TRANSCYKO

TRANSMISSION MACHINERY CO., LTD
TRANSTEC HEAVY INDUSTRIES TECHNOLOGY CO., LTD

SIMPLE

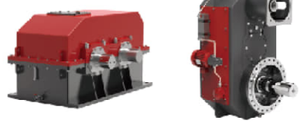




- CYCLO DERIVATIVES



- GEARBOX



- TWIN SCREW HEARBOX



- LOW BACKLASH CYCLOIDAL REDUCER



- PLANETARY SPEED REDUCER



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TRANSCYKO CYCLOIDAL SPEED REDUCERS

TRANSCYKO

CYCLOIDAL SPEED REDUCERS



NO.TRANSCYKO-2025-01-CYCLOIDAL

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TRANSTEC HEAVY INDUSTRIES TECHNOLOGY CO., LTD

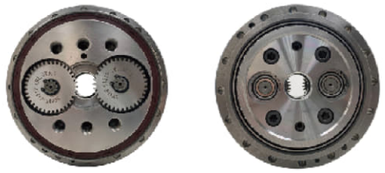
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TRANSCYKO PRODUCT LINE

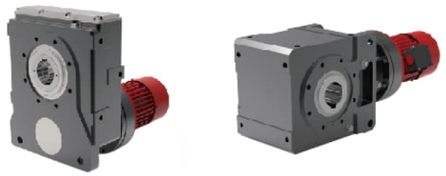
1. CYCLOIDAL SPEED REDUCERS 800 SERIES



2. ROBOTIC TLB SERIES



3. CYCLOIDAL HELICAL/BEVEL GEAR MOTOR TBX SERIES



4. CENTRIFUGE DRIVE -TZS SERIES

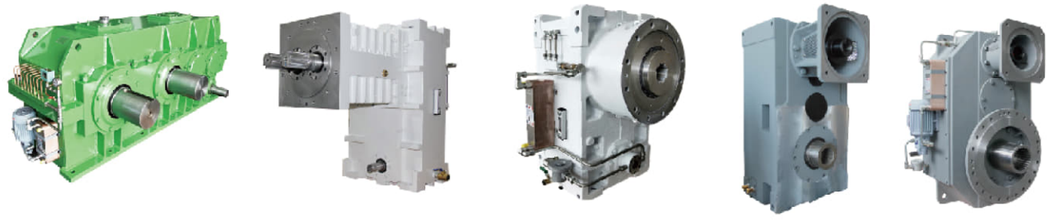


5. PLANETARY -TP SERIES

6. PLANETARY –TP C SERIES FOR CONCRETE MIXER



7. GEABOXES –TSG TIN TKED TCT TM SERIES



8. PARALLEL SHAFT HELICAL/BEVEL GEARMOTORS –TF TS TK TR SERIES



TRANSCYKO CYCLOIDAL SPEED REDUCER PRODUCT SERIES









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SELECTION AND DIMENSIONS OF TRANSCYKO SPEED REDUCERS

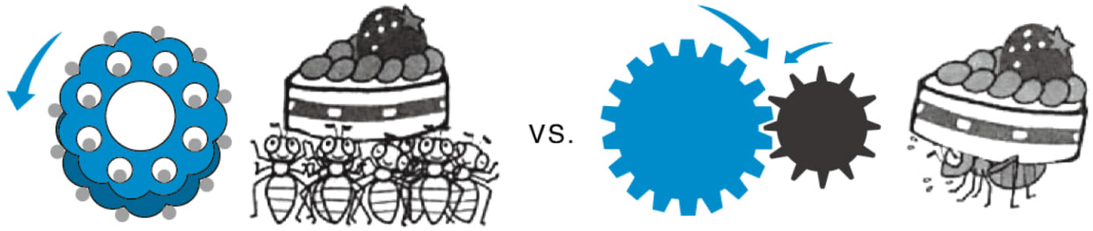
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ADVANTAGES AND FEATURES

TRANSCYKO 800 Series Speed Reducers are industry proven and highly efficient compared to conventional helical gear and spur gear units. Due to their compact size relative to their high ratios, TRANSCYKO Cycloidal Speed Reducers can be utilized in a wide variety of industrial applications.



ADVANTAGES:

■ HIGH EFFICIENCY

TRANSCYKO 800 Series Speed Reducers are highly efficient, more than 96% in single stage reduction and more than 92% in double stage reduction.
Annotation: Single stage reduction ratio within 87 and Double stage reduction ratio within 7569.

■ OVERLOAD PROTECTION

TRANSCYKO's cycloidal tooth design is capable of reaching up to 67% tooth contact. The load sharing capacity provides an overload protection of 500%.

■ ONE YEAR WARRANTY

TRANSCYKO's Cycloidal Speed Reducers are proven to be reliable and durable under proper selection and maintenance. We provide 1 year warranty on all cycloidal speed reducer products under normal operation.

FEATURES

A Customized Model For Every Need

TRANSCYKO can manufacture a wide variety of speed reducers in different sizes, ratios, input horsepower (HP), mountings and configurations.

Reduction ratio ranges from 1:6 to 1:87 in single stage; up to 1:7569 in double stage. Input horsepower ranges from ¼ HP to over 200 HP. Output torque ratings of up to 6600kg.m (572800ibf.in).

Diversified installation methods we offer horizontal and vertical mounts with various IEC/NEMA input adapters for ease installation.

TRANSCYKO housings are made from ductile iron for durability. We use bearing steel to manufacture the internal components which are hardened and tempered (HRC 59~62). All of these elements allow TRANSCYKO to build highly efficient cycloidal speed reducers.

The above structure provides a small, beautiful and high-efficiency reducer. Although it is lighter in appearance the torque and force is bigger.

TRANSCYKO Characteristics:

■ QUIET AND SMOOTH RUNNING

TRANSCYKO's cycloidal design offers from conventional gear tooth design by utilizing hardened and polished surfaces which allow for a quiet an smooth running reducer with minimized vibration levels.

■ IDEAL FOR STOP/START AND REVERSE OPERATION

TRANSCYKO's cycloidal design allows for relatively low rotational inertia which is ideal for applications that call for stop/start and reverse operation.

■ ECONOMICAL

TRANSCYKO can reducer out of pocket costs significantly by offering higher durability and reliability with low maintenance, unlike our competitors.

■ QUALITY

TRANSCYKO is committed to produce high quality cycloidal speed reducers. We have extensive production machinery, highly experienced engineers and strict quality control and short lead time operations.

Annotations: Frame 807 ~ 819 are cast iron, however, ductile iron is available upon request.
Frame 820 ~ 827 are ductile iron.

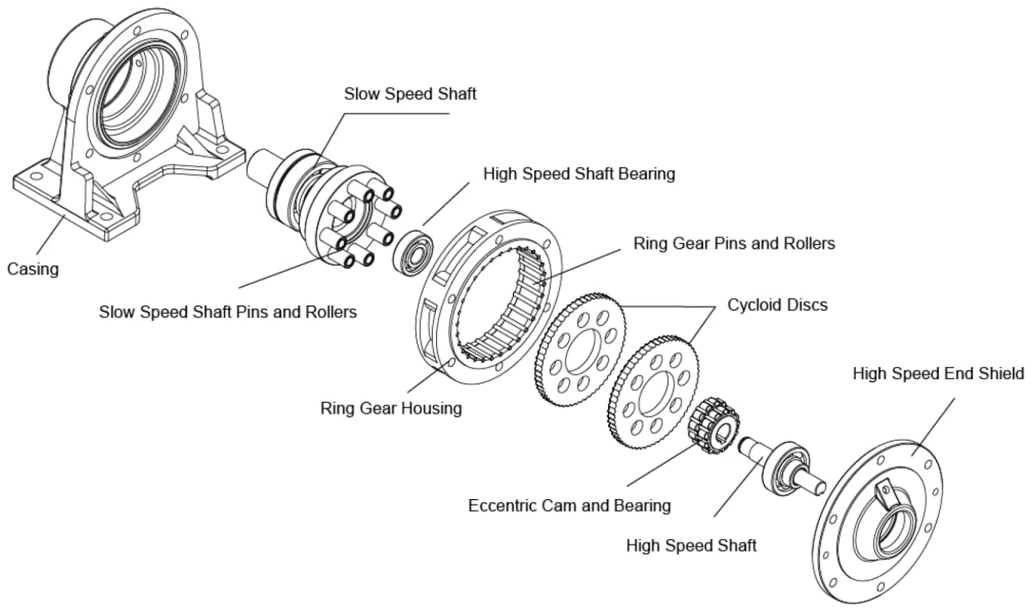
PRINCIPLE OF OPERATION

The cycloidal design basically has three major components:

(1) Input Shaft Assembly (High Speed) with Eccentric Cam, Roller Bearing and Seals.

(2) Cycloid Discs.

(3) Output Shaft Assembly (Slow Speed) with support Bearings and Seals.



Torque transmitted to the high speed shaft rotates the eccentric cam and roller bearing assembly, and rolls the cycloid discs around the internal circumference of the stationary ring gear housing.

The teeth of the cycloid discs contact the pins of the stationary ring gear, producing a reverse rotation at a reduced speed. Each rotation of the high speed shaft advances the cycloid discs a distance of one tooth pitch in the opposite direction.

The torque of the cycloid discs is transmitted to the output shaft assembly that are projected through holes (8-12) located around the bore of the cycloid discs.

DESIGN CRITERIA

TRANSCYKO Cycloidal Speed Reducers are designed and manufactured to be utilized under uniform loading for ten (10) consecutive hours daily, which is equivalent to AGMA service factor of 1.0. Proper drive selection is required depending on hours of daily operation and loading conditions which are determined by Service Factor (S.F.).

Recommended TRANSCYKO Load Factors (S.F.)

HOURS OF DAILY OPERATION \ LOAD CONDITIONS	U Uniform Loading	M Moderate Shock Loading	H Heavy Shock Loading
Continuous Running ~ 3 Hours	0.80	1.00	1.35
Continuous Running ~ 10 Hours	1.00	1.20	1.50
Continuous Running ~ 24 Hours	1.20	1.35	1.60

Machine Load Classifications: H: Heavy Load M: Moderate Load U: Uniform Load

Agitators
U Pure Liquid
M Liq uids + Solids
M Variable -viscosity Liquids

Brewing and Distilling Equipt
U Capping Machine
U Can Machine
M Weighing Machine
M Pulling Machine
U Cooker

Pottery Machines
M Mixer
H Brick Press
M Grinding Machine

Conveyors (Average)
U Segmented
M Accumulator -Type
U Belt
U Bucket
U Oven -type
U Screw -type

Conveyors (Heavy Duty)
M Segmented
M Belt
M Suspension Bucket
M Screw –Type
M Hopper –Type
M Reciprocating
H Rocket -Type

Winches
M Suspension -Bucket
M Horizontal
M Vertical
H Main Hoist (Heavy Duty)
M Main Hoist (Medium Duty)

Crushers
H Diamond
H Stone
M Raw Sugar

Dredges
M Cable Drum
M Conveyor
H Cutting Head
H Mold -board Drive
M Winch
M Pump
M Stacker
H Seine Drive

Elevator
U Suspension hopper (avg. load)
M Suspension hopper (heavy duty)
M Suspension hopper (continuous)
U Escalator
M Cargo
M Utility

Feed Supply Systems
U Round Segment types
H Reciprocating
M Screw type

Food Processing
M Raw Sugar & Turnip Cutters
U Ovens
M Meat Slicers
M Noddle Mixer

Axles
M Drive Train
U Lightly Loaded
U Other Axles

Timber Equipment
H Reservoir Pumps
H Chain & Drogue Saws
H Chain Transmission
H Brake Drum
H Gear Boxes
H Segmented conveyors
U Sawdust Conveyor (Belt)
M Sawdust Conveyor (Chain)
M Sorting Conveyor
M Utility Conveyor

Sheet metal Equipment
M Forming Rolls
H Punch Press (drive gear)
H Flat Planer
H Drill
M Other Main Drives
U Auxiliary Drives

Machine Shop Equipment
M Table Feeds
H Shapers
Non -reversible conveyors
M Collective Drives
H Individual Drives
H Screw Machines

Solid -Material Mixers
M Cement Drums
M Dryers, Coolers
M Kilns
M Gravel
M Barrel Packers
H Pellet -abrasion Machines

Liquid Mixers
M Concrete (continuous duty)
M Concrete (intermittent)
U Fixed Viscosity
M Variable Viscosity

Petroleum Equipment
M Sack Coolers
Well -head Pumps
M Pressurized lubricant drives
M Reversing Kiln

Sugar Industry
H Mills
M Crushers
M Cane Knives

Rubber Processing Equip
M Rubber Strainer
M Roll
M Thin plate
M Mixer

Paper -making Equipment
M Agitator
M Paper -maker
M De-barker
M Beater
M Impact -type beater
U Bleacher
M Pressurized strainer
H Large Strainer
U Conveyor
M Dryer
M Felt Extender
H Felt Press
M Finishing Press

Textile (fiber)Equipment
M Carding machine
M Strainer
M Dryer
M Dyer
M Washing Machine
M Spinning Machine
M Lapping Machine

Water Treatment Equip
U Sludge recovery machine
M Sludge compactor
M Low & High Speed Mixers
U Chemical -supply devices

Steel Industry
H Forming Machine
C Reversing pinch, dryer & scrubber roll
M Slitters
M Draw bench carriage & main drive
C Reversing table conveyor
M Group drive of non-reversing table conveyor
H Individua drive of non-reversing table conveyor
M Wire winding, wire drawing & flattening machines

■ HIGH FREQUENCY START AND STOP SITUATIONS

If the Cycloidal Reducer is used in situations with frequent starts and stops, the following table can b e used to evaluate its usage factor.

Working Time / Duration Start Frequency	3 Hours / Day			8 Hours / Day			24 Hours / Day		
	U Uniform Loading	M Moderate Loading	H Heavy Loading	U Uniform Loading	M Moderate Loading	H Heavy Loading	U Uniform Loading	M Moderate Loading	H Heavy Loading
<10 Times/Hour	0.80	1.00	1.20	1.00	1.10	1.35	1.20	1.25	1.50
<200 Times/Hour	0.85	1.10	1.20	1.10	1.30	1.50	1.25	1.50	1.65
<500 Times/Hour	0.90	1.20	1.40	1.15	1.45	1.60	1.30	1.60	1.75

The load is determined by the moment of inertia ratio (GD² ratio)

MOMENT OF INERTIA RATIO (GD² ratio) = $\frac{\text{Equivalent moment of inertia of the equipment input axis}}{\text{Motor moment of inertia}}$

U (Uniform Load): GD² ratio ≤ 0.3

M (Medium Load): GD² ratio ≤ 3

H (Load Load): GD² ratio ≤ 0.3

Note: 1. The calculation of start and stop frequency the start and start braking, clutch and other devices during operation.

2. When reducer is used when the motor is started, the equipment has extra torque radial direction.

Please contact Transcyko for details.

LUBRICATION AND MAINTENANCE

Mounting

Horizontal and vertical oil lubricated drives should be mounted on a level or plumb to ensure proper lubrication. Select the proper grease and oil lubrication system according to the size ratio of TRANSCYKO Cycloidal Speed Reducer. Please refer to the tables shown below.

Standard Lubrication Type

Horizontal

Grease (Maintenance Free) | Grease (Replenish) | Oil Bath | Forced Oil Lubrication (P)

a) Single Stage Reduction (background color indicates the ratio)

Horizontal (excludes when the speed reducer is mounted on the inclined surface).

Frame Size \ Ratio	6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	Volume of Oil Filling (Liters) Approx.
807	Grease (Maintenance Free)																
808																	
809																	
810																	
812																	
813	Oil bath																0.7
814																	0.7
816																	1.4
817																	1.9
818																	2.5
819																	4.0
820																	5.5
821																	8.5
822																	10
823																	15
824																	16
825																	21
826																	29
827																	56

b) Double Stage Reduction (background color indicates the ratio)

Frame Size \ Ratio	104 (13x8)	121 (11x11)	143 (13x11)	165 (15x11)	195 (15x13)	231 (21x11)	273 (21x13)	319 (29x11)	377 (29x13)	473 (43x11)	559 (43x13)	649 (58x11)	731 (43x17)	841 (29x29)	1003 (59x17)	1015 (35x29)	1247 (43x29)	1479 (87x17)	1849 (43x43)	2065 (58x35)	2537 (58x43)	3045 (87x35)	3481 (58x59)	4437 (87x51)	5133 (87x59)	6177 (87x71)	7569 (87x87)	Volume of Oil Filling (Liters) Approx.
809/08																												
810/08																												
812/08	Grease (Maintenance Free)																											
812/09																												
813/08																												
813/09																												
813/10																												
814/09																												
814/10																												
816/09	Grease (Replenish Type)																											
816/10																												
817/10																												
818/10																												
817/10																												
818/10																												
816/12	Oil bath																											1.5
817/12																												2.4
818/13																												3.5
819/12																												6
819/13																												6
820/12																												6
820/13																												6
821/13																												10
821/16																												10
822/13																												11
822/17																												11
823/16																												17
823/18																												17
824/16																												18
824/18																												18
825/17																												23
825/19																												23
826/19																												32
827/19																												60

Vertical

Please contact Trancyko is the Output Shaft is UP

a) Single Stage Reduction (background color indicates the ratio)

Frame Size \ Ratio	6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	Volume of Oil Filling (Liters) Approx.
807	Grease (Maintenance Free)																
808																	
809																	
810																	
812																	
813	Oil bath																1.1
814																	1.1
816																	1
817	Forced Oil Lubrication																1.9
818																	2
819																	2.7
820																	5.7
821																	7.5
822																	10
823																	12
824																	15
825																	42
826																	51
827									TP		TP		TP		TP		(60)

b) Double Stage Reduction (background color indicates the ratio)

Frame Size \ Ratio	104 (13x8)	121 (11x11)	143 (13x11)	165 (15x11)	195 (15x13)	231 (21x11)	273 (21x13)	319 (29x11)	377 (29x13)	473 (43x11)	559 (43x13)	649 (58x11)	731 (43x17)	841 (29x29)	1003 (59x17)	1247 (43x29)	1479 (87x17)	1849 (43x43)	2065 (58x35)	2537 (58x43)	3045 (87x35)	3481 (58x59)	4437 (87x51)	5133 (87x59)	6177 (87x71)	7569 (87x87)	Volume of Oil Filling (Liters) Approx.
809/08																											
810/08																											
812/08	Grease (Maintenance Free)																										
812/09																											
813/08																											
813/09																											
813/10																											
814/09																											
814/10																											
816/09	Grease (Replenish Type)																										
816/10																											
817/10																											
818/10																											
817/10																											
818/10																											
816/12	Oil bath																										1
817/12																											1.9
818/13																											2
819/12																											2.7
819/13																											2.7
820/12																											11
820/13																											11
821/13																											14
821/16																											14
822/13																											18
822/17																											18
823/16																											23
823/18																											23
824/16																											29
824/18																											29
825/17																											42
825/19																											54
826/19																											(60)
827/19																											

TP: Use Pump lubrication for vertical if output shaft is facing downward. No pump can be added when the output shaft is facing upward (output shaft bearing is capped to facilitate lubrication).

Grease Lubricated Speed Reducers

Grease Lubricated Speed Reducers are factory sealed and ready for operation. Maintenance-Free Grease lubricated Speed Reducers are designed to utilize designated long-life grease for worry-free operation. TRANSCYKO suggests replacement of grease lubrication every 4-5 years or every 20,000 hours of operation whichever comes first.

Please replenish or replace grease lubrication for all other maintenance-free type according to the service manual.

Recommended Grease Lubricants for TRANSCYKO Speed Reducers

Ambient Temperature ℃(F)	Maintenance -Free Grease	Replenish Grease	Electronic Motor
-15 ~ 50 (5 ~ 122)	Shell AlvaniaGrease RA or equivalent	Shell AlvaniaGrease No. 2 Cosmo Grease Dynamax SH No. 2 or equivalent	Shell AlvaniaGrease No. 2 or equivalent

Oil Lubricated Speed Reducers

Oil Lubricated Speed Reducers are factory sealed and pre-lubricated with oil. Please confirm oil level which should be located in between the red lines of oil gauge before operation. Mild EP oil is recommended to lubricate TRANSCYKO Speed Reducers.

Recommended Oil Brand and Specifications(or equivalent)

Ambient Temperature ℃(F)	Shell Oil	Mobil Oil	BP Oil	ESSO Oil	Gulf Oil	Caltex Oil	SAE Grade	AGMA Grade
-10 ~ 5 (14 ~ 41)	Omala Oil 86	Mobilgear626 (ISO VG 68)	Energol GR-XP 46 GR-XP 68	Spartan EP 68	EP Lubricant HD 68	MEROPA 68	80W	2 EP
0 ~ 35 (32 ~ 95)	Omala Oil 100, 150	Mobilgear 627, 629, (ISO VG 100-150)	Energol GR-XP 100 GR-XP 150	Spartan EP 100 EP 150	EP Lubricant HD 100 HD 150	MEROPA 100, 150	80W 90	3 EP 4 EP
30 ~ 50 (86 ~ 122)	Omala Oil 220, 320, 460	Mobilgear 630, 632,633,634 (ISO VG 200-460)	Energol GR-XP 220 GR-XP 320 GR-XP 460	Spartan EP 220 EP 320 EP 460	EP Lubricant HD 220 HD 320 HD 460	MEROPA 220, 320, 460	90 140	5 EP 7 EP

* use lower viscosity oil for winter or relatively low ambient temperature.

There are two types of Forced –Oil Lubrication for vertical units:

1. Plunger Pump Lubrication (P) is driven by a cam fitted on the slow speed shaft automatically.
2. Trochoid Pump Lubrication (TP): The Oil circulation is conducted by an independent operation of pump and motor. This table shows the application of Trochoid Pump Lubrication.

TRANSCYKO Speed Reducers		Trochoid Pump	
Frame Size		Pump Type	Pump Motor
Single Stage	827	TOP-216HA	0.75kw (1 HP), 4P
Double Stage	827/19	TOP-204HA	0.4kw (1/2 HP), 4P

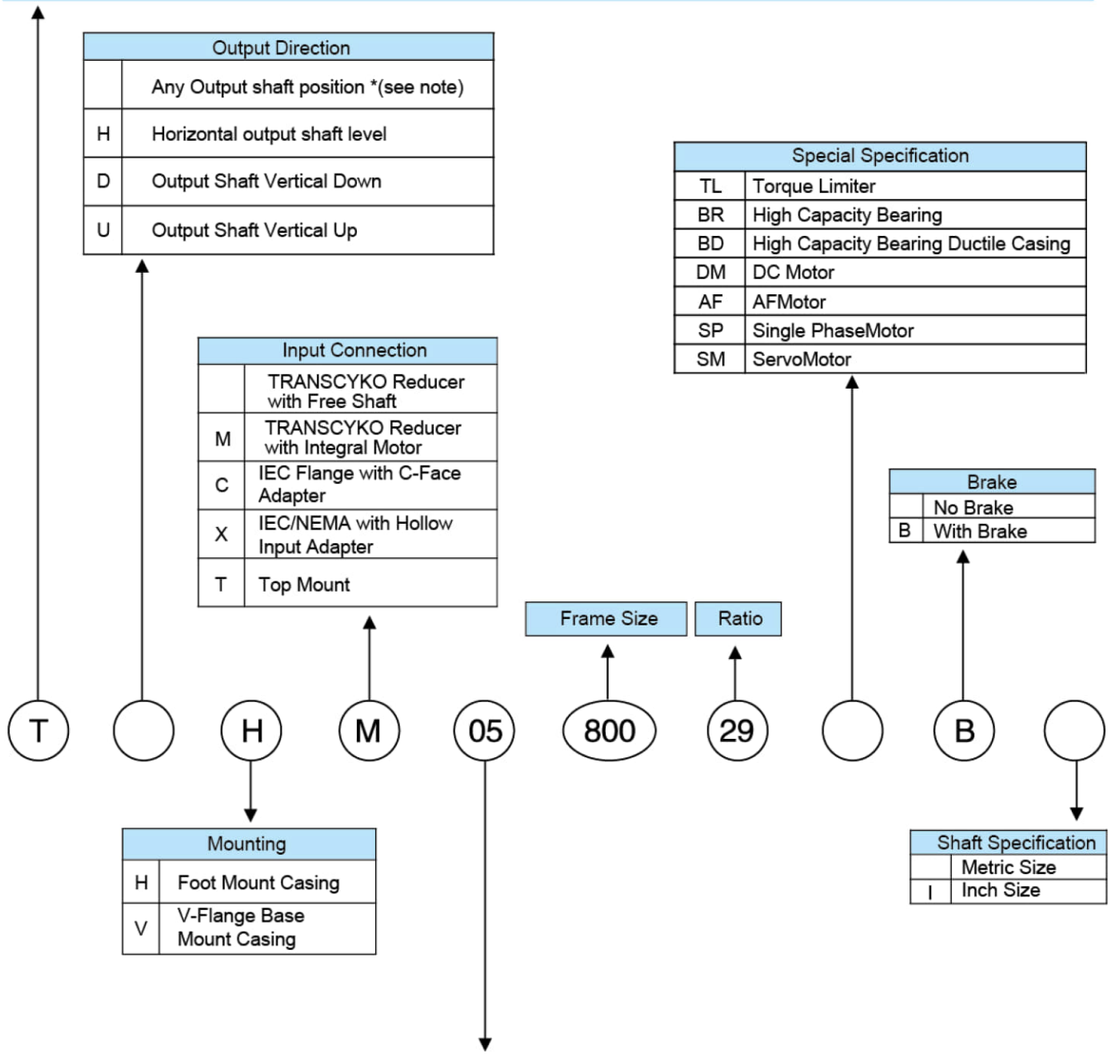
Oil Change Interval:

Under all circumstances, each TRANSCYKO unit requires a first oil change post 500 hours of initial operation as a break-in period. Subsequent oil change interval will be based on operation conditions.

Every 6 months	less than 10 hours / day operation
Every 2500 hours	10 ~ 24 hours / day operation
Every 1~3 months	heavy operation condition such as high ambient temperature & high humidities.

For specific details of lubrication and maintenance, please refer to the Operating and Maintenance Manual.

TRANCYKO SPEED REDUCER MODEL DESIGNATION NO: 800 SERIES



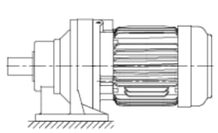
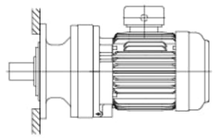
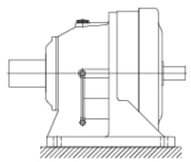
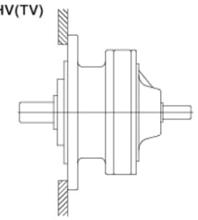
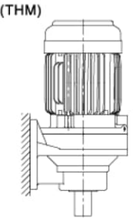
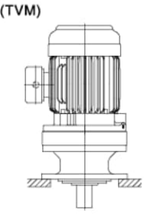
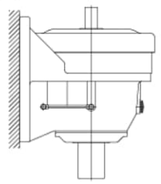
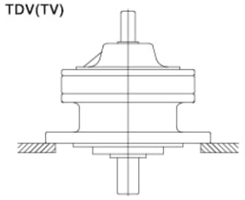
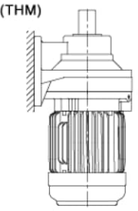
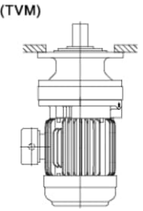
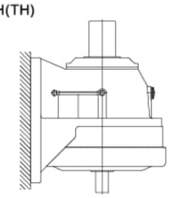
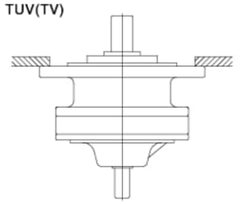
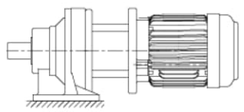
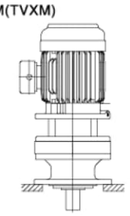
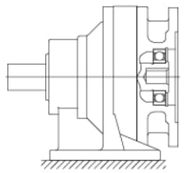
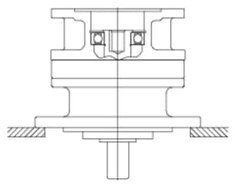
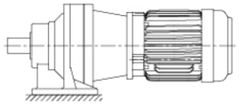
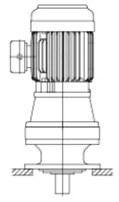
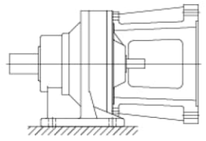
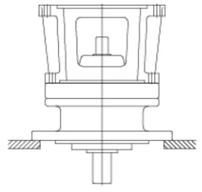
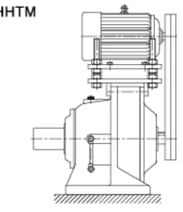
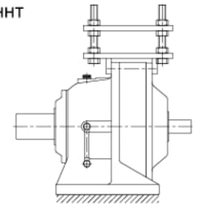
Input Power-Motor Capacity Symbol																		
4 Pole	Symbol	02	05	1	2	3	5	8	10	15	20	25	30	40	50	60	75	100
	KW	0.2	0.4	0.75	1.5	2.2	3.7	5.5	7.5	11	15	18.5	22	30	37	45	55	75
	HP	1/4	1/2	1	2	3	5	7.5	10	15	20	25	30	40	50	60	75	100

6 Pole	Symbol	20/6	25/6	30/6	40/6	50/6	60/6	75/6	100/6	125/6	150/6	175/6
	KW	15	18.5	22	30	37	45	55	75	90	110	132
	HP	20	25	30	40	50	60	75	100	125	150	175

*Note:

1. Only grease lubricated maintenance-free TRANSCYKO Speed Reducers can be mounted in any position.
2. The torque limiter can be selected according to customer applications requirements.
There are two types to choose from: 1. Mechanical Type 2. Electronic Torque Limiter. For details please refer to page 17 of the catalog.

MOUNTING POSITIONS

TRANSCYKO Gearmotors		TRANSCYKO Speed Reducers	
THHM(THM) 	THVM(TVM) 	THH(TH) 	THV(TV) 
TDHM(THM) 	TDVM(TVM) 	TDH(TH) 	TDV(TV) 
TUHM(THM) 	TUVM(TVM) 	TUH(TH) 	TUV(TV) 
THHXM(THXM) 	TDVXM(TVXM) 	THHX(THX) 	TDVX(TVX) 
THHCM(THCM) 	TDVCM(TVCM) 	THHC(THC) 	TDVC(TVC) 
THHTM 		THHT 	

LIST OF STANDARD FRAME SIZES

SINGLE STAGE	DOUBLE STAGE	OUTPUT FRAME SIZE	INPUT FRAME SIZE
807	807/07	807	807
808	808/07	808	807
809	809/08	809	808
810	810/08	810	808
812	812/08	812	808
812H	812/09	812	809
813	813/08	813	808
814	813/09	813	809
814H	813/10	813	810
816	814/08	814	808
817	814/09	814	809
818	814/10	814	810
819	816/09	816	809
820	816/10	816	810
821	816/12	816	812
822	817/09	817	809
823	817/10	817	810
824	817/12	817	812
825	818/10	818	810
826	818/13	818	813
827	819/12	819	812
	819/13	819	813
	820/12	820	812
	820/13	820	813
	821/13	821	813
	821/16	821	816
	822/13	822	813
	822/17	822	817
	823/16	823	816
	823/18	823	818
	824/16	824	816
	824/18	824	818
	825/17	825	817
	825/19	825	819
	826/19	826	819
	827/19	827	819

COMBINATION OF RATIOS

1.Standard single stage reduction ratios with 4 pole motor [1500 R.P.M. -50Hz / 1800 R.P.M. -60Hz]

Ratio		6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119
Output Speed (R.P.M.)	50Hz	250	188	136	115	100	88	71	60	52	43	35	29	25	21	17	13
	60Hz	300	225	164	138	120	106	86	72	62	51	42	35	31	25	21	15

2.Standard single stage reduction ratios with 6 pole motor [1000 R.P.M. -50Hz / 1200 R.P.M. -60Hz]

Ratio		11	15	21	29	43	59	87
Output Speed (R.P.M.)	50Hz	91	67	48	34	23	17	11
	60Hz	109	80	57	41	28	20	14

3.Standard double stage reduction ratios with 4 pole motor [1500 R.P.M. -50Hz / 1800 R.P.M. -60Hz]

Ratio		104 (13x8)	121 (11x11)	143 (13x11)	165 15x11	195 (15x13)	231 (21x11)	273 (21x13)	319 (29x11)	377 (29x13)	473 (43x11)	559 (43x13)	649 (59x11)	731 (43x17)	841 (29x29)	1003 (59x17)	1015 (35x29)
Output Speed (R.P.M.)	50Hz	14	12	10	9.1	7.7	6.5	5.5	4.7	4.0	3.2	2.7	2.3	2.1	1.8	1.5	1.5
	60Hz	17	15	13	11	9.2	7.8	6.6	5.6	4.8	3.8	3.2	2.8	2.5	2.1	1.8	1.8

Ratio		1247 (43x29)	1479 (87x17)	1849 (43x43)	2065 (59x35)	2537 (59x43)	3045 (87x35)	3481 (59x59)	4437 (87x51)	5133 (87x59)	6177 (87x71)	7569 (87x87)
Output Speed (R.P.M.)	50Hz	1.2	1.0	0.81	0.73	0.59	0.49	0.43	0.34	0.29	0.24	0.20
	60Hz	1.4	1.2	0.97	0.87	0.71	0.59	0.52	0.41	0.35	0.29	0.24

4. Other available double stage reduction ratios with 4 pole motor [1500 R.P.M. -50Hz / 1800 R.P.M. -60Hz]

Ratio		88 (11x8)	90 (15x6)	102 (17x6)	120 (15x8)	126 (21x6)	136 (17x8)	150 (25x6)	168 (21x8)	169 (13x13)	174 (29x6)	187 (17x11)	200 (25x8)	210 (35x6)	221 (17x13)	225 (15x15)
Output Speed (R.P.M.)	50Hz	17	17	15	12	12	11	10	8.9	8.9	8.6	8.0	7.5	7.1	6.8	6.7
	60Hz	20	20	18	15	14	13	12	11	11	10	9.6	9.0	8.6	8.1	8.0

Ratio		232 (29x8)	255 (17x15)	258 (43x6)	275 (25x11)	280 (35x8)	289 (17x17)	306 (51x6)	315 (21x15)	325 (25x13)	344 (43x8)	354 (59x6)	357 (21x17)	375 (25x15)	385 (35x11)	408 (51x87)
Output Speed (R.P.M.)	50Hz	6.5	5.6	5.8	5.4	5.2	4.9	4.8	4.6	4.4	4.2	4.2	4.2	4.0	3.9	3.7
	60Hz	7.8	7.0	7.0	6.5	6.4	6.2	5.9	5.7	5.5	5.2	5.1	5.0	4.8	4.7	4.4

Ratio		425 (25x17)	426 (71x6)	435 (29x15)	441 (21x21)	455 (35x13)	472 (59x8)	493 (29x17)	522 (87x6)	525 (35x15)	561 (51x11)	568 (71x8)	595 (35x17)	609 (29x21)	625 (25x25)	645 (43x15)
Output Speed (R.P.M.)	50Hz	3.5	3.5	3.4	3.4	3.3	3.2	3.0	2.9	2.9	2.7	2.6	2.5	2.5	2.4	2.3
	60Hz	4.2	4.2	4.1	4.1	4.0	3.8	3.7	3.4	3.4	3.2	3.2	3.0	3.0	2.9	2.8

Ratio		663 (51x13)	696 (87x8)	725 (29x25)	735 (35x21)	765 (51x15)	767 (59x13)	781 (71x11)	867 (51x17)	875 (35x25)	885 (59x15)	903 (43x21)	923 (71x13)	957 (87x11)	1065 (71x15)
Output Speed (R.P.M.)	50Hz	2.3	2.2	2.1	2.0	2.0	2.0	1.9	1.7	1.7	1.7	1.7	1.6	1.5	1.4
	60Hz	2.7	2.6	2.5	2.4	2.4	2.3	2.3	2.1	2.1	2.0	2.0	2.0	1.8	1.7

Ratio		1071 (51x21)	1075 (43x25)	1131 (87x13)	1207 (71x17)	1225 (35x35)	1239 (59x21)	1275 (51x25)	1305 (87x15)	1475 (59x25)	1491 (71x21)	1505 (43x35)	1711 (59x29)	1775 (71x25)	1785 (51x35)	1827 (87x21)
Output Speed (R.P.M.)	50Hz	1.4	1.4	1.3	1.2	1.2	1.2	1.2	1.1	1.0	1.0	1.0	0.88	0.85	0.84	0.82
	60Hz	1.7	1.7	1.6	1.5	1.5	1.5	1.4	1.4	1.2	1.2	1.2	1.1	1.0	1.0	0.99

Ratio		2059 (71x29)	2175 (87x25)	2193 (51x43)	2485 (71x35)	2523 (87x29)	2601 (51x51)	3009 (59x51)	3035 (71x43)	3621 (71x51)	3741 (87x43)	4189 (71x59)	5041 (71x71)
Output Speed (R.P.M.)	50Hz	0.73	0.69	0.68	0.60	0.59	0.58	0.50	0.49	0.41	0.40	0.36	0.30
	60Hz	0.87	0.83	0.82	0.72	0.71	0.69	0.60	0.59	0.50	0.48	0.43	0.36

5.Available triple stage reduction ratios [1500 R.P.M. -50Hz / 1800 R.P.M. -60Hz]

Ratio		990 (15x11x6)	1122 (17x11x6)	1331 (11x11x11)	1386 (21x11x6)	1734 (17x17x6)	1815 (15x11x11)	1914 (29x11x6)	2057 (17x11x11)	2142 (21x17x6)	2310 (35x11x6)
Output Speed (R.P.M.)	50Hz	1.5	1.3	1.1	1.1	0.86	0.83	0.78	0.73	0.70	0.65
	60Hz	1.8	1.6	1.4	1.3	1.0	0.99	0.94	0.87	0.84	0.78

Ratio		2541 (21x11x11)	2838 (43x11x6)	2958 (29x17x6)	3179 (29x17x11)	3509 (29x11x11)	3570 (35x17x6)	3894 (59x11x6)	3927 (21x17x11)	4235 (35x11x11)	4386 (43x17x6)
Output Speed (R.P.M.)	50Hz	0.59	0.53	0.51	0.47	0.43	0.42	0.38	0.38	0.35	0.34
	60Hz	0.71	0.63	0.61	0.57	0.51	0.50	0.46	0.46	0.42	0.41

Ratio		4913 (17x17x17)	5046 (29x26x6)	5203 (43x11x11)	5423 (29x17x11)	5742 (87x11x6)	6018 (59x17x6)	6069 (29x17x17)	6090 (35x29x6)	6545 (35x17x11)	7139 (59x11x11)
Output Speed (R.P.M.)	50Hz	0.30	0.30	0.29	0.28	0.26	0.25	0.25	0.25	0.23	0.21
	60Hz	0.37	0.36	0.34	0.33	0.31	0.30	0.30	0.30	0.28	0.25

Ratio		7350 (35x35x6)	7482 (43x29x6)	8041 (43x17x11)	8381 (29x17x17)	8874 (87x17x6)	9030 (43x35x6)	9251 (29x29x11)	10115 (35x17x17)	10266 (59x29x6)	10527 (87x11x11)
Output Speed (R.P.M.)	50Hz	0.20	0.20	0.19	0.18	0.17	0.17	0.16	0.15	0.15	0.14
	60Hz	0.24	0.24	0.22	0.21	0.20	0.20	0.19	0.18	0.18	0.17

Ratio		11033 (59x17x11)	11094 (43x43x6)	11165 (35x29x11)	12390 (59x35x6)	12427 (43x17x17)	13475 (35x35x11)	13717 (43x29x11)	14297 (29x29x17)	15138 (87x29x6)	15222 (59x43x6)
Output Speed (R.P.M.)	50Hz	0.14	0.14	0.13	0.12	0.12	0.11	0.11	0.10	0.10	0.10
	60Hz	0.16	0.16	0.16	0.14	0.14	0.13	0.13	0.12	0.12	0.12

Ratio		16269 (87x17x11)	16555 (43x35x11)	17051 (59x17x17)	17255 (35x29x17)	18270 (87x35x6)	18821 (59x29x11)	20339 (43x43x11)	20825 (35x35x17)	21199 (43x29x17)	22446 (87x43x6)
Output Speed (R.P.M.)	50Hz	0.09	0.09	0.09	0.09	0.08	0.08	0.07	0.07	0.07	0.07
	60Hz	0.11	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.08	0.08

Ratio		22715 (59x35x11)	24389 (29x29x29)	25143 (87x17x17)	25585 (43x35x17)	27753 (87x29x11)	27907 (59x43x11)	29087 (59x29x17)	29435 (35x29x29)	31433 (43x43x17)	33495 (87x35x11)
Output Speed (R.P.M.)	50Hz	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.04
	60Hz	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.05

Ratio		35105 (59x35x17)	35525 (35x35x29)	36163 (43x29x29)	38291 (59x59x11)	41151 (87x43x11)	42875 (35x35x35)	42891 (87x29x17)	43129 (59x43x17)	43645 (43x35x29)	49619 (59x29x29)
Output Speed (R.P.M.)	50Hz	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03
	60Hz	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04

Ratio		51765 (87x35x17)	52675 (43x35x35)	53621 (43x43x29)	56463 (87x59x11)	59177 (59x59x17)	59885 (59x35x29)	63597 (87x43x17)	64715 (43x43x35)	72275 (59x35x35)	73167 (87x29x29)
Output Speed (R.P.M.)	50Hz	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
	60Hz	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02

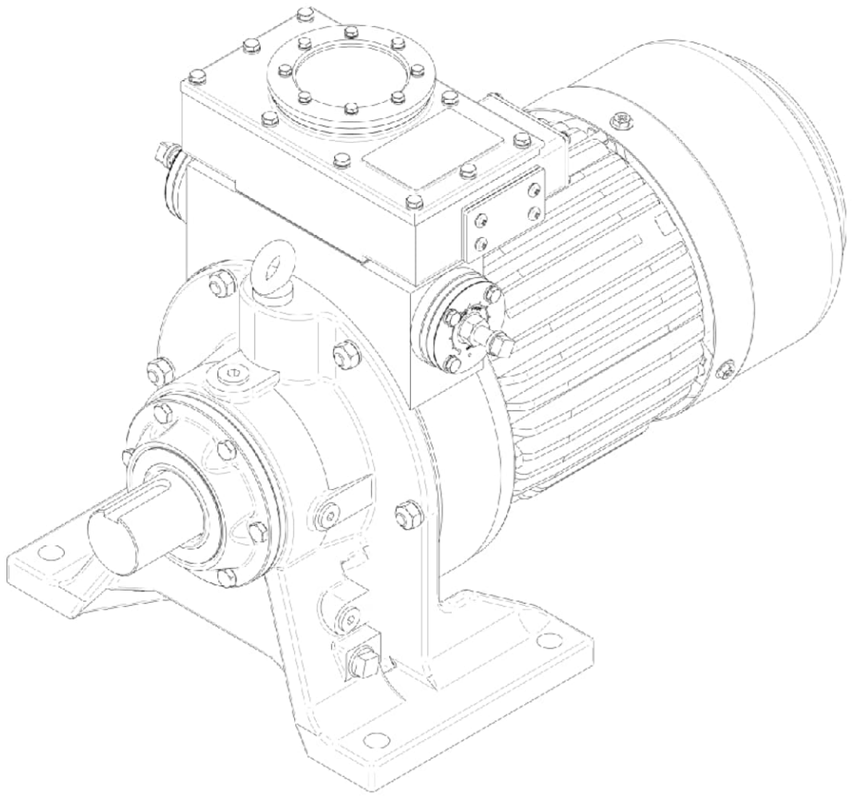
Ratio		73573 (59x43x29)	79507 (43x43x43)	83259 (87x87x11)	87261 (87x59x17)	88305 (87x35x29)	88795 (59x43x35)	100949 (59x59x29)	106575 (87x35x35)	108489 (87x43x29)	109091 (59x43x43)
Output Speed (R.P.M.)	50Hz	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
	60Hz	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Ratio		121835 (59x59x35)	128673 (87x87x17)	130935 (87x43x35)	148857 (87x59x29)	155295 (87x51x35)	160863 (87x43x43)	179655 (87x59x35)	205379 (59x59x59)	219501 (87x87x29)	220719 (87x59x43)
Output Speed (R.P.M.)	50Hz	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	60Hz	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Ratio		264915 (87x87x35)	302847 (87x59x59)	325467 (87x87x43)	446571 (87x87x59)	658503 (87x87x87)
Output Speed (R.P.M.)	50Hz	0.006	0.005	0.005	0.003	0.002
	60Hz	0.01	0.006	0.006	0.004	0.003

TORQUE LIMITER INDICATION

T□□-8□□-□□-TL



■ Type A: Load Factor of (%) of the preset torque is indicated on the scale plate within 60 to 100% of the preset torque.

■ Type B: Load Factor of (%) indicated on the scale plate ranges from 0 to 100% which enables the users to detect torque from no load to loaded conditions.

■ Electronic analog signals responding to the load torque was generated by the cycloidal disc, transmitted through the frame, dog bar, steel ball, and rod. This mechanism transmits the torque directly to the load cell and thereby 0~100% of the load be precisely obtained.

How To Select A Suitable TRANSCYKO Gearmotor

Example 1	Steps	Example 2
■ Application: Mixer – solid liquid mixing → Load characteristics: M ■ T_L = 153Kgf.m ■ Running time: 24 hours/day → Load factor = 1.35	① Selection of characteristics ② Select using coefficients	■ Application: Conveyor belt-spiral → Load characteristics: M ■ T_L = 245Kgf.m ■ Running time: 10 hours/day → Load factor = 1.20
■ Output Speed: n=30 r.p.m. ■ Motor Type: 4P/50Hz $P_1 \geq \frac{153 \times 30}{975} = \frac{T_1 \times n_2}{975} = 4.7kW$ Take P=5.5kW ■ $i = \frac{n_1}{n_2} = \frac{1500}{30}$ 51 ■ T_L = 153<T2=174(P.26) ■ Load Factor 1.35<1.75 ■ Model: 8-817-51	③ Calculate the motor power ④Calculate ratio ⑤ Confirm the torque ⑥ Confirm the load factor ⑦ Model confirmation	■ Application: ■ Motor Type: 4P60Hz $P_1 \geq \frac{T_L \times N_2}{975} = \frac{245 \times 11}{975} = 2.76kW$ Take P=3.7kW ■ $i = \frac{n_1}{n_2} = \frac{1800}{11}$ 165 ■ T_L = 245<T_2=304(P.30) ■ Load Factor 1.20<1.58 ■ Model: 5-818/13-165
■ Connection Equipment: Sprocket Drive, the sprocket is located in the center of the Output shaft ■ Pitch Radius r = 0.075m Radial Force $Pr = \frac{153}{00.75} = 2040 < \frac{2340}{1}$	⑧ Determine whether it can withstand the output shaft	■ Coupling connection is not considered Consider Radial force
■ Axis down ■ Motor direct connection ■ Flange installation → TDVM8-817-51 ■ Pump Forced Oil Lubrication	⑨ Confirm lubrication method and lubrication conditions	■ Motor direct connection ■ Horizontal installation →THHM5-818/13-165 Reference P. 90 ■ Oil-Bath Lubrication

SELECTION TABLE WITH 4 POLE MOTOR

Ratio	Frequency		50Hz			60Hz			
6	Input Speed		1500 R.P.M.			1800R.P.M.			
	Output Speed		250 R.P.M.			300 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	1/4	02	0.74(64.4)	1.41	79.4(175)	0.62(53.7)	1.41	74.8(165)	02-807-6
				2.01	138(303)		1.99	129(284)	02-808-6
0.4	1/2	05	1.5(126)	1.03	138(303)	1.2(105)	1.02	129(284)	05-808-6
0.75	1	1	2.8(246)	1.95	280(616)	2.4(205)	1.94	265(584)	1-809-6
1.5	2	2	5.6(488)	2.05	407(897)	4.7(407)	2.05	383(845)	2-810-6
2.2	3	3	8.3(718)	1.39	407(897)	6.9(599)	1.4	383(845)	3-810-6
				3.04	509(1123)		2.54	485(1069)	3-812-6
3.7	5	5	13.9(1204)	1.82	509(1123)	11.6(1004)	1.52	485(1069)	5-812-6
				2.94	584(1287)		2.93	553(1219)	5-813-6
5.5	7.5	8	20.5(1780)	1.23	509(1123)	17.1(1484)	1.03	485(1069)	8-812-6
				1.99	584(1287)		1.98	553(1219)	8-813-6
				2.71	926(2041)		2.69	877(1934)	8-814-6
7.5	10	10	27.9(2421)	1.46	584(1287)	23.2(2017)	1.46	553(1219)	10-813-6
				1.99	926(2041)		1.98	877(1934)	10-814-6
				3.17	1006(2218)		3.15	951(2096)	10-816-6
11	15	15	40.9(3550)	1	584(1287)	34.1(2958)	1	553(1219)	15-813-6
				1.36	926(2041)		1.35	877(1934)	15-814-6
				2.16	1006(2218)		2.15	951(2096)	15-816-6
15	20	20	55.8(4841)	1	926(2041)	*46.0(3990)	<1	877(1934)	20-814-6
				1.58	1006(2218)	46.5(4034)	1.57	951(2096)	20-816-6
				1.96	1133(2499)		1.95	1074(2368)	20-817-6
18.5	25	25	68.4(5936)	1.29	1006(2218)	57(4947)	1.28	951(2096)	25-816-6
				1.6	1133(2499)		1.59	1074(2368)	25-817-6
22	30	30	81.3(7060)	1.09	1006(2218)	67.8(5884)	1.1	951(2096)	30-816-6
				1.34	1133(2499)		1.3	1074(2368)	30-817-6
30	40	40	*109(9474)	<1	1133(2499)	*90.7(7868)	<1	1074(2368)	40-817-6

Note: 1. For model with S.F. <1 in the selection table (with background color) it is recommended to use it witha Torque Limiter.

Ratio	Frequency		50 Hz			60Hz			
8	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		188 R.P.M.			225 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	0.99(85.9)	1.42	90.6(200)	0.82(71.6)	1.41	85.4(188)	02-807-8
				2.01	151(334)		1.99	143(314)	02-808-8
0.4	½	05	1.9(168)	1.03	151(334)	1.6(140)	1.02	143(314)	05-808-8
0.75	1	1	3.8(329)	1.95	310(684)	3.2(274)	1.94	293(647)	1-809-8
1.5	2	2	7.5(651)	2.06	451(994)	6.3(542)	2.06	425(938)	2-810-8
2.2	3	3	11(958)	1.4	451(994)	9.2(798)	1.4	425(938)	3-810-8
3.7	5	5	18.5(1606)	1.82	565(1246)	15.4(1338)	1.81	535(1179)	5-812-8
				2.95	648(1429)		2.93	615(1356)	5-813-8
5.5	7.5	8	27.3(2374)	1.23	565(1246)	22.8(1978)	1.22	535(1179)	8-812-8
				1. 99	648(1429)		1.98	615(1356)	8-813-8
				2.71	1026(2262)		2.31	971(2141)	8-814-8
7.5	10	10	37.2(3228)	1.47	648(1429)	31(2690)	1.46	615(1356)	10-813-8
				1.99	1026(2262)		1.7	971(2141)	10-814-8
11	15	15	54.5(4733)	1	648(1429)	*45.2(3920)	<1	615(1366)	15-813-8
				1.36	1026(2262)	45.4(3945)	1.16	971(2141)	15-814-8
				2.15	1114(2457)		2.15	1055(2326)	15-816-8
15	20	20	74.4(6455)	1.57	1114(2457)	62(5379)	1.58	1055(2326)	20-816-8
				1.97	1242(2738)		1.95	1173(2586)	20-817-8
18.5	25	25	91.2(7915)	1.28	1114(2457)	76(6596)	1.29	1055(2326)	25-816-8
				1.6	1242(2738)		1.59	1173(2586)	25-817-8
22	30	30	108(9414)	1.08	1114(2457)	90.4(7845)	1.08	1055(2326)	30-816-8
				1.35	1242(2738)		1.33	1173(2586)	30-817-8
30	40	40	*146(12688)	<1	1242(2738)	*121(10463)	<1	1173(2586)	40-817-8

Note: 1. For model with S.F. <1 in the selection table (with background color) it is recommended to use it witha Torque Limiter.

Ratio	Frequency		50 Hz			60Hz			
11	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		136 R.P.M.			164 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	1.4(118)	1.42	118(260)	1.1(98.4)	1.41	115(254)	02-807-11
				2	168(371)		1.99	159(351)	02-808-11
0.4	½	05	2.7(231)	1.02	168(371)	2.2(192)	1.02	159(351)	05-808-11
0.75	1	1	5.2(452)	1.94	336(740)	4.3(377)	1.94	332(732)	1-809-11
1.5	2	2	10.3(895)	2.06	510(1125)	8.6(746)	2.28	482(1062)	2-810-11
2.2	3	3	15.2(1317)	1.4	510(1125)	12.6(1097)	1.55	482(1062)	3-810-11
				2.59	643(1418)		2.58	610(1344)	3-812-11
3.7	5	5	25.4(2208)	1.55	643(1418)	21.2(1840)	1.54	610(1344)	5-812-11
				2.95	735(1620)		2.93	698(1538)	5-813-11
5.5	7.5	8	37.6(3264)	1.05	643(1418)	31.3(2720)	1.04	610(1344)	8-812-11
				1.99	735(1620)		1.98	698(1538)	8-813-11
				2.7	1145(2524)		2.69	1085(2393)	8-814-11
7.5	10	10	51.1(4438)	1.47	735(1620)	42.6(3698)	1.46	698(1538)	10-813-11
				1.99	1145(2524)		1.98	1085(2393)	10-814-11
11	15	15	75(6508)	1.35	1145(2524)	62.5(5424)	1.35	1085(2393)	15-814-11
				2.16	1252(2761)		2.15	1193(2631)	15-816-11
15	20	20	102(8875)	1.59	1252(2761)	85.2(7396)	1.58	1193(2631)	20-816-11
				1.96	1419(3129)		1.95	1350(2977)	20-817-11
				2.55	1910(4212)		2.53	1792(3951)	20-818-11
18.5	25	25	125(10883)	1.29	1252(2761)	104(9069)	1.29	1193(2631)	25-816-11
				1.6	1419(3129)		1.59	1350(2977)	25-817-11
				2.08	1910(4212)		2.07	1792(3951)	25-818-11
22	30	30	149(12944)	1.09	1252(2761)	124(10787)	1.08	1193(2631)	30-816-11
				1.34	1419(3129)		1.34	1350(2977)	30-817-11
				1.75	1910(4212)		1.74	1792(3951)	30-818-11
30	40	40	203(17656)	1.28	1910(4212)	170(14713)	1.27	1792(3951)	40-818-11
				1.56	2685(5920)		1.55	2573(5594)	40-819-11
37	50	50	250(21713)	1.04	1910(4212)	208(18094)	1.04	1792(3951)	50-818-11
				1.27	2685(5920)		1.26	2537(5594)	50-819-11
				1.59	5217(11500)		1.58	4929(10868)	50-820-11
45	60	60	304(26403)	1.05	2685(5920)	253(22002)	1.04	2537(5594)	60-819-11
				1.3	5217(11500)		1.3	4929(10868)	60-820-11
				1.63	5220(11509)		1.62	4954(10922)	60-821-11
55	75	75	371(32177)	1.07	5217(11500)	309(26814)	1.06	4929(10868)	75-820-11
				1.34	5220(11509)		1.33	4954(10922)	75-821-11
				1.8	5490(12104)		1.79	5215(11498)	75-822-11
75	100	100	507(44005)	1.32	5490(12104)	422(36671)	1.31	5215(11498)	100-822-11
90	125	125	607(52656)	1.1	5490(12104)	506(43880)	1.09	5215(11498)	125-822-11

Ratio	Frequency		50 Hz			60Hz			
13	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		115 R.P.M.			138 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	1.6(140)	1.42	118(260)	1.3(116)	1.41	118(260)	02-807-13
				2	177(390)		1.99	167(369)	02-808-13
0.4	½	05	3.1(273)	1.02	117(390)	2.6(227)	1.02	167(369)	05-808-13
0.75	1	1	6.2(534)	1.94	336(740)	5.1(445)	1.94	332(732)	1-809-13
1.5	2	2	12.2(1058)	2.06	529(1166)	10.2(882)	1.74	500(1103)	2-810-13
2.2	3	3	17.9(1556)	1.4	529(1166)	14.9(1297)	1.18	500(1103)	3-810-13
				2.59	662(1459)		2.58	626(1381)	3-812-13
3.7	5	5	30.1(2609)	1.55	662(1459)	25.1(2174)	1.54	626(1381)	5-812-13
				2.67	769(1696)		2.93	724(1596)	5-813-13
5.5	7.5	8	44.4(3857)	1.05	662(1459)	37(3214)	1.04	626(1361)	8-812-13
				1.8	769(1696)		1.98	724(1596)	8-813-13
				2.69	1164(2567)		2.69	1105(2436)	8-814-13
7.5	10	10	60.4(5245)	1.33	769(1696)	50.4(4371)	1.46	724(1596)	10-813-13
				1.98	1164(2567)		1.98	1105(2436)	10-814-13
				2.99	1322(2913)		2.95	1243(2740)	10-816-13
11	15	15	88.6(7692)	1.35	1164(2567)	73.8(6410)	1.35	1105(2436)	15-814-13
				2.04	1322(2913)		2.01	1243(2740)	15-816-13
				2.68	1469(3238)		2.66	1400(3085)	15-817-13
15	20	20	121(10489)	1.49	1322(2913)	101(8741)	1.48	1243(2740)	20-816-13
				1.96	1469(3238)		1.95	1400(3085)	20-817-13
18.5	25	25	148(12862)	1.22	1322(2913)	123(10718)	1.2	1243(2740)	25-816-13
				1.6	1469(3238)		1.59	1400(3085)	25-817-13
				2.08	1970(4342)		2.07	1871(4125)	25-818-13
22	30	30	176(15297)	1.02	1322(2913)	147(12748)	1.01	1243(2740)	30-816-13
				1.35	1469(3238)		1.34	1400(3085)	30-817-13
				1.75	1970(4342)		1.74	1871(4125)	30-818-13
30	40	40	240(20866)	1.28	1970(4342)	200(17388)	1.28	1871(4125)	40-818-13
				1.57	2774(6116)		1.55	2626(5790)	40-819-13
37	50	50	296(25660)	1.04	1970(4342)	246(21384)	1.04	1871(4125)	50-818-13
				1.27	2774(6116)		1.26	2626(5790)	50-819-13
45	60	60	360(31203)	1.05	2774(6116)	300(26003)	1.04	2626(5790)	60-819-13

Ratio	Frequency		50 Hz			60Hz			
15	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		100 R.P.M.			120 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	1.9(161)	1.42	118(260)	1.5(134)	1.41	118(260)	02-807-15
				2	177(390)		1.99	168(371)	02-808-15
0.4	½	05	3.6(315)	1.02	177(390)	3(262)	1.02	168(371)	05-808-15
0.75	1	1	7.1(616)	1.95	336(740)	5.9(513)	1.94	330(727)	1-809-15
1.5	2	2	14.1(1221)	2.06	542(1194)	11.7(1017)	2.05	527(1161)	2-810-15
2.2	3	3	20.7(1796)	1.4	542(1194)	17.2(1497)	1.39	527(1161)	3-810-15
				2.6	708(1561)		2.58	672(1480)	3-812-15
3.7	5	5	34.7(3011)	1.55	708(1561)	28.9(2509)	1.54	672(1480)	5-812-15
				2.34	790(1741)		2.32	749(1650)	5-813-15
5.5	7.5	8	51.3(4451)	1.05	708(1561)	42.7(3709)	1.04	672(1480)	8-812-15
				1.58	790(1741)		1.57	749(1650)	8-813-15
				2.6	1214(2676)		2.67	1155(2545)	8-814-15
7.5	10	10	69.7(6052)	1.16	790(1741)	58.1(5043)	1.15	749(1650)	10-813-15
				1.91	1214(2676)		1.96	1155(2545)	10-814-15
				2.95	1391(3066)		2.96	1322(2913)	10-813-15
11	15	15	102(8875)	1.3	1214(2676)	85.2(7396)	1.34	1155(2545)	15-814-15
				2.01	1391(3066)		2.02	1322(2913)	15-816-15
				2.66	1518(3346)		2.66	1449(3194)	15-817-15
15	20	20	139(12102)	1.47	1391(3066)	116(10085)	1.48	1322(2913)	20-816-15
				1.95	1518(3346)		1.95	1449(3194)	20-817-15
				2.56	2058(4537)		2.54	1960(4320)	20-818-15
18.5	25	25	171(14841)	1.2	1391(3066)	142(12367)	1.21	1322(3913)	25-816-15
				1.59	1518(3346)		1.59	1449(3194)	25-817-15
				2.08	2058(4537)		2.07	1960(4320)	25-818-15
22	30	30	203(17651)	1.01	1391(3066)	169(14709)	1.01	1322(2913)	30-816-15
				1.34	1518(3346)		1.34	1449(3194)	30-817-15
				1.75	2058(4537)		1.74	1960(4320)	30-818-15
30	40	40	277(24076)	1.28	2058(4537)	231(20063)	1.28	1960(4320)	40-818-15
				1.56	2912(6421)		1.55	2745(6051)	40-819-15
				1.95	5593(12330)		1.94	5296(11675)	40-820-15
37	50	50	341(29608)	1.04	2058(4537)	284(24673)	1.04	1960(4320)	50-818-15
				1.27	2912(6421)		1.26	2745(6051)	50-819-15
				1.58	5593(12330)		1.57	5296(11675)	50-820-15
45	60	60	415(36004)	1.05	2912(6421)	346(30003)	1.04	2745(6051)	60-819-15
				1.3	5593(12330)		1.29	5296(11675)	60-820-15
				1.63	5594(12334)		1.62	5309(11704)	60-821-15
55	75	75	506(43878)	1.07	5593(12330)	421(36565)	1.06	5296(11675)	75-820-15
				1.34	5594(12334)		1.33	5309(11704)	75-821-15
				1.8	5903(13013)		1.79	5618(12386)	75-822-15
75	100	100	691(60007)	1.31	5903(13013)	576(50006)	1.31	5618(12386)	100-822-15
90	125	125	827(71803)	1.1	5903(13013)	689(59836)	1.09	5618(12386)	125-822-15

Ratio	Frequency		50 Hz			60Hz			
17	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		88.2 R.P.M.			106 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	2.1(182)	1.4	118(260)	1.8(152)	1.41	118(260)	02-807-17
				2	177(390)		1.99	177(390)	02-808-17
0.4	½	05	4.1(357)	1.02	177(390)	3.4(297)	1.02	177(390)	05-808-17
				3.81	336(740)		3.82	331(729)	05-809-17
0.75	1	1	8(698)	1.95	336(740)	6.7(582)	1.95	331(729)	1-809-17
				3.15	542(1194)		3.13	540(1190)	1-810-17
1.5	2	2	15.9(1383)	1.59	542(1194)	13.3(1153)	1.58	540(1190)	2-810-17
2.2	3	3	23.4 (2035)	1.08	542(1194)	19.5(1696)	1.07	540(1190)	3-810-17
				2.48	715(1576)		2.47	677(1493)	3-812-17
3.7	5	5	39.3(3412)	1.48	715(1576)	32.8(2843)	1.47	677(1493)	5-812-17
				2.16	850(1873)		2.15	807(1778)	5-813-17
5.5	7.5	8	58.1(5044)	1	715(1576)	48.4(4203)	1	677(1493)	8-812-17
				1.46	850(1873)		1.45	807(1778)	8-813-17
				2.14	1283(2828)		2.14	1214(2676)	8-814-17
7.5	10	10	79(6859)	1.07	850(1873)	65.9(5716)	1.07	807(1778)	10-813-17
				1.58	1283(2828)		1.57	1214(2676)	10-814-17
				2.48	1440(3174)		2.46	1371(3022)	10-816-17
11	15	15	116(10058)	1.07	1283(2828)	96.6(8382)	1.07	1214(2676)	15-814-17
				1.69	1440(3174)		1.68	1371(3022)	15-816-17
				2.14	1616(3564)		2.12	1538(3390)	15-817-17
15	20	20	158(13716)	1.24	1440(3174)	132(11430)	1.23	1371(3022)	20-816-17
				1.57	1616(3564)		1.56	1538(3390)	20-817-17
				2.5	2166(4776)		2.55	2058(4537)	20-818-17
18.5	25	25	194(16819)	1.01	1440(3174)	161(14016)	1	1371(3022)	25-816-17
				1.28	1616(3564)		1.27	1538(3390)	25-817-17
				2.04	2166(4776)		2.08	2058(4537)	25-818-17
22	30	30	230(20004)	1.07	1616(3564)	192(16670)	1.07	1538(3390)	30-817-17
				1.72	2166(4776)		1.75	2058(4537)	30-818-17
				2.14	3070(6769)		2.12	2903(6399)	30-819-17
30	40	40	314(27286)	1.26	2166(4776)	262(22738)	1.28	2058(4537)	40-818-17
				1.57	3070(6769)		1.56	2903(6399)	40-819-17
37	50	50	387(33556)	1.02	2166(4776)	322(27963)	1.04	2058(4537)	50-818-17
				1.27	3070(6769)		1.26	2903(6399)	50-819-17
45	60	60	470(40805)	1.05	3070(6769)	392(34004)	1.04	2903(6399)	60-819-17

Ratio	Frequency		50 Hz			60Hz			
21	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		71.4 R.P.M.			85.7 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	2.6(225)	1.13	118(260)	2.2(188)	1.15	118(260)	02-807-21
				2	177(390)		1.99	177(390)	02-808-21
0.4	½	05	5.1(441)	1.03	177(390)	4.2(367)	1.02	177(390)	05-808-21
0.75	1	1	9.9(863)	1.94	336(740)	8.3(719)	1.94	328(723)	1-809-21
				2.93	542(1194)		2.98	540(1190)	1-810-21
1.5	2	2	19.7(1709)	1.48	542(1194)	16.4(1424)	1.5	540(1190)	2-810-21
2.2	3	3	29(2514)	1.01	542(1194)	24.1(2095)	1.02	540(1190)	3-810-21
				2.1	789(1738)		2.13	746(1645)	3-812-21
3.7	5	5	48.6(4215)	1.25	789(1738)	40.5(3512)	1.27	746(1645)	5-812-21
				1.75	916(2019)		1.95	861(1897)	5-813-21
				2.5	1381(3046)		2.86	1293(2850)	5-814-21
5.5	7.5	8	71.8(6231)	1.18	916(2019)	59.8(5193)	1.32	861(1897)	8-813-21
				1.69	1381(3046)		1.94	1293(2850)	8-814-21
				2.86	1558(3435)		2.86	1479(3261)	8-816-21
7.5	10	10	97.6(8473)	1.25	1381(3046)	81.3(7061)	1.42	1293(2850)	10-814-21
				2.1	1558(3435)		2.1	1479(3261)	10-816-21
11	15	15	143(12425)	1.43	1558(3435)	119(10354)	1.43	1479(3261)	15-816-21
				2.1	1735(3824)		2.12	1646(3629)	15-817-21
15	20	20	195(16943)	1.05	1558(3435)	163(14119)	1.05	1479(3261)	20-816-21
				1.54	1735(3824)		1.56	1646(3629)	20-817-21
				2.5	2324(5124)		2.54	2206(4863)	20-818-21
18.5	25	25	239(20777)	1.25	1735(3824)	199(17314)	1.27	1646(3629)	25-817-21
				2.04	2324(5124)		2.07	2206(4863)	25-818-21
				2.54	3288(7248)		2.53	3120(6878)	25-819-21
22	30	30	285(24711)	1.05	1735(3824)	237(20593)	1.07	1646(3629)	30-817-21
				1.71	2324(5124)		1.74	2206(4863)	30-818-21
				2.13	3288(7248)		2.12	3120(6878)	30-819-21
30	40	40	388(33706)	1.25	2324(5124)	324(28088)	1.28	2206(4863)	40-818-21
				1.56	3288(7248)		1.56	3120(6878)	40-819-21
				1.93	6236(13748)		1.92	5909(13028)	40-820-21
37	50	50	478(41451)	1.02	2324(5124)	398(34543)	1.04	2206(4863)	50-818-21
				1.27	3288(7248)		1.27	3120(6878)	50-819-21
				1.57	6236(13748)		1.56	5909(13028)	50-820-21
45	60	60	581(50406)	1.05	3288(7248)	484(42005)	1.04	3120(6878)	60-819-21
				1.29	6236(13748)		1.28	5909(13028)	60-820-21
				1.64	6284(13854)		1.62	5979(13181)	60-821-21
55	75	75	708(61429)	1.06	6236(13748)	590(51191)	1.05	5909(13028)	75-820-21
				1.34	6284(13854)		1.33	5979(13181)	75-821-21
				1.7	6580(14507)		1.7	6256(13793)	75-822-21
75	100	100	968(84009)	1.24	6580(14507)	807(70008)	1.24	6256(13793)	100-822-21
90	125	125	1158(100524)	1.04	6580(14507)	965(83770)	1.04	6256(13793)	125-822-21

Ratio	Frequency		50 Hz			60Hz			
25	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		60 R.P.M.			72 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	3.1(268)	1.45	177(390)	2.6(224)	1.44	177(390)	02-808-25
0.4	½	05	6(524)	2.2	333(734)	5(437)	2.16	336(740)	05-809-25
0.75	1	1	11.8(1027)	1.12	333(734)	9.9(856)	1.1	336(740)	1-809-25
				2.15	542(1194)		2.14	540(1190)	1-810-25
1.5	2	2	23.4(2034)	1.09	542(1194)	19.5(1695)	1.08	540(1190)	2-810-25
				2.55	833(1836)		2.54	789(1738)	2-812-25
2.2	3	3	34.5(2993)	1.73	833(1836)	28.7(2494)	1.72	789(1738)	3-812-25
				2.51	956(2107)		2.58	904(1993)	3-813-25
3.7	5	5	57.8(5018)	1.03	833(1836)	48.2(4181)	1.03	789(1738)	5-812-25
				1.5	956(2107)		1.54	904(1993)	5-813-25
				2.09	1451(3198)		2.09	1381(3046)	5-814-25
5.5	7.5	8	85.5(7418)	1.01	956(2107)	71.2(6182)	1.04	904(1993)	8-813-25
				1.41	1451(3198)		1.41	1381(3046)	8-814-25
				2.4	1637(3609)		2.68	1539(3392)	8-816-25
7.5	10	10	116(10086)	1.14	1451(3198)	96.8(8405)	1.04	1381(3046)	10-814-25
				1.77	1637(3609)		1.97	1539(3392)	10-816-25
				2.54	1823(4020)		2.53	1725(3803)	10-817-25
11	15	15	170(14792)	1.21	1637(3609)	142(12327)	1.34	1539(3392)	15-816-25
				1.73	1823(4020)		1.72	1725(3803)	15-817-25
				2.69	2452(5406)		2.68	2314(5102)	15-818-25
15	20	20	232(20171)	1.27	1823(4020)	194(16809)	1.26	1725(3803)	20-817-25
				1.97	2452(5406)		1.97	2314(5102)	20-818-25
				2.62	3465(7640)		2.6	3278(7226)	20-819-25
18.5	25	25	285(24734)	1.04	1823(4020)	237(20612)	1.03	1725(3803)	25-817-25
				1.61	2452(5406)		1.6	2314(5102)	25-818-25
				2.14	3456(7640)		2.12	3278(7226)	25-819-25
22	30	30	339(29418)	1.35	2452(5406)	282(24515)	1.35	2314(5102)	30-818-25
				1.8	3465(7640)		1.78	3278(7226)	30-819-25
30	40	40	462(40126)	1.32	3465(7640)	385(33439)	1.31	3278(7226)	40-819-25
37	50	50	569(49347)	1.07	3465(7640)	474(41122)	1.06	3278(7226)	50-819-25

Ratio	Frequency		50 Hz			60Hz			
29	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		51.7 R.P.M.			62.1 R.P.M.			
Motor			Output Torque	S.F.	Allowable Output Shaft Overhung Load	Output Torque	S.F.	Allowable Output Shaft Overhung Load	TRANSCYKO MODEL
KW	HP	SYMBOL	Kgf.m (in.lbf)		Kgf (ibf)	Kgf.m (in.lbf)		Kgf (ibf)	
0.2	¼	02	3.6(311)	1.41	177(390)	3(259)	1.4	177(390)	02-808-29
0.4	½	05	7(608)	1.98	333(734)	5.8(507)	1.96	336(740)	05-809-29
0.75	1	1	13.7(1191)	1.01	333(734)	11.4(993)	1	336(740)	1-809-29
				2.04	542(1194)		2.03	540(1190)	1-810-29
1.5	2	2	27.2(2360)	1.03	542(1194)	22.7(1967)	1.03	540(1190)	2-810-29
				2.24	870(1918)		2.19	819(1806)	2-812-29
2.2	3	3	40(3472)	1.52	870(1918)	33.3(2893)	1.49	819(1806)	3-812-29
				2.13	1012(2231)		2.45	949(2092)	3-813-29
3.7	5	5	67.1(5820)	1.27	1012(2231)	55.9(4850)	1.46	949(2092)	5-813-29
				2	1480(3263)		1.97	1411(3111)	5-814-29
5.5	7.5	8	99.1(8605)	1.35	1480(3263)	82.6(7171)	1.33	1411(3111)	8-814-29
				2.04	1716(3783)		2.03	1627(3587)	8-816-29
7.5	10	10	*134(11638)	0.99	1480(3263)	*110(9560)	<1	1411(3111)	10-814-29
			135(11700)	1.5	1716(3783)	112(9750)	1.5	1627(3587)	10-816-29
				2.26	1932(4259)		2.43	1823(4020)	10-817-29
11	15	15	198(17159)	1.02	1716(3783)	165(14299)	1.02	1627(3587)	15-816-29
				1.54	1932(4259)		1.66	1823(4020)	15-817-29
				2.15	2590(5710)		2.14	2452(5406)	15-818-29
15	20	20	270(23398)	1.13	1923(4259)	225(19498)	1.22	1823(4020)	20-817-29
				1.57	2590(5710)		1.57	2452(5406)	20-818-29
				2.45	3643(8031)		2.43	3446(7596)	20-819-29
18.5	25	25	331(28692)	1.28	2590(5710)	275(23910)	1.28	2452(5406)	25-818-29
				1.99	3643(8031)		1.98	3446(7596)	25-819-29
				2.42	6810(15014)		2.4	6464(14250)	25-820-29
22	30	30	393(34125)	1.08	2590(5710)	328(28437)	1.08	2452(5406)	30-818-29
				1.68	3643(8031)		1.67	3446(7596)	30-819-29
				2.03	6810(15014)		2.02	6464(14250)	30-820-29
30	40	40	536(46547)	1.23	3643(8031)	447(38789)	1.22	3446(7596)	40-819-29
				1.49	6810(15014)		1.48	6464(14250)	40-820-29
				1.89	6855(15113)		1.88	6520(14375)	40-821-29
37	50	50	660(57242)	1.21	6810(15014)	550(47702)	1.2	6464(14250)	50-820-29
				1.54	6855(15113)		1.53	6520(14375)	50-821-29
45	60	60	802(69608)	1.27	6855(15113)	668(58006)	1.26	6520(14375)	60-821-29
				1.67	7189(15850)		1.64	6826(15049)	60-822-29
55	75	75	977(84831)	1.04	6855(15113)	814(70692)	1.03	6520(14375)	75-821-29
				1.37	7189(15850)		1.35	6826(15049)	75-822-29
75	100	100	1337(116013)	1	7189(15850)	*1099(95380)	<1	6826(15049)	100-822-29

Note: 1. For model with S.F. <1 in the selection table (with background color) it is recommended to use it witha Torque Limiter.

Ratio	Frequency		50 Hz			60Hz			
35	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		42.9 R.P.M.			51.4 R.P.M.			
Motor			Output Torque	S.F.	Allowable Output Shaft Overhung Load	Output Torque	S.F.	Allowable Output Shaft Overhung Load	TRANSCYKO MODEL
KW	HP	SYMBOL	Kgf.m (in.lbf)		Kgf (ibf)	Kgf.m (in.lbf)		Kgf (ibf)	
0.2	¼	02	4.3(376)	1.34	177(390)	3.6(313)	1.37	177(390)	02-808-35
0.4	½	05	8.5(734)	1.91	329(725)	7(612)	1.9	334(736)	05-809-35
				3.01	542(1194)		2.99	540(1190)	05-810-35
0.75	1	1	16.6(1438)	1.54	542(1194)	13.8(1198)	1.53	540(1190)	1-810-35
1.5	2	2	32.8(2848)	1.85	924(2038)	27.3(2373)	2.04	869(1916)	2-812-35
				2.64	1071(2361)		2.72	1012(2231)	2-813-35
2.2	3	3	48.3(4190)	1.26	924(2038)	40.2(3492)	1.38	869(1916)	3-812-35
				1.79	1071(2361)		1.85	1012(2231)	3-813-35
				2.78	1589(3502)		3.33	1500(3307)	3-814-35
3.7	5	5	80.9(7025)	1.07	1071(2361)	67.4(5854)	1.1	1012(2231)	5-813-35
				1.66	1589(3502)		1.99	1500(3307)	5-814-35
				2.54	1844(4066)		3	1716(3783)	5-816-35
5.5	7.5	8	120(10385)	1.12	1589(3502)	99.7(8654)	1.34	1500(3307)	8-814-35
				1.72	1844(4066)		2.03	1716(3783)	8-816-35
				2.55	2060(4541)		2.65	1942(4281)	8-817-35
7.5	10	10	163(14121)	1.26	1844(4066)	136(11768)	1.49	1716(3783)	10-816-35
				1.87	2060(4541)		1.95	1942(4281)	10-817-35
				2.96	2757(6079)		2.94	2610(5753)	10-818-35
11	15	15	239(20709)	1.28	2060(4541)	199(17257)	1.33	1942(4281)	15-817-35
				2.02	2767(6079)		2.01	2610(5753)	15-818-35
				2.66	3860(8510)		2.65	3653(3803)	15-819-35
15	20	20	325(28239)	1.48	2757(6079)	271(23532)	1.47	2610(5753)	20-818-35
				1.95	3860(8510)		1.94	3653(8053)	20-819-35
18.5	25	25	399(34628)	1.21	2757(6079)	332(28857)	1.2	2610(5753)	25-818-35
				1.59	3860(8510)		1.58	3653(8053)	25-819-35
22	30	30	475(41185)	1.02	2757(6079)	395(34321)	1.01	2610(5753)	30-818-35
				1.34	3860(8510)		1.33	3653(8053)	30-819-35
30	40	40	*635(55102)	<1	3860(8510)	*526(45686)	<1	3653(8053)	40-819-35

Note: 1. For model with S.F. <1 in the selection table (with background color) it is recommended to use it witha Torque Limiter.

Ratio	Frequency		50 Hz			60Hz			
43	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		34.9 R.P.M.			41.9 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	5.3(462)	1.1	166(366)	4.4(385)	1.11	177(390)	02-808-43
				2.96	331(729)		2.95	336(740)	02-809-43
0.4	½	05	10.4(902)	1.52	331(729)	8.7(752)	1.51	336(740)	05-809-43
				2.73	542(1194)		2.72	540(1190)	05-810-43
0.75	1	1	20.4(1766)	1.4	542(1194)	17(1472)	1.39	540(1190)	1-810-43
				2.99	983(2168)		3.02	936(2064)	1-812-43
1.5	2	2	40.3(3499)	1.51	983(2168)	33.6(2916)	1.53	936(2064)	2-812-43
				2.15	1149(2534)		2.41	1081(2382)	2-813-43
2.2	3	3	59.3(5148)	1.03	983(2168)	49.4(4290)	1.04	936(2064)	3-812-43
				1.46	1149(2534)		1.64	1081(2382)	3-813-43
				2.07	1608(3546)		2.36	1569(3459)	3-814-43
3.7	5	5	99.4(8630)	1.23	1608(3546)	82.9(7192)	1.41	1569(3459)	5-814-43
				2.07	1972(4348)		2.07	1874(4131)	5-816-43
				2.96	2208(4867)		2.94	2099(4628)	5-817-43
5.5	7.5	8	147(12759)	1.4	1972(4348)	122(10632)	1.4	1874(4131)	8-816-43
				2	2208(4867)		1.99	2099(4628)	8-817-43
				3.31	2964(6535)		3.34	2797(6166)	8-818-43
7.5	10	10	200(17349)	1.03	1972(4348)	167(14457)	1.03	1874(4131)	10-816-43
				1.47	2208(4867)		1.46	2099(4628)	10-817-43
				2.44	2964(6535)		2.45	2797(6166)	10-818-43
11	15	15	293(25443)	1	2208(4867)	244(21202)	1	2099(4628)	15-817-43
				1.66	2964(6535)		1.67	2797(6166)	15-818-43
				2.39	4166(9185)		2.65	3919(8641)	15-819-43
15	20	20	400(34693)	1.22	2964(6535)	333(28911)	1.23	2797(6166)	20-818-43
				1.76	4166(9185)		1.94	3919(8641)	20-819-43
				2.06	7721(17021)		2.05	7315(16127)	20-820-43
18.5	25	25	490(42543)	1.43	4166(9185)	408(35453)	1.58	3919(8641)	25-819-43
				1.68	7721(17021)		1.68	7315(16127)	25-820-43
22	30	30	583(50599)	1. 2	4166(9185)	486(42166)	1.33	3919(8641)	30-819-43
				1.42	7721(17021)		1.41	7315(16127)	30-820-43
				2	7752(17089)		1.99	7358(16221)	30-821-43
30	40	40	795(69017)	1.04	7721(17021)	663(57515)	1.03	7315(16127)	40-820-43
				1.47	7752(17089)		1.46	7358(16221)	40-821-43
				1.86	8142(17950)		1.85	7730(17041)	40-822-43
37	50	50	978(84877)	1.19	7752(17089)	815(70731)	1.19	7358(16221)	50-821-43
				1.51	8142(17950)		1.5	7730(17041)	50-822-43
45	60	60	1189(103211)	1.25	8142(17950)	991(86010)	1.23	7730(17041)	60-822-43
55	75	75	1449(125784)	1.02	8142(17950)	1208(104820)	1.01	7730(17041)	75-822-43

Ratio	Frequency		50 Hz			60Hz			
51	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		29.4 R.P.M.			35.3 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	6.3(547)	2.01	334(736)	5.3(456)	2.07	336(740)	02-809-51
0.4	½	05	12.3(1070)	1.03	334(736)	10.3(892)	1.06	336(740)	05-809-51
				1.96	542(1194)		1.94	540(1190)	05-810-51
0.75	1	1	24.1(2095)	2.52	983(2168)	20.1(1746)	2.89	976(2152)	1-812-51
1.5	2	2	47.8(4150)	1.27	983(2168)	39.8(3458)	1.46	976(2152)	2-812-51
				1.64	1208(2664)		1.87	1140(2512)	2-813-51
				2.4	1608(3546)		2.74	1608(3456)	2-814-51
2.2	3	3	70.3(6106)	1.11	1208(2664)	58.6(5088)	1.27	1140(2512)	3-813-51
				1.63	1608(3546)		1.86	1608(3546)	3-814-51
				2.92	2071(4566)		3.32	1943(4283)	3-816-51
3.7	5	5	118(10236)	1.74	2071(4566)	98.3(8530)	1.98	1943(4283)	5-816-51
				2.58	2306(5085)		2.95	2168(4780)	5-817-51
5.5	7.5	8	174(15133)	1.18	2071(4566)	145(12610)	1.34	1943(4283)	8-816-51
				1.75	2306(5085)		1.99	2168(4780)	8-817-51
				2.68	3102(6839)		2.67	2935(6470)	8-818-51
7.5	10	10	237(20576)	1.29	2306(5085)	198(17147)	1.47	2168(4780)	10-817-51
				1.97	3102(6839)		1.96	2935(6470)	10-818-51
				2.71	4374(9642)		2.7	4137(9120)	10-819-51
11	15	15	348(30175)	1.35	3102(6839)	290(25146)	1.34	2935(6470)	15-818-51
				1.85	4374(9642)		1.84	4137(9120)	15-819-51
15	20	20	474(41148)	1.36	4374(9642)	395(34290)	1.35	4137(9120)	20-819-51
18.5	25	25	581(50458)	1.11	4374(9642)	484(42049)	1.1	4137(9120)	25-819-51

Ratio	Frequency		50 Hz			60Hz			
59	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		25.4 R.P.M.			30.5 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	7.3(633)	1.65	366(740)	6.1(528)	1.82	336(740)	02-809-59
0.4	½	05	14.3(1238)	1.71	542(1194)	11.9(1031)	1.77	540(1190)	05-810-59
0.75	1	1	27.9(2424)	2.07	983(2168)	23.3(2020)	2.06	981(2163)	1-812-59
1.5	2	2	55.3(4801)	1.04	983(2168)	46.1(4001)	1.04	981(2163)	2-812-59
				1.57	1267(2794)		1.61	1199(2642)	2-813-59
				2.06	1608(3546)		2.37	1608(3546)	3-814-59
2.2	3	3	81.4(7064)	1.06	1267(2794)	67.8(5886)	1.1	1199(2642)	3-813-59
				1.4	1608(3546)		1.61	1608(3546)	3-814-59
				2.52	2219(4892)		2.53	2180(4805)	3-816-59
3.7	5	5	136(11842)	1.51	2219(4892)	114(9868)	1.51	2180(4805)	5-816-59
				2.17	2444(5389)		2.16	2306(5058)	5-817-59
5.5	7.5	8	202(17506)	1.02	2219(4892)	168(14589)	1.02	2180(4805)	8-816-59
				1.47	2444(5389)		1.46	2306(5085)	8-817-59
				2.14	3260(7186)		2.13	3082(6795)	8-818-59
7.5	10	10	274(23804)	1.08	2444(5389)	229(19837)	1.08	2306(5085)	10-817-59
				1.57	3260(7186)		1.56	3082(6795)	10-818-59
				2.44	4601(10143)		2.42	4334(9555)	10-819-59
11	15	15	402(34909)	1.07	3260(7186)	335(29091)	1.07	3082(6795)	15-818-59
				1.66	4601(10143)		1.65	4334(9555)	15-819-59
				2	8424(18571)		1.99	7988(17611)	15-820-59
15	20	20	548(47602)	1.22	4601(10143)	457(39669)	1.21	4334(9555)	20-819-59
				1.47	8424(18571)		1.46	7988(17611)	20-820-59
				2.18	8451(18631)		2.41	7998(17632)	20-821-59
18.5	25	25	673(58373)	1.2	8424(18571)	560(48644)	1.19	7988(17611)	25-820-59
				1.78	8451(18631)		1.96	7998(17632)	25-821-59
				2.10	8908(19639)		2.40	8417(18557)	25-822-59
22	30	30	800(69426)	1.01	8424(18571)	667(57855)	1	7988(17611)	30-820-59
				1.49	8451(18631)		1.65	7998(17632)	30-821-59
				1.77	8908(19639)		2.02	8417(18557)	30-822-59
30	40	40	1091(94698)	1.09	8451(18631)	909(78915)	1.21	7998(17632)	40-821-59
				1.3	8908(19639)		1.48	8417(18557)	40-822-59
37	50	50	1342(116459)	1.05	8908(19639)	1118(97049)	1.2	8417(18557)	50-822-59

Ratio	Frequency		50 Hz			60Hz			
71	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		21.1 R.P.M.			25.4 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	8.8(762)	1.37	335(738)	7.3(635)	1.47	336(740)	02-809-71
				2.49	542(1194)		2.75	542(1194)	02-810-71
0.4	½	05	17.2(1489)	1.27	542(1194)	14.3(1241)	1.41	542(1194)	05-810-71
				2.85	983(2168)		2.98	981(2163)	05-812-71
0.75	1	1	33.6(2917)	1.45	983(2168)	28(2430)	1.52	981(2163)	1-812-71
				2.58	1366(3011)		2.75	1277(2816)	1-813-71
1.5	2	2	66.6(5778)	1.3	1366(3011)	55.5(4815)	1.39	1277(2816)	2-813-71
				1.7	1608(3546)		1.95	1608(3546)	2-814-71
2.2	3	3	97.9(8500)	1.15	1608(3546)	81.6(7083)	1.33	1608(3546)	3-814-71
				2.1	2219(4892)		2.49	2160(4762)	3-816-71
3.7	5	5	164(14250)	1.25	2219(4892)	137(11875)	1.49	2160(4762)	5-816-71
				1.83	2592(5715)		1.86	2454(5410)	5-817-71
				2.58	3496(7707)		2.57	3289(7251)	5-818-71
5.5	7.5	8	243(21067)	1.24	2592(5715)	202(17556)	1.26	2454(5410)	8-817-71
				1.74	3496(7707)		1.74	3289(7251)	8-818-71
				2.74	4877(10752)		2.73	4610(10164)	8-819-71
7.5	10	10	330(28646)	1.28	3496(7707)	275(23871)	1.28	3289(1778)	10-818-71
				2.02	4877(10752)		2.01	4610(10164)	10-819-71
11	15	15	484(42009)	1.38	4877(10752)	403(35007)	1.37	4610(10164)	15-819-71
15	20	20	660(57284)	1.01	4877(10752)	550(47737)	1	4610(10164)	20-819-71

Ratio	Frequency		50 Hz			60Hz			
87	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		17.2 R.P.M.			20.7 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	10.8(934)	1.3	335(738)	9(778)	1.48	336(740)	02-809-87
				2.47	542(1194)		2.76	542(1194)	02-810-87
0.4	½	05	21(1825)	1.26	542(1194)	17.5(1521)	1.41	542(1194)	05-810-87
				2.57	973(2146)		2.81	983(2168)	05-812-87
0.75	1	1	41.2(3574)	1.31	973(2146)	34.3(2978)	1.44	983(2168)	1-812-87
				2.1	1474(3249)		2.42	1385(3054)	1-813-87
1.5	2	2	81.6(7080)	1.06	1474(2794)	68(5900)	1.22	1385(3054)	2-813-87
				1.4	1608(3546)		1.61	1608(3546)	2-814-87
				2.46	2189(4827)		2.53	2180(4805)	2-816-87
2.2	3	3	120(10416)	1.67	2189(4827)	100(8680)	1.72	2180(4805)	3-816-87
				2.47	2789(6149)		2.46	2641(5823)	3-817-87
3.7	5	5	210(17461)	1	2189(4827)	168(14551)	1.02	2180(4805)	5-816-87
				1.47	2789(6149)		1.47	2641(5823)	5-817-87
				2.26	3752(8272)		2.24	3555(7837)	5-818-87
5.5	7.5	8	297(25814)	1.53	3752(8272)	248(21512)	1.52	3555(7837)	8-818-87
				2.4	5262(11601)		2.39	4976(10970)	8-819-87
				2.81	8483(18702)		2.79	8483(18702)	8-820-87
7.5	10	10	404(35101)	1.13	3752(8272)	337(29251)	1.12	3555(7837)	10-818-87
				1.76	5262(11601)		1.76	4976(10970)	10-819-87
				2.06	8483(18702)		2.05	8483(18702)	10-820-87
11	15	15	593(51476)	1.2	5262(11601)	494(42896)	1.2	4976(10970)	15-819-87
				1.41	8483(18702)		1.4	8483(18702)	15-820-87
				1.73	9574(21106)		1.87	9062(19977)	15-821-87
15	20	20	809(70193)	1.03	8483(18702)	674(58495)	1.03	8483(18702)	20-820-87
				1.27	9574(21106)		1.37	9062(19977)	20-821-87
				1.76	10018(22086)		1.74	9527(21003)	20-822-87
18.5	25	25	992(86076)	1.03	9574(21106)	826(71730)	1.12	9062(19977)	25-821-87
				1.44	10018(22086)		1.42	9527(21003)	25-822-87

Ratio	Frequency		50 Hz			60Hz			
104 (13 x 8)	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		14.4 R.P.M.			17.3 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	12.3(1068)	1.43	336(740)	10.3(890)	1.71	336(740)	02-809/08-104
				2.09	542(1194)		2.08	542(1194)	02-810/08-104
				2.08	983(2168)		2.06	983(2168)	02-812/08-104
0.4	½	05	24.1(2088)	1.07	542(1194)	20(1740)	1.07	542(1194)	05-810/08-104
				1.06	983(2168)		1.06	983(2168)	05-812/08-104
0.75	1	1	47.1(4089)	1.29	983(2168)	39.3(3407)	1.55	983(2168)	1-812/09-104
				1.67	1474(3249)		2.01	1474(3249)	1-813/09-104
				2.85	1599(3524)		3.42	1599(3524)	1-814/10-104
1.5	2	2	93.3(8100)	1.44	1599(3524)	77.8(6750)	1.72	1599(3524)	2-814/10-104
				2.17	2219(4892)		2.16	2219(4892)	2-816/10-104
2.2	3	3	137(11917)	1.47	2219(4892)	114(9931)	1.47	2219(4892)	3-816/10-104
				2.22	2967(6540)		2.66	2839(6258)	3-817/12-104
3.7	5	5	230(19978)	1.32	2967(6540)	192(16648)	1.59	2839(6258)	5-817/12-104
				2.07	3998(8814)		2.49	3742(8250)	5-818/13-104
5.5	7.5	8	340(29535)	1.4	3998(8814)	284(24612)	1.68	3742(8250)	8-818/13-104
				2.08	5578(12297)		2.07	5272(11623)	8-819/13-104
7.5	10	10	463(40160)	1.03	3998(8814)	386(33467)	1.24	3742(8250)	10-818/13-104
				1.53	5578(12297)		1.52	5272(11623)	10-819/13-104

Ratio	Frequency		50 Hz			60Hz			
119	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		12.6 R.P.M.			15.1 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	14.7(1277)	1.41	540(1190)	12.3(1064)	1.4	542(1194)	02-810-119

Ratio	Frequency		50 Hz			60Hz			
121 (11 x 11)	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		12.4 R.P.M.			14.9 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	14.3(1243)	1.09	336(740)	11.9(1036)	1.31	336(740)	02-809/08-121
				2.09	542(1194)		2.08	542(1194)	02-810/08-121
				2.07	983(2168)		2.06	983(2168)	02-812/08-121
0.4	½	05	28(2429)	1.07	542(1194)	23.3(2025)	1.06	542(1194)	05-810/08-121
				1.06	983(2168)		1.05	983(2168)	05-812/08-121
0.75	1	1	54.8(4757)	1.1	983(2168)	45.7(3964)	1.31	983(2168)	1-812/09-121
				1.65	1474(3249)		1.98	1474(3249)	1-813/09-121
				2.31	1599(3524)		2.77	1599(3524)	1-814/10-121
1.5	2	2	109(9424)	1.16	1599(3524)	90.5(7853)	1.4	1599(3524)	2-814/10-121
				1.89	2219(4892)		2.15	2219(4892)	2-816/10-121
				2.81	2967(6540)		3.37	2967(6540)	2-817/12-121
2.2	3	3	160(13865)	1.29	2219(4892)	133(11554)	1.46	2219(4892)	3-816/10-121
				1.91	2967(6540)		2.29	2967(6540)	3-817/12-121
				2.93	4185(9227)		3.52	4008(8836)	3-818/13-121
3.7	5	5	268(23244)	1.14	2967(6540)	223(19370)	1.37	2967(6540)	5-817/12-121
				1.75	4185(9227)		2.1	4008(8836)	5-818/13-121
				2.72	5933(13081)		3.06	5608(12363)	5-819/13-121
5.5	7.5	8	396(34363)	1.18	4185(9227)	330(28636)	1.42	4008(8836)	5-819/13-121
				1.84	5933(13081)		2.07	5608(12363)	8-819/13-121
				2.08	8483(18702)		2.07	8483(18702)	8-820/13-121
7.5	10	10	538(46725)	1.35	5933(13081)	449(38937)	1.52	5608(12363)	10-819/13-121
				1.53	8483(18702)		1.53	8483(18702)	10-820/13-121
				1.52	10440(23017)		1.51	10145(22366)	10-821/13-121
11	15	15	789(68522)	1.38	10440(23017)	658(57102)	1.66	10145(22366)	15-821/16-121
				1.66	11295(24901)		1.99	10607(23385)	15-822/17-121
				2.26	14066(31010)		2.24	13279(29275)	15-823/16-121
15	20	20	1077(93438)	1.01	10440(23017)	897(77865)	1.22	10145(22366)	20-821/16-121
				1.22	11295(24901)		1.46	10607(23385)	20-822/17-121
				1.66	14066(31010)		1.64	13279(29275)	20-823/16-121
18.5	25	25	*1309(113626)	<1	11295(23017)	1100(95483)	1.19	10607(23385)	25-822/17-121
			1320(114580)	1.39	14066(31010)		1.66	13279(29275)	25-823/18-121
				1.52	15735(34689)		1.82	14844(32726)	25-824/18-121
22	30	30	1570(136276)	1.17	14066(31010)	1308(113563)	1.4	13279(29275)	30-823/18-121
				1.28	15735(34689)		1.53	14844(32726)	30-824/18-121
				1.41	19322(42597)		1.4	18237(40206)	30-825/17-121
30	40	40	2142(185882)	1.24	19223(42380)	1785(154901)	1.21	18139(39989)	40-825/19-121
				1.41	23333(51439)		1.33	22058(48630)	40-826/19-121
37	50	50	2634(228595)	1.01	19223(42380)	2195(190496)	1.21	18139(39989)	50-825/19-121
				1.15	23333(51439)		1.33	22058(48630)	50-826/19-121

Note: 1. For model with S.F. <1 in the selection table (with background color) it is recommended to use it witha Torque Limiter.

Ratio	Frequency	50 Hz			60Hz			
143 (13 x 11)	Input Speed	1500 R.P.M.			1800 R.P.M.			
	Output Speed	10.5 R.P.M.			12.6 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	16.9(1469)	1.06	336(740)	14.1(1224)	1.27	336(740)	02-809/08-143
			16.9(1469)	1.72	542(1194)	14.1(1224)	2.07	542(1194)	02-810/08-143
			16.9(1469)	2.07	983(2168)	14.1(1224)	2.06	983(2168)	02-812/08-143
0.4	½	05	33.1(2871)	1.06	983(2168)	27.6(2393)	1.05	983(2168)	05-812/08-143
			33.1(2871)	2.74	1474(3249)	27.6(2393)	3.28	1474(3249)	05-813/09-143
0.75	1	1	64.8(5622)	1.4	1474(3249)	54(4685)	1.68	1474(3249)	1-813/09-143
			64.8(5622)	2.04	1608(3546)	54(4685)	2.02	1608(3546)	1-814/09-143
1.5	2	2	128(11137)	1.04	1599(3524)	107(9281)	1.25	1599(3524)	2-814/10-143
			128(11137)	1.6	2219(4892)	107(9281)	1.92	2219(4892)	2-816/10-143
			128(11137)	2.15	2967(6540)	107(9281)	2.13	2967(6540)	2-817/10-143
2.2	3	3	189(16386)	1.09	2219(4892)	157(13655)	1.31	2219(4892)	3-816/10-143
			189(16386)	1.46	2967(6540)	157(13655)	1.45	2967(6540)	3-817/10-143
			189(16386)	2.53	4185(9227)	157(13655)	3.04	4185(9227)	3-818/13-143
3.7	5	5	316(27470)	1.51	4185(9227)	264(22892)	1.81	4185(9227)	5-818/13-143
			316(27470)	2.32	5864(12929)	264(22892)	2.78	5825(12841)	5-819/13-143
5.5	7.5	8	468(40610)	1.02	4185(9227)	390(33842)	1.22	4185(9227)	8-818/13-143
			468(40610)	1.57	5864(12929)	390(33842)	1.88	5825(12841)	8-819/13-143
7.5	10	10	636(55220)	1.15	5864(12929)	530(46017)	1.38	5825(12841)	10-819/13-143

Ratio	Frequency	50 Hz			60Hz			
165 (15 x 11)	Input Speed	1500 R.P.M.			1800 R.P.M.			
	Output Speed	9.1 R.P.M.			10.9 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	19.5(1695)	1	336(740)	16.3(1412)	1.2	336(740)	02-809/08-165
				1.49	542(1194)		1.79	542(1194)	02-810/08-165
				2.07	983(2168)		2.06	983(2168)	02-812/08-165
0.4	½	05	38.2(3313)	1.06	983(2168)	31.8(2761)	1.05	983(2168)	05-812/08-165
				2.37	1474(3249)		2.85	1474(3249)	05-813/09-165
0.75	1	1	74.7(6487)	1.21	1474(3249)	62.3(5406)	1.45	1474(3249)	1-813/09-165
				1.77	1680(3546)		2.03	1608(3546)	1-814/09-165
				2.75	2219(4892)		3.3	2219(4892)	1-816/10-165
1.5	2	2	148(12851)	1.39	2219(4892)	123(10709)	1.66	2219(4892)	2-816/10-165
				2.06	2967(6540)		2.13	2967(6540)	2-817/10-165
2.2	3	3	218(18907)	1.4	2967(6540)	182(15756)	1.45	2967(6540)	3-817/10-165
				2.2	4185(9227)		2.64	4185(9227)	3-818/13-165
3.7	5	5	365(31696)	1.31	4185(9227)	304(26413)	1.58	4185(9227)	5-818/13-165
				2.08	5864(12909)		2.5	5864(12929)	5-819/13-165
				2.45	8483(18702)		2.94	8483(18702)	5-820/13-165
5.5	7.5	8	540(46858)	1.41	5864(12929)	450(39049)	1.69	5864(12929)	8-819/13-165
				1.66	8483(18702)		1.99	8483(18702)	8-820/13-165
				2.07	10440(23017)		2.06	10440(23017)	8-821/13-165
7.5	10	10	734(63715)	1.04	5864(12929)	612(53096)	1.24	5864(12929)	10-819/13-165
				1.22	8483(18702)		1.46	8483(18702)	10-820/13-165
				1.52	10440(23017)		1.51	10440(23017)	10-821/13-165
11	15	15	1077(93439)	1.08	10440(23017)	897(77866)	1.3	10145(22366)	15-821/16-165
				1.31	12277(27066)		1.58	11590(25551)	15-822/17-165
				1.78	15148(33395)		2.14	14263(31444)	15-823/16-165
15	20	20	1468(127416)	1.31	15148(33395)	1223(106180)	1.57	14263(31444)	20-823/16-165
				1.65	16922(37308)		1.65	16131(35562)	20-824/16-165
				2.05	20702(45640)		2.04	19617(43249)	20-825/17-165
18.5	25	25	1800(156245)	1.05	15148(33395)	1500(130205)	1.28	14263(31444)	25-823/16-165
				1.43	16922(37308)		1.71	16131(35562)	25-824/16-165
				1.67	20702(45640)		1.67	19617(43249)	25-825/17-165
22	30	30	2141(185830)	1.2	16922(37308)	1784(154859)	1.44	16131(35562)	30-824/18-165
				1.41	20702(45640)		1.4	19617(43249)	30-825/17-165
				1.97	24999(55114)		2.22	23627(52088)	30-826/19-165
30	40	40	2920(253475)	1.03	20702(45640)	2434(211229)	1.24	19617(43249)	40-825/19-165
				1.45	24999(55114)		1.63	23627(52088)	40-826/19-165
37	50	50	3591(311721)	1.18	24999(55114)	2993(259767)	1.33	23627(52088)	50-826/19-165

Ratio	Frequency		50 Hz			60Hz			
195 (15 x 13)	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		7.7 R.P.M.			9.2 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	23.1(2003)	1.26	542(1194)	19.2(1669)	1.52	542(1194)	02-810/08-195
				2.07	983(2168)		2.06	983(2168)	02-812/08-195
0.4	½	05	45.1 (3915)	1.06	983(2168)	37.6(3263)	1.05	983(2168)	05-812/08-195
				2.01	1474(3249)		2.41	1474(3249)	05-813/09-195
				2.93	1608(3546)		3.52	1608(3546)	05-814/09-195
0.75	1	1	88.3(7667)	1.02	1474(3249)	73.6(6389)	1.23	1474(3249)	1-813/09-195
				1.5	1608(3546)		1.8	1608(3546)	1-814/09-195
				2.04	2219(4892)		2.03	2219(4892)	1-816/09-195
1.5	2	2	175(15187)	1.17	2219(4892)	146(12656)	1.41	2219(4892)	2-816/10-195
				1.74	2967(6540)		2.09	2967(6540)	2-817/10-195
				2.74	4185(9227)		3.29	4185(9227)	2-818/13-195
2.2	3	3	257(22344)	1.18	2967(6540)	251(18620)	1.42	2967(6540)	3-817/10-195
				1.86	4185(9227)		2.24	4185(9227)	3-818/13-195
				2.43	5924(13059)		2.68	5933(13081)	3-819/12-195
3.7	5	5	432(37459)	1.11	4185(9227)	360(31216)	1.33	4185(9227)	5-818/13-195
				1.45	5924(13059)		1.6	5933(13081)	5-819/12-195
				2.07	8483(18702)		2.49	8483(18702)	5-820/13-195
5.5	7.5	8	638(55378)	1.19	5924(13059)	532(46148)	1.43	5933(13081)	8-819/13-195
				1.4	8483(18702)		1.68	8483(18702)	8-820/13-195
				1.83	10440(23017)		2.05	10440(23017)	8-821/13-195
7.5	10	10	838(75300)	1.03	8483(18702)	723(62750)	1.24	8483(18702)	10-820/13-195
				1.34	10440(23017)		1.51	10440(23017)	10-821/13-195
				1.4	12965(28582)		1.53	12277(27066)	10-822/13-195
11	15	15	1272(110428)	1.11	12965(28582)	1060(82023)	1.33	12277(27066)	15-822/17-195
				1.51	15935(35130)		1.81	15050(33179)	15-823/16-195
				2.02	17813(39271)		2.11	16922(37308)	15-824/16-195
15	20	20	1735(150582)	1.1	15935(35130)	1446(125485)	1.33	15050(33179)	20-823/16-195
				1.48	17813(39271)		1.55	16922(37308)	20-824/16-195
				1.74	21786(48030)		2.04	20505(45205)	20-825/17-195
18.5	25	25	2127(184654)	1.21	17813(39271)	1773(153878)	1.45	16922(37308)	25-824/18-195
				1.42	21786(48030)		1.67	20505(45205)	25-825/17-195
				1.98	26274(57923)		2.38	24803(54681)	25-826/19-195
22	30	30	2530(219618)	1.02	17813(39271)	2109(183015)	1.22	16922(37308)	30-824/18-195
				1.19	21786(48030)		1.4	20505(45205)	30-825/17-195
				1.67	26274(57923)		2.00	24803(54681)	30-826/19-195
30	40	40	3451(299562)	1.22	26274(57923)	2876(249635)	1.47	24803(54681)	40-826/19-195

Ratio	Frequency		50 Hz			60Hz			
231 (21 x 11)	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		6.5 R.P.M.			7.8 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	27.3(2373)	1.07	542(1194)	22.8(1977)	1.28	542(1194)	02-810/08-231
				2.08	983(2168)		2.07	983(2168)	02-812/08-231
0.4	½	05	53.4(4638)	1.06	983(2168)	44.5(3865)	1.06	983(2168)	05-812/08-231
				1.69	1474(3249)		2.03	1474(3249)	05-813/09-231
				2.44	1608(3546)		2.93	1608(3546)	05-814/09-231
0.75	1	1	105(9082)	1.24	1608(3546)	87.2(7568)	1.49	1608(3546)	1-814/09-231
				1.96	2219(4892)		2.04	2219(4892)	1-816/09-231
				2.91	2967(6540)		3.49	2967(6540)	1-817/10-231
1.5	2	2	207(17991)	1.47	2967(6540)	173(14993)	1.76	2967(6540)	2-817/10-231
				2.16	4185(9227)		2.15	4185(9227)	2-818/10-231
2.2	3	3	305(26469)	1	2967(6540)	254(22058)	1.2	2967(6540)	3-817/10-231
				1.47	4185(9227)		1.46	4185(9227)	3-818/10-231
				2.51	5933(13081)		2.68	5933(13081)	3-819/12-231
3.7	5	5	511(44374)	1.5	5933(13081)	426(36979)	1.6	5933(13081)	5-819/12-231
				1.75	8483(18702)		2.1	8483(18702)	5-820/13-231
				2.34	10440(23017)		2.8	10440(23017)	5-821/13-231
5.5	7.5	8	756(65602)	1.01	5933(13081)	630(54668)	1.08	5933(13081)	8-819/12-231
				1.18	8483(18702)		1.42	8483(18702)	8-820/13-231
				1.58	10440(23017)		1.9	10440(23017)	8-821/13-231
7.5	10	10	1028(89202)	1.16	10440(23017)	856(74335)	1.39	10440(23017)	10-821/13-231
				1.4	13750(30314)		1.54	12965(28582)	10-822/13-231
				1.8	17115(37732)		2.16	16230(35781)	10-823/16-231
11	15	15	1507(130815)	1.23	17115(37732)	1256(109012)	1.47	16230(35781)	15-823/16-231
				1.67	19100(42107)		2.01	18011(39707)	15-824/16-231
				1.99	23166(51073)		2.39	21885(48248)	15-825/17-231
15	20	20	2055(178382)	1.23	19100(42107)	1713(148652)	1.47	18011(39707)	20-824/16-231
				1.46	23166(51073)		1.75	21885(48248)	20-825/17-231
				2.16	27548(60733)		2.59	26470(58356)	20-826/19-231
18.5	25	25	2520(218744)	1	19100(42107)	2100(182286)	1.2	18011(39707)	25-824/18-231
				1.19	23166(51073)		1.43	21885(48248)	25-825/17-231
				1.76	27548(60733)		2.11	26470(58356)	25-826/19-231
22	30	30	2997(260163)	1	23166(51073)	2498(216802)	1.2	21885(48248)	30-825/17-231
				1.48	27548(60733)		1.78	26470(58356)	30-826/19-231
30	40	40	4088(354865)	1.09	27548(60733)	3407(295721)	1.3	26470(58356)	40-826/19-231

Ratio	Frequency		50 Hz			60Hz			
273 (21 x 13)	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		5.5 R.P.M.			6.6 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	32.3(2804)	1.88	983(2168)	26.9(2337)	2.07	983(2168)	02-812/08-273
				2.8	1474(3249)		3.36	1474(3249)	02-813/09-273
0.4	½	05	63.2(5481)	1.43	1474(3249)	52.6(4568)	1.72	1474(3249)	05-813/09-273
				2.06	1608(3546)		2.48	1608(3546)	05-814/09-273
0.75	1	1	124(10733)	1.05	1608(3546)	103(8944)	1.26	1608(3546)	1-814/09-273
				1.66	2219(4892)		1.99	2219(4892)	1-816/09-273
				2.03	2967(6540)		2.02	2967(6540)	1-817/09-273
1.5	2	2	245(21262)	1.24	2967(6540)	204(17719)	1.49	2967(6540)	2-817/10-273
				1.99	4185(9227)		2.15	4185(9227)	2-818/10-273
2.2	3	3	360(31282)	1.35	4185(9227)	300(26068)	1.46	4185(9227)	3-818/10-273
				2.12	5933(13081)		2.55	5933(13081)	3-819/12-273
				2.24	8483(18702)		2.52	8483(18702)	3-820/12-273
3.7	5	5	604(52442)	1.27	5933(13081)	504(43702)	1.52	5933(13081)	5-819/12-273
				1.34	8483(18702)		1.51	8483(18702)	5-820/12-273
				1.98	10440(23017)		2.37	10440(23017)	5-821/13-273
5.5	7.5	8	893(77529)	1	8483(18702)	774(64608)	1.2	8483(18702)	8-820/13-273
				1.34	10440(23017)		1.6	10440(23017)	8-821/13-273
				1.62	14438(31830)		1.94	13652(30098)	8-822/13-273
7.5	10	10	1215(105420)	1.19	14438(31830)	1012(87850)	1.43	13652(30098)	10-822/13-273
				1.52	17902(39467)		1.83	17017(37516)	10-823/16-273
				2.08	20089(44289)		2.49	19001(41889)	10-824/16-273
11	15	15	1781(154599)	1.04	17902(39467)	1484(128833)	1.25	17017(37516)	15-823/16-273
				1.42	20089(44289)		1.7	19001(41889)	15-824/16-273
				1.69	24349(53681)		2.02	23068(50856)	15-825/17-273
15	20	20	2429(210815)	1.04	20089(44289)	2024(175679)	1.25	19001(41889)	20-824/16-273
				1.24	24349(53681)		1.48	23068(50856)	20-825/17-273
				1.83	27548(60733)		2.19	27548(60733)	20-826/19-273
18.5	25	25	2978(258515)	1.01	24349(53681)	2482(215429)	1.21	23068(50856)	25-825/17-273
				1.49	27548(60733)		1.79	27548(60733)	25-826/19-273
22	30	30	3542(307465)	1.25	27548(60733)	2952 (256221)	1.5	27548(60733)	30-826/19-273

Ratio	Frequency		50 Hz			60Hz			
319 (29 x 11)	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		4.7 R.P.M.			5.6 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	37.8(3277)	1.61	983(2168)	31.5(2731)	1.93	983(2168)	02-812/08-319
				2.07	1474(3249)		2.06	1474(3249)	02-813/08-319
0.4	½	05	73.8(6405)	1.06	1474(3249)	61.5(5337)	1.05	1474(3249)	05-813/08-319
				1.82	1589(3502)		2.18	1589(3502)	05-814/09-319
				2.78	2219(4892)		3.34	2219(4892)	05-816/09-319
0.75	1	1	144(12542)	1.42	2219(4892)	120(10451)	1.71	2219(4892)	1-816/09-319
				2.02	2967(6540)		2.01	2967(6540)	1-817/09-319
1.5	2	2	286(24845)	1.06	2967(6540)	239(20704)	1.28	2967(6540)	2-817/10-319
				1.7	4185(9227)		2.04	4185(9227)	2-818/10-319
				2.67	5933(13081)		3.21	5933(13081)	2-819/12-319
2.2	3	3	421(36553)	1.16	4185(9227)	351(30461)	1.39	4185(9227)	3-818/13-319
				1.82	5933(13081)		2.18	5933(13081)	3-819/12-319
				1.85	8483(18702)		2.08	8483(18702)	3-820/12-319
3.7	5	5	706(61279)	1.08	5933(13081)	588(51066)	1.3	5933(13081)	5-819/13-319
				1.1	8483(18702)		1.24	8483(18702)	5-820/12-319
				1.72	10440(23017)		2.06	10440(23017)	5-821/13-319
5.5	7.5	8	1044(90593)	1.16	10440(23017)	870(75494)	1.39	10440(23017)	8-821/13-319
				1.4	14536(32046)		1.68	14241(31397)	8-822/13-319
				1.77	17902(39467)		2.13	17804(39250)	8-823/16-319
7.5	10	10	1044(90593)	1.03	14536(32046)	870(75494)	1.24	14241(31397)	10-822/13-319
				1.3	17902(39467)		1.56	17804(39250)	10-823/16-319
				1.78	20980(46253)		2.13	19792(43635)	10-824/16-319
11	15	15	2081(180649)	1.21	20980(46253)	1734(150541)	1.45	19792(43635)	15-824/16-319
				1.51	25631(56506)		1.81	24251(53464)	15-825/17-319
				2.13	27548(60733)		2.56	27548(60733)	15-826/19-319
15	20	20	2838(246337)	1.11	25631(56506)	2365(205281)	1.33	24251(53464)	20-825/17-319
				1.56	27548(60733)		1.88	27548(60733)	20-826/19-319
				2.34	24951(55006)		2.81	24951(55006)	20-827/19-319
18.5	25	25	3480(302075)	1.28	27548(60733)	2900(251729)	1.53	27548(60733)	25-826/19-319
				1.91	24951(55006)		2.29	24951(55006)	25-827/19-319
22	30	30	4139(359272)	1.07	27548(60733)	3449(299393)	1.29	27548(60733)	30-826/19-319
				1.61	24951(55006)		1.93	24951(55006)	30-827/19-319
30	40	40	5646(490052)	1.18	24951(55006)	4705(408377)	1.41	24951(55006)	40-827/19-319
37	50	50	*6644(576681)	<1	24951(55006)	5786(502216)	1.15	24951(55006)	50-827/19-319

Ratio	Frequency		50 Hz			60Hz			
377 (29 x 13)	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		4.0 R.P.M.			4.8 R.P.M.			
Motor			Output Torque	S.F.	Allowable Output Shaft Overhung Load	Output Torque	S.F.	Allowable Output Shaft Overhung Load	TRANSCYKO MODEL
KW	HP	SYMBOL	Kgf.m (in.lbf)		Kgf (ibf)	Kgf.m (in.lbf)		Kgf (ibf)	
0.2	¼	02	44.6(3873)	1.36	983(2168)	37.2(3227)	1.64	983(2168)	02-812/08-377
				2.03	1474(3249)		2.06	1474(3249)	02-813/08-377
				3.01	1589(3502)		3.61	1589(3502)	02-814/09-377
0.4	½	05	87.2(7569)	1.04	1474(3249)	72.7(6308)	1.05	1474(3249)	05-813/08-377
				1.54	1589(3502)		1.85	1589(3502)	05-814/09-377
				2.36	2219(4892)		2.83	2219(4892)	05-816/09-377
0.75	1	1	171(14822)	1.2	2219(4892)	142(12352)	1.44	2219(4892)	1-816/09-377
				1.78	2967(6540)		2.01	2967(6540)	1-817/09-377
				2.85	4185(9227)		3.42	4185(9227)	1-818/10-377
1.5	2	2	338(29362)	1.44	4185(9227)	282(24469)	1.73	4185(9227)	2-818/10-377
				2.26	5933(13081)		2.71	5933(13081)	2-819/12-377
				2.44	8483(18702)		2.75	8483(18702)	2-820/12-377
2.2	3	3	498(43199)	1.54	5933(13081)	415(35999)	1.84	5933(13081)	3-819/12-377
				1.66	8483(18702)		1.87	8483(18702)	3-820/12-377
				2.44	10440(23017)		2.92	10440(23017)	3-821/13-377
3.7	5	5	834(72420)	1.07	8483(18702)	695(60350)	1.28	8483(18702)	5-820/13-377
				1.45	10440(23017)		1.74	10440(23017)	5-821/13-377
				1.75	14536(32046)		2.1	14536(32046)	5-822/13-377
5.5	7.5	8	1234(107064)	1.19	14536(32046)	1028(89220)	1.42	14536(32046)	8-822/13-377
				1.5	17902(39467)		1.8	17902(39467)	8-823/16-377
				2.05	20980(46253)		2.45	20881(46034)	8-824/16-377
7.5	10	10	1677(145580)	1.1	17902(39467)	1398(121317)	1.32	17902(39467)	10-823/16-377
				1.5	20980(46253)		1.81	20881(46034)	10-824/16-377
				1.88	25927(57158)		2.25	25532(56289)	10-825/17-377
11	15	15	2460(213494)	1.03	20980(46253)	2050(177912)	1.23	20881(46034)	15-824/16-377
				1.28	25927(57158)		1.53	25532(56289)	15-825/17-377
				1.8	27548(60733)		2.17	27548(60733)	15-826/19-377
15	20	20	3354(291125)	1.32	27548(60733)	2795(242604)	1.59	28100(61950)	20-826/19-377
				1.98	24951(55006)		2.38	25300(55777)	20-827/19-377
18.5	25	25	4113(356997)	1.08	27548(60733)	3428(297498)	1.3	27548(60733)	25-826/19-377
				1.62	24951(55006)		1.94	24951(55006)	25-827/19-377
22	30	30	4892(424594)	1.36	24951(55006)	4077(353829)	1.63	24951(55006)	30-827/19-377
30	40	40	6673(579152)	1	24951(55006)	5560(484627)	1.19	24951(55006)	40-827/19-377

Ratio	Frequency		50 Hz			60Hz			
473 (43 x 11)	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		3.2 R.P.M.			3.8 R.P.M.			
Motor			Output Torque	S.F.	Allowable Output Shaft Overhung Load	Output Torque	S.F.	Allowable Output Shaft Overhung Load	TRANSCYKO MODEL
KW	HP	SYMBOL	Kgf.m (in.lbf)		Kgf (ibf)	Kgf.m (in.lbf)		Kgf (ibf)	
0.2	¼	02	56(4859)	1.09	983(2168)	46.7(4049)	1.3	983(2168)	02-812/08-473
				1.62	1474(3249)		1.94	1474(3249)	02-813/08-473
				2.4	1579(3481)		2.87	1579(3481)	02-814/09-473
0.4	½	05	109(9497)	1.08	1579(3481)	91.2(7914)	1.07	1579(3481)	05-814/08-473
				1.88	2219(4892)		2.25	2219(4892)	05-816/09-473
				2.78	2967(6540)		3.34	2967(6540)	05-817/09-473
0.75	1	1	214(18596)	1.42	2967(6540)	179(15497)	1.71	2967(6540)	1-817/09-473
				2.27	4185(9227)		2.73	4185(9227)	1-818/10-473
1.5	2	2	424(36839)	1.15	4185(9227)	354(30700)	1.38	4185(9227)	2-818/10-473
				1.8	5933(13081)		2.16	5933(13081)	2-819/12-473
				1.88	8483(18702)		2.12	8483(18702)	2-820/12-473
2.2	3	3	624(54199)	1.23	5933(13081)	520(45166)	1.47	5933(13081)	3-819/12-473
				1.28	8483(18702)		1.44	8483(18702)	3-820/12-473
				1.94	10440(23017)		2.33	10440(23017)	3-821/13-473
3.7	5	5	1047(90862)	1.16	10440(23017)	872(75718)	1.39	10440(23017)	5-821/13-473
				1.49	14536(32046)		1.79	14536(32046)	5-822/13-473
				1.91	17902(39467)		2.3	17902(39467)	5-823/16-473
5.5	7.5	8	1548(134327)	1.01	14536(32046)	1290(111939)	1.21	14536(32046)	8-822/13-473
				1.29	17902(39467)		1.55	17902(39467)	8-823/16-473
				1.63	20980(46253)		1.96	20980(46253)	8-824/16-473
7.5	10	10	2104(182651)	1.2	20980(46253)	1754(152209)	1.44	20980(46253)	10-824/16-473
				1.59	25927(57158)		1.91	25927(57158)	10-825/17-473
				2.11	27548(60733)		2.53	27548(60733)	10-826/19-473
11	15	15	3086(267859)	1.08	25927(57158)	2572(223216)	1.3	25927(57158)	15-825/17-473
				1.44	27548(60733)		1.73	27548(60733)	15-826/19-473
				2.15	24951(55006)		2.58	24951(55006)	15-827/19-473
15	20	20	4208(365258)	1.05	27548(60733)	3507(304382)	1.27	27548(60733)	20-826/19-473
				1.58	24951(55006)		1.89	24951(55006)	20-827/19-473
18.5	25	25	5160(447904)	1.29	24951(55006)	4300(373253)	1.55	24951(55006)	25-827/19-473
22	30	30	6138(532714)	1.08	24951(55006)	5115(443928)	1.3	24951(55006)	30-827/19-473

Ratio	Frequency		50 Hz			60Hz			
559 (43 x 13)	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		2.7 R.P.M.			3.2 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	66.2(5742)	1.37	1474(3249)	55.1(4785)	1.64	1474(3249)	02-813/08-559
				2.03	1579(3481)		2.08	1608(3546)	02-814/08-559
0.4	½	05	129(11224)	1.04	1579(3481)	108(9253)	1.07	1608(3546)	05-814/08-559
				1.59	2219(4892)		1.91	2219(4892)	05-816/09-559
				2.36	2967(6540)		2.83	2967(6540)	05-817/09-559
0.75	1	1	253(21978)	1.2	2967(6540)	211(18315)	1.44	2967(6540)	1-817/09-559
				1.92	4185(9227)		2.31	4185(9227)	1-818/10-559
				3.02	5933(13081)		3.63	5933(13081)	1-819/12-559
1.5	2	2	502(43537)	1.53	5933(13081)	418(36281)	1.83	5933(13081)	2-819/12-559
				1.68	8483(18702)		1.9	8483(18702)	2-820/12-559
				2.42	10440(23017)		2.9	10440(23017)	2-821/13-559
2.2	3	3	738(64053)	1.04	5933(13081)	615(53378)	1.24	5933(13081)	3-819/12-559
				1.15	8483(18702)		1.29	8483(18702)	3-820/12-559
				1.64	10440(23017)		1.97	10440(23017)	3-821/13-559
3.7	5	5	1237(107382)	1.26	14536(32046)	1031(89485)	1.51	14536(32046)	5-822/13-559
				1.62	17902(39467)		1.94	17902(39467)	5-823/16-559
				2.04	20980(46253)		2.45	20980(46253)	5-824/16-559
5.5	7.5	8	1829(158750)	1.09	17902(39467)	1524(132292)	1.31	17902(39467)	8-823/16-559
				1.38	20980(46253)		1.66	20980(46253)	8-824/16-559
				1.83	25927(57158)		2.19	25927(57158)	8-825/17-559
7.5	10	10	2487(215860)	1.01	20980(46253)	2072(179884)	1.22	20980(46253)	10-824/16-559
				1.34	25927(57158)		1.61	25927(57158)	10-825/17-559
				1.79	27548(60733)		2.14	27548(60733)	10-826/19-559
11	15	15	3647(316560)	1.22	27548(60733)	3039(263800)	1.46	27548(60733)	15-826/19-559
				1.82	24951(55006)		2.19	24951(55006)	15-827/19-559
15	20	20	4973(431669)	1.34	24951(55006)	4144(359724)	1.6	24951(55006)	20-827/19-559
18.5	25	25	6099(529341)	1.09	24951(55006)	5082(441117)	1.31	24951(55006)	25-827/19-559

Ratio	Frequency		50 Hz			60Hz			
649 (59 x 11)	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		2.3 R.P.M.			2.8 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	76.8(6667)	1.32	1474(3249)	64(5556)	1.58	1474(3249)	02-813/08-649
				1.75	1608(3546)		2.09	1608(3546)	02-814/08-649
				2.67	2219(4892)		3.21	2219(4892)	02-816/09-649
0.4	½	05	150 (13031)	1.37	2219(4892)	125(10859)	1.64	2219(4892)	05-816/09-649
				2.03	2967(6540)		2.44	2967(6540)	05-817/09-649
0.75	1	1	294(25516)	1.04	2967(6540)	245(21263)	1.24	2967(6540)	1-817/09-649
				1.66	4185(9227)		1.99	4175(9205)	1-818/10-649
				2.6	5854(12907)		3.12	5854(12907)	1-819/12-649
1.5	2	2	582(50547)	1.31	5854(12907)	485(42123)	1.58	5854(12907)	2-819/12-649
				1.37	8483(18702)		1.55	8483(18702)	2-820/12-649
				2.08	10440(23017)		2.5	10440(23017)	2-821/13-649
2.2	3	3	857(74366)	1.05	8483(18702)	741(61972)	1.26	8483(18702)	3-820/13-649
				1.42	10440(23017)		1.7	10440(23017)	3-821/13-649
				1.81	14536(32046)		2.17	14536(32046)	3-822/13-649
3.7	5	5	1436(124671)	1.08	14536(32046)	1197(103892)	1.29	14536(32046)	5-822/13-649
				1.39	17902(39467)		1.67	17902(39467)	5-823/16-649
				1.76	20980(46253)		2.11	20980(46253)	5-824/16-649
5.5	7.5	8	2123(184309)	1.19	20980(46253)	1770(153591)	1.43	20980(46253)	8-824/16-649
				1.58	25927(57158)		1.89	25927(57158)	8-825/17-649
				2.09	27548(60733)		2.51	27548(60733)	8-826/19-649
7.5	10	10	2887(250614)	1.16	25927(57158)	2406(208845)	1.39	25927(57158)	10-825/17-649
				1.54	27548(60733)		1.85	27548(60733)	10-826/19-649
				2.3	24951(55006)		2.76	24951(55006)	10-827/19-649
11	15	15	4234(367527)	1.05	27548(60733)	3529(306273)	1.26	27548(60733)	15-826/19-649
				1.57	24951(55006)		1.88	24951(55006)	15-827/19-649
15	20	20	5774(501168)	1.15	24951(55006)	4812(417640)	1.38	24951(55006)	20-827/19-649

Ratio	Frequency		50Hz			60Hz			
731 (43 x 17)	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		2.1 R.P.M.			2.5 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	86.5(7509)	1.05	1474(3249)	72.1(6258)	1.26	1474(3249)	02-813/08-731
				1.55	1579(3481)		1.86	1579(3481)	02-814/08-731
				2.37	2219(4892)		2.85	2219(4892)	02-816/09-731
0.4	½	05	169(14677)	1.21	2219(4892)	141(12231)	1.46	2219 (4892)	05-816/09-731
				1.8	2967(6540)		2.16	2967(6540)	05-817/09-731
				2.88	4185(9227)		3.46	4185(9227)	05-818/10-731
0.75	1	1	331(28740)	1.47	4185 (9227)	276(23950)	1.77	4185(9227)	1-818/10-731
				2.31	5933(13081)		2.77	5933(13081)	1-819/12-731
				2.71	8483(18702)		3.17	8483(18702)	1-820/12-731
1.5	2	2	656(56934)	1.17	5933(13081)	547(47445)	1.4	5933(13081)	2-819/12-731
				1.37	8483(18702)		1.6	8483(18702)	2-820/12-731
				1.85	10440(23017)		2.22	10440(23017)	2-821/13-731
2.2	3	3	965(83762)	1.26	10440(23017)	804(69802)	1.51	10440(23017)	3-821/13-731
				1.61	14536(32046)		1.94	14536(32046)	3-822/13-731
				2.08	17902(39467)		2.49	17902(39467)	3-823/16-731
3.7	5	5	1618(140423)	1.24	17902(39467)	1348(117019)	1.49	17902(39467)	5-823/16-731
				1.56	20980(46253)		1.87	20980(46253)	5-824/16-731
				2.07	25927(57158)		2.48	25927(57158)	5-825/17-731
5.5	7.5	8	2392(207596)	1.05	20980(46253)	1993(172997)	1.27	20980(46253)	8-824/16-731
				1.4	25927(57158)		1.68	25927(57158)	8-825/17-731
				1.86	27548(60733)		2.23	27548(60733)	8-826/19-731
7.5	10	10	3252(282279)	1.03	25927(57158)	2710(235232)	1.23	25927(57158)	10-825/17-731
				1.37	27548(60733)		1.64	27548(60733)	10-826/19-731
				2.04	24951(55006)		2.45	24951(55006)	10-827/19-731
11	15	15	4769(413964)	1.39	24951(55006)	3974 (344970)	1.67	24951(55006)	15-827/19-731

Ratio	Frequency		50Hz			60Hz			
841 (29 x 29)	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		1.8 R.P.M.			2.1 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	99.5(8639)	1.35	1589(3502)	82.9(7199)	1.47	1608(3546)	02-814/08-841
				2.06	2219(4892)		2.48	2219(4892)	02-816/09-841
				3.06	2967(6540)		3.67	2967(6540)	02-817/09-841
0.4	½	05	195(16886)	1.06	2219(4892)	162(14071)	1.27	2219(4892)	05-816/09-841
				1.57	2967(6540)		1.88	2967(6540)	05-817/09-841
				2.5	4185(9227)		3	4185(9227)	05-818/10-841
0.75	1	1	381(33065)	1.28	4185(9227)	317(27554)	1.53	4185(9227)	1-818/10-841
				2.01	5933(13081)		2.41	5933(13081)	1-819/12-841
				2.34	8483(18702)		2.81	8483(18702)	1-820/12-841
1.5	2	2	755(65501)	1.01	5933(13081)	629(54584)	1.22	5933(13081)	2-819/12-841
				1.18	8483(18702)		1.42	8483(18702)	2-820/12-841
				1.61	10440(23017)		1.93	10440(23017)	2-821/13-841
2.2	3	3	1110(96367)	1.09	10440(23017)	925(80305)	1.31	10440(23017)	3-821/13-841
				1.32	14536(32046)		1.58	14536(32046)	3-822/13-841
				1.67	17902(39467)		2	17902(39467)	3-823/16-841
3.7	5	5	*1849 (160515)	<1	17902(39467)	1551(134628)	1.19	17902(39467)	5-823/16-841
			1861 (161553)	1.36	20980(46253)		1.63	20980(46253)	5-824/16-841
				1.69	25927(57158)		2.03	25927(57158)	5-825/17-841
5.5	7.5	8	2752(238835)	1.14	25927(57158)	2293(199029)	1.37	25927(57158)	8-825/17-841
				1.61	27548(60733)		1.94	27548(60733)	8-826/19-841
7.5	10	10	3742(324756)	1.19	27548(60733)	3118(270630)	1.42	27548(60733)	10-826/19-841
				1.78	24951(55006)		2.13	24951(55006)	10-827/19-841
11	15	15	5487(476256)	1.21	24951(55006)	4573 (396880)	1.45	24951(55006)	15-827/19-841

Ratio	Frequency		50Hz			60Hz			
1003 (59 x 17)	Input Speed		1500 R.P.M.			1800 R.P.M.			
	Output Speed		1.5 R.P.M.			1.8 R.P.M.			
Motor			Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	S.F.	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
KW	HP	SYMBOL							
0.2	¼	02	119(10303)	1.13	1608(3546)	98.9(8586)	1.36	1608(3546)	02-814/08-1003
			119(10303)	1.73	2219(4892)	98.9(8586)	2.08	2219(4892)	02-816/09-1003
			119(10303)	2.57	2967(6540)	98.9(8586)	3.08	2967(6540)	02-817/09-1003
0.4	½	05	232(20138)	1.31	2967(6540)	193(16782)	1.58	2967(6540)	05-817/09-1003
			232(20138)	2.1	4175(9205)	193(16782)	2.52	4175(9205)	05-818/10-1003
0.75	1	1	454(39434)	1.07	4175(9205)	379(32861)	1.29	4175(9205)	1-818/10-1003
			454(39434)	1.68	5854(12907)	379(32861)	2.02	5854(12907)	1-819/12-1003
			454(39434)	1.97	8483(18702)	379(32861)	2.31	8483(18702)	1-820/12-1003
1.5	2	2	900(78118)	1	8483(18702)	750(65099)	1.16	8483(18702)	2-820/12-1003
			900(78118)	1.35	10440(23017)	750(65099)	1.62	10440(23017)	2-821/13-1003
			900(78118)	1.72	14536(32046)	750(65099)	2.06	14536(32046)	2-822/13-1003
2.2	3	3	1324(114929)	1.17	14536(32046)	1103(95774)	1.4	14536(32046)	3-822/13-1003
			1324(114929)	1.51	17902(39467)	1103(95774)	1.81	17902(39467)	3-823/16-1003
			1324(114929)	1.91	20980(46253)	1103(95774)	2.29	20980(46253)	3-824/16-1003
3.7	5	5	2220(192673)	1.14	20980(46253)	1850(160561)	1.36	20980(46253)	5-824/16-1003
			2220(192673)	1.51	25927(57158)	1850(160561)	1.81	25927(57158)	5-825/17-1003
5.5	7.5	8	3282(284841)	1.02	25927(57158)	2735(237368)	1.22	25927(57158)	8-825/17-1003
			3282(284841)	1.35	27548(60733)	2735(237368)	1.62	27548(60733)	8-826/19-1003
7.5	10	10	*4439 (385329)	<1	27548(60733)	3719(322761)	1.19	27548(60733)	10-826/19-1003
			4462(387313)	1.49	24951(55006)	3719(322761)	1.79	24951(55006)	10-827/19-1003
11	15	15	6544(567997)	1.02	24951(55006)	5453(473330)	1.22	24951(55006)	15-827/19-1003

SELECTION TABLE WITH 4 POLE HIGH SPEED RATIO MOTOR

Ratio	Frequency	50Hz		60Hz		
1247 (43 x 29)	Input Speed	1500 R.P.M.		1800 R.P.M.		
	Output Speed	1.2 R.P.M.		1.4 R.P.M.		
Frame Number		Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
807		2.94 (255)	118 (260)	2.94 (255)	118 (260)	02-807/07-1247
808		5.84 (507)	166 (366)	5.84 (507)	166 (366)	02-808/07-1247
809		19.5 (1691)	324 (714)	19.5 (1691)	324 (714)	02-809/08-1247
810		29.2 (2531)	542 (1194)	29.2 (2531)	542 (1194)	02-810/08-1247
812		60.8 (5278)	983 (2168)	60.8 (5278)	983 (2168)	02-812/08-1247
813		90.5 (7857)	1474 (3249)	90.5 (7857)	1474 (3249)	02-813/08-1247
814		134 (11638)	1579 (3481)	123 (10675)	1579 (3481)	02-814/08-1247
816		205 (17826)	2219 (4892)	205 (17826)	2219 (4892)	05-816/09-1247
817		305 (26446)	2967 (6540)	305 (26446)	2967 (6540)	1-817/09-1247
818		487 (42282)	4185 (9227)	471 (40856)	4185 (9227)	1-818/10-1247
819		765 (66400)	5933 (13081)	765 (66400)	5933 (13081)	2-819/12-1247
820		897 (77872)	8483 (18702)	897 (77872)	8483 (18702)	2-820/12-1247
821		1213 (105262)	10440 (23017)	1213 (105262)	10440 (23017)	3-821/13-1247
822		1558 (135190)	14536 (32046)	1372 (119074)	14536 (32046)	3-822/13-1247
823		2003 (173822)	17902 (39467)	2003 (173822)	17902 (39467)	5-823/16-1247
824		2523 (219009)	20980 (46253)	2300 (199620)	20980 (46253)	5-824/16-1247
825		3345 (290323)	25927 (57158)	3345 (290323)	25927 (57158)	8-825/17-1247
826		4439 (385329)	27548 (60733)	4439 (385329)	27548 (60733)	10-826/19-1247
827		6644 (576681)	24951 (55006)	6644 (576681)	24951 (55006)	15-827/19-1247

Ratio	Frequency	50Hz		60Hz		
1479 (87 x 17)	Input Speed	1500 R.P.M.		1800 R.P.M.		
	Output Speed	1.0 R.P.M.		1.2 R.P.M.		
Frame Number		Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
809		18.7 (1624)	326 (719)	18.7 (1624)	326 (719)	02-809/08-1479
810		29.2 (2531)	481 (1059)	29.2 (2531)	481 (1059)	02-810/08-1479
812		60.8 (5278)	958 (2111)	60.8 (5278)	958 (2111)	02-812/08-1479
813		94.3 (8185)	1474 (3249)	94.3 (8185)	1474 (3249)	02-813/08-1479
814		122 (10558)	1608 (3546)	122 (10558)	1608 (3546)	02-814/08-1479
816		201 (17410)	2189 (4827)	201 (17410)	2189 (4847)	05-816/09-1479
817		305 (26446)	2967 (6540)	285 (24746)	2967 (6540)	05-817/09-1479
818		487 (42282)	4185 (9227)	487 (42282)	4185 (9227)	1-818/10-1479
819		765 (66400)	5874 (12950)	765 (66400)	5874 (12950)	2-819/12-1479
820		845 (73354)	8483 (18702)	807 (70068)	8483 (18702)	2-820/12-1479
821		1081 (93838)	10440 (23017)	1081 (93838)	10440 (23017)	2-821/13-1479
822		1472 (127726)	14536 (32046)	1472 (127726)	14536 (32046)	3-822/13-1479
823		1677 (145544)	17902 (39467)	1627 (141227)	17902 (39467)	3-823/16-1479
824		2216 (192362)	20980 (46253)	1677 (145544)	20980 (46253)	5-824/16-1479
825		3003 (260631)	25927 (57158)	2728 (236759)	25927 (57158)	5-825/17-1479
826		4250 (368897)	27548 (60733)	4033 (350017)	27548 (60733)	8-826/19-1479
827		6580 (571122)	24655 (54354)	5483 (475934)	24655 (54354)	10-827/19-1479

- For model with S.F. <1 in the selection table it is recommended to use it with a Torque Limiter.

Ratio	Frequency	50Hz		60Hz		
1849 (43 x 43)	Input Speed	1500 R.P.M.		1800 R.P.M.		
	Output Speed	0.81 R.P.M.		0.97 R.P.M.		
Frame Number		Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
807		2.94 (255)	118 (260)	2.94 (255)	118 (260)	02-807/07-1849
808		5.84 (507)	166 (366)	5.84 (507)	166 (366)	02-808/07-1849
809		19.5 (1691)	324 (714)	19.5 (1691)	324 (714)	02-809/08-1849
810		29.2 (2531)	542 (1194)	29.2 (2531)	542 (1194)	02-810/08-1849
812		60.8 (5278)	983 (2168)	60.8 (5278)	983 (2168)	02-812/08-1849
813		90.5 (7857)	1474 (3249)	90.5 (7857)	1474 (3249)	02-813/08-1849
814		134 (11638)	1579 (3481)	134 (11638)	1579 (3481)	02-814/08-1849
816		205 (17826)	2219 (4892)	182 (15828)	2219 (4892)	02-816/09-1849
817		305 (26446)	2967 (6540)	305 (26446)	2967 (6540)	05-817/09-1849
818		487 (42282)	4185 (9227)	487 (42282)	4185 (9227)	1-818/10-1849
819		765 (66400)	5933 (13081)	698 (60579)	5933 (13081)	1-819/12-1849
820		897 (77872)	8483 (18702)	897 (77872)	8483 (18702)	2-820/12-1849
821		1213 (105262)	10440 (23017)	1213 (105262)	10440 (23017)	2-821/13-1849
822		1558 (135190)	14536 (32046)	1383 (120007)	14536 (32046)	2-822/13-1849
823		2003 (173822)	17902 (39467)	2003 (173822)	17902 (39467)	3-823/16-1849
824		2441 (211869)	20980 (46253)	2034 (176557)	20980 (46253)	3-824/16-1849
825		3345 (290323)	25927 (57158)	3345 (290323)	25927 (57158)	5-825/17-1849
826		4439 (385329)	27548 (60733)	4439 (385329)	27548 (60733)	8-826/19-1849
827		6644 (576681)	24951 (55006)	6644 (576681)	24951 (55006)	10-827/19-1849

Ratio	Frequency	50Hz		60Hz		
2065 (59 x 35)	Input Speed	1500 R.P.M.		1800 R.P.M.		
	Output Speed	0.73 R.P.M.		0.87 R.P.M.		
Frame Number		Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
808		5.58 (485)	158 (349)	5.58 (485)	158 (349)	02-808/07-2065
809		14.2 (1235)	332 (732)	14.2 (1235)	332 (732)	02-809/08-2065
810		28.8 (2498)	511 (1127)	28.8 (2498)	511 (1127)	02-810/08-2065
812		60.8 (5278)	983 (2168)	60.8 (5278)	983 (2168)	02-812/08-2065
813		101 (8776)	1500 (3307)	101 (8776)	1500 (3307)	02-813/08-2065
814		134 (11638)	1630 (3594)	134 (11638)	1630 (3594)	02-814/08-2065
816		205 (17826)	2250 (4960)	204 (17677)	2250 (4960)	02-816/09-2065
817		305 (26446)	3010 (6636)	305 (26446)	3010 (6636)	05-817/09-2065
818		478 (41461)	4175 (9205)	398 (34551)	4175 (9205)	05-818/10-2065
819		765 (66400)	5854 (12907)	765 (66400)	5854 (12907)	1-819/12-2065
820		897 (77872)	8483 (18702)	897 (77872)	8483 (18702)	2-820/12-2065
821		1213 (105262)	10440 (23017)	1213 (105262)	10440 (23017)	2-821/13-2065
822		1548 (134361)	14536 (32046)	1544 (134026)	14536 (32046)	2-822/13-2065
823		2003 (173822)	17902 (39467)	2003 (173822)	17902 (39467)	3-823/16-2065
824		2523 (219009)	20980 (46253)	2272 (197183)	20980 (46253)	3-824/16-2065
825		3345 (290323)	25927 (57158)	3345 (290323)	25927 (57158)	5-825/17-2065
826		4439 (385329)	27548 (60733)	4439 (385329)	27548 (60733)	8-826/19-2065
827		6644 (576681)	24951 (55006)	6644 (488698)	24951 (55006)	10-827/19-2065

* For model with S.F. <1 in the selection table it is recommended to use it with a Torque Limiter.

Ratio	Frequency	50Hz		60Hz		
2537 (59 x 43)	Input Speed	1500 R.P.M.		1800 R.P.M.		
	Output Speed	0.59 R.P.M.		0.71 R.P.M.		
Frame Number		Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
808		5.58 (485)	158 (349)	5.58 (485)	158 (349)	02-808/07-2537
809		14.2 (1235)	332 (732)	14.2 (1235)	332 (732)	02-809/08-2537
810		28.8 (2498)	511 (1127)	28.8 (2498)	511 (1127)	02-810/08-2537
812		60.8 (5278)	983 (2168)	60.8 (5278)	983 (2168)	02-812/08-2537
813		101 (8776)	1500 (3307)	101 (8776)	1500 (3307)	02-813/08-2537
814		134 (11638)	1630 (3594)	134 (11638)	1630 (3594)	02-814/08-2537
816		205 (17826)	2250 (4960)	205 (17826)	2250 (4960)	02-816/09-2537
817		305 (26446)	3010 (6636)	305 (26446)	3010 (6636)	05-817/09-2537
818		487 (42282)	4175 (9205)	489 (42449)	4175 (9205)	05-818/10-2537
819		765 (66400)	5854 (12907)	765 (66400)	5854 (12907)	1-819/12-2537
820		897 (77872)	8483 (18702)	897 (77872)	8483 (18702)	1-820/12-2537
821		1213 (105262)	10440 (23017)	1213 (105262)	10440 (23017)	2-821/13-2537
822		1548 (134361)	14536 (32046)	1548 (134361)	14536 (32046)	2-822/13-2537
823		2003 (173822)	17902 (39467)	1897 (164661)	17902 (39467)	2-823/16-2537
824		2523 (219009)	20980 (46253)	2523 (219009)	20980 (46253)	3-824/16-2537
825		3345 (290323)	25927 (57158)	3345 (290323)	25927 (57158)	5-825/17-2537
826		4439 (385329)	27548 (60733)	4439 (385329)	27548 (60733)	8-826/19-2537
827		6644 (576681)	24951 (55006)	6644 (576681)	24951 (55006)	10-827/19-2537

Ratio	Frequency	50Hz		60Hz		
3045 (87 x 35)	Input Speed	1500 R.P.M.		1800 R.P.M.		
	Output Speed	0.49 R.P.M.		0.59 R.P.M.		
Frame Number		Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
809		18.7 (1624)	326 (719)	18.7 (1624)	326 (719)	02-809/08-3045
810		29.2 (2531)	481 (1059)	29.2 (2531)	481 (1059)	02-810/08-3045
812		60.8 (5278)	958 (2111)	60.8 (5278)	958 (2111)	02-812/08-3045
813		94.3 (8185)	1474 (3249)	94.3 (8185)	1474 (3249)	02-813/08-3045
814		122 (10558)	1608 (3546)	122 (10558)	1608 (3546)	02-814/08-3045
816		201 (17410)	2189 (4827)	201 (17410)	2189 (4827)	02-816/09-3045
817		305 (26446)	2967 (6540)	300 (26067)	2967 (6540)	02-817/09-3045
818		487 (42282)	4185 (9227)	487 (42282)	4185 (9227)	05-818/10-3045
819		765 (66400)	5874 (12950)	765 (66400)	5874 (12950)	1-819/12-3045
820		845 (73354)	8483 (18702)	845 (73354)	8483 (18702)	1-820/12-3045
821		1081 (93838)	10440 (23017)	1081 (93838)	10440 (23017)	1-821/13-3045
822		1472 (127726)	14536 (32046)	1472 (127726)	14536 (32046)	2-822/13-3045
823		1677 (145544)	17902 (39467)	1677(145544)	17902 (39467)	2-823/16-3045
824		2216 (192362)	20980 (46253)	2216 (192362)	20980 (46253)	2-824/16-3045
825		3003 (260631)	25927 (57158)	3003 (260631)	25927 (57158)	5-825/17-3045
826		4250 (368897)	27548 (60733)	4250 (368897)	27548 (60733)	8-826/19-3045
827		6644 (576681)	24655 (54354)	6644 (576681)	24655 (54354)	10-827/19-3045

* For model with S.F. <1 in the selection table it is recommended to use it with a Torque Limiter.

Ratio	Frequency	50Hz		60Hz		
3481 (59 x 59)	Input Speed	1500 R.P.M.		1800 R.P.M.		
	Output Speed	0.43 R.P.M.		0.52 R.P.M.		
Frame Number		Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
809		14.2 (1235)	332 (732)	14.2 (1235)	332 (732)	02-809/08-3481
810		28.8 (2498)	511 (1127)	28.8 (2498)	511 (1127)	02-810/08-3481
812		60.8 (5278)	983 (2168)	60.8 (5278)	983 (2168)	02-812/08-3481
813		101 (8776)	1500 (3307)	101 (8776)	1500 (3307)	02-813/08-3481
814		134 (11638)	1630 (3594)	134 (11638)	1630 (3594)	02-814/08-3481
816		205 (17826)	2250 (4960)	205 (17826)	2250 (4960)	02-816/09-3481
817		305 (26446)	3010 (6636)	305 (26446)	3010 (6636)	02-817/09-3481
818		487 (42282)	4175 (9205)	487 (42282)	4175 (9205)	05-818/10-3481
819		765 (66400)	5854 (12907)	671 (58243)	5854 (12907)	05-819/12-3481
820		897 (77872)	8483 (18702)	897 (77872)	8483 (18702)	1-820/12-3481
821		1213 (105262)	10440 (23017)	1213 (105262)	10440 (23017)	1-821/13-3481
822		1548 (134361)	14536 (32046)	1314 (114049)	14536 (32046)	1-822/13-3481
823		2003 (173822)	17902 (39467)	2003 (173822)	17902 (39467)	2-823/16-3481
824		2523 (219009)	20980 (46253)	2523 (219009)	20980 (46253)	2-824/16-3481
825		3345 (290323)	25927 (57158)	3345 (290323)	25927 (57158)	5-825/17-3481
826		4439 (385329)	27548 (60733)	4439 (385329)	27548 (60733)	8-826/19-3041
827		6644 (576681)	24951 (55006)	6644 (576681)	24951 (55006)	10-827/19-3481

Ratio	Frequency	50Hz		60Hz		
4437 (87 x 51)	Input Speed	1500 R.P.M.		1800 R.P.M.		
	Output Speed	0.34 R.P.M.		0.41 R.P.M.		
Frame Number		Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
809		18.7 (1624)	326 (719)	18.7 (1624)	326 (719)	02-809/08-4437
810		29.2 (2531)	481 (1059)	29.2 (2531)	481 (1059)	02-810/08-4437
812		60.8 (5278)	958 (2111)	60.8 (5278)	958 (2111)	02-812/08-4437
813		94.3 (8185)	1474 (3249)	94.3 (8185)	1474 (3249)	02-813/08-4437
814		122 (10558)	1608 (3546)	122 (10558)	1608 (3546)	02-814/08-4437
816		201 (17410)	2189 (4827)	201 (17410)	2189 (4847)	02-816/09-4437
817		305 (26446)	2967 (6540)	305(26446)	2967 (6540)	02-817/09-4437
818		487 (42282)	4185 (9227)	487 (42282)	4185 (9227)	05-818/10-4437
819		765 (66400)	5874 (12950)	765 (66400)	5874 (12950)	05-819/12-4437
820		845 (73354)	8483 (18702)	845 (73354)	8483 (18702)	05-820/12-4437
821		1081 (93838)	10440 (23017)	1081 (93838)	10440 (23017)	1-821/13-4437
822		1472 (127726)	14536 (32046)	1472 (127726)	14536 (32046)	1-822/13-4437
823		1677 (145544)	17902 (39467)	1677 (145544)	17902 (39467)	2-823/16-4437
824		2216 (192362)	20980 (46253)	2216 (192362)	20980 (46253)	2-824/16-4437
825		3003 (260631)	25927 (57158)	3003 (260631)	25927 (57158)	5-825/17-4437
826		4250 (368897)	27548 (60733)	4250 (368897)	27548 (60733)	8-826/19-4437
827		6644 (576681)	24655 (54354)	6644 (576681)	24655 (54354)	10-827/19-4437

* For model with S.F. <1 in the selection table it is recommended to use it with a Torque Limiter.

Ratio	Frequency	50Hz		60Hz		
5133 (87 x 59)	Input Speed	1500 R.P.M.		1800 R.P.M.		
	Output Speed	0.29 R.P.M.		0.35 R.P.M.		
Frame Number		Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
809		18.7 (1624)	326 (719)	18.7 (1624)	326 (719)	02-809/08-5133
810		29.2 (2531)	481 (1059)	29.2 (2531)	481 (1059)	02-810/08-5133
812		60.8 (5278)	958 (2111)	60.8 (5278)	958 (2111)	02-812/08-5133
813		94.3 (8185)	1474 (3249)	94.3 (8185)	1474 (3249)	02-813/08-5133
814		122 (10558)	1608 (3546)	122 (10558)	1608 (3546)	02-814/08-5133
816		201 (17410)	2189 (4827)	201 (17410)	2189 (4847)	02-816/09-5133
817		305 (26446)	2967 (6540)	305 (26446)	2967 (6540)	02-817/09-5133
818		487 (42282)	4185 (9227)	487 (42282)	4185 (9227)	05-818/10-5133
819		765 (66400)	5874 (12950)	765 (66400)	5874 (12950)	05-819/12-5133
820		897 (77872)	8483 (18702)	897 (77872)	8483 (18702)	05-820/12-5133
821		1213 (105262)	10440 (23017)	1213 (105262)	10440 (23017)	1-821/13-5133
822		1548 (134361)	14536 (32046)	1548 (134361)	14536 (32046)	1-822/13-5133
823		2003 (173822)	17902 (39467)	2003 (173822)	17902 (39467)	2-823/16-5133
824		2523 (219009)	20980 (46253)	2523 (219009)	20980 (46253)	2-824/16-5133
825		3345 (290323)	25927 (57158)	3345 (290323)	25927 (57158)	5-825/17-5133
826		4439 (385329)	27548 (60733)	4439 (385329)	27548 (60733)	8-826/19-5133
827		6644 (576681)	24655 (54354)	6644 (576681)	24655 (54354)	10-827/19-5133

Ratio	Frequency	50Hz		60Hz		
6177 (87 x 71)	Input Speed	1500 R.P.M.		1800 R.P.M.		
	Output Speed	0.24 R.P.M.		0.29 R.P.M.		
Frame Number		Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
812		60.8 (5278)	958 (2111)	60.8 (5278)	958 (2111)	02-812/09-6177
813		94.3 (8185)	1474 (3249)	94.3 (8185)	1474 (3249)	02-813/09-6177
814		122 (10558)	1608 (3546)	122 (10558)	1608 (3546)	02-814/09-6177
816		201 (17410)	2189 (4827)	201 (17410)	2189 (4827)	02-816/09-6177
817		305 (26446)	2967 (6540)	305 (26446)	2967 (6540)	02-817/09-6177
818		487 (42282)	4185 (9227)	487 (42282)	4185 (9227)	05-818/10-6177
819		765 (66400)	5874 (12950)	765 (66400)	5874 (12950)	05-819/12-6177
820		845 (73354)	8483 (18702)	845 (73354)	8483 (18702)	05-820/12-6177
821		1081 (93838)	10440 (23017)	1081 (93838)	10440 (23017)	1-821/13-6177
822		1472 (127726)	14536 (32046)	1472 (127726)	14536 (32046)	1-822/13-6177
823		1677 (145544)	17902 (39467)	1677 (145544)	17902 (39467)	2-823/16-6177
824		2216 (192362)	20980 (46253)	2216 (192362)	20980 (46253)	2-824/16-6177
825		3003 (260631)	25927 (57158)	3003 (260631)	25927 (57158)	5-825/17-6177
826		4250 (368897)	27548 (60733)	4250 (368897)	27548 (60733)	8-826/19-6177
827		6644 (576681)	24655 (54354)	6644 (576681)	24655 (54354)	10-827/19-6177

* For model with S.F. <1 in the selection table it is recommended to use it with a Torque Limiter.

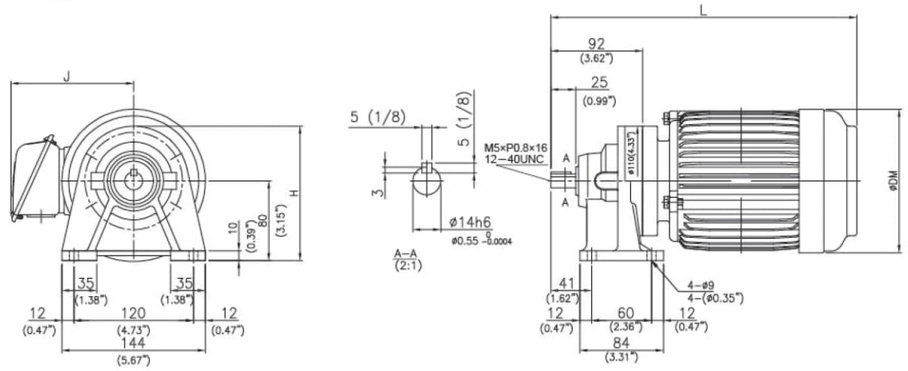
Ratio	Frequency	50Hz		60Hz		
7569 (87 x 87)	Input Speed	1500 R.P.M.		1800 R.P.M.		
	Output Speed	0.20 R.P.M.		0.24 R.P.M.		
Frame Number		Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	Output Torque Kgf.m (in.lbf)	Allowable Output Shaft Overhung Load Kgf (ibf)	TRANSCYKO MODEL
812		60.8 (5278)	958 (2111)	60.8 (5278)	958 (2111)	02-812/09-7569
813		94.3 (8185)	1474 (3249)	94.3 (8185)	1474 (3249)	02-813/09-7569
814		122 (10558)	1608 (3546)	122 (10558)	1608 (3546)	02-814/09-7569
816		201 (17410)	2189 (4827)	201 (17410)	2189 (4847)	02-816/09-7569
817		305 (26446)	2967 (6540)	305 (26446)	2967 (6540)	02-817/09-7569
818		487 (42282)	4185 (9227)	487 (42282)	4185 (9227)	05-818/10-7569
819		765 (66400)	5874 (12950)	765 (66400)	5874 (12950)	05-819/12-7569
820		845 (73354)	8483 (18702)	845 (73354)	8483 (18702)	05-820/12-7569
821		1081 (93838)	10440 (23017)	1081 (93838)	10440 (23017)	1-821/13-7569
822		1472 (127726)	14536 (32046)	1472 (127726)	14536 (32046)	1-822/13-7569
823		1677 (145544)	17902 (39467)	1677 (145544)	17902 (39467)	2-823/16-7569
824		2216 (192362)	20980 (46253)	2216 (192362)	20980 (46253)	2-824/16-7569
825		3003 (260631)	25927 (57158)	3003 (260631)	25927 (57158)	5-825/17-7569
826		4250 (368897)	27548 (60733)	4250 (368897)	27548 (60733)	8-826/19-7569
827		6644 (576681)	24655 (54354)	6644 (576681)	24655 (54354)	10-827/19-7569

* For model with S.F. <1 in the selection table it is recommended to use it with a Torque Limiter.

DIMENSION DRAWINGS

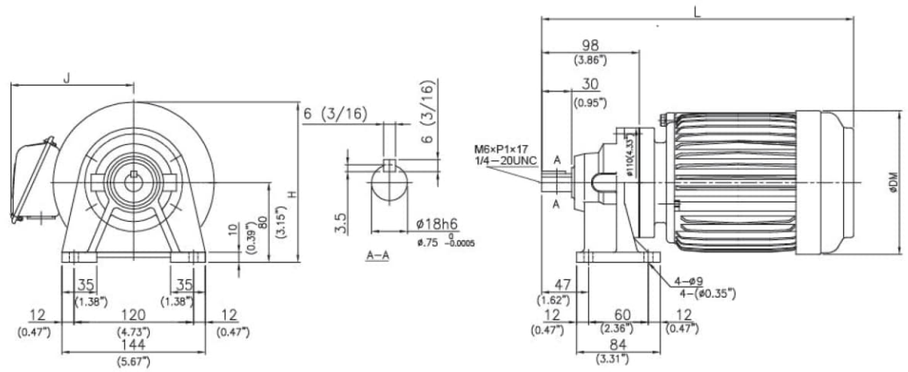
For Single Stage Reduction, Horizontal TRANSCYKO Gearmotor

THM-807



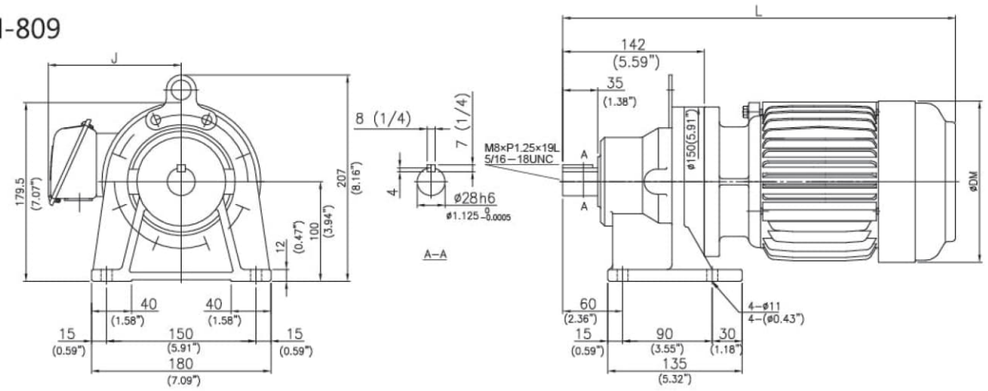
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THM02 – 807	307	123	144	135	12	12.1	4.85	5.68	5.32	26.4
0.4	½	4	THM05 – 807	330.5	133	161	135	14	13.02	5.25	6.36	5.32	30.8

THM-808



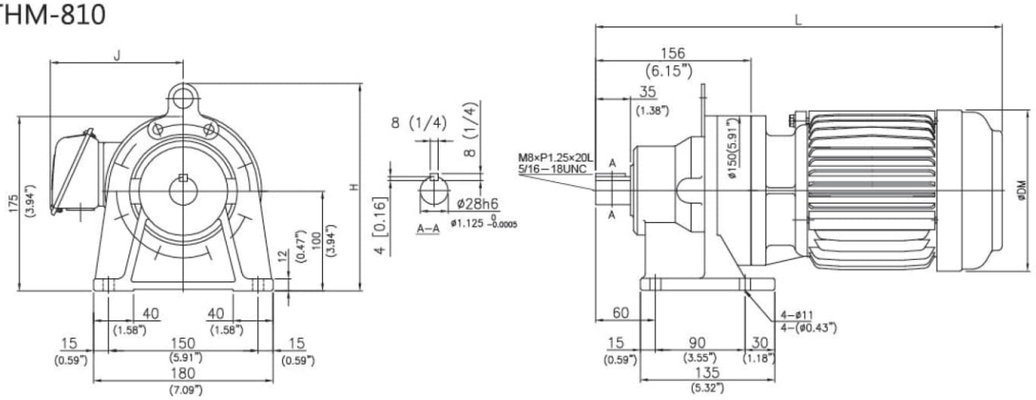
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THM02 – 808	313	123	144	152	12	12.33	4.85	5.68	5.99	26.4
0.4	½	4	THM05 – 808	336.5	133.3	161	161	14	13.26	5.25	6.36	6.33	30.8

THM-809



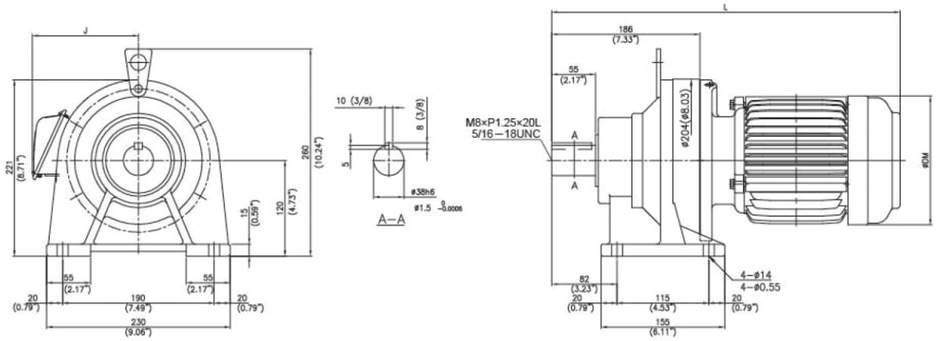
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THM02 – 809	370.5	123	144		19	14.6	4.85	5.68		41.8
0.4	½	4	THM05 – 809	394	133	162	207	23	15.52	5.26	6.36	8.16	50.7
0.75	1	4	THM1 – 809	400	144.2	176.5		27	15.76	5.68	6.95		59.5

THM-810



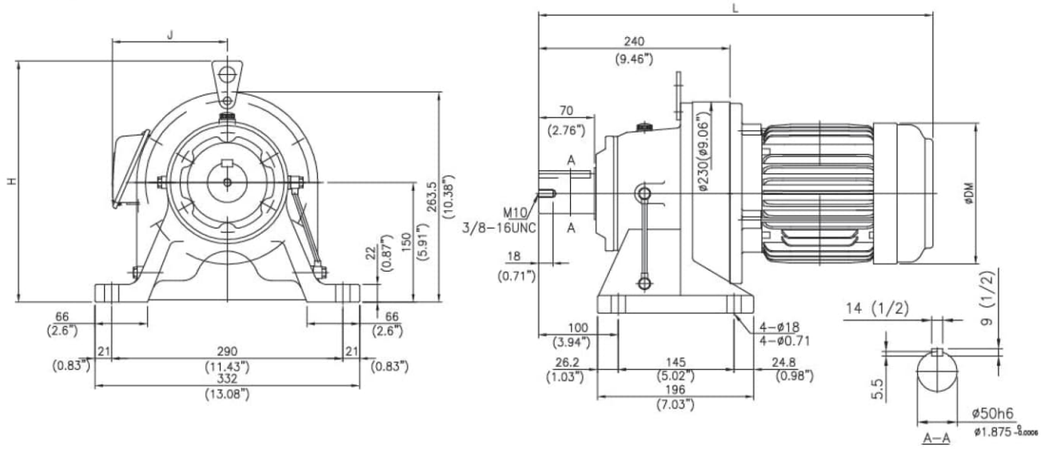
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	THM05 – 810	407.9	133	162		25	16.07	5.25	6.36		55.1
0.75	1	4	THM1 – 810	405	144	176.5	208	29	15.96	5.68	6.95	8.2	63.9
1.5	2	4	THM2 – 810	442	157	196.5		37	17.41	6.19	7.74		81.5
2.2	3	4	THM3 – 810	470	199	218.9		47	18.52	7.84	8.62		103.6

THM-812



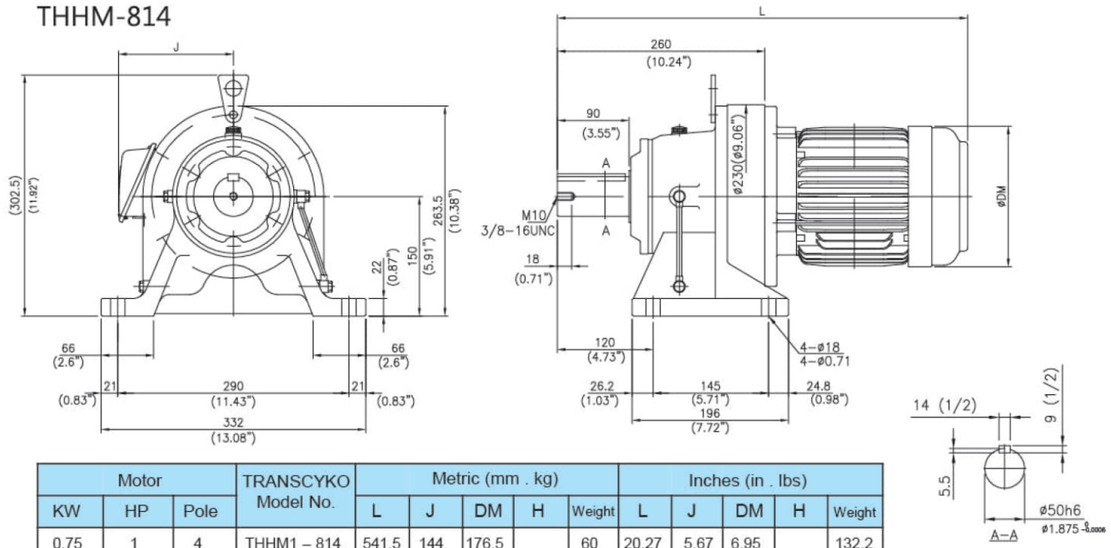
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	THM05 – 812	437	133	162		35	17.22	5.25	6.36		77.2
0.75	1	4	THM1 – 812	444.5	144	177		40	17.51	5.67	6.95		88.2
1.5	2	4	THM2 – 812	481.5	157	196.5	260	49	18.97	6.19	7.74	10.24	108
2.2	3	4	THM3 – 812	508	180	219		58	20.02	7.07	8.62		127.8
3.7	5	4	THM5 – 812	522.5	210	234.9		67	20.59	8.27	9.26		144.7

THHM-813



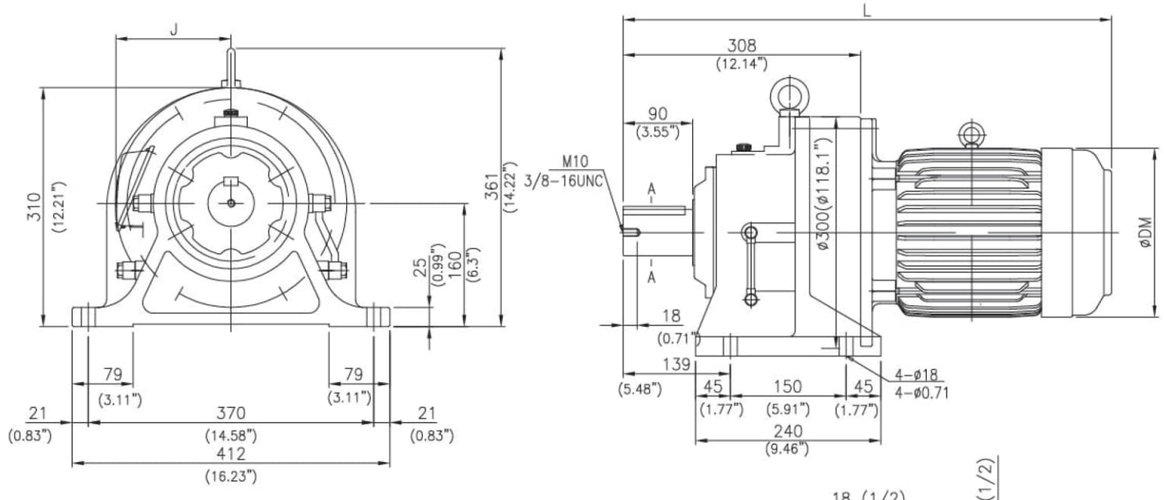
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1 – 813	494.5	144	176.5		59	19.5	5.67	6.95		130
1.5	2	4	THHM2 – 813	534.5	157	196		67	21.06	6.19	7.74		147.7
2.2	3	4	THHM3 – 813	562.5	180	219		79	22.16	7.07	8.62		174.2
3.7	5	4	THHM5 – 813	579	189	235	302.5	88	22.81	7.46	9.26	11.92	194
5.5	8	4	THHM8 – 813	621.5	225	273		104	24.49	8.87	10.75		229.3
7.5	10	4	THHM10 – 813	659.5	225	273		116	25.98	8.87	10.75		255.7

THHM-814



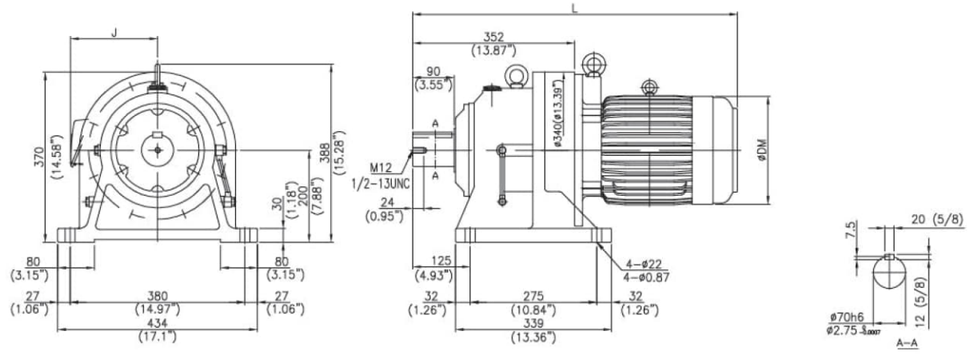
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1 – 814	541.5	144	176.5		60	20.27	5.67	6.95		132.2
1.5	2	4	THHM2 – 814	554.5	157	196		68	21.85	6.19	7.74		149.9
2.2	3	4	THHM3 – 814	582.5	180	219		80	22.95	7.07	8.62		176.4
3.7	5	4	THHM5 – 814	599	189	235	302.5	89	23.6	7.46	9.26	11.92	196.2
5.5	8	4	THHM8 – 814	641.5	224	273		104	25.28	8.83	10.75		229.3
7.5	10	4	THHM10 – 814	679.5	263	273		116	26.77	10.37	10.75		255.7

THHM-816



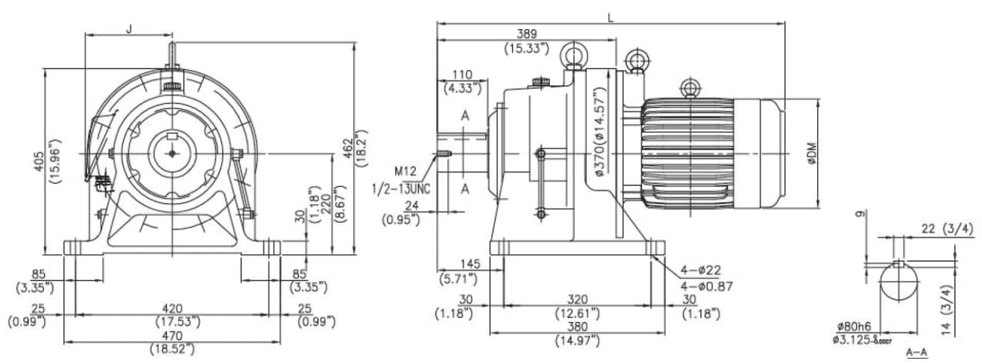
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
1.5	2	4	THHM2 – 816	634	150	219		109	24.96	5.89	8.62		240.3
2.2	3	4	THHM3 – 816	633.5	180	219		120	24.96	7.07	8.62		264.6
3.7	5	4	THHM5 – 816	650	211	235		129	25.61	8.31	9.26		284.4
5.5	8	4	THHM8 – 816	683	249	273	361	145	26.91	9.81	10.75	14.22	319.7
7.5	10	4	THHM10 – 816	721	224	273		157	28.41	8.83	10.75		346.1
11	15	4	THHM15 – 816	804	263	317		189	31.68	10.35	12.48		416.7
15	20	4	THHM20 – 816	848	263	317		208	33.41	10.35	12.48		458.6

THHM-817



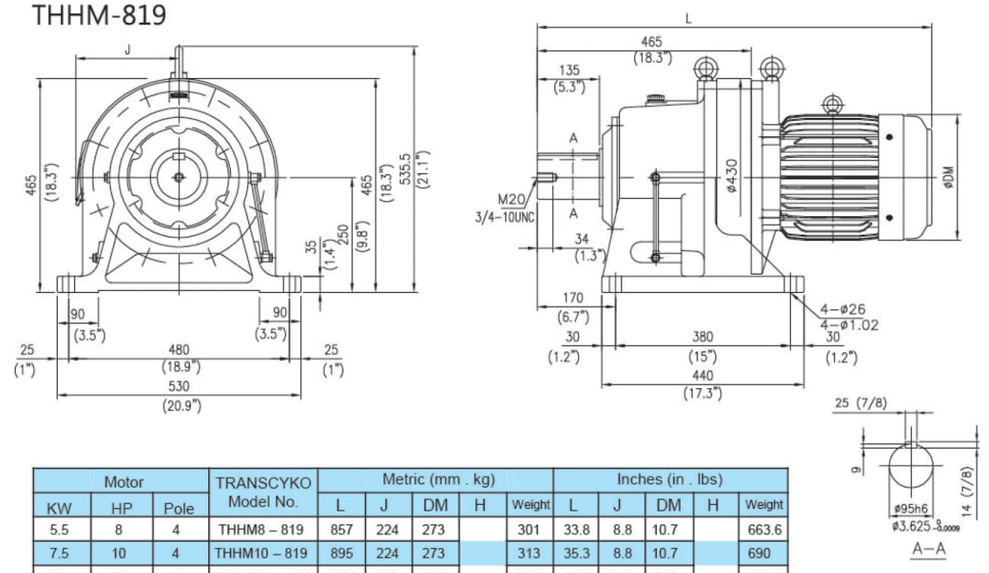
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	THHM5 – 817	706	189	235		172	27.82	7.46	9.26		379.2
5.5	8	4	THHM8 – 817	739	224	273		189	29.12	8.83	10.75		416.7
7.5	10	4	THHM10 – 817	777	224	273		200	30.61	8.83	10.75		440.9
11	15	4	THHM15 – 817	848	263	317	388	220	33.41	10.34	12.47	15.28	485
15	20	4	THHM20 – 817	892	263	316		235	35.14	10.34	12.46		518.1
18.5	25	4	THHM25 – 817	914	304	382		303	36.02	11.98	15.05		668
22	30	4	THHM30 – 817	956	304	382		315	37.67	11.98	15.05		694.5

THHM-818



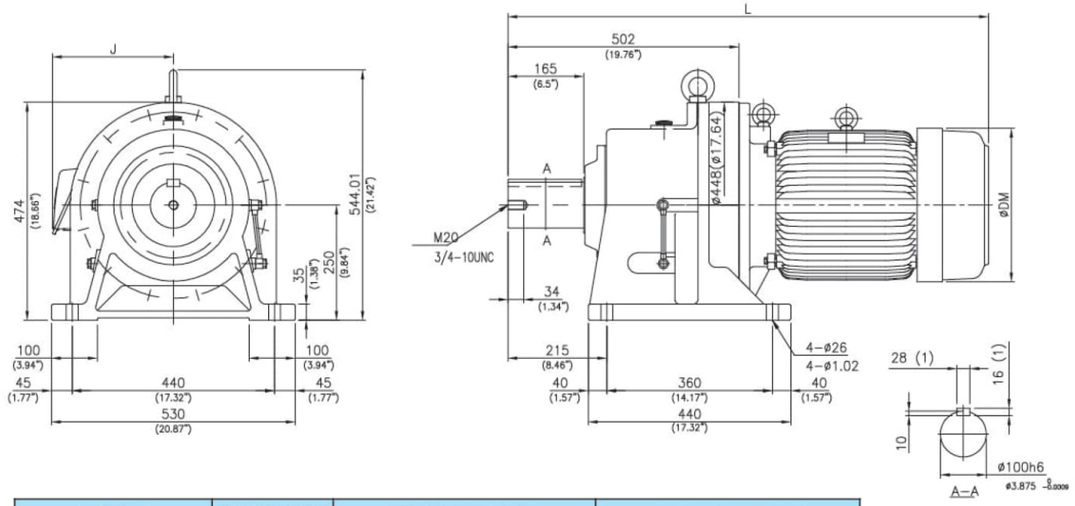
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	THHM5 – 818	756	189	238		185	29.79	7.45	9.38		407.8
5.5	8	4	THHM8 – 818	785	218	273		192	30.93	8.59	10.75		423.3
7.5	10	4	THHM10 – 818	822.8	224	273		205	32.42	8.82	10.74		451.9
11	15	4	THHM15 – 818	887	263	317	462	219	34.94	10.35	12.47	18.2	482.8
15	20	4	THHM20 – 818	931	263	317		279	36.68	10.35	12.47		615.1
18.5	25	4	THHM25 – 818	993	304	354		343	39.12	12	13.96		756.2
22	30	4	THHM30 – 818	993	304	354		343	39.12	12	13.96		756.2
30	40	4	THHM40 – 818	1031	304	354		358	40.62	11.98	13.96		789.2

THHM-819



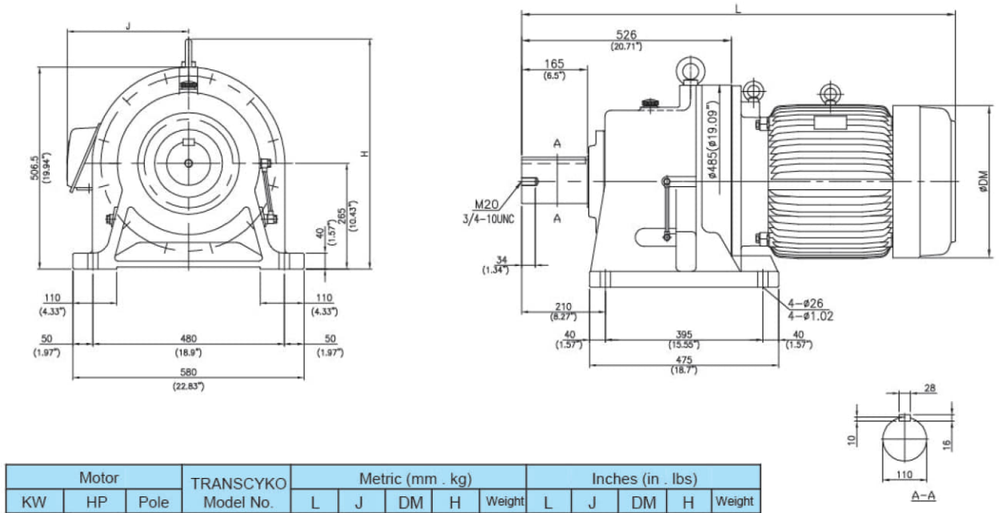
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
5.5	8	4	THHM8 – 819	857	224	273		301	33.8	8.8	10.7		663.6
7.5	10	4	THHM10 – 819	895	224	273		313	35.3	8.8	10.7		690
11	15	4	THHM15 – 819	967	263	317		332	38.1	10.3	12.5		731.9
15	20	4	THHM20 – 819	1011	263	317	535.5	334	36.8	10.3	12.5	21.1	736.3
18.5	25	4	THHM25 – 819	1069	307	354		416	42.1	12.1	13.9		917.1
22	30	4	THHM30 – 819	1069	307	354		416	42.1	12.1	13.9		917.1
30	40	4	THHM40 – 819	1064	305	382		431	41.9	12	15		950.2
37	50	4	THHM50 – 819	1135	338	420		468	44.4	13.3	16.5		1031.8

THHM-820



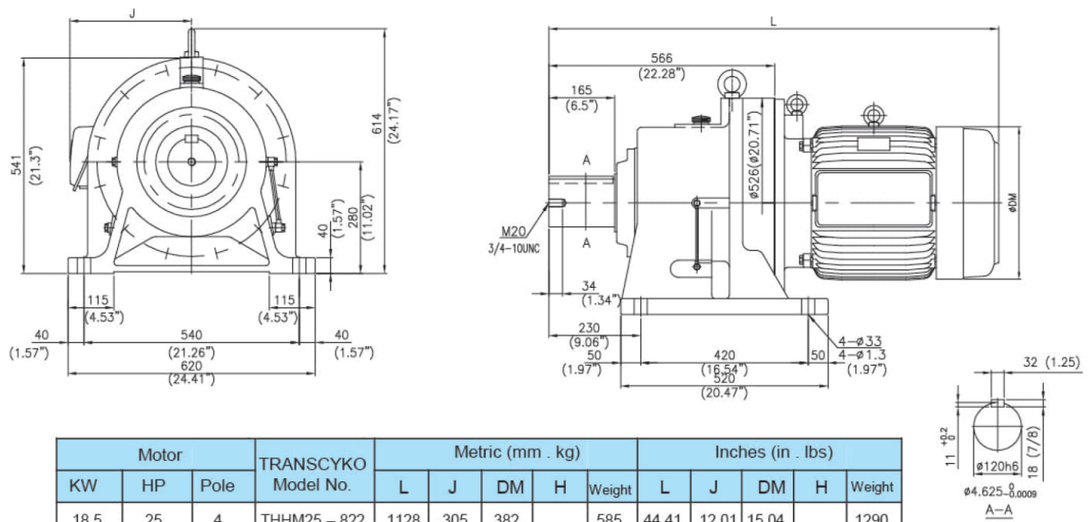
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
11	15	4	THHM15 – 820	1001	262	334		313	39.41	10.33	13.15		690
15	20	4	THHM20 – 820	1045	262	334		367	41.14	10.33	13.15		809.1
18.5	25	4	THHM25 – 820	1106	305	328	544	437	43.54	12.1	12.91	21.42	963.4
22	30	4	THHM30 – 820	1106	305	328		437	43.54	12.1	12.91		963.4
30	40	4	THHM40 – 820	1145	305	328		450	45.08	12.01	12.91		992.1
37	50	4	THHM50 – 820	1165	339	420		487	45.87	13.35	16.54		1073.6
45	60	4	THHM60 – 820	1165	339	420		487	45.87	13.35	16.54		1073.6

THHM-821



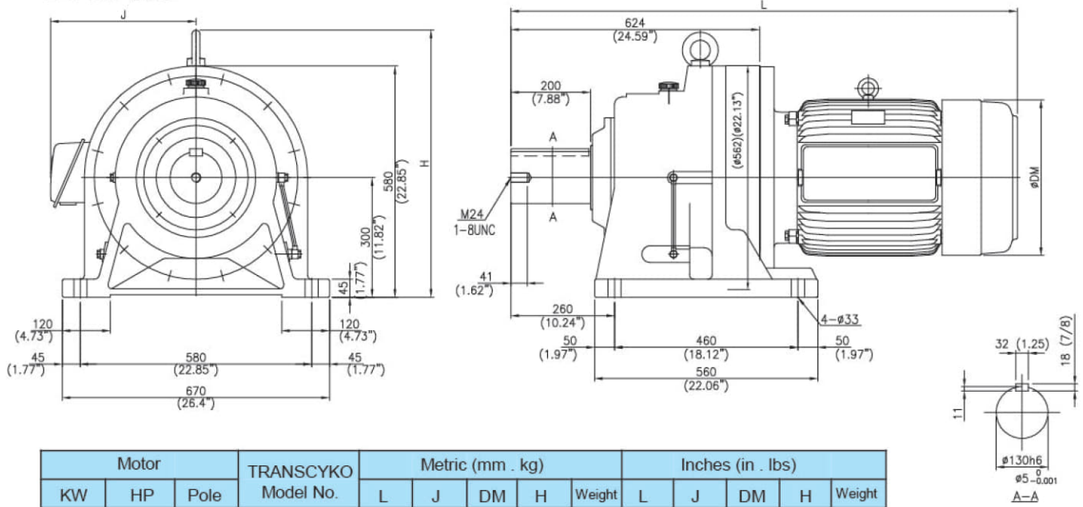
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
11	15	4	THHM15 – 821	1028	260	334		396	40.47	10.3	13.15		873
15	20	4	THHM20 – 821	1069	260	334		454	42.09	10.25	13.15		1000
18.5	25	4	THHM25 – 821	1088	305	382		485	42.83	11.99	15.04		1069
22	30	4	THHM30 – 821	1131	307	354	577.5	514	44.52	12.1	13.94	22.74	1133.2
30	40	4	THHM40 – 821	1168	305	382		527	45.98	12.01	15.05		1161.8
37	50	4	THHM50 – 821	1196	340	420		559	47.09	13	16.54		1232.3
45	60	4	THHM60 – 821	1224	340	420		575	48.19	13.38	16.54		1267.6
55	75	4	THHM75 – 821	1227	387	458		675	48.31	15	18.03		1488

THHM-822



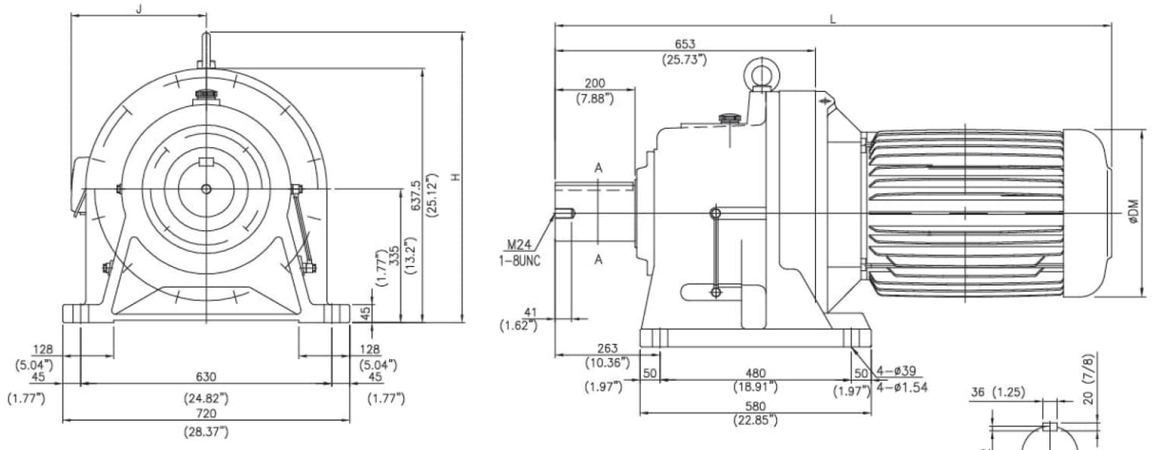
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
18.5	25	4	THHM25 – 822	1128	305	382		585	44.41	12.01	15.04		1290
22	30	4	THHM30 – 822	1170	305	382		599	46.06	12.01	15.04		1320.6
30	40	4	THHM40 – 822	1166	305	382	614	612	45.91	12.01	15.04	24.17	1349.2
37	50	4	THHM50 – 822	1229	339	420		640	48.39	13.35	16.54		1410.9
45	60	4	THHM60 – 822	1236	339	458		650	48.66	13.35	18.03		1433
55	75	4	THHM75 – 822	1307	387	458		749	51.46	15.24	18.03		1651.3

THHM-823



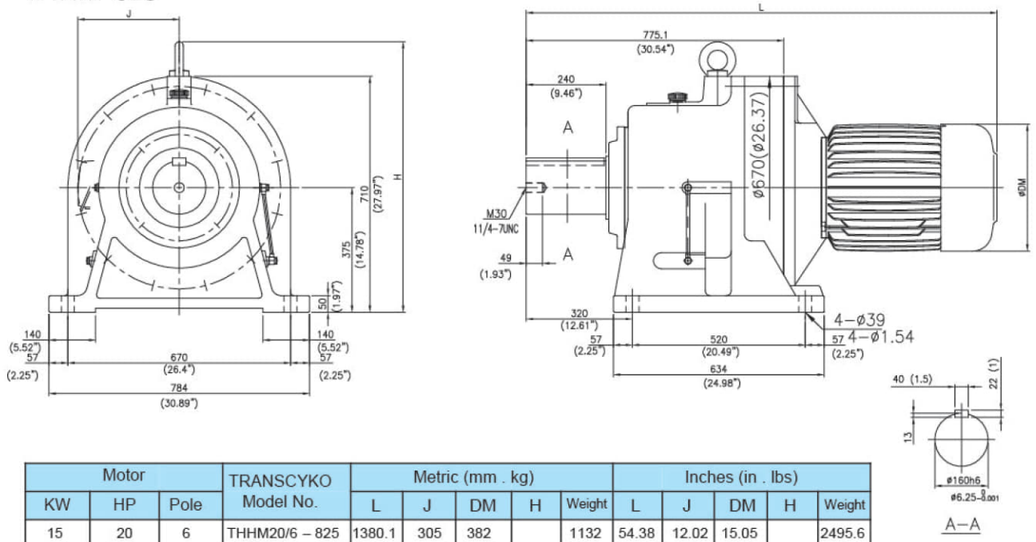
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
15	20	6	THHM20/6 – 823	1232	304	382		682	48.54	11.98	15.05		1503.5
18.5	25	6	THHM25/6 – 823	1270	365	390		697	50.04	14.38	15.37		1536.6
22	30	6	THHM30/6 – 823	1270	365	390	670	697	50.04	14.38	15.37	26.4	1536.6
30	40	6	THHM40/6 – 823	1290	370	420		743	50.84	14.58	16.53		1638
37	50	6	THHM50/6 – 823	1290	370	420		743	50.84	14.58	16.53		1638
45	60	6	THHM60/6 – 823	1369	383	510		832	53.94	15.09	20.09		1834.2
55	75	6	THHM75/6 – 823	1371	462	510		886	54.02	18.2	20.09		1953.3

THHM-824



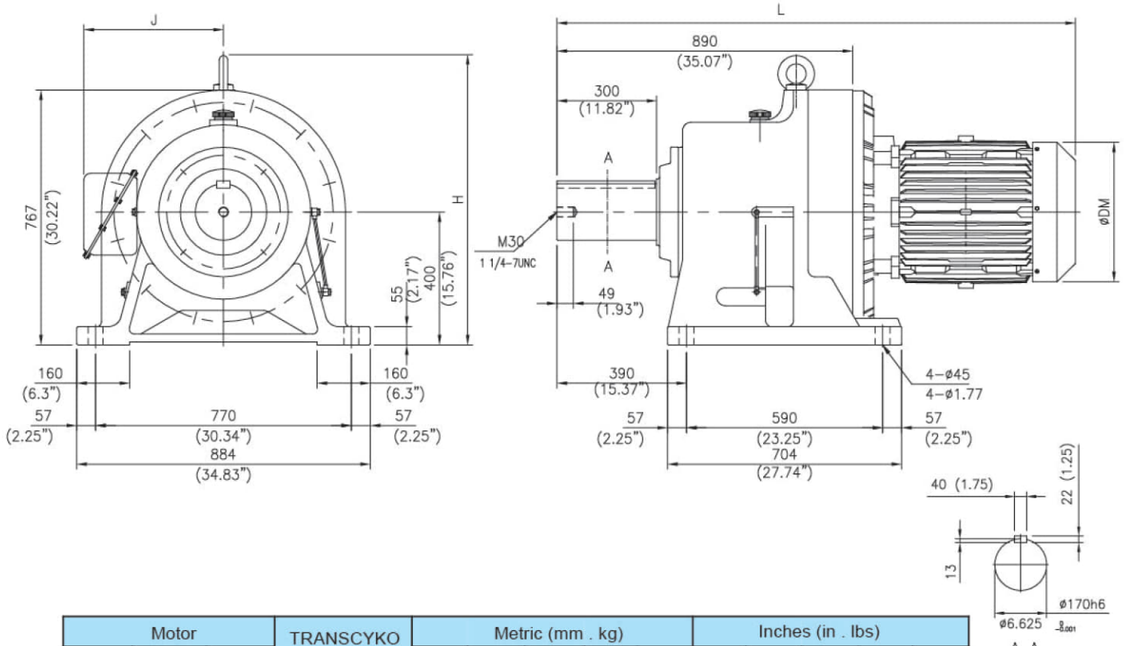
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
15	20	6	THHM20/6 – 824	1263	305	382		818	49.76	12.02	15.05		1803.3
18.5	25	6	THHM25/6 – 824	1295	305	382		818	51.02	12.02	15.05		1803.3
22	30	6	THHM30/6 – 824	1295	305	382	729	818	51.02	12.02	15.05	28.72	1803.3
30	40	6	THHM40/6 – 824	1320	339	420		864	52.01	13.36	16.55		1904.7
37	50	6	THHM50/6 – 824	1320	339	420		864	52.01	13.36	16.55		1904.7
37	60	6	THHM60/6 – 824	1395	387	458		955	54.96	15.25	18.05		2105.4
55	75	6	THHM75/6 – 824	1572	515	542		1004	61.94	20.29	21.35		2213

THHM-825



Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
15	20	6	THHM20/6 – 825	1380.1	305	382		1132	54.38	12.02	15.05		2495.6
18.5	25	6	THHM25/6 – 825	1417.1	305	382		1149	55.83	12.02	15.05		2533.1
22	30	6	THHM30/6 – 825	1417.1	305	382	814	1149	55.83	12.02	15.05	32.07	2533.1
30	40	6	THHM40/6 – 825	1442.1	339	420		1193	56.82	13.36	16.55		2630.1
37	50	6	THHM50/6 – 825	1442.1	339	420		1193	56.82	13.36	16.55		2630.1
45	60	6	THHM60/6 – 825	1517.1	387	458		1273	59.77	15.25	18.05		2806.5
55	75	6	THHM75/6 – 825	1694.1	515	542		1328	66.75	20.29	21.35		2927.7

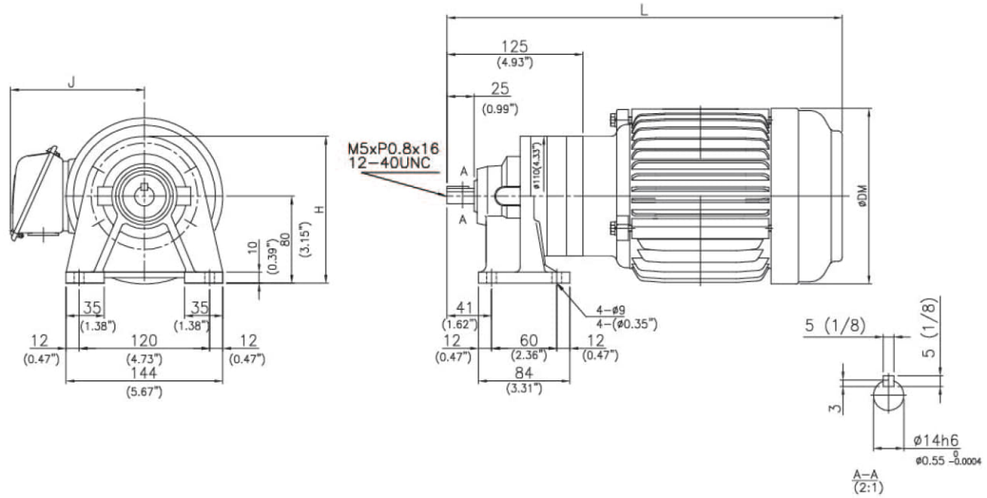
THHM-826



Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
30	40	6	THHM40/6 – 826	1560	339	420		1439	61.46	13.36	16.55		3172.5
37	50	6	THHM50/6 – 826	1560	339	420	874	1439	61.46	13.36	16.55	34.44	3172.5
45	60	6	THHM60/6 – 826	1633	387	474		1534	64.29	15.25	18.68		3381.8

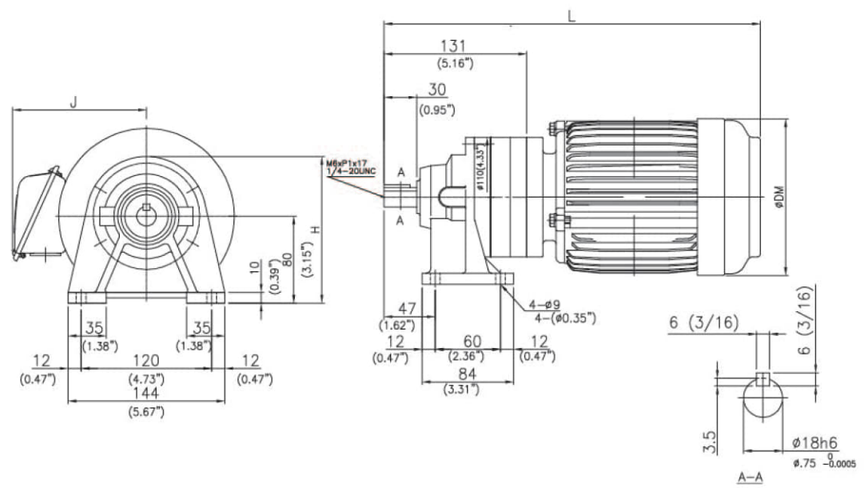
DIMENSION DRAWINGS For Double Stage Reduction, Horizontal TRANSCYKO Gearmotor

THM-807/07



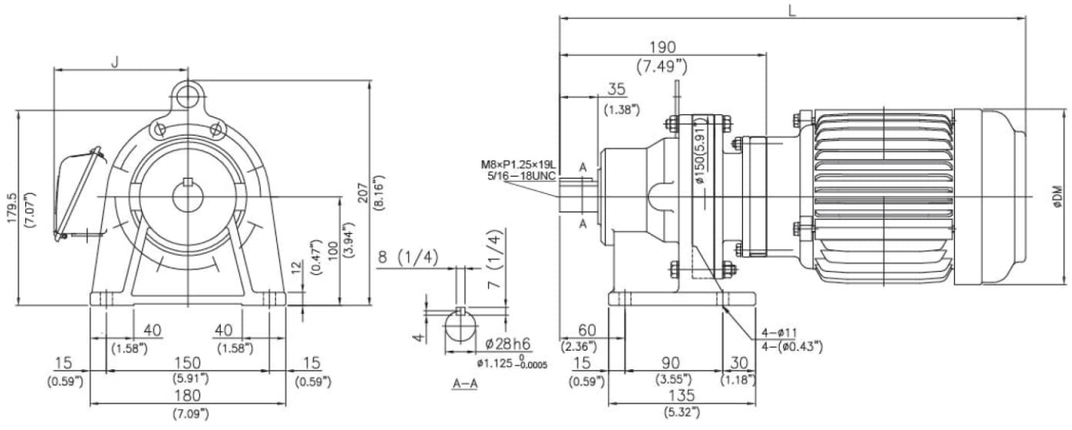
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THM02 – 807/07	340	123	144	135	12	13.39	5.25	6.36	5.32	26.4
0.4	½	4	THM05 – 807/07	363.5	123	161	135	17	14.32	4.85	6.36	5.32	37.5

THM-808/07



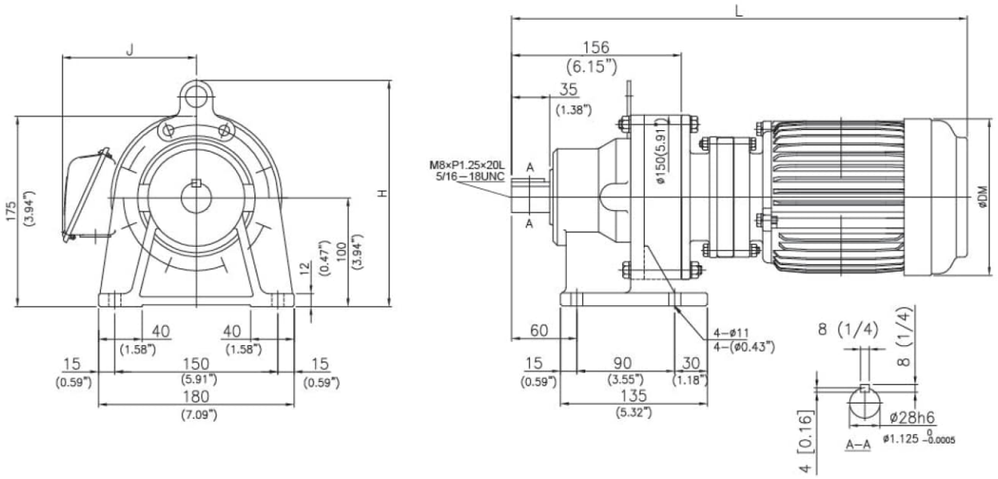
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THM02 – 808/07	346	123	144	135	12	13.63	4.85	5.68	5.32	26.5
0.4	½	4	THM05 – 808/07	369.5	133.3	161.5	135	14	14.85	5.25	6.36		30.8

THM-809/08



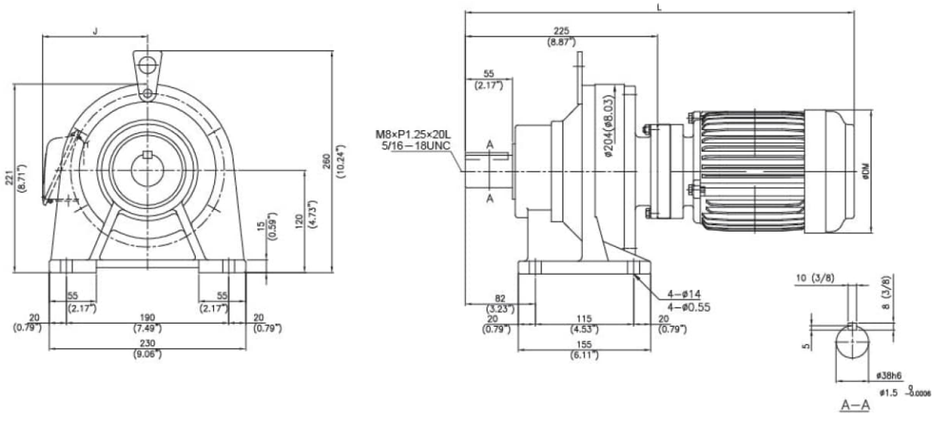
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THM02 – 809/08	405	123	144	207	22	15.96	4.85	5.68	8.16	48.4
0.4	½	4	THM05 – 809/08	428	133	161		25	16.88	5.25	6.36		55.1

THM-810/08



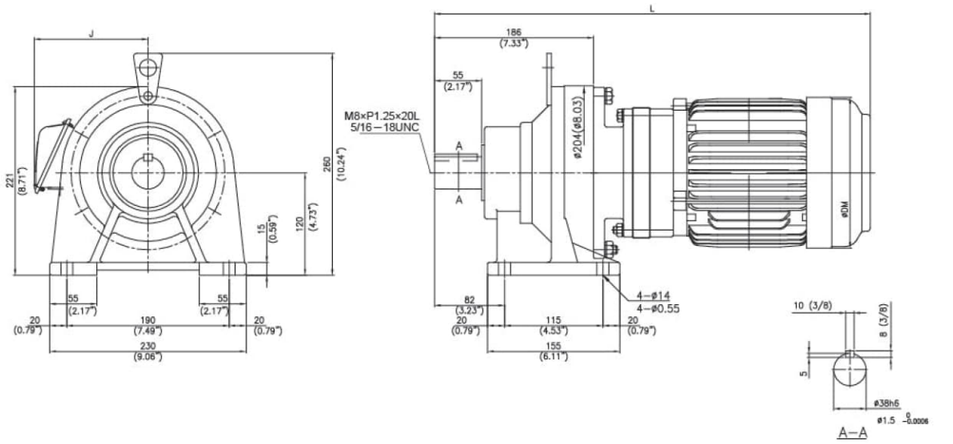
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THM02 – 810/08	419	123	144.1	208	24	16.51	4.85	5.68	8.19	52.8
0.4	½	4	THM05 – 810/08	442.5	133	161.5		27	17.43	5.25	6.36		59.4

THM-812/08



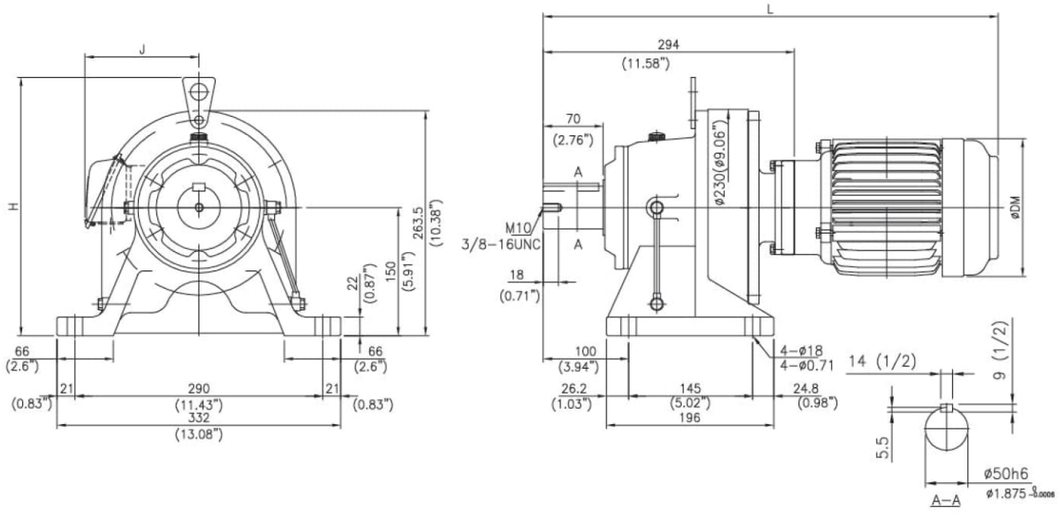
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THM02 – 812/08	455	123	144	260	34	17.93	4.85	5.68	10.24	74.9
0.4	½	4	THM05 – 812/08	478.5	133	161.5		38	18.85	5.25	6.36		83.7

THM-812/09



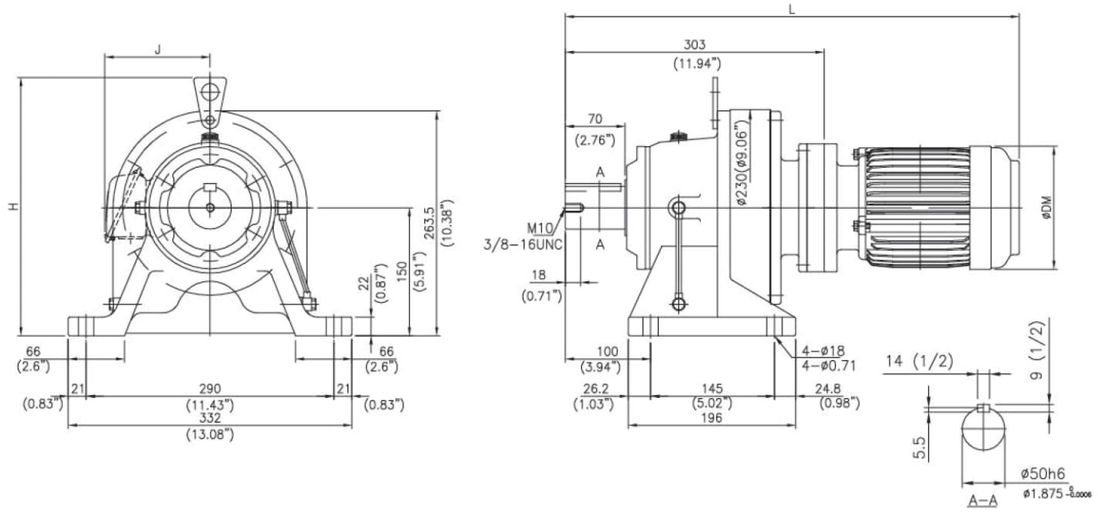
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THM02 – 812/09	480.5	123	144.1	260	40	18.93	4.85	5.68	10.24	88.2
0.4	½	4	THM05 – 812/09	504	133	161.5		43	19.86	5.25	6.36		94.7
0.75	1	4	THM1 – 812/09	510	144	176.5		45	20.09	5.67	6.95		99.2

THHM-813/08



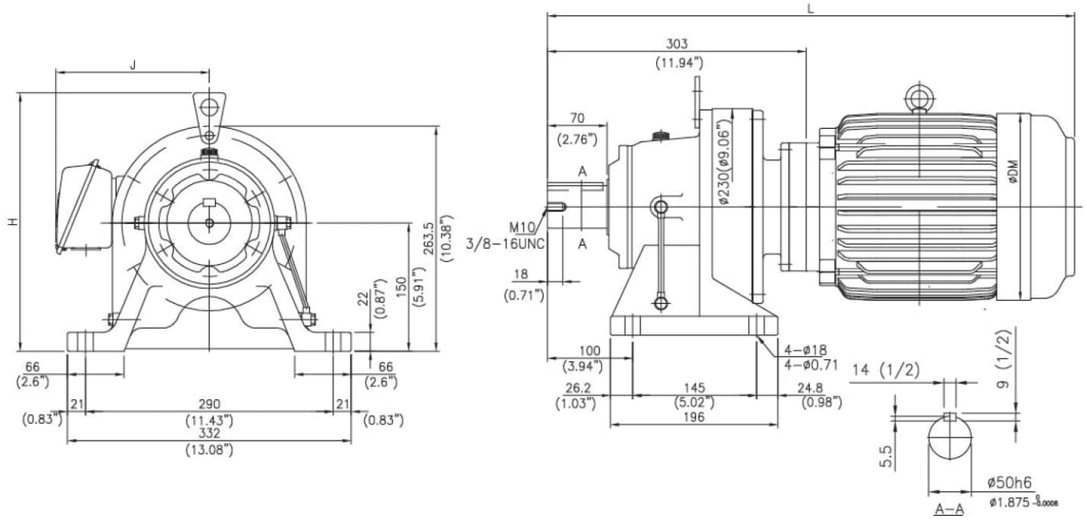
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THHM02 – 813/08	509	123	144	302.5	49	20.05	4.85	5.68	11.92	108
0.4	½	4	THHM05 – 813/08	532.5	133	161		54	20.98	5.25	6.36		119

THHM-813/09



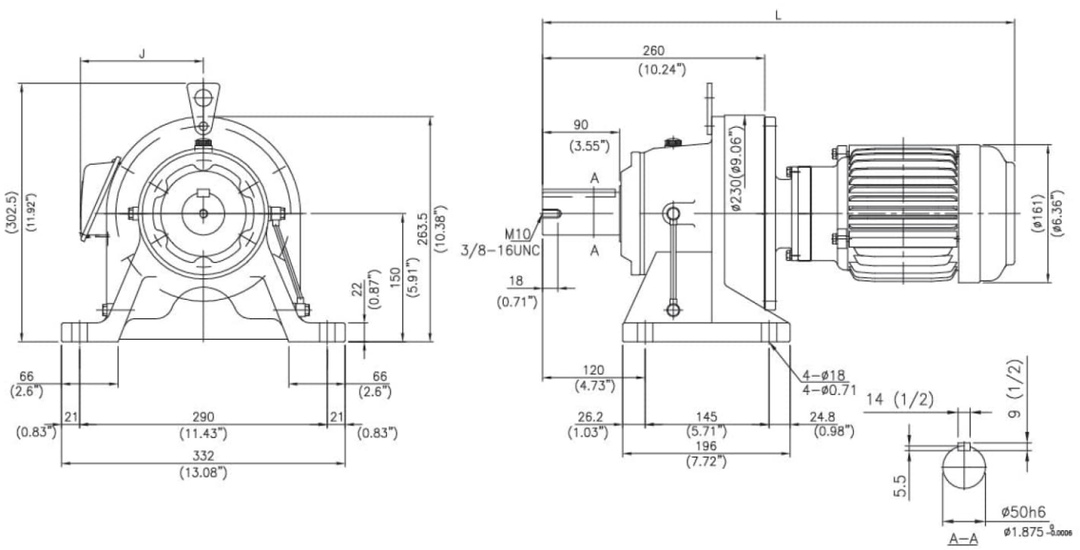
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THHM02 – 813/09	531.5	123	144	302.5	53	20.94	4.85	5.68	11.92	116.8
0.4	½	4	THHM05 – 813/09	555	133	162		57	21.87	5.26	6.36		125.6
0.75	1	4	THHM1 – 813/09	561	144	176		60	22.1	5.67	6.95		132.3

THHM-813/10



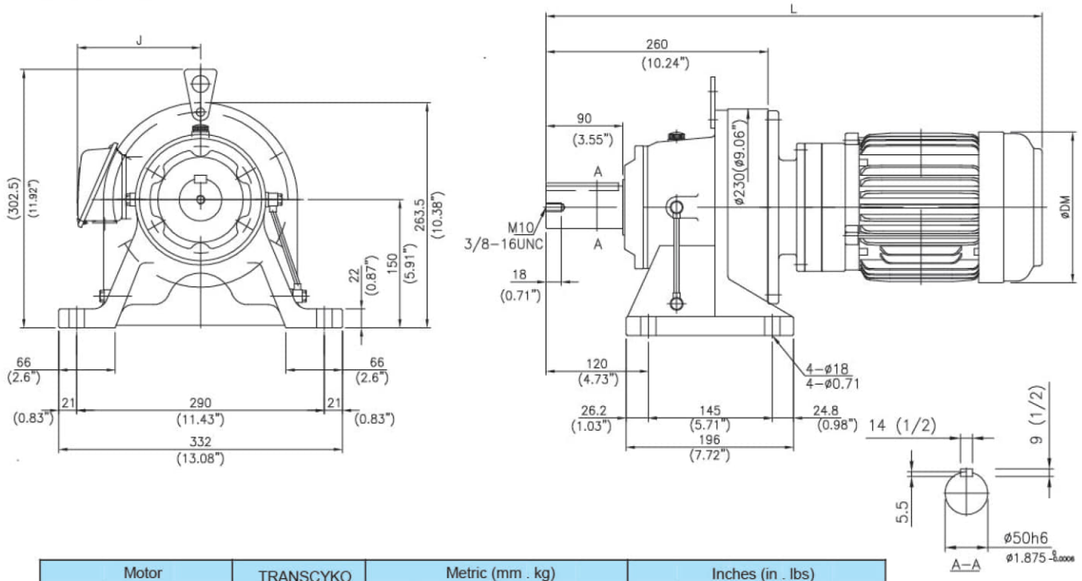
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	THHM05 – 813/10	569	133	162	302.5	59	22.42	5.26	6.36	11.92	130.1
0.75	1	4	THHM1 – 813/10	566	144	176		61	22.3	5.67	6.95		134.5
1.5	2	4	THHM2 – 813/10	603	157	196		70	23.76	6.19	7.74		154.3
2.2	3	4	THHM3 – 813/10	631	180	219		82	24.86	7.07	8.62		180.8

THHM-814/08



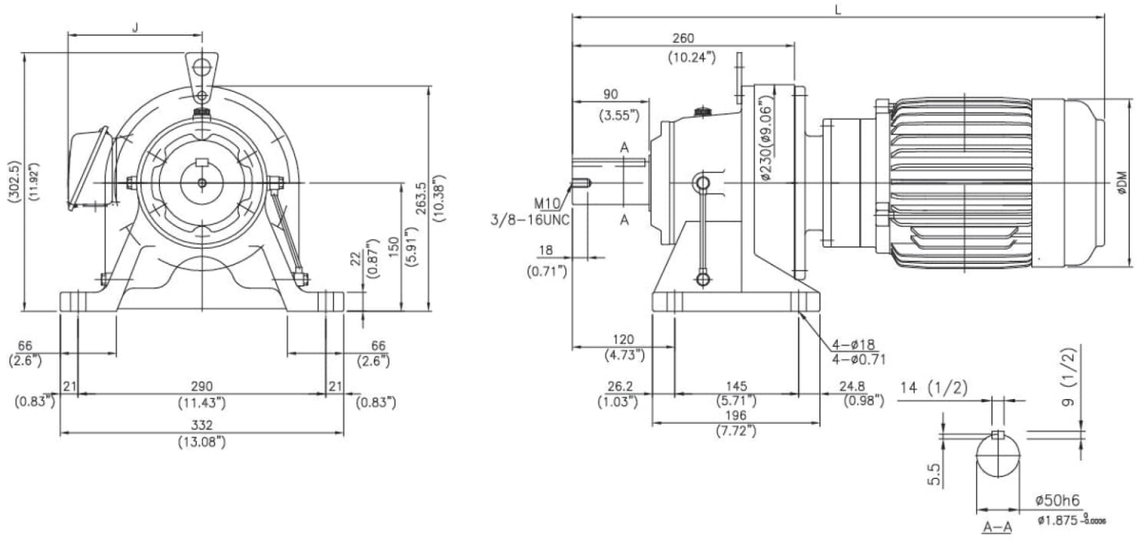
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THHM02 – 814/08	529	123	144	302.5	50	20.84	4.85	5.68	11.92	110.2
0.4	½	4	THHM05 – 814/08	552.5	133	161		54	21.77	5.25	6.36		119

THHM-814/09



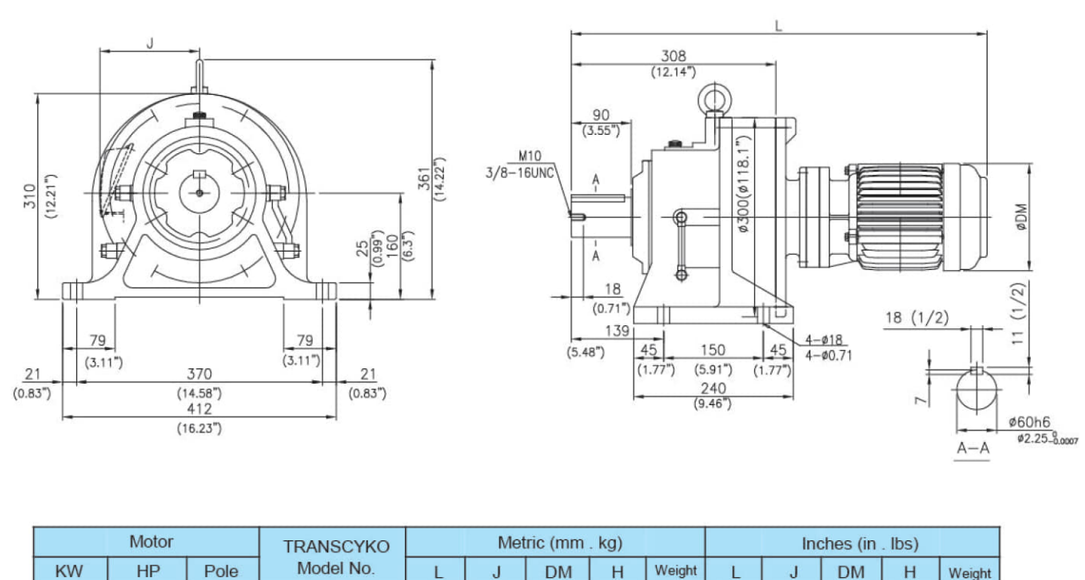
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THHM02 – 814/09	551.5	123	144		53	21.73	4.85	5.68		116.8
0.4	½	4	THHM05 – 814/09	575	133	161	302.5	57	22.65	5.26	6.36	11.92	125.6
0.75	1	4	THHM1 – 814/09	581	144	176		60	22.89	5.67	6.95		132.3

THHM-814/10



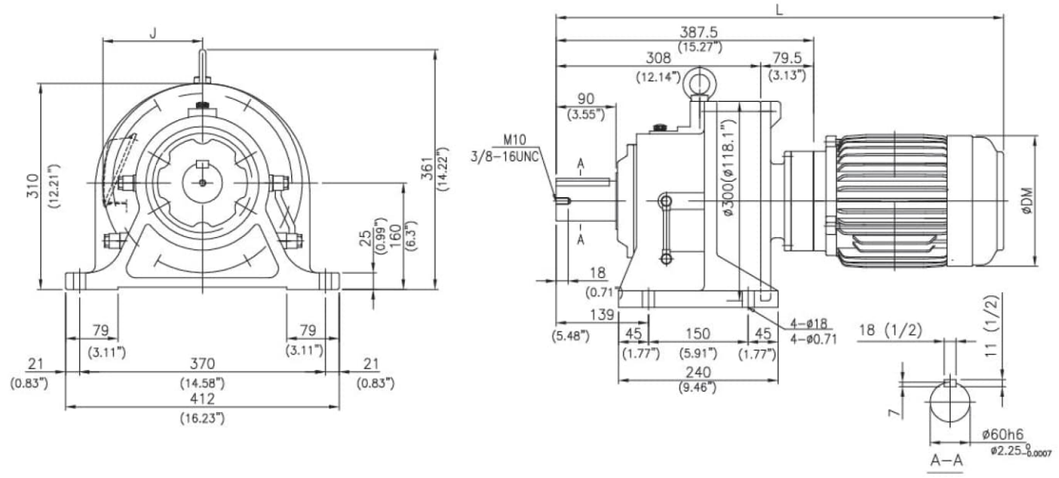
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	THHM05 – 814/10	589	133	161		59	23.21	5.26	6.36		130.1
0.75	1	4	THHM1 – 814/10	586	144	176	302.5	61	23.09	5.67	6.95	11.92	134.5
1.5	2	4	THHM2 – 814/10	623	157	197		70	24.55	6.19	7.74		154.3
2.2	3	4	THHM3 – 814/10	651	180	219		82	25.65	7.07	8.62		180.8

THHM-816/09



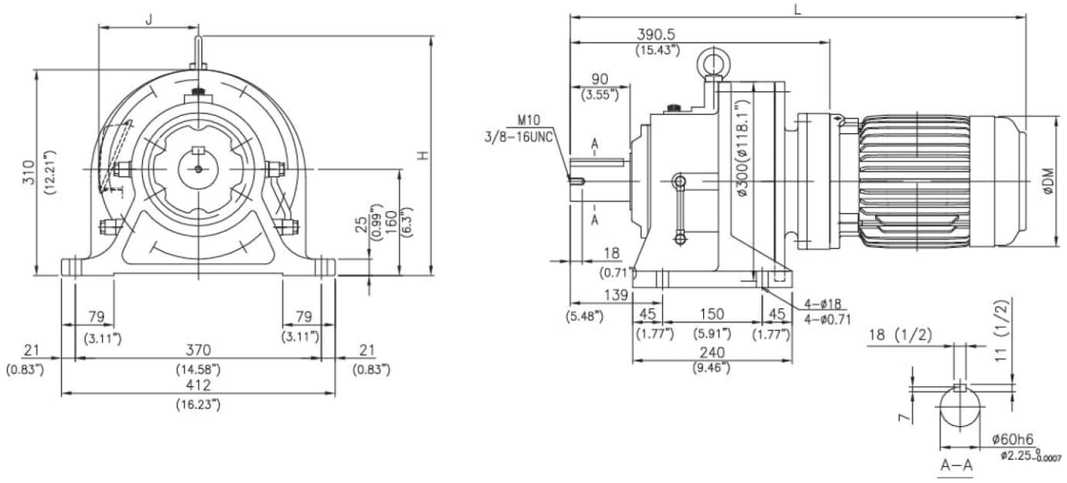
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THHM02 – 816/09	602	123	144		94	23.72	4.85	5.68		207.2
0.4	½	4	THHM05 – 816/09	625.5	133	162	361	98	24.64	5.26	6.31	14.22	216.1
0.75	1	4	THHM1 – 816/09	631	144	177		100	24.88	5.67	6.95		220.5

THHM-816/10



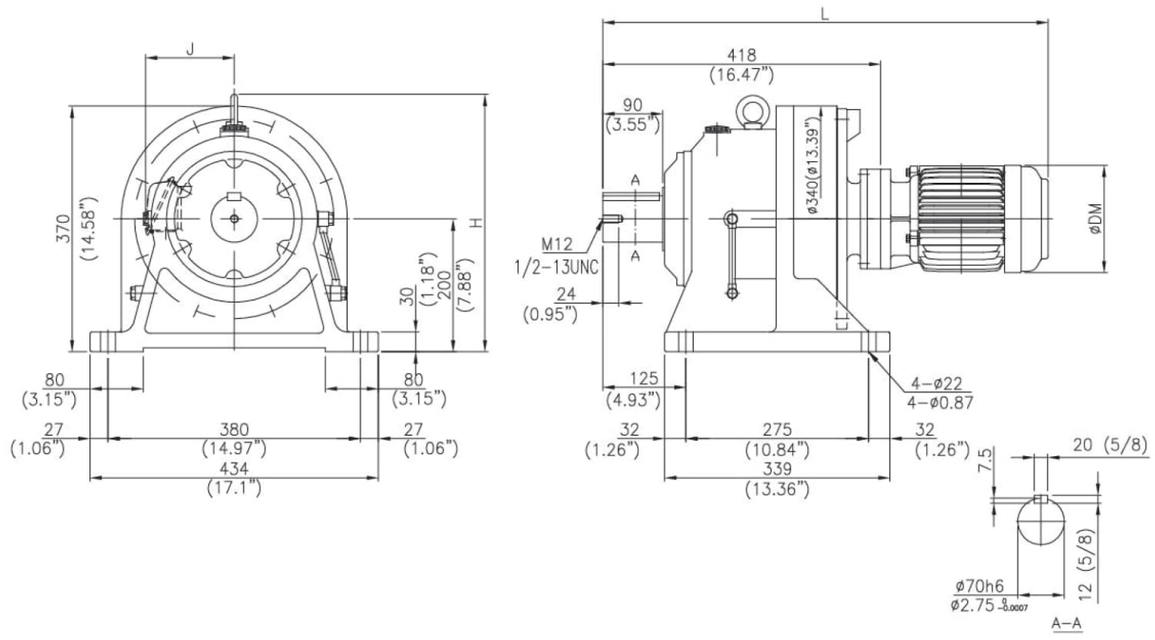
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	THHM05 – 816/10	639.5	133	162		99	25.2	5.26	6.31		218.2
0.75	1	4	THHM1 – 816/10	636.5	144	177	361	102	25.08	5.67	6.95	14.22	224.8
1.5	2	4	THHM2 – 816/10	673.5	157	197		111	26.54	6.19	7.74		244.7
2.2	3	4	THHM3 – 816/10	701.5	180	219		123	27.64	7.07	8.62		271.2

THHM-816/12



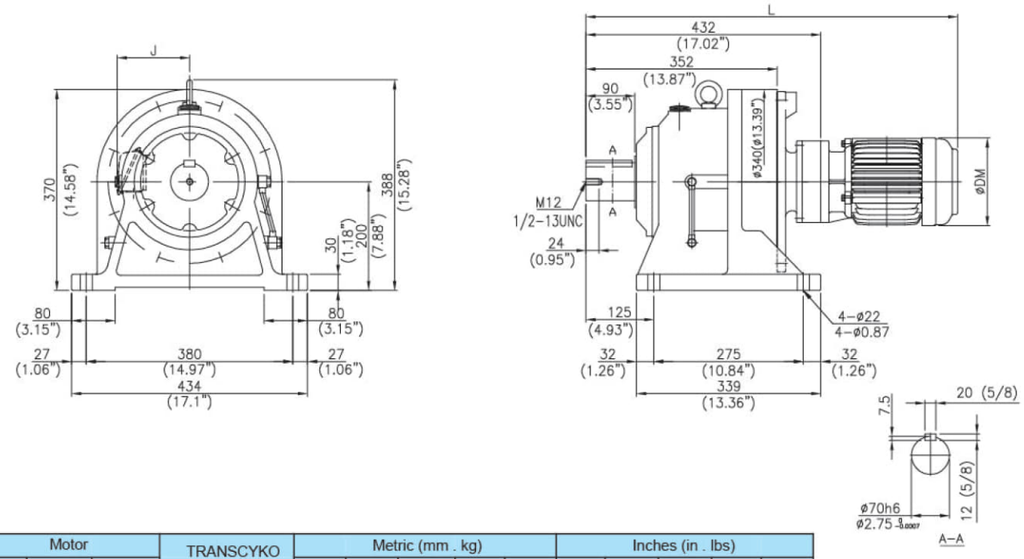
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	THHM05 – 816/12	641.5	133	162		99	25.28	5.25	6.36		218.3
0.75	1	4	THHM1 – 816/12	649	144	177		104	25.57	5.67	6.95		229.3
1.5	2	4	THHM2 – 816/12	686	157	197	361	115	27.03	6.19	7.74	14.22	253.5
2.2	3	4	THHM3 – 816/12	712.5	180	219		130	28.07	7.07	8.62		286.6
3.7	5	4	THHM5 – 816/12	727	189	235		139	28.64	7.46	9.26		306.4

THHM-817/09



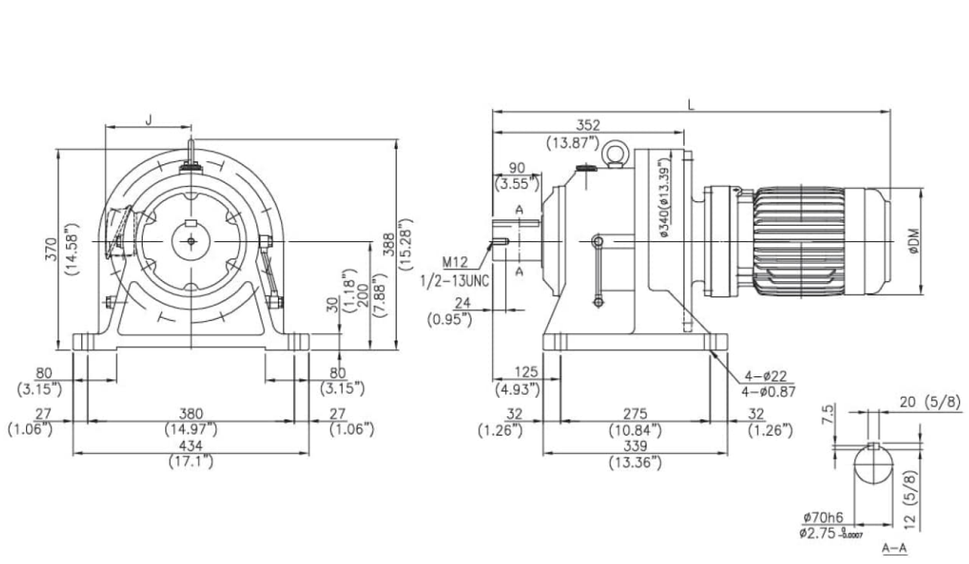
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	THHM02 – 817/09	647	123	144		130	25.47	4.85	5.68		286.6
0.4	½	4	THHM05 – 817/09	670	133	161	388	132	26.4	5.26	6.36	15.28	291
0.75	1	4	THHM1 – 817/09	676	144	177		136	26.63	5.67	6.95		299.8

THHM-817/10



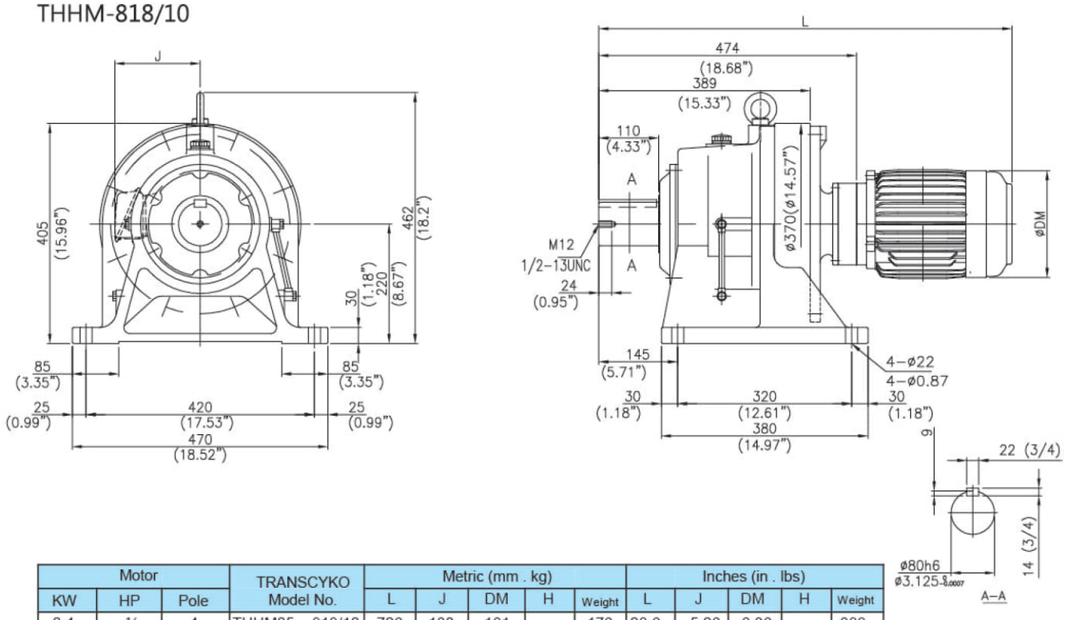
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	THHM05 – 817/10	684	133	162		134	26.95	5.25	6.36		295.4
0.75	1	4	THHM1 – 817/10	681	144	176	388	138	26.83	5.67	6.95	15.28	304.2
1.5	2	4	THHM2 – 817/10	718	157	196		147	28.29	6.19	7.74		324.1
2.2	3	4	THHM3 – 817/10	746	180	219		159	29.39	7.07	8.62		350.5

THHM-817/12



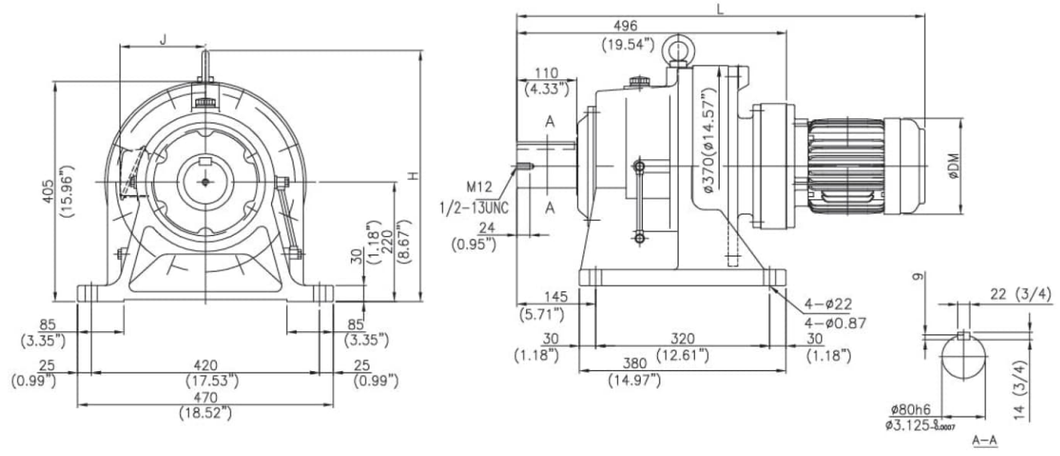
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	THHM05 – 817/12	687	133	162		135	27.07	5.25	6.36		297.6
0.75	1	4	THHM1 – 817/12	695	144	177		141	27.36	5.67	6.95		310.8
1.5	2	4	THHM2 – 817/12	731	157	197	388	152	28.82	6.19	7.74	15.28	335.1
2.2	3	4	THHM3 – 817/12	758	180	219		164	29.87	7.07	8.62		361.5
3.7	5	4	THHM5 – 817/12	772.5	189	235		173	30.44	7.46	9.26		381.3

THHM-818/10



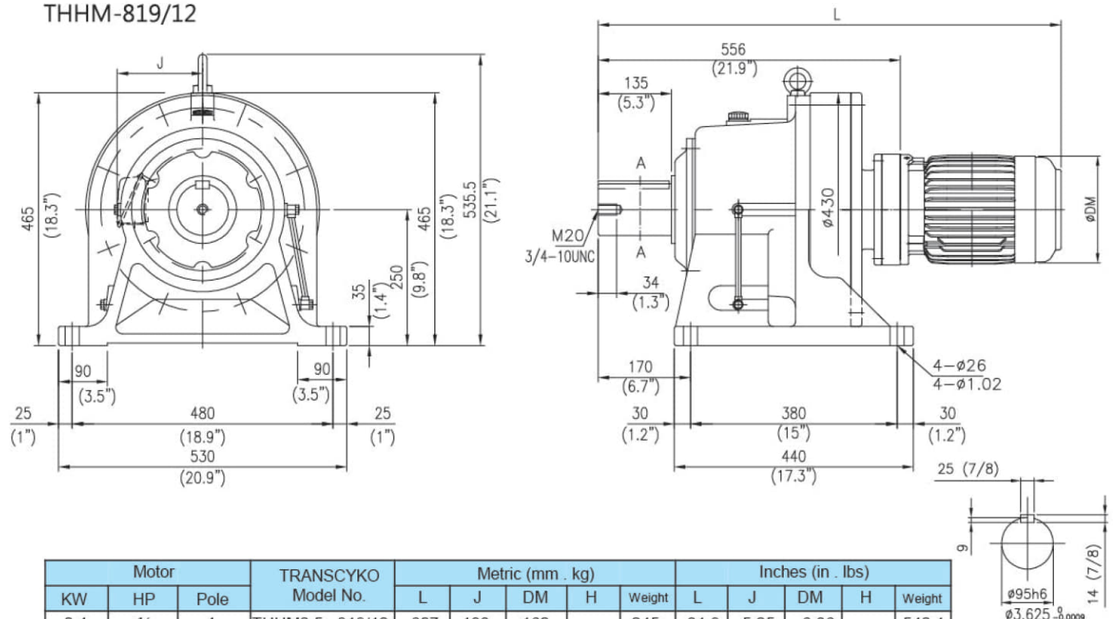
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	THHM05 – 818/10	726	133	161		176	28.6	5.26	6.36		388
0.75	1	4	THHM1 – 818/10	723	144	176		180	28.49	5.67	6.95		396.8
1.5	2	4	THHM2 – 818/10	760	157	197	462	189	29.94	6.19	7.74	18.2	416.7
2.2	3	4	THHM3 – 818/10	788	180	219		201	31.05	7.07	8.62		443.1

THHM-818/13



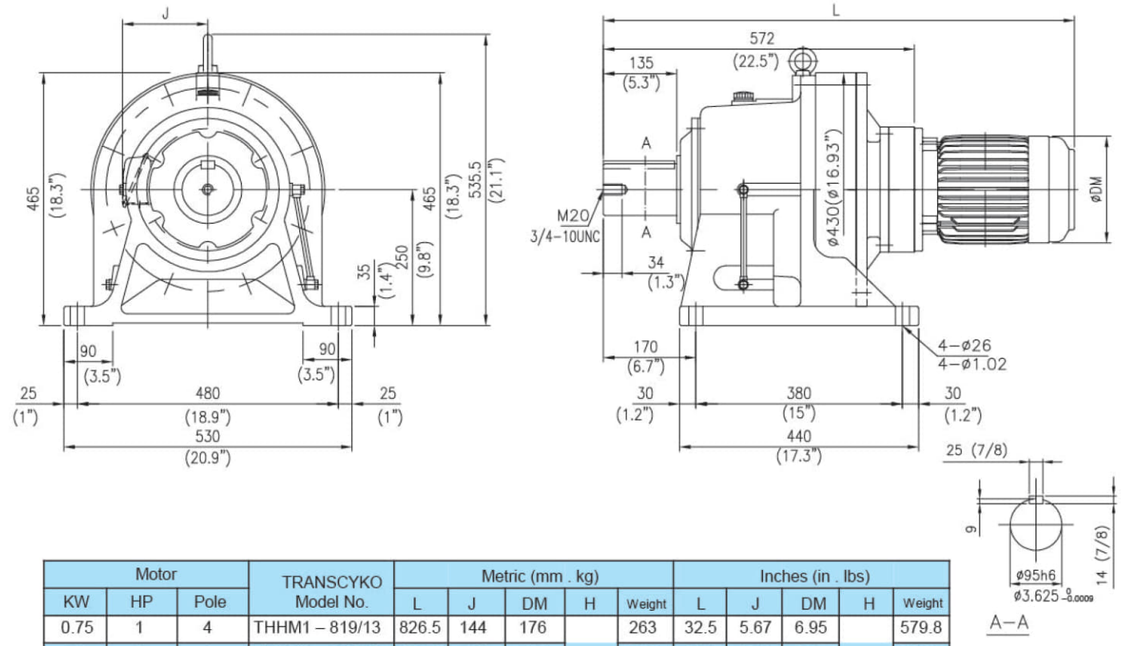
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1 – 818/13	750.5	144	176		195	29.57	5.67	6.95		429.9
1.5	2	4	THHM2 – 818/13	790.5	157	196		207	31.15	6.19	7.74		456.3
2.2	3	4	THHM3 – 818/13	818.5	180	219	462	219	32.25	7.07	8.62	18.2	482.8
3.7	5	4	THHM5 – 818/13	835	189	235		224	32.9	7.46	9.26		493.8
5.5	8	4	THHM8 – 818/13	877.5	224	273		230	34.57	8.81	10.75		507.1
7.5	10	4	THHM10 – 818/13	915.5	224	273		236	36.07	8.83	10.75		520.2

THHM-819/12



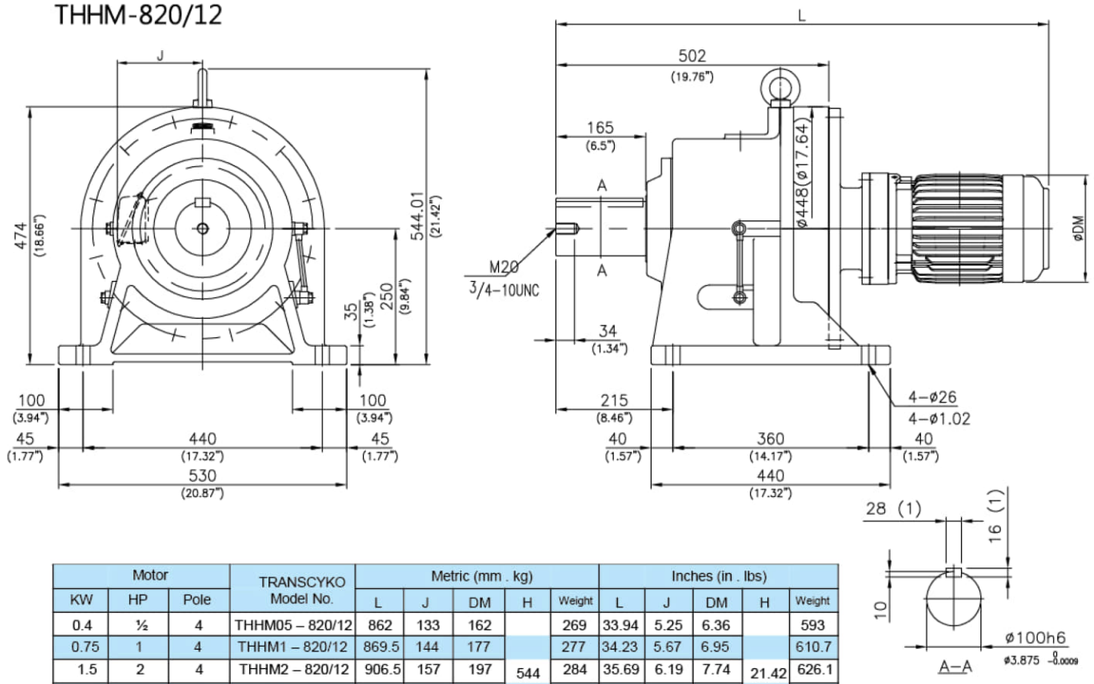
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	THHM0.5 – 819/12	807	133	162		245	31.8	5.25	6.36		540.1
0.75	1	4	THHM1 – 819/12	814.5	144	177		256	32.1	5.7	6.95		564.3
1.5	2	4	THHM2 – 819/12	851.5	157	197	535.5	265	33.5	6.19	7.74	21.1	584 2
2.2	3	4	THHM3 – 819/12	878	180	219		277	34.6	7.07	8.62		610.7
3.7	5	4	THHM5 – 819/12	892.5	189	235		286	35.1	7.46	9.26		630.5

THHM-819/13



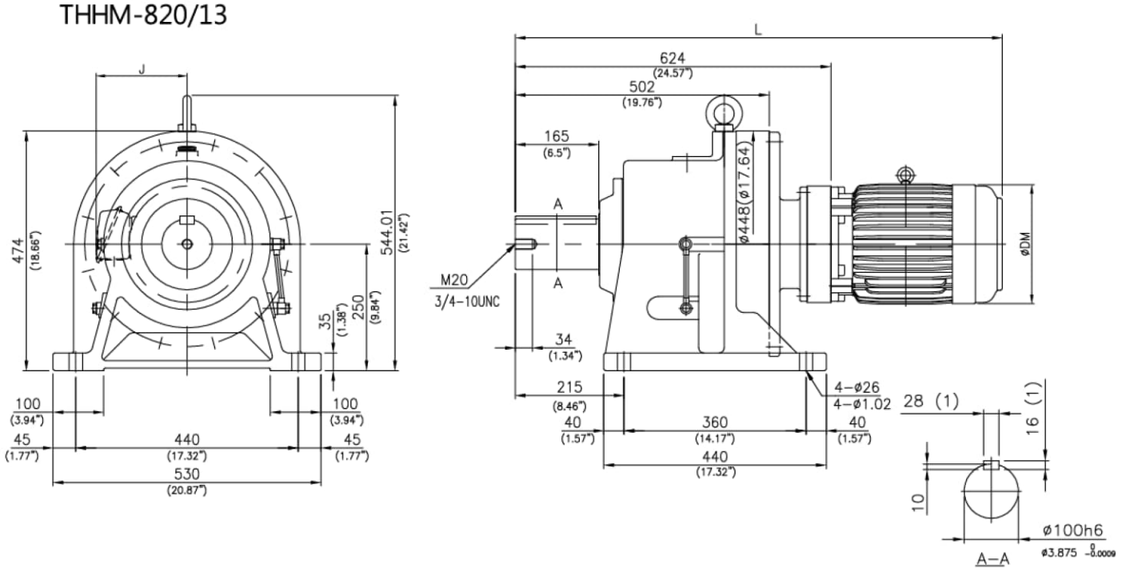
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1 – 819/13	826.5	144	176		263	32.5	5.67	6.95		579.8
1.5	2	4	THHM2 – 819/13	866.5	157	196		275	34.1	6.19	7.74		606.3
2.2	3	4	THHM3 – 819/13	894.5	180	219	535.5	286	35.2	7.07	8.62	21.1	630.5
3.7	5	4	THHM5 – 819/13	911	189	235		295	35.9	7.46	9.26		650.1
5.5	8	4	THHM8 – 819/13	953.5	224	273		301	37.5	8.81	10.75		663.6
7.5	10	4	THHM10 – 819/13	991.5	224	273		313	39	8.83	10.75		690

THHM-820/12



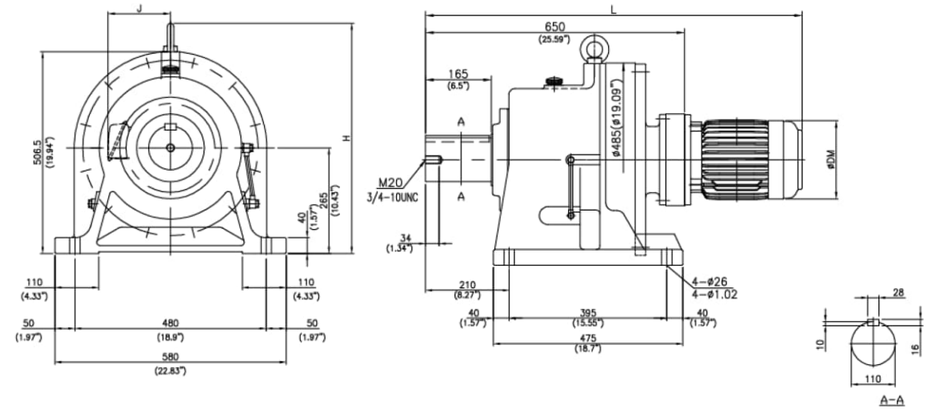
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	THHM05 – 820/12	862	133	162		269	33.94	5.25	6.36		593
0.75	1	4	THHM1 – 820/12	869.5	144	177		277	34.23	5.67	6.95		610.7
1.5	2	4	THHM2 – 820/12	906.5	157	197	544	284	35.69	6.19	7.74	21.42	626.1
2.2	3	4	THHM3 – 820/12	933	180	219		290	36.73	7.07	8.62		639.3
3.7	5	4	THHM5 – 820/12	947.5	189	235		296	37.3	7.46	9.26		652.6

THHM-820/13



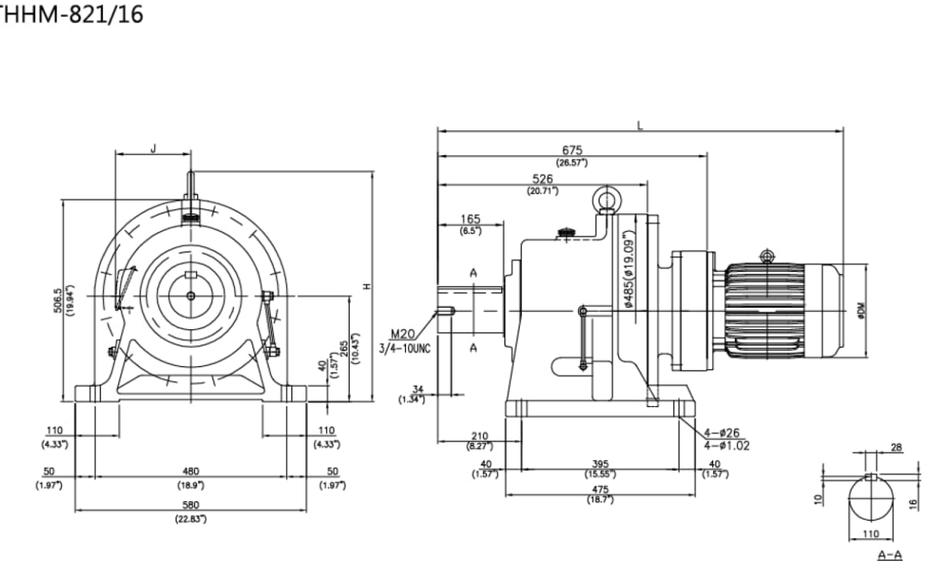
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1 – 820/13	878.5	144	176		288	34.59	5.67	6.95		634.9
1.5	2	4	THHM2 – 820/13	918.5	157	196		299	36.16	6.19	7.74		659.2
2.2	3	4	THHM3 – 820/13	946.5	180	219		309	37.26	7.07	8.62		681.2
3.7	5	4	THHM5 – 820/13	963	189	235	544	318	37.91	7.46	9.26	21.42	701.1
5.5	8	4	THHM8 – 820/13	1005.5	224	273		316	39.59	8.81	10.75		696.6
7.5	10	4	THHM10 – 820/13	1043.5	224	273		328	41.08	8.83	10.75		723.1

THHM-821/13



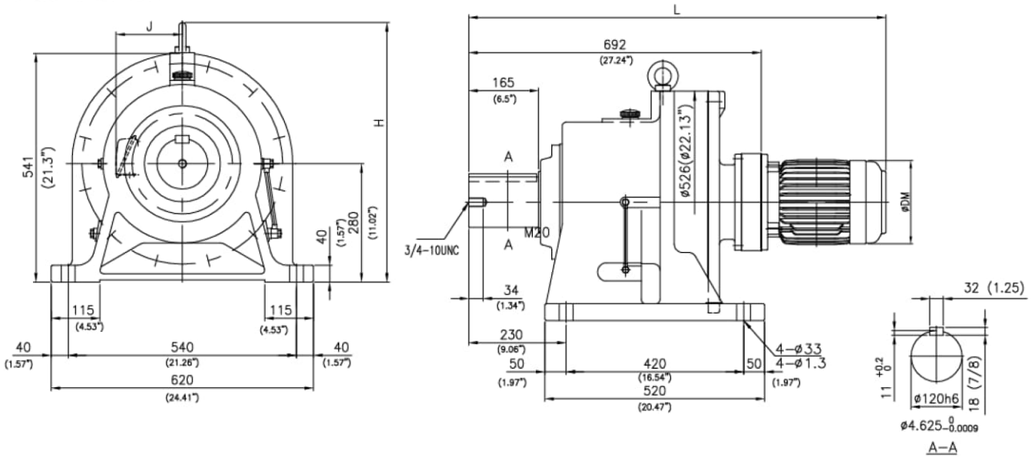
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1 – 821/13	904.5	144	176		365	35.61	5.67	6.95		804.7
1.5	2	4	THHM2 – 821/13	944.5	157	196		378	37.18	6.19	7.74		833.3
2.2	3	4	THHM3 – 821/13	972.5	180	219		390	38.29	7.07	8.62		859.8
3.7	5	4	THHM5 – 821/13	989	189	235	577.5	397	38.94	7.46	9.26	22.74	875.2
5.5	8	4	THHM8– 821/13	1031	224	273		401	40.61	8.81	10.75		884.1
7.5	10	4	THHM10 – 821/13	1069	224	273		409	42.11	8.83	10.75		901.7

THHM-821/16



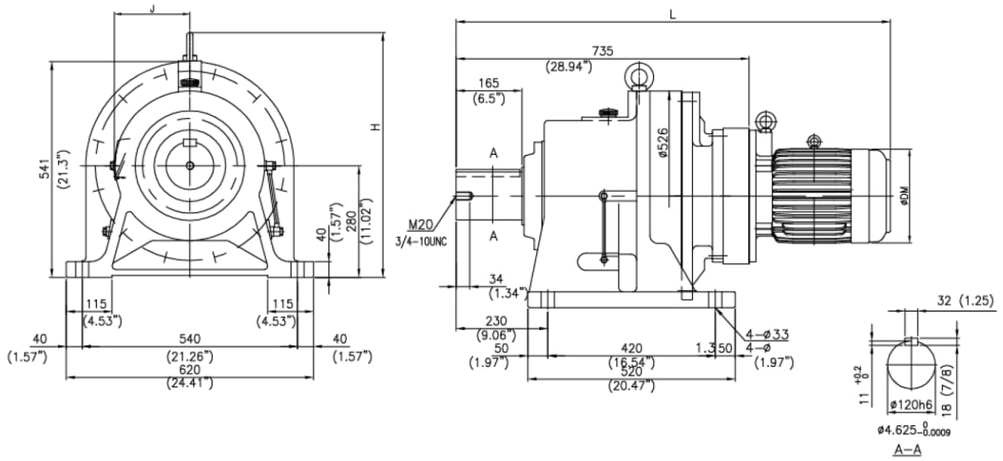
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
2.2	3	4	THHM3 – 821/16	1001	180	219		387	39.39	7.07	8.62		853.2
3.7	5	4	THHM5 – 821/16	1017	189	235		397	40.04	7.46	9.26		875.2
5.5	8	4	THHM8 – 821/16	1050	224	273	577.5	406	41.34	8.83	10.75	22.74	892.9
7.5	10	4	THHM10 – 821/16	1088	224	273		409	42.83	8.83	10.75		901.7
11	15	4	THHM15 – 821/16	1171	263	317		434	46.1	10.35	12.48		956.8

THHM-822/13



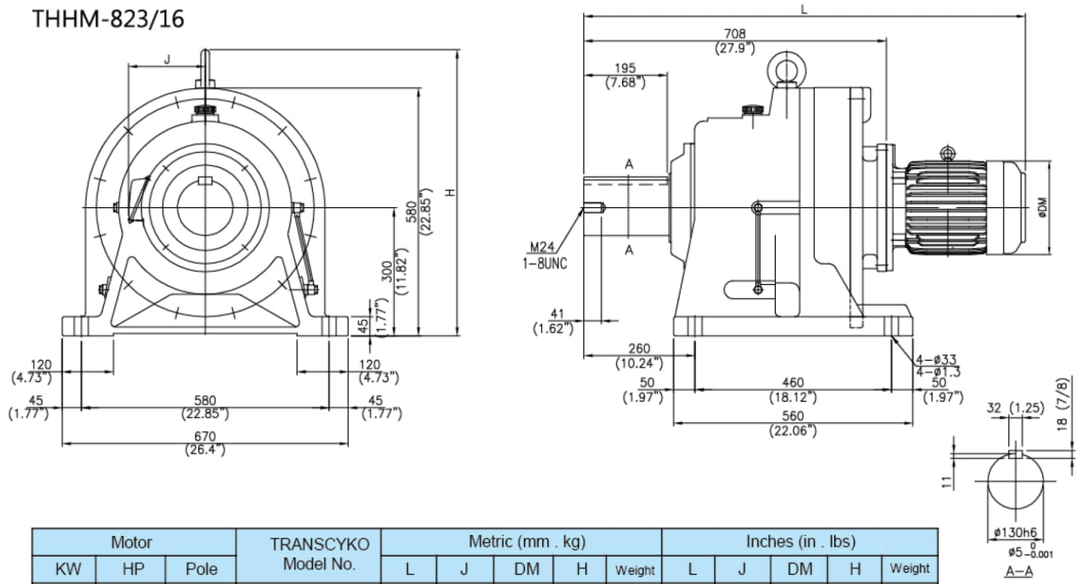
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1 – 822/13	946.5	144	176		440	37.26	5.67	6.95		970
1.5	2	4	THHM2 – 822/13	986.5	157	196		453	37.84	6.18	7.74		998.7
2.2	3	4	THHM3 – 822/13	1014.5	180	219	614	465	38.94	7.07	8.62	24.17	1025.1
3.7	5	4	THHM5 – 822/13	1031	189	235		470	37.26	7.45	9.26		1036.2
5.5	8	4	THHM8 – 822/13	1120.5	224	273		474	44.11	8.81	10.75		1045
7.5	10	4	THHM10 – 822/13	1111.5	224	273		482	43.76	8.83	10.75		1062.6

THHM-822/17



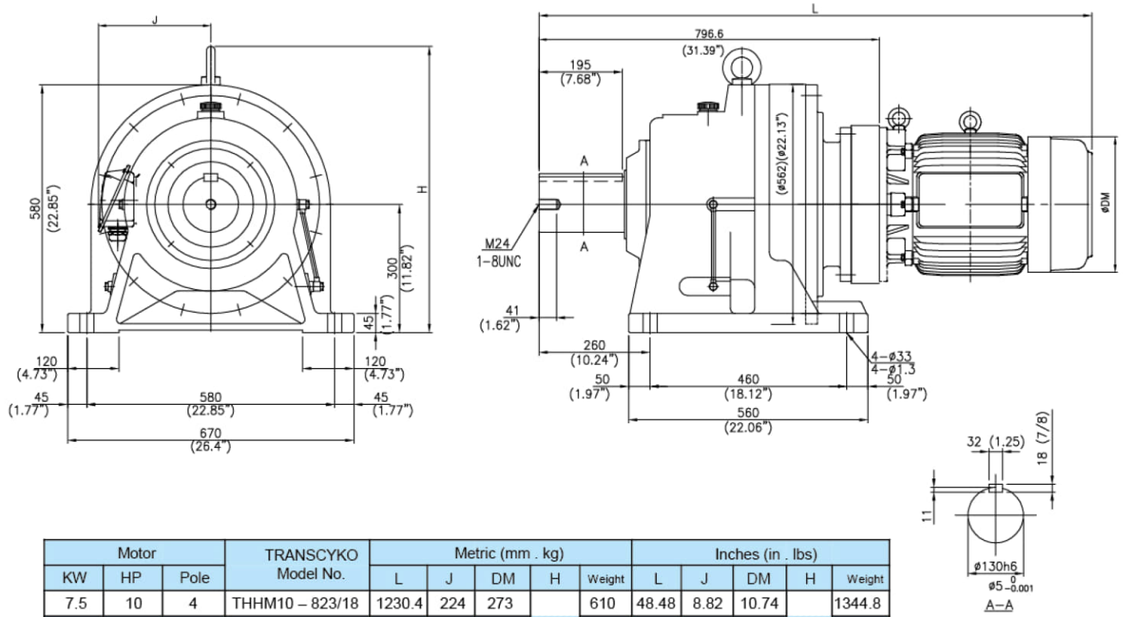
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	THHM5 – 822/17	1089	189	235		457	42.87	7.46	9.26		1007.5
5.5	8	4	THHM8 – 822/17	1122	224	273		470	44.17	8.83	10.75		1036.2
7.5	10	4	THHM10 – 822/17	1160	224	273	614	482	45.67	8.83	10.75	24.17	1062.6
11	15	4	THHM15 – 822/17	1231	263	317		533	48.46	10.34	12.47		1175
15	20	4	THHM15 – 822/17	1275	263	316		587	50.2	10.34	12.46		1294.1

THHM-823/16



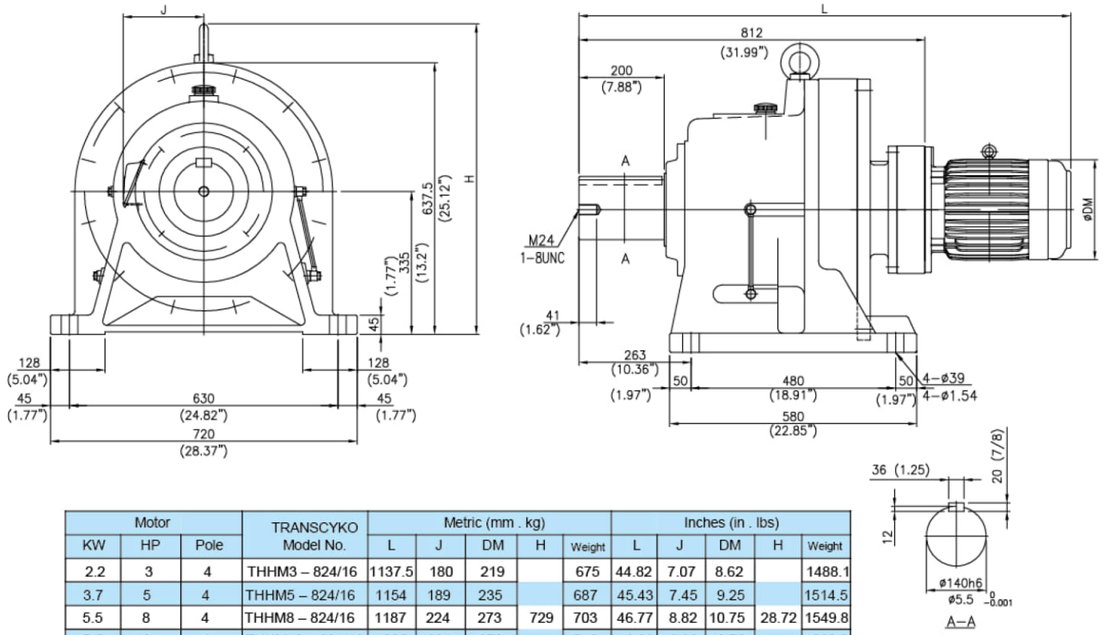
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
2.2	3	4	THHM3 – 823/16	1099.5	180	219		564	43.32	7.07	8.62		1243
3.7	5	4	THHM5 – 823/16	1116	189	235		586	43.97	7.46	9.26		1291.9
5.5	8	4	THHM8 – 823/16	1149	224	273	670	594	45.27	8.83	10.75	26.4	1309.5
7.5	10	4	THHM10 – 823/16	1187	224	273		607	46.77	8.83	10.75		1338.2
11	15	4	THHM15 – 823/16	1270	263	317		641	50.04	10.35	12.48		1413.2
15	20	4	THHM20 – 823/16	1314	263	317		660	51.73	10.34	12.47		1455

THHM-823/18



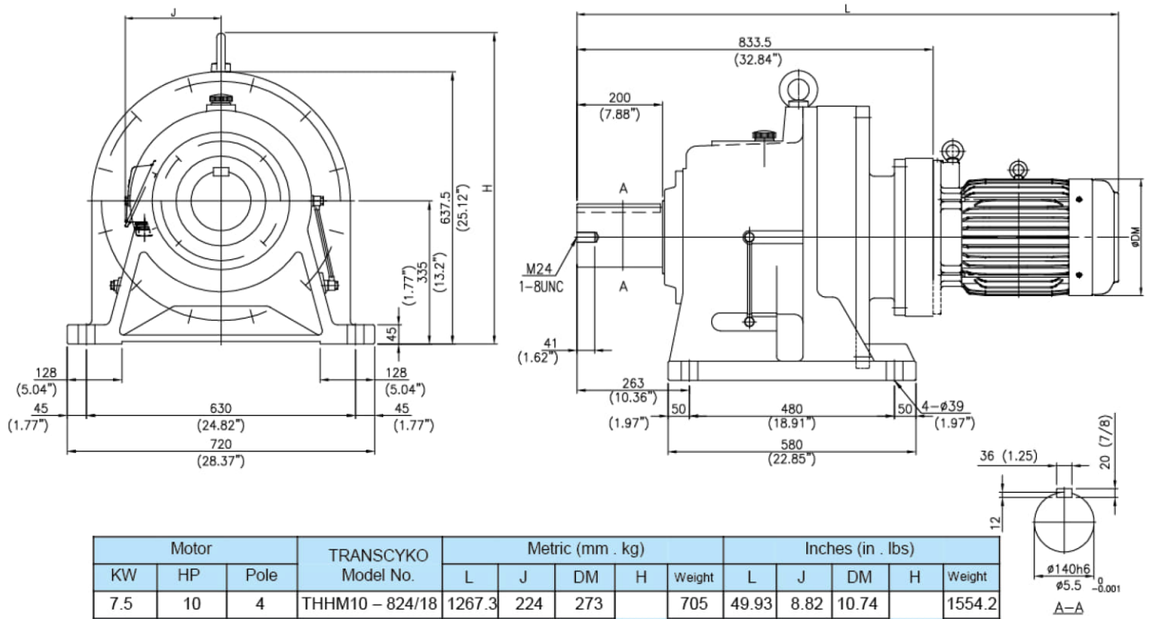
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
7.5	10	4	THHM10 – 823/18	1230.4	224	273		610	48.48	8.82	10.74		1344.8
11	15	4	THHM15 – 823/18	1294.4	263	317		694	51	10.35	12.47		1530
15	20	4	THHM20 – 823/18	1338.6	263	317	670	699	52.74	10.35	12.48	26.4	1541
18.5	25	4	THHM25 – 823/18	1400.6	304	354		761	55.18	12	13.96		1677.7
22	30	4	THHM30 – 823/18	1400.6	304	354		761	55.18	12	13.96		1677.7

THHM-824/16



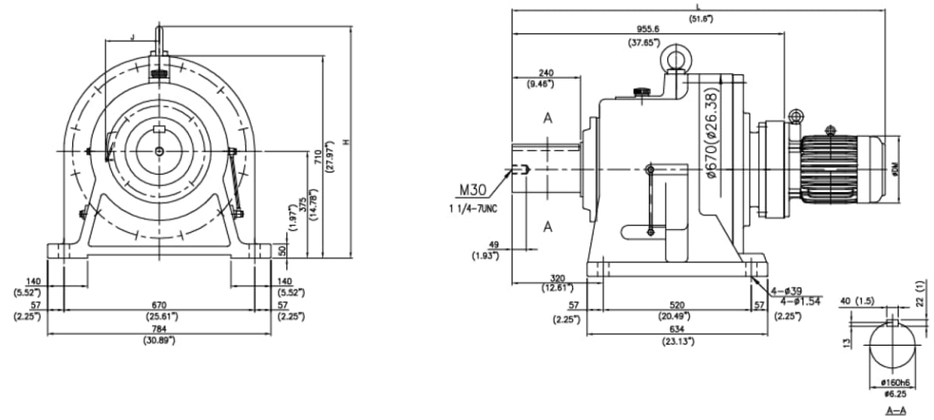
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
2.2	3	4	THHM3 – 824/16	1137.5	180	219		675	44.82	7.07	8.62		1488.1
3.7	5	4	THHM5 – 824/16	1154	189	235		687	45.43	7.45	9.25		1514.5
5.5	8	4	THHM8 – 824/16	1187	224	273	729	703	46.77	8.82	10.75	28.72	1549.8
7.5	10	4	THHM10 – 824/16	1225	224	273		718	48.23	8.82	10.75		1582.9
11	15	4	THHM15 – 824/16	1308	263	317		750	51.54	10.35	12.48		1653.5
15	20	4	THHM20 – 824/16	1352	263	317		769	53.27	10.34	12.47		1695.3

THHM-824/18



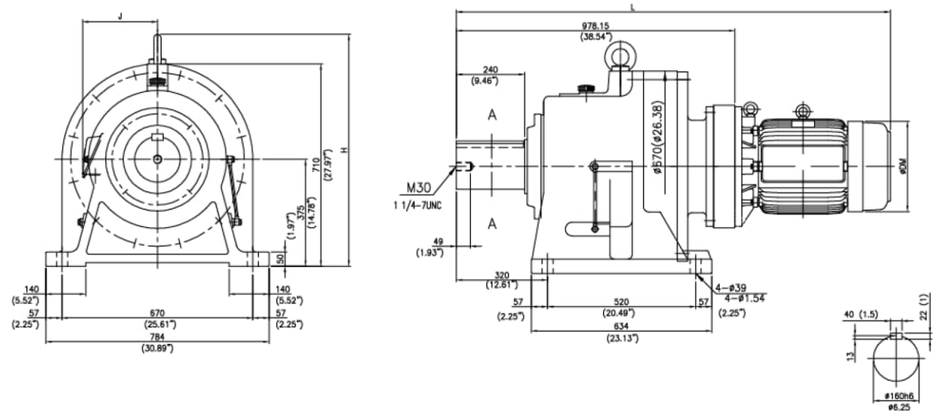
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
7.5	10	4	THHM10 – 824/18	1267.3	224	273		705	49.93	8.82	10.74		1554.2
11	15	4	THHM15 – 824/18	1331.3	263	317		738	52.45	10.35	12.48		1627
15	20	4	THHM20 – 824/18	1375.5	263	317	729	798	54.19	10.35	12.48	28.72	1759.3
18.5	25	4	THHM25 – 824/18	1437.5	304	354		862	56.64	12	13.96		1900.3
22	30	4	THHM30 – 824/18	1437.5	304	354		862	56.64	12	13.96		1900.3

THHM-825/17



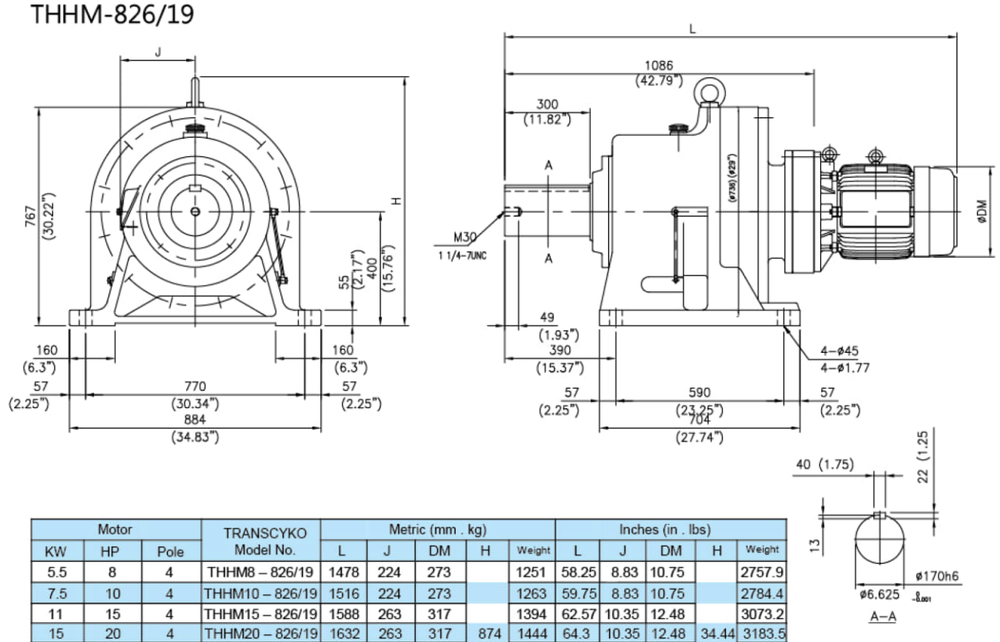
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	THHM5 – 825/17	1310	189	235		1055	51.6	7.46	9.26		2325.8
5.5	8	4	THHM8 – 825/17	1342.6	224	273		1071	52.9	8.83	10.75		2361.2
7.5	10	4	THHM10 – 825/17	1380.6	224	273		1083	54.4	8.83	10.75		2387.6
11	15	4	THHM15 – 825/17	1451.5	263	317	814	1104	57.19	10.34	12.47	32.07	2433.9
15	20	4	THHM20 – 825/17	1496	263	316		1121	58.93	10.34	12.46		2477.9
18.5	25	4	THHM25 – 825/17	1517.7	304	382		1190	59.8	11.98	15.05		2623.5
22	30	4	THHM30 – 825/17	1517.7	304	382		1190	59.8	11.98	15.05		2623.5

THHM-825/19



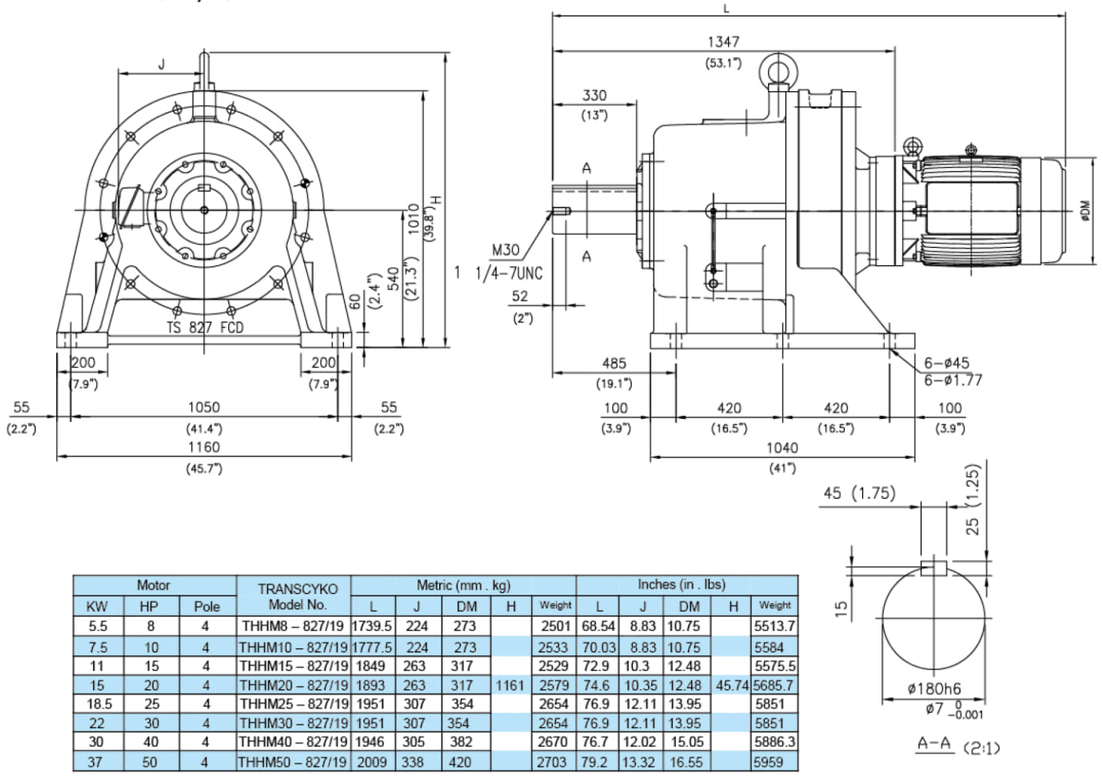
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
7.5	10	4	THHM10 – 825/19	1409	224	272.9		1081	55.5	8.8	10.75		2383.2
11	15	4	THHM15 – 825/19	1480	263	316.7		1140	58.32	10.3	12.48		2513.3
15	20	4	THHM20 – 825/19	1524	263	316.7	814	1190	60.05	10.3	12.48	32.07	2623.5
18.5	25	4	THHM25 – 825/19	1582	307	354		1264	62.33	12.1	13.95		2786.6
22	30	4	THHM30 – 825/19	1582	307	354		1264	62.33	12.1	13.95		2786.6
30	40	4	THHM40 – 825/19	1577	305	382		1280	62.14	12.02	15.05		2821.9

THHM-826/19



Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
5.5	8	4	THHM8 – 826/19	1478	224	273		1251	58.25	8.83	10.75		2757.9
7.5	10	4	THHM10 – 826/19	1516	224	273		1263	59.75	8.83	10.75		2784.4
11	15	4	THHM15 – 826/19	1588	263	317		1394	62.57	10.35	12.48		3073.2
15	20	4	THHM20 – 826/19	1632	263	317	874	1444	64.3	10.35	12.48	34.44	3183.5
18.5	25	4	THHM25 – 826/19	1690	307	354		1519	66.58	12.11	13.95		3348.8
22	30	4	THHM30 – 826/19	1690	307	354		1519	66.58	12.11	13.95		3348.8
30	40	4	THHM40 – 826/19	1685	305	382		1535	66.39	12.02	15.05		3384
37	50	4	THHM50 – 826/19	1748	338.1	420		1569	68.87	13.32	16.55		3459

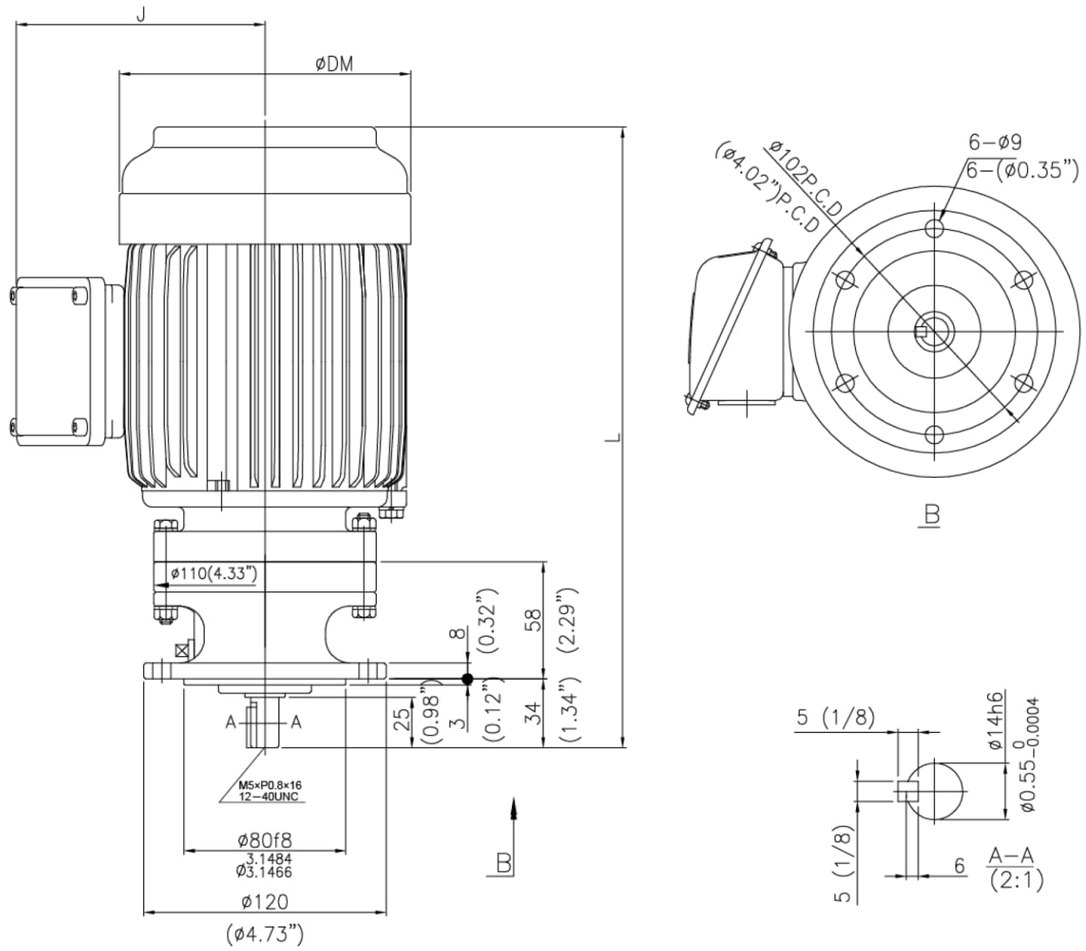
THHM-827/19



Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
5.5	8	4	THHM8 – 827/19	1739.5	224	273		2501	68.54	8.83	10.75		5513.7
7.5	10	4	THHM10 – 827/19	1777.5	224	273		2533	70.03	8.83	10.75		5584
11	15	4	THHM15 – 827/19	1849	263	317		2529	72.9	10.3	12.48		5575.5
15	20	4	THHM20 – 827/19	1893	263	317	1161	2579	74.6	10.35	12.48	45.74	5685.7
18.5	25	4	THHM25 – 827/19	1951	307	354		2654	76.9	12.11	13.95		5851
22	30	4	THHM30 – 827/19	1951	307	354		2654	76.9	12.11	13.95		5851
30	40	4	THHM40 – 827/19	1946	305	382		2670	76.7	12.02	15.05		5886.3
37	50	4	THHM50 – 827/19	2009	338	420		2703	79.2	13.32	16.55		5959

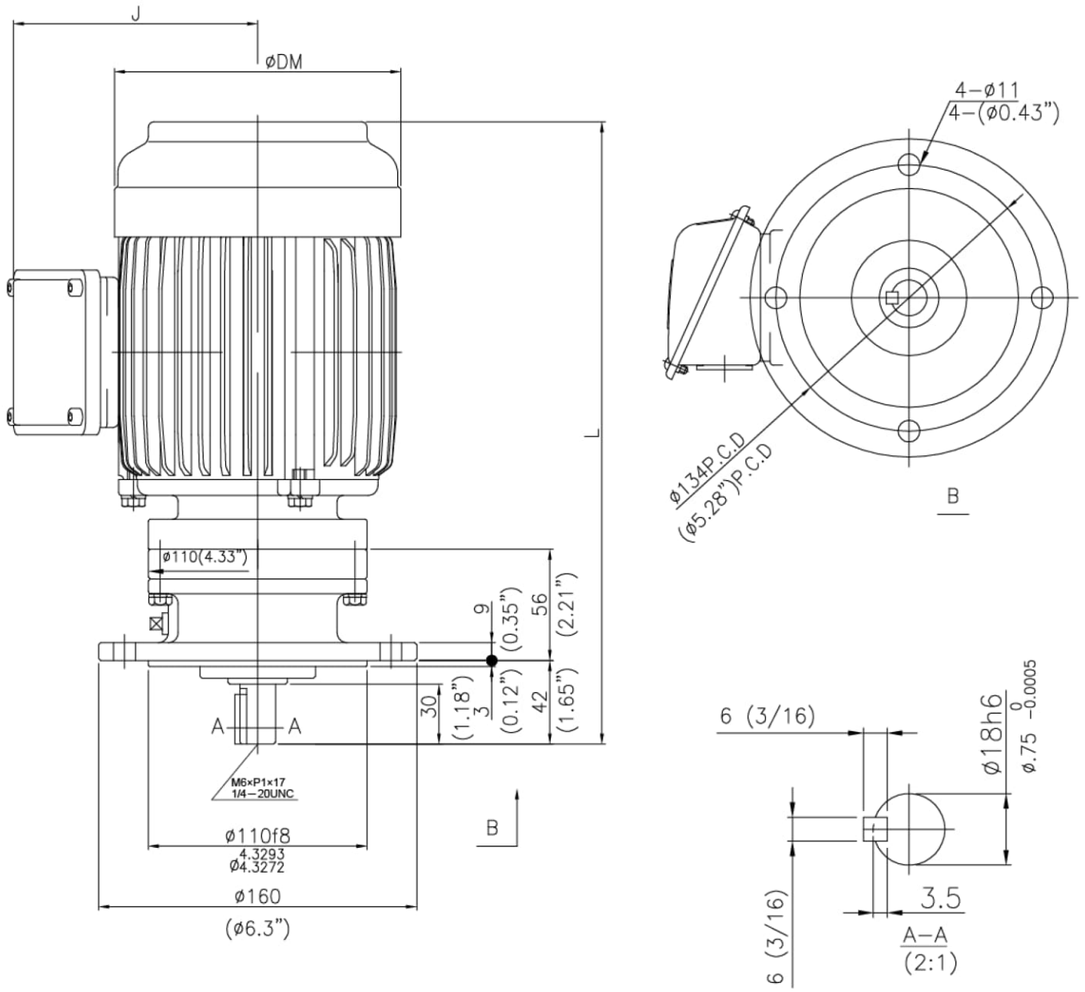
DIMENSION DRAWINGS For Single Stage Reduction, Vertical TRANSCYKO Gearmotor

TVM-807



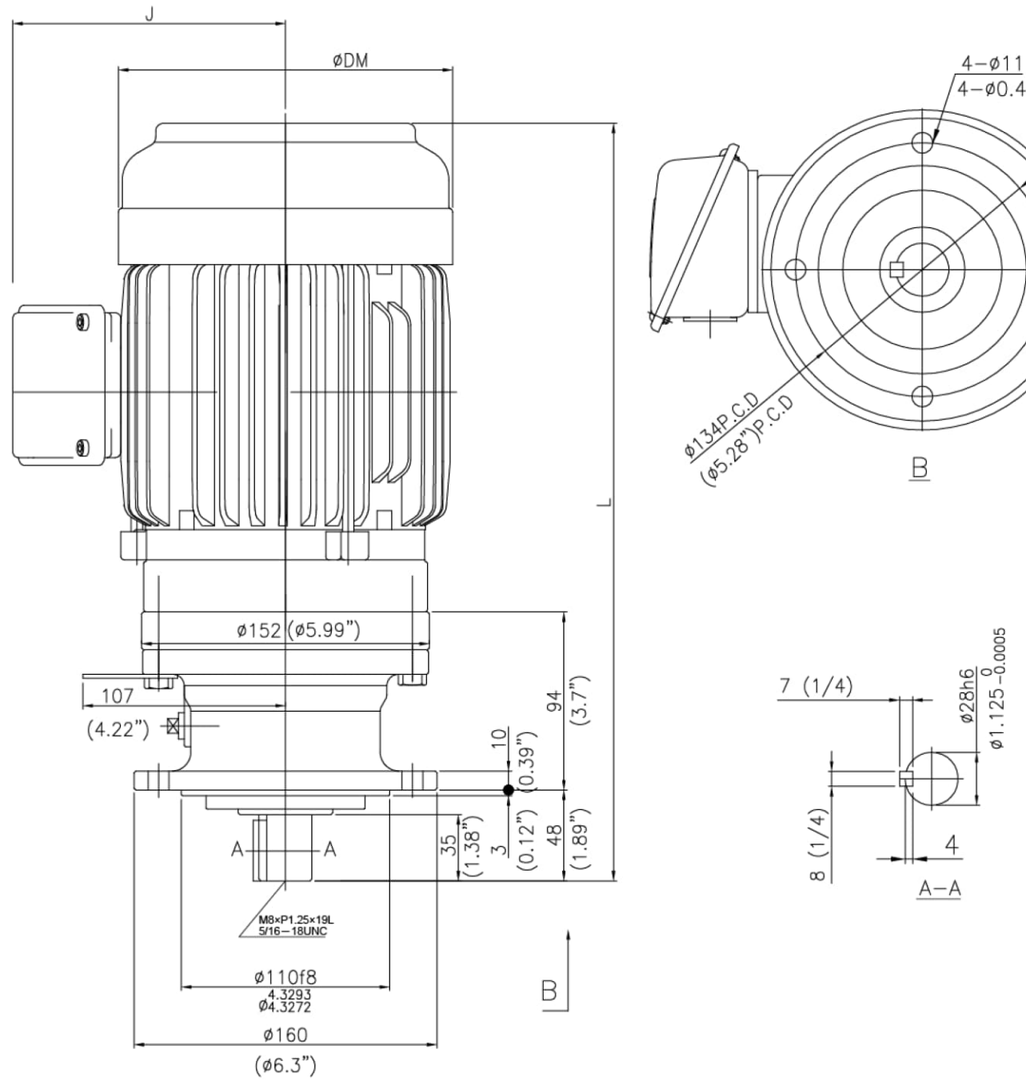
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	TVM02 – 807	307	123	144	- - -	13	12.1	4.86	5.68	- - -	26.4
0.4	½	4	TVM05 – 807	330.5	133	161	- - -	15	13.02	5.25	6.36	- - -	33

TVM-808



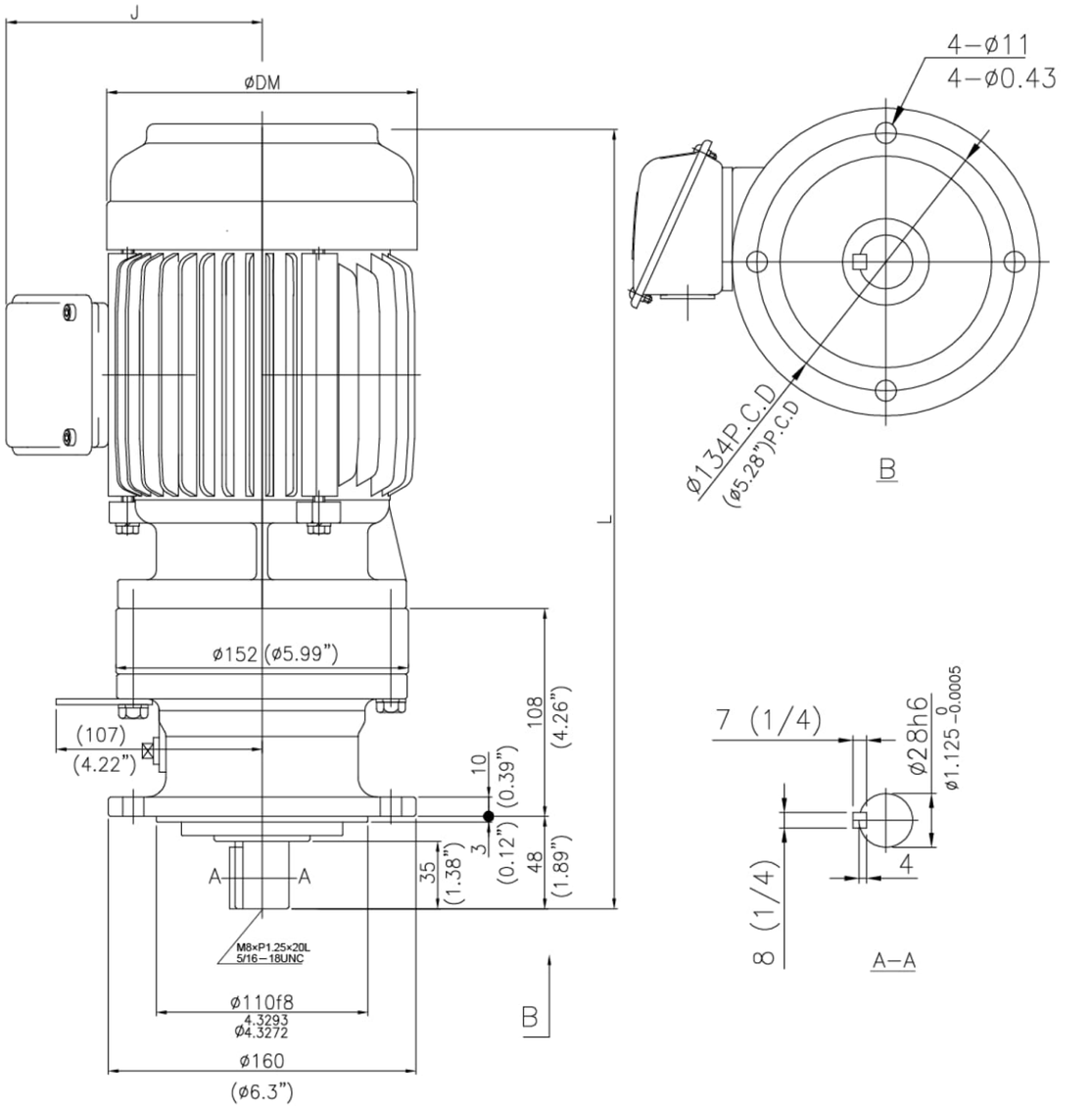
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	TVM02 – 808	313	123	144	- - -	14	12.33	4.85	5.68	- - -	30.8
0.4	½	4	TVM05 – 808	336.5	133	162	- - -	16	13.26	5.25	6.36	- - -	35.2

TVM-809



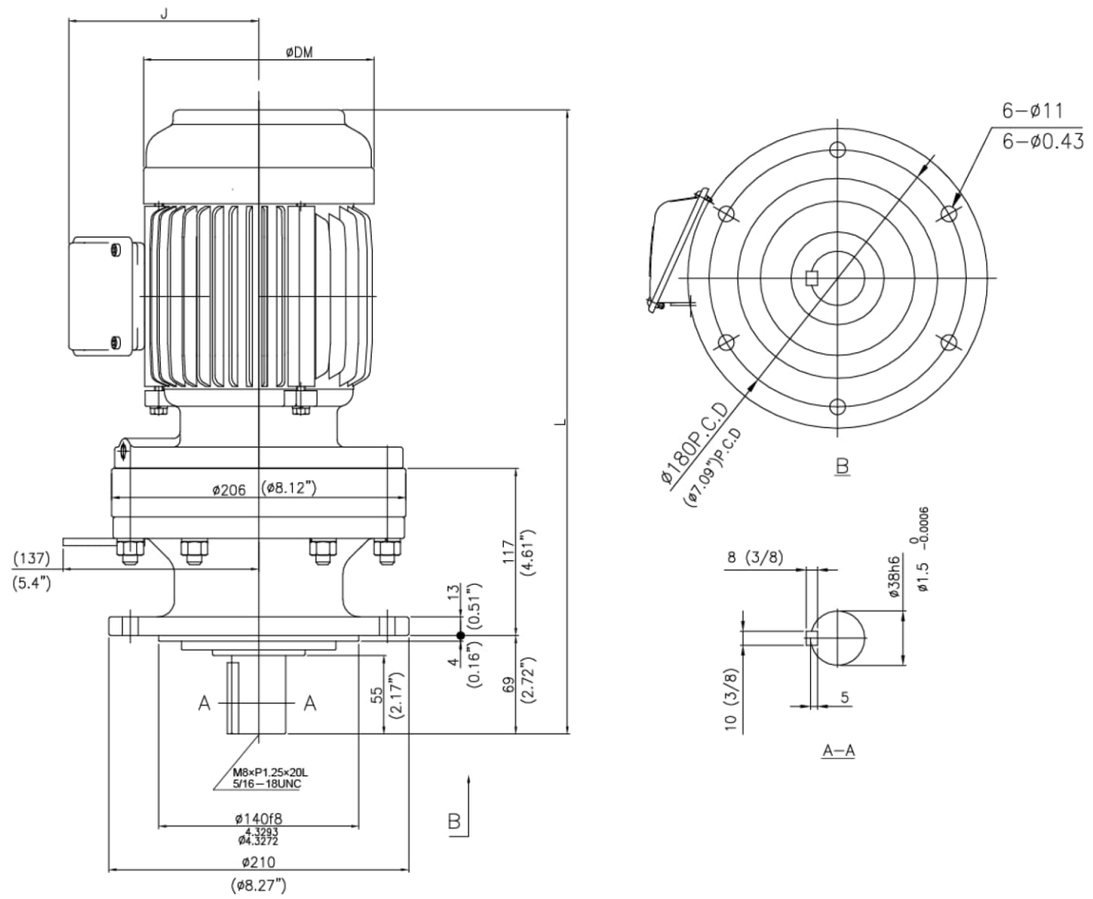
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	TVM02 – 809	370.5	123	144		18	14.6	4.85	5.68		39.6
0.4	½	4	TVM05 – 809	394	133	161	- - -	20	15.52	5.24	6.36	- - -	44.0
0.75	1	4	TVM1 – 809	400	144	176		24	15.76	5.67	6.95		52.9

TVM-810



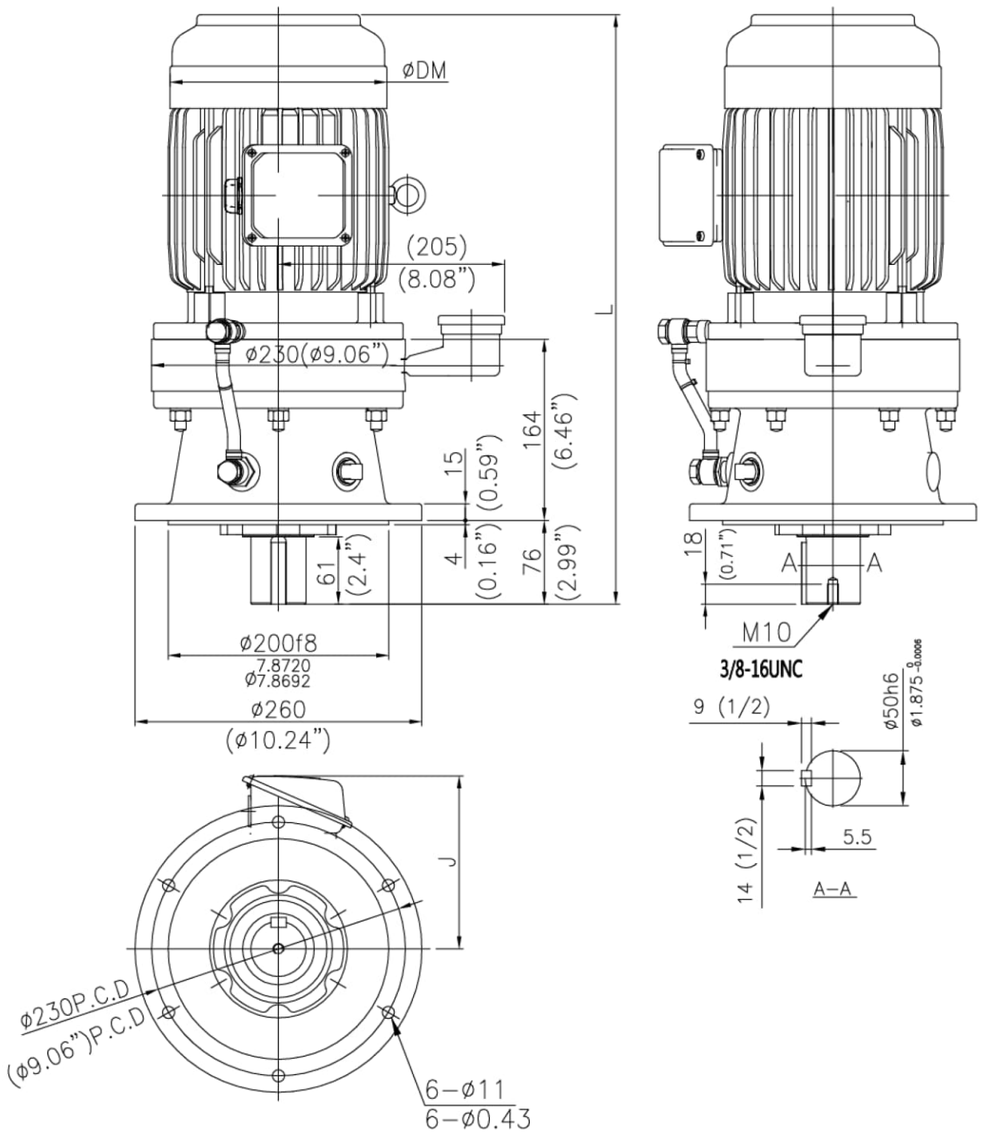
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	TVM05 – 810	408	133	161		25	16.07	5.24	6.36		55.1
0.75	1	4	TVM1 – 810	405	144	176.5	- - -	29	15.96	5.67	6.95	- - -	63.9
1.5	2	4	TVM2 – 810	442	157	196.5		37	17.41	6.19	7.74		81.5
2.2	3	4	TVM3 – 810	470	180	218.9		47	18.52	7.09	8.62		103.6

TVM-812



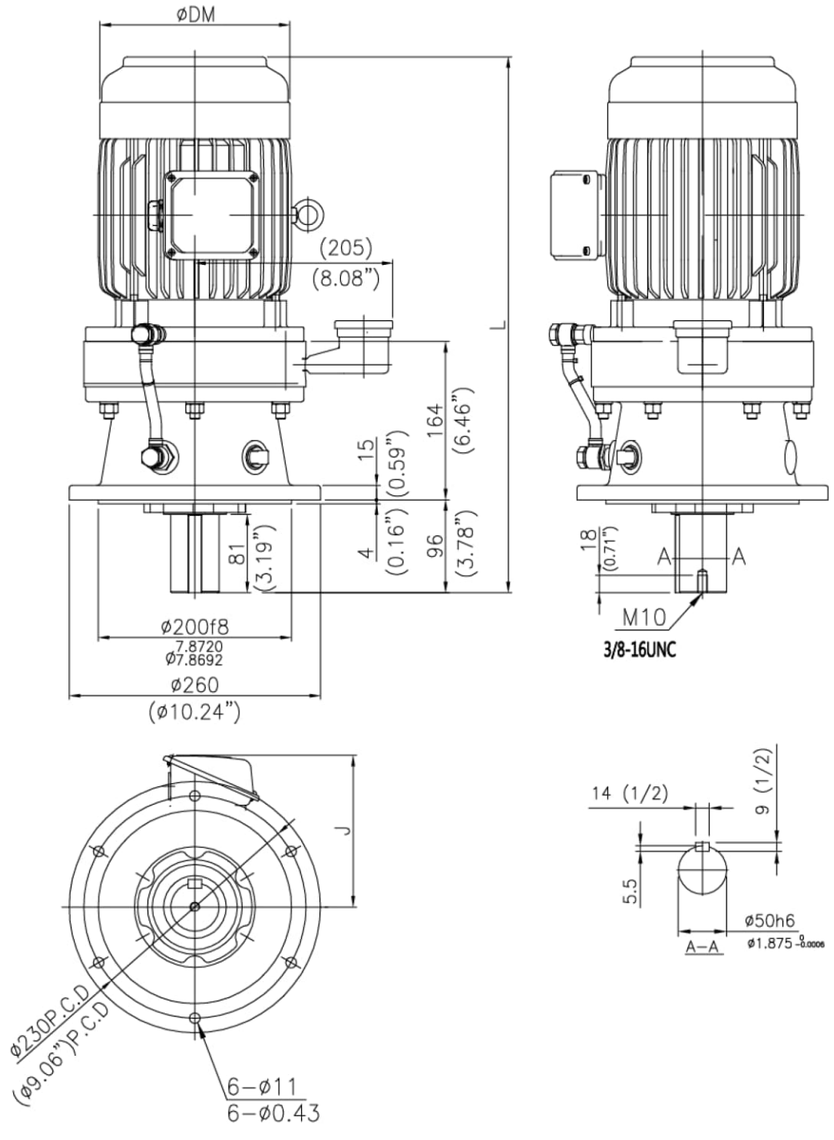
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	TVM05 – 812	437	133	162		35	17.22	5.24	6.36		77
0.75	1	4	TVM1 – 812	444.5	144	177		38	17.51	5.67	6.95		83.6
1.5	2	4	TVM2 – 812	481.5	157	197	- - -	47	18.97	6.19	7.74	- - -	103.8
2.2	3	4	TVM3 – 812	508	180	219		56	20.02	7.09	8.62		123.2
3.7	5	4	TVM5 – 812	522.5	189	235		67	20.59	7.45	9.26		147.4

TDVM-813



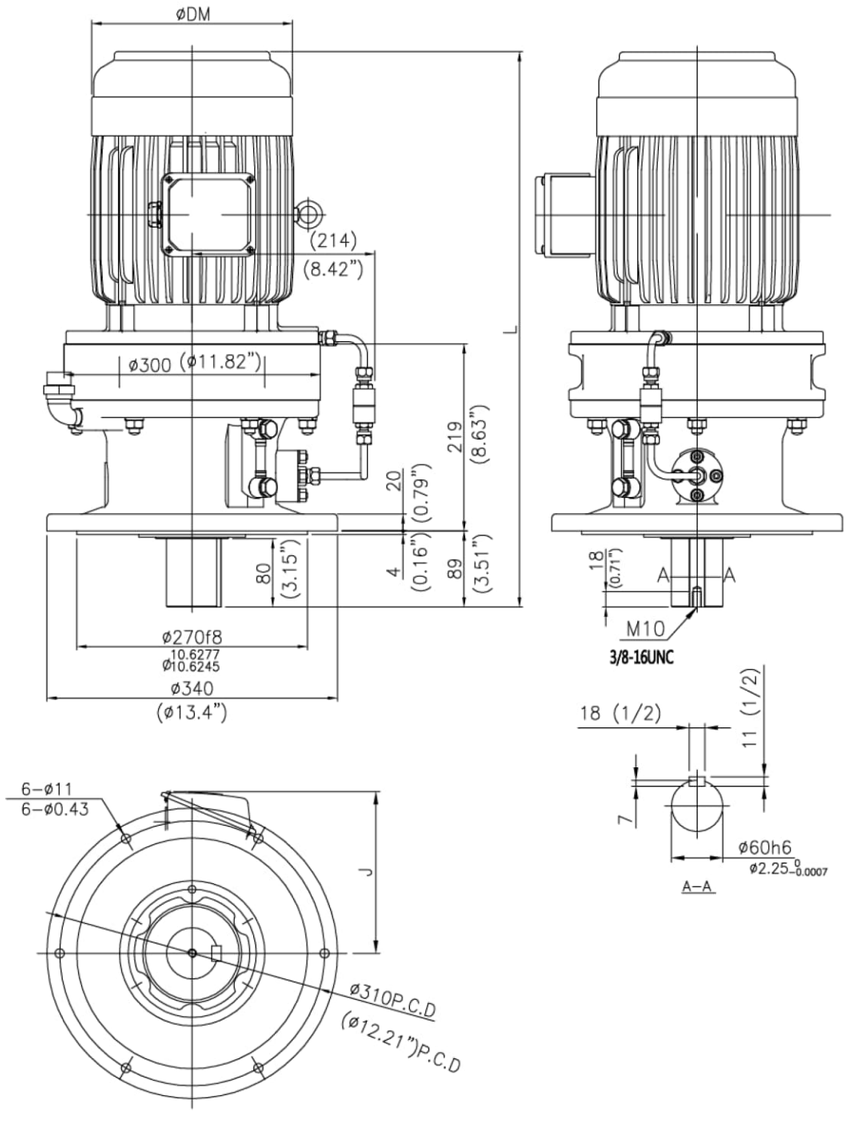
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TDVM1– 813	494.5	144	176		57	19.48	5.67	6.95		125.6
1.5	2	4	TDVM2– 813	534.5	157	196		66	21.06	6.19	7.74		145.5
2.2	3	4	TDVM3– 813	562.5	180	219	---	78	22.16	7.07	8.62	---	171.6
3.7	5	4	TDVM5– 813	579	189	235		89	22.81	7.46	9.26		195.8
5.5	8	4	TDVM8– 813	621.5	224	273		103	24.49	8.83	10.75		226.6
7.5	10	4	TDVM10– 813	659.5	224	273		115	25.98	8.83	10.75		253

TDVM-814



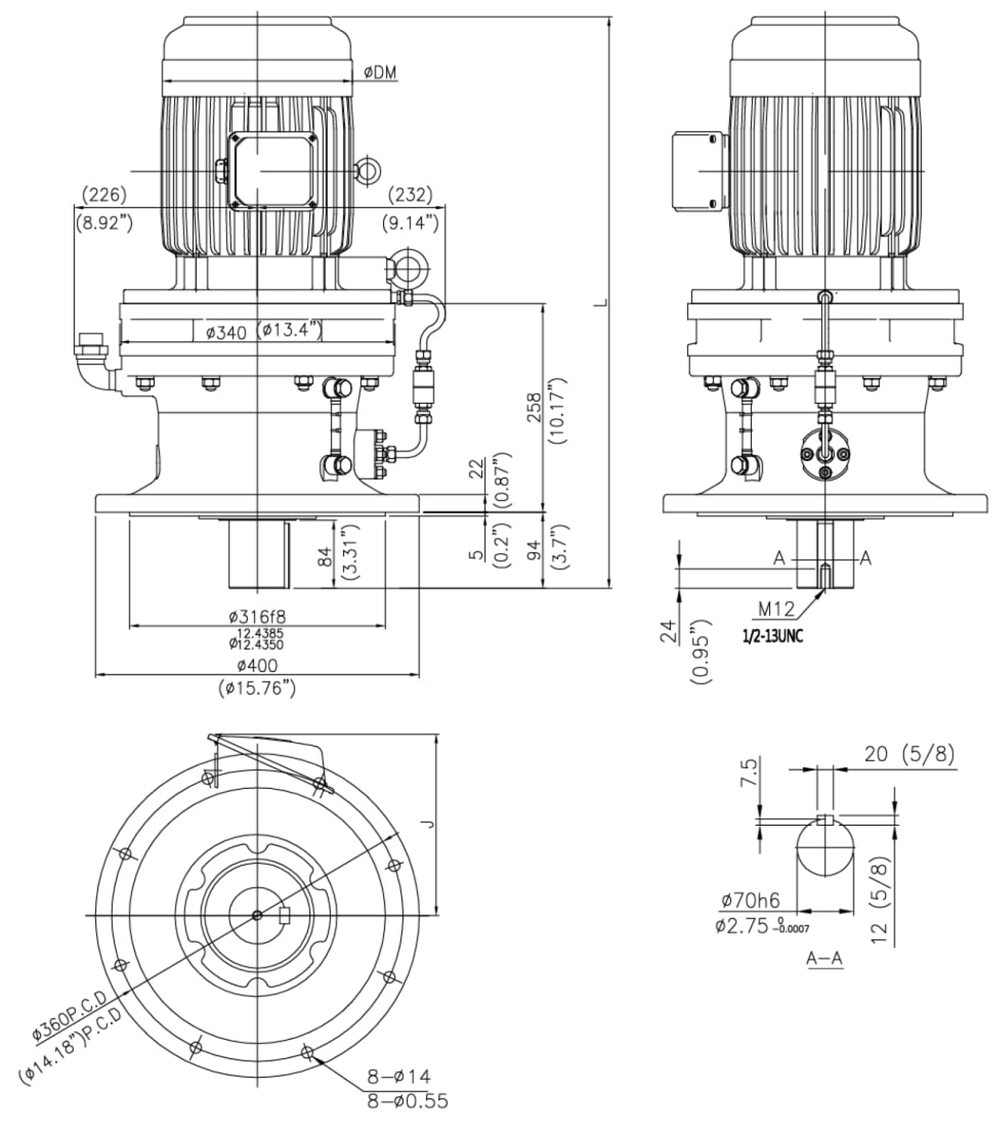
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TDVM1 – 814	514.5	144	176		58	20.27	5.67	6.95		127.9
1.5	2	4	TDVM2 – 814	554.5	157	196		67	21.85	6.19	7.74		147.7
2.2	3	4	TDVM3 – 814	554.5	180	196	---	79	21.85	7.07	7.74	---	174.2
3.7	5	4	TDVM5 – 814	599	189	235		90	23.6	7.46	9.26		198.4
5.5	8	4	TDVM8 – 814	641.5	224	273		104	25.28	8.83	10.75		229.3
7.5	10	4	TDVM10 – 814	679.5	224	273		116	26.77	8.83	10.75		255.7

TDVM-816



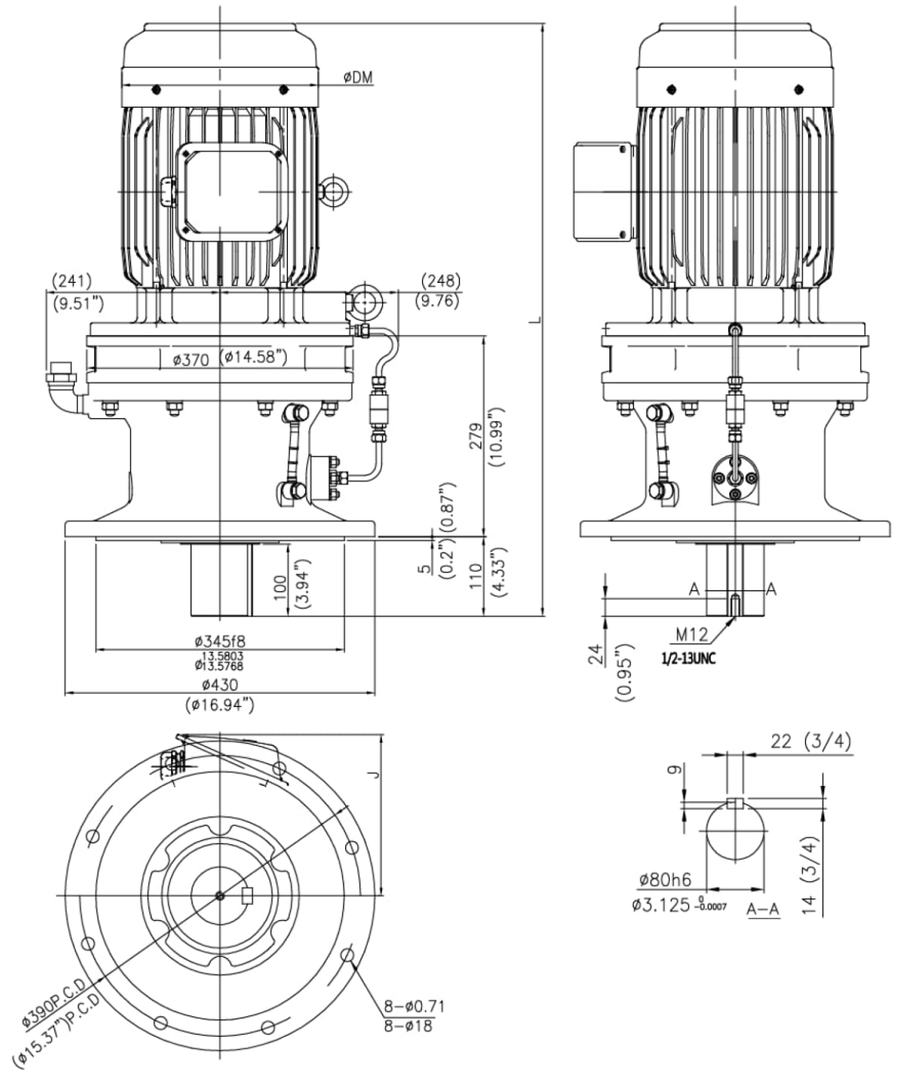
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
1.5	2	4	TDVM2 – 816	633.5	150	219		103	24.96	5.89	8.62		227.1
2.2	3	4	TDVM3 – 816	633.5	180	219		115	24.96	7.07	8.62		253.5
3.7	5	4	TDVM5 – 816	650	189	235	- - -	125	25.61	7.46	9.26	- - -	275.6
5.5	8	4	TDVM8 – 816	683	224	273		140	26.91	8.83	10.75		308.6
7.5	10	4	TDVM10 – 816	721	224	273		152	28.41	8.83	10.75		335.1
11	15	4	TDVM15 – 816	804	263	317		174	31.68	10.35	12.48		383.6
15	20	4	TDVM20 – 816	847.5	263	317		191	33.39	10.35	12.48		421.1

TDVM-817



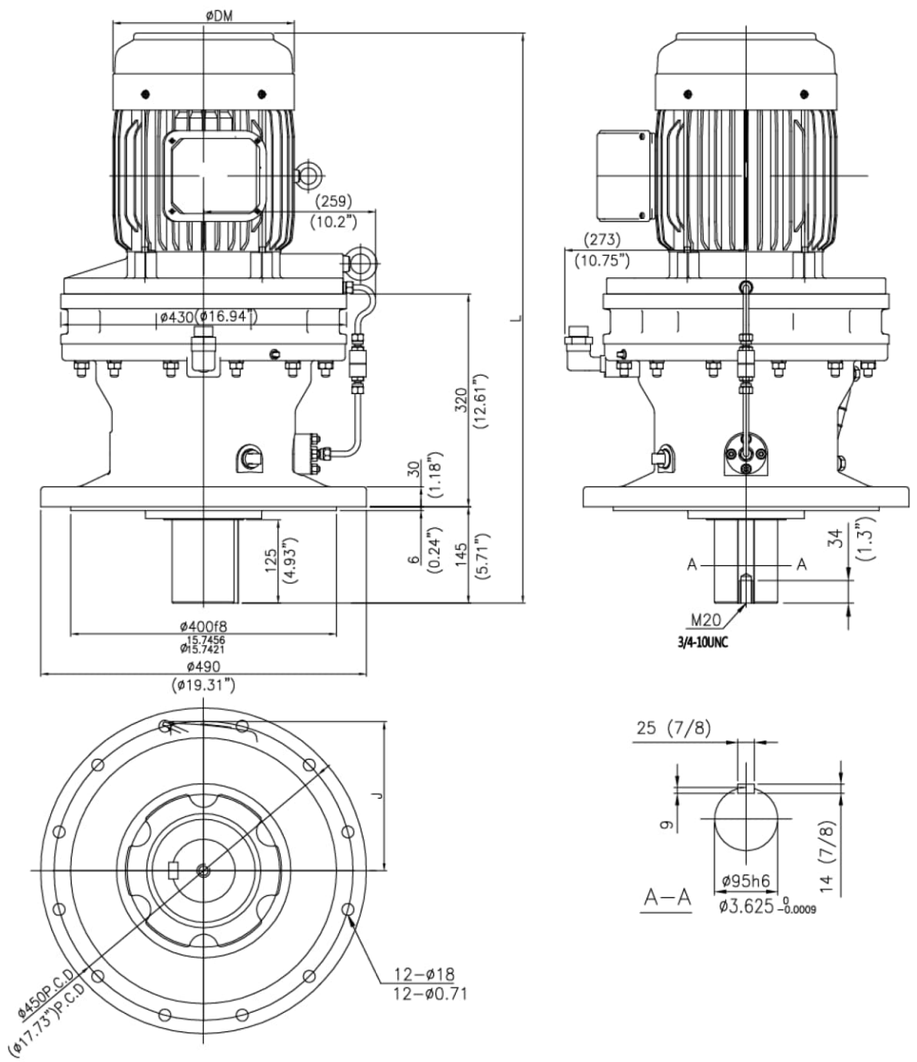
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	TDVM5 – 817	706	189	235		170	27.82	7.46	9.26		374.8
5.5	8	4	TDVM8 – 817	739	224	271		185	29.12	8.83	10.75		407.8
7.5	10	4	TDVM10 – 817	777	224	273	- - -	198	30.61	8.83	10.75	- - -	436.5
11	15	4	TDVM15 – 817	848	263	317		199	33.41	10.34	12.47		438.7
15	20	4	TDVM20 – 817	892	263	316		234	35.14	10.34	12.46		515.8
18.5	25	4	TDVM25 – 817	914	304	382		301	36.02	11.98	15.05		663.6
22	30	4	TDVM30 – 817	914	304	382		312	36.02	11.98	15.05		687.8

TDVM-818



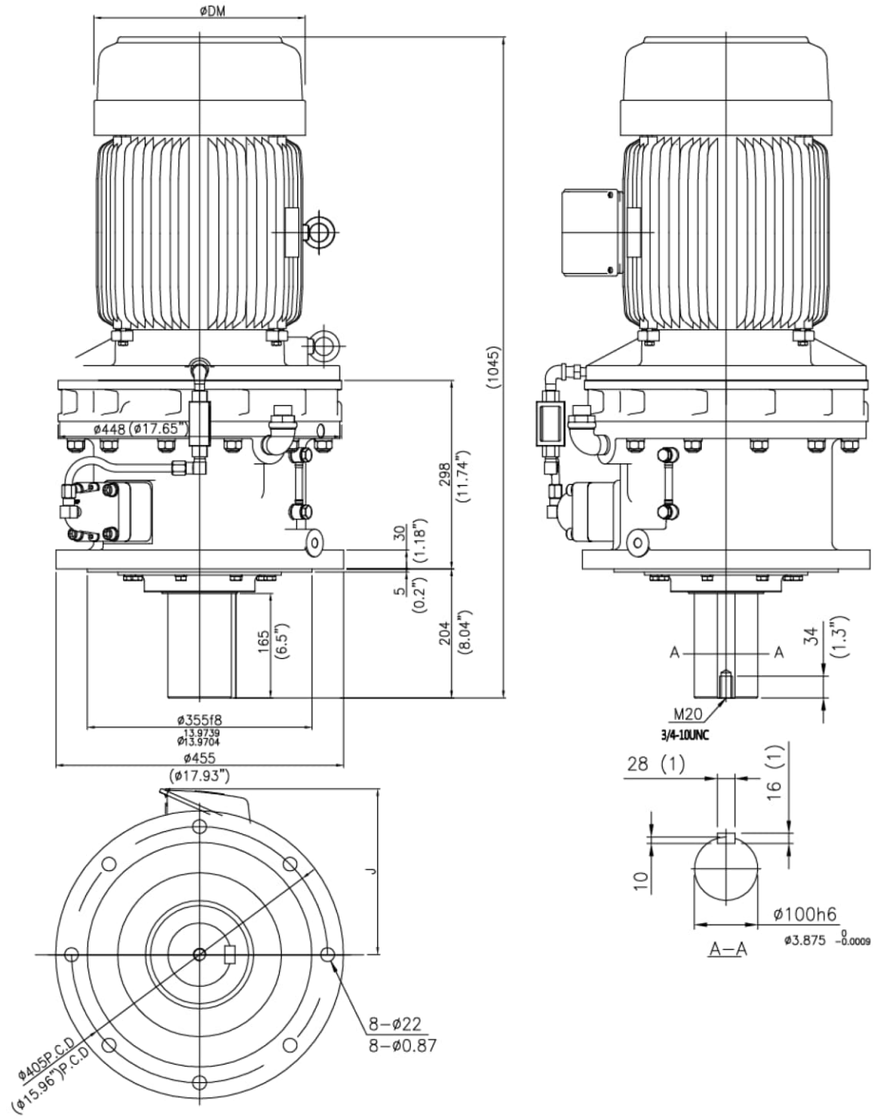
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	TDVM5 – 818	756	189	238		195	29.79	7.4	9.38		429.9
5.5	8	4	TDVM8 – 818	785	218	273		211	30.93	8.59	10.75		465.2
7.5	10	4	TDVM10 – 818	822.8	224	273		223	32.42	8.82	10.74		491.6
11	15	4	TDVM15 – 818	887	263	317	- - -	261	34.94	10.35	12.48	- - -	575.2
15	20	4	TDVM20 – 818	931	263	317		265	36.68	10.35	12.48		584.2
18.5	25	4	TDVM25 – 818	993	304	354		327	39.12	12	13.96		720.9
22	30	4	TDVM30 – 818	993	304	354		327	39.12	12	13.96		720.9
30	40	4	TDVM40 – 818	1031	304	354		344	40.62	12	13.96		758.3

TDVM-819



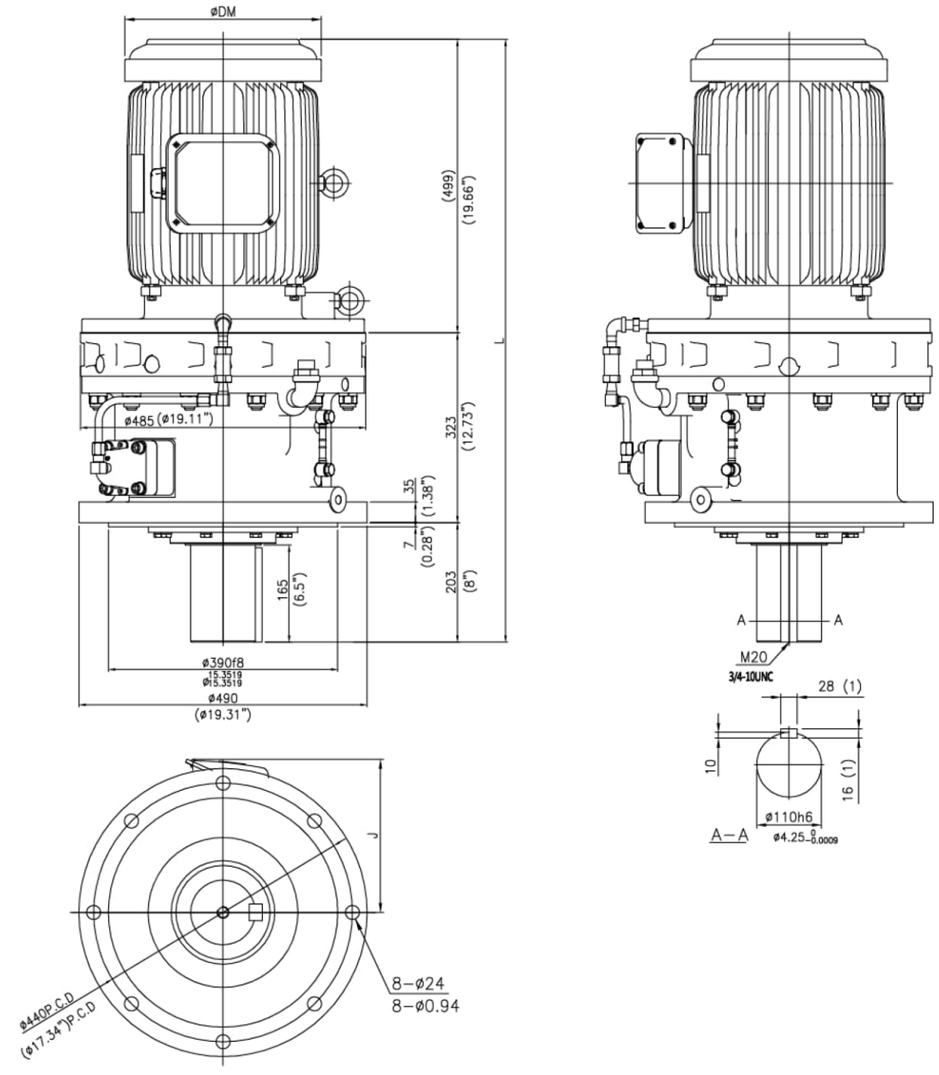
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
5.5	8	4	TDVM8 – 819	857	224	273		274	33.79	8.82	10.75		604.1
7.5	10	4	TDVM10 – 819	895	224	273		285	35.28	8.82	10.75		628.3
11	15	4	TDVM15 – 819	967	263	317		311	38.1	10.35	12.48		685.6
15	20	4	TDVM20 – 819	1011	263	317	- - -	330	39.83	10.35	12.48	- - -	727.5
18.5	25	4	TDVM25 – 819	1069	308	354		401	42.11	12.12	13.95		884.1
22	30	4	TDVM30 – 819	1069	307	354		401	42.11	12.12	13.95		884.1
30	40	4	TDVM40 – 819	1064	305	382		417	41.92	12.01	15.05		919.3
37	50	4	TDVM50 – 819	1135	339	420		452	44.4	13.37	16.55		996.5

TDVM-820



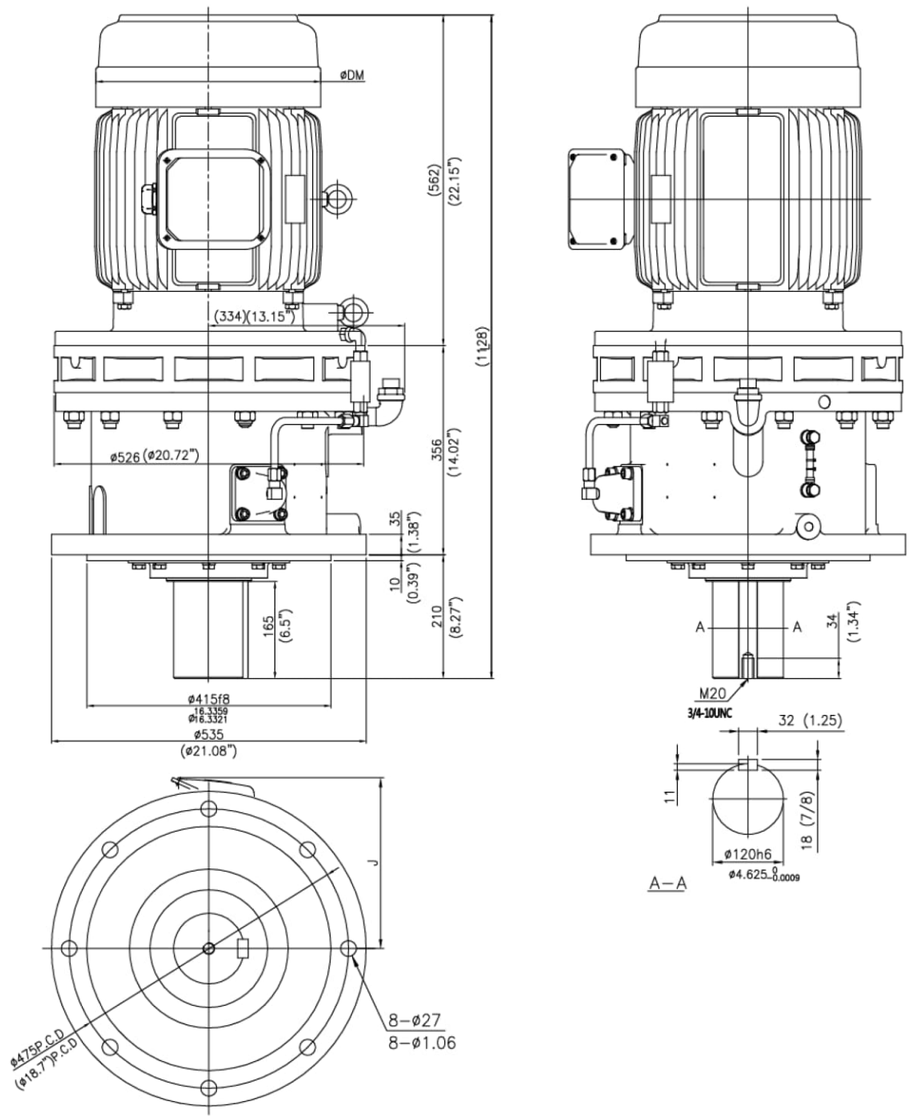
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
11	15	4	TDVM15 – 820	1001	262	334		334	39.44	10.34	13.16		736.3
15	20	4	TDVM20 – 820	1045	262	334		345	41.17	10.34	13.16		760.6
18.5	25	4	TDVM25 – 820	1106	305	328		382	43.58	12.01	12.92		842.1
22	30	4	TDVM30 – 820	1106	305	328	- - -	382	43.58	12.01	12.92	- - -	842.1
30	40	4	TDVM40 – 820	1145	305	328		392	45.11	12.01	12.92		864.2
37	50	4	TDVM50 – 820	1165	339	420		420	45.9	13.37	16.55		925.9
45	60	4	TDVM60 – 820	1165	339	420		420	45.9	13.37	16.55		925.9

TDVM-821



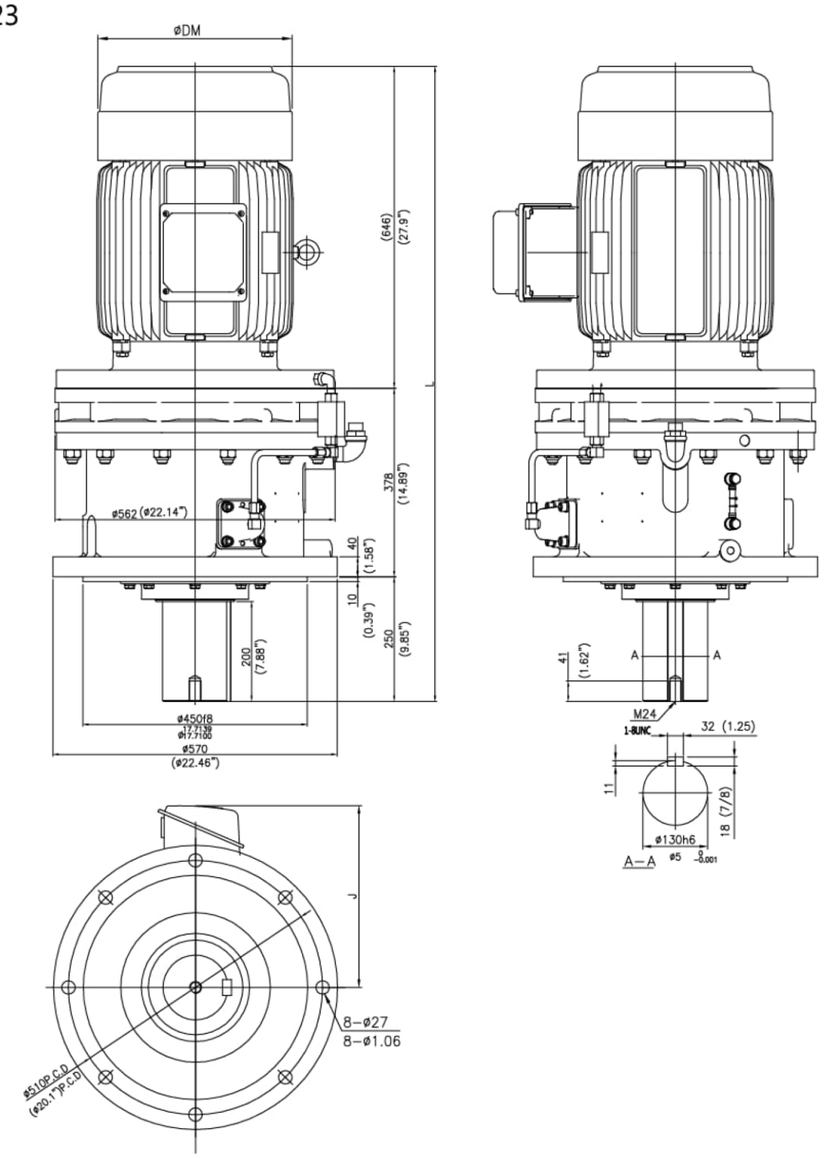
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
11	15	4	TDVM15 – 821	1028	260	334		413	40.5	10.3	13.16		910.5
15	20	4	TDVM20 – 821	1069	260	334		432	42.12	10.3	13.16		952.3
18.5	25	4	TDVM25 – 821	1088	305	382		465	42.87	12	15.05		1025.1
22	30	4	TDVM30 – 821	1131	307	354	- - -	495	44.56	12.1	13.94	- - -	1091.3
30	40	4	TDVM40 – 821	1168	305	382		508	46.02	12	15.06		1119.9
37	50	4	TDVM50 – 821	1196	340	420		562	47.12	13.4	16.55		1238.9
45	60	4	TDVM60 – 821	1224	340	420		562	48.23	13.4	16.55		1238.9
55	75	4	TDVM75 – 821	1227	387	458		655	48.34	15.2	18.05		1444

TDVM-822



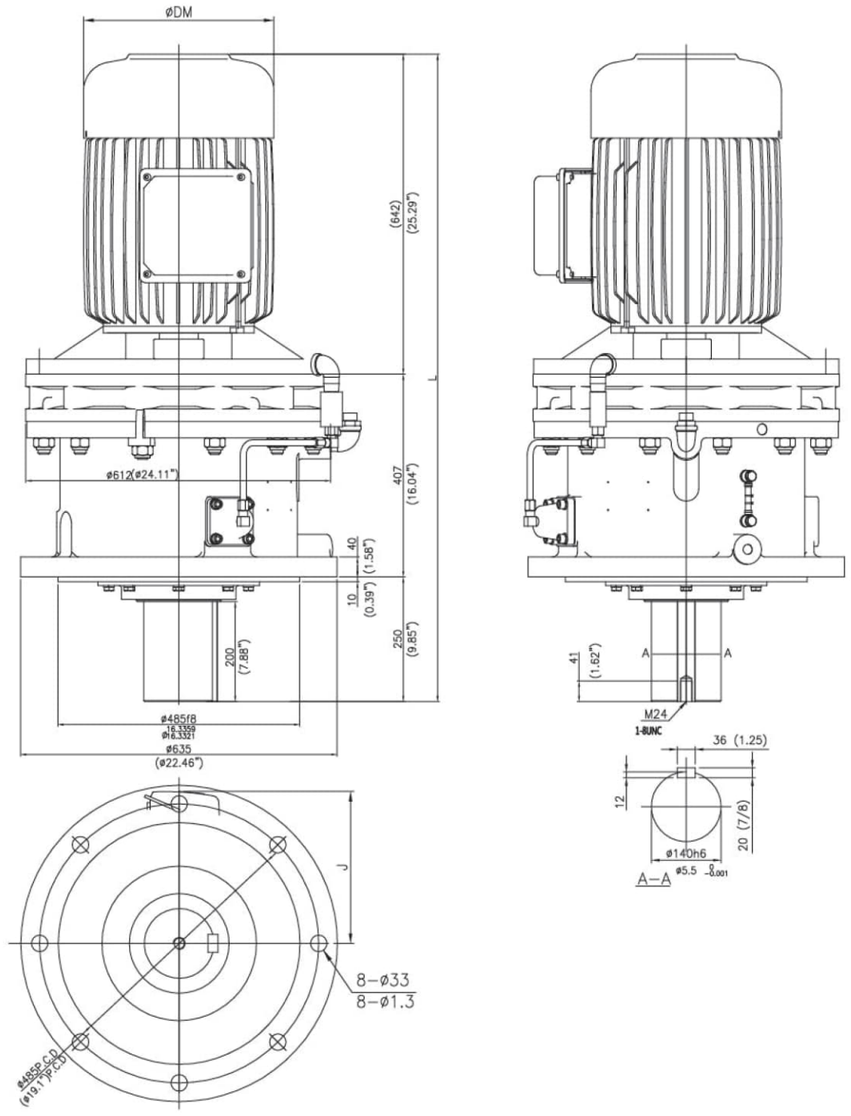
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
18.5	25	4	TDVM25 – 822	1128	305	382		573	44.44	12	15.05		1263
22	30	4	TDVM30 – 822	1170	305	382		587	46.1	12	15.05		1294.1
30	40	4	TDVM40 – 822	1166	305	382	- - -	600	45.94	12	15.05	- - -	1322.7
37	50	4	TDVM50 – 822	1229	339	420		638	48.42	13.3	16.55		1406.5
45	60	4	TDVM60 – 822	1236	339	458		653	48.7	13.3	18.05		1439.6
55	75	4	TDVM75 – 822	1307	387	458		736	51.5	15.2	18.05		1622.6

TDVM-823



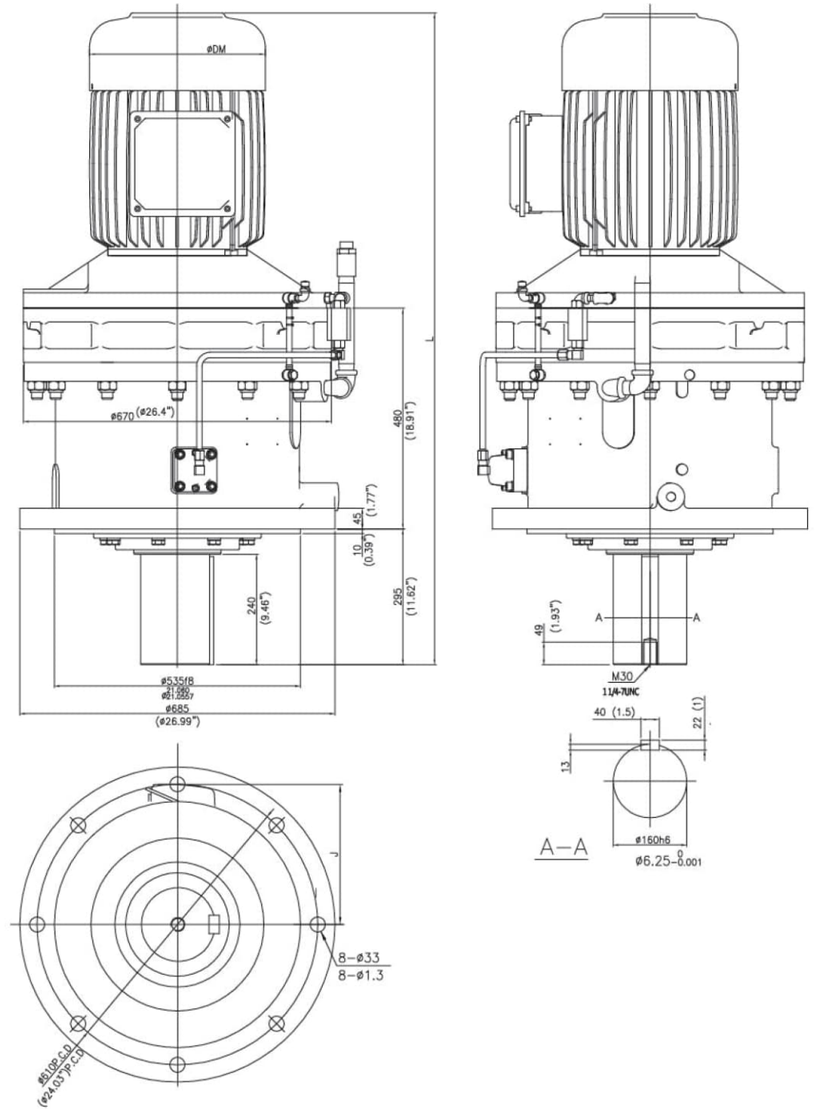
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
15	20	6	TDVM20/6 – 823	1236	305	382		647	48.7	12	15.05		1426.3
18.5	25	6	TDVM25/6 – 823	1274	365	390		665	50.2	14.4	15.37		1466
22	30	6	TDVM30/6 – 823	1274	365	390		665	50.2	14.4	15.37		1466
30	40	6	TDVM40/6 – 823	1294.5	370	420	- - -	739	51	14.6	16.53	- - -	1629
37	50	6	TDVM50/6 – 823	1294.5	370	420		739	51	14.6	16.53		1629
45	60	6	TDVM60/6 – 823	1373	383	510		799	54.1	15.09	20.09		1761.5
55	75	6	TDVM75/6 – 823	1373	462	510		854	54.1	18.2	20.09		1882.7

TDVM-824



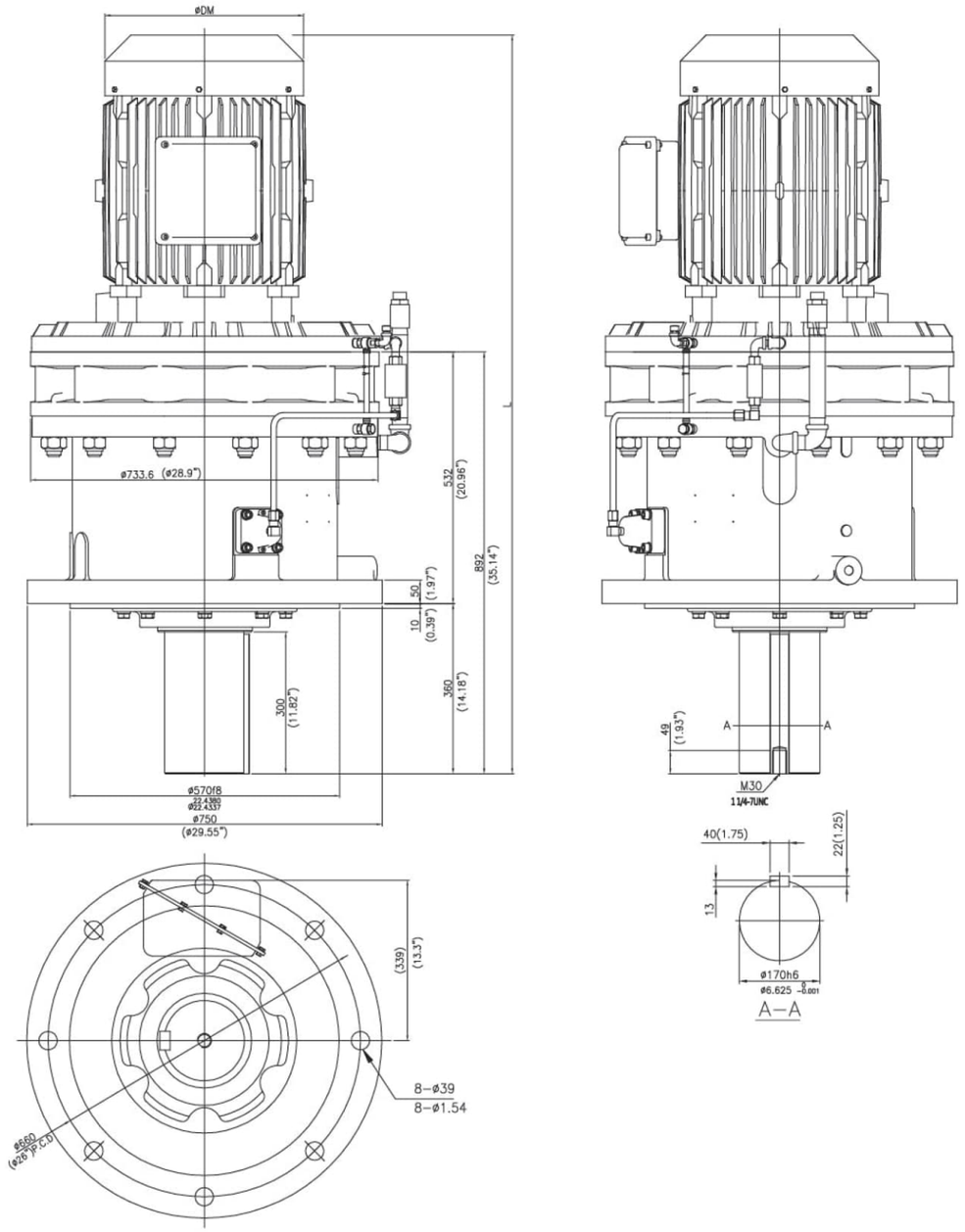
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
15	20	6	TDVM20/6 – 824	1267	305	382		753	49.92	12.02	15.05		1660.1
18.5	25	6	TDVM25/6 – 824	1299	305	382		711	51.18	12.02	15.05		1567.4
22	30	6	TDVM30/6 – 824	1299	305	382		711	51.18	12.02	15.05		1567.4
30	40	6	TDVM40/6 – 824	1324	339	420	- - -	845	52.17	13.36	16.55	- - -	1862.9
37	50	6	TDVM50/6 – 824	1324	339	420		845	52.17	13.36	16.55		1862.9
45	60	6	TDVM60/6 – 824	1399	387	458		907	55.12	15.25	18.05		1999.6
55	75	6	TDVM75/6 – 824	1576	515	542		956	62.09	20.29	21.35		2107.6

TDVM-825



Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
18.5	25	6	TDVM25/6 – 825	1417	304	382		1059	55.83	12	15.05		2334.7
22	30	6	TDVM30/6 – 825	1417	304	382		1059	55.83	12	15.05		2334.7
30	40	6	TDVM40/6 – 825	1442	339	420	- - -	1138	56.81	13.3	16.55	- - -	2508.8
37	50	6	TDVM50/6 – 825	1442	339	420		1138	56.81	13.3	16.55		2508.8
45	60	6	TDVM60/6 – 825	1517	387	458		1188	59.77	15.2	18.05		2619.1
55	75	6	TDVM75/6 – 825	1694	515	542		1239	66.74	20.3	21.35		2731.5

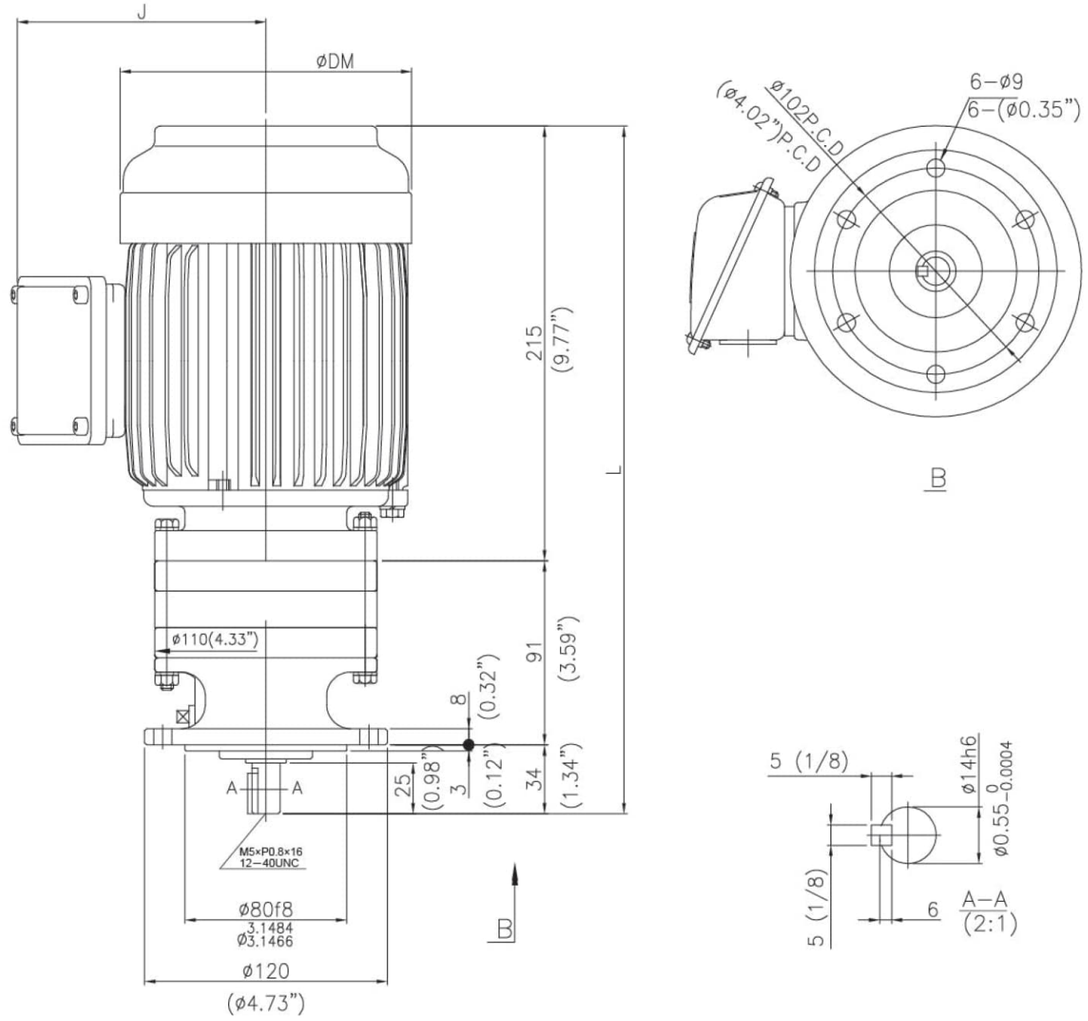
TDVM-826



Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
30	40	6	TDVM40/6 – 826	1652	339	420		1388	61.54	13.3	16.55		3060
37	50	6	TDVM50/6 – 826	1562	339	420	- - -	1388	61.54	13.3	16.55	- - -	3060
45	60	6	TDVM60/6 – 826	1635	387	474		1464	64.42	15.2	18.68		3227.6

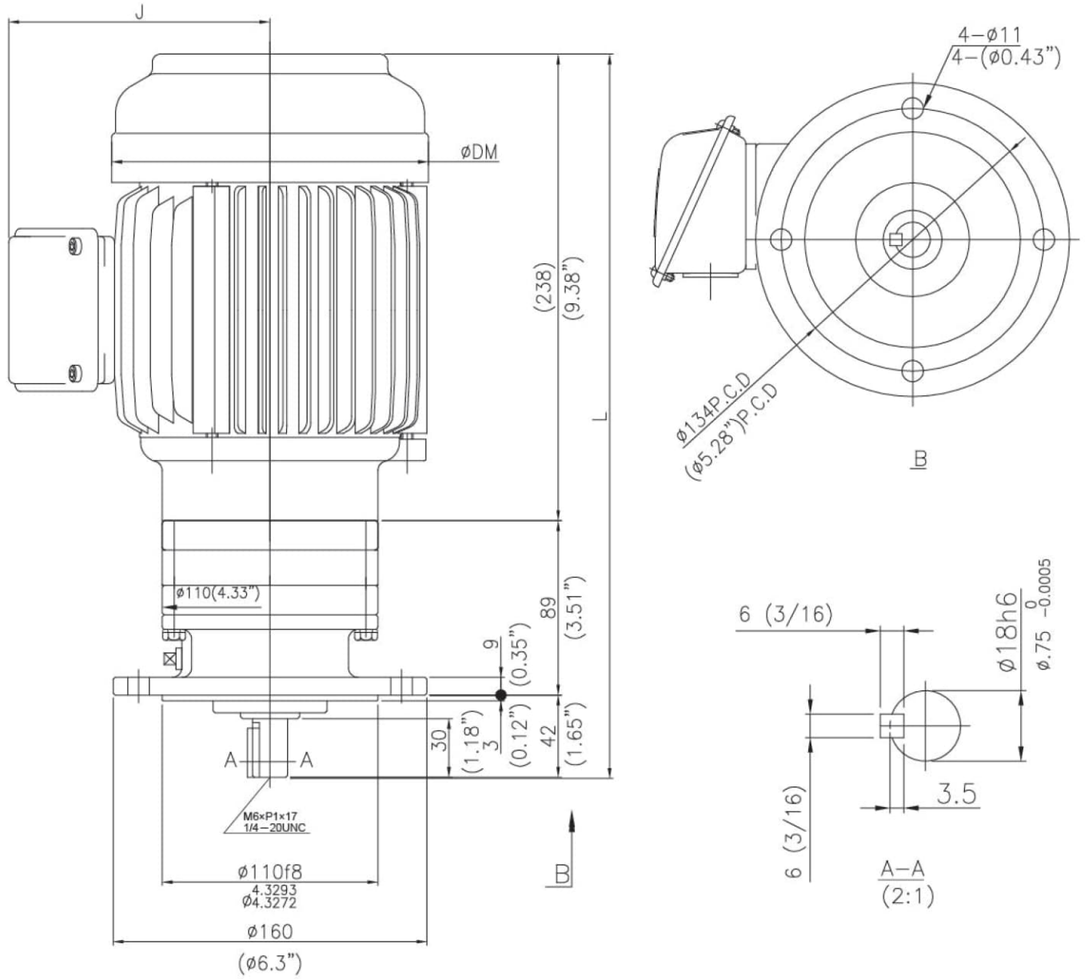
DIMENSION DRAWINGS For Double Stage Reduction, Vertical TRANSCYKO Gearmotor

TVM-807/07



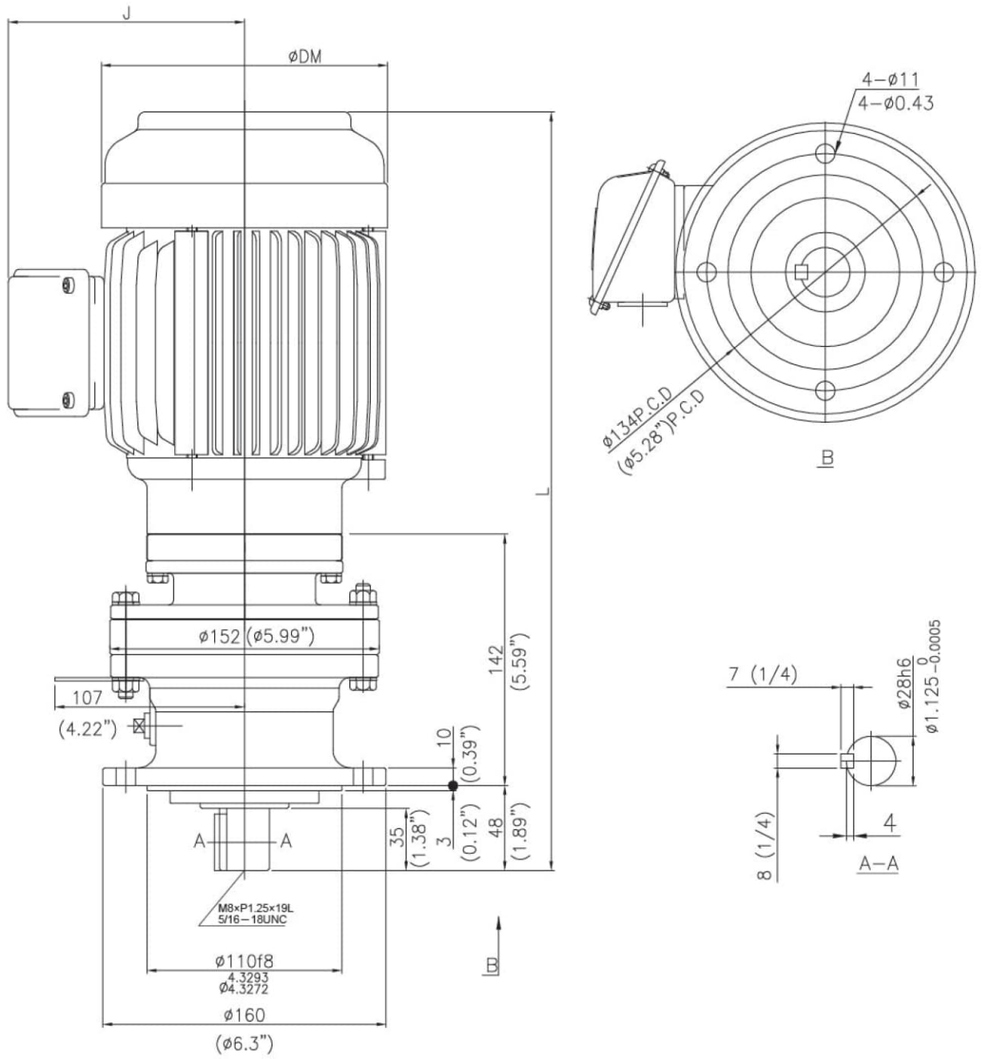
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight\
0.2	¼	4	TVM02 – 807/07	340	123	144	- - -	13	13.4	4.85	5.68	- - -	28.6
0.4	½	4	TVM05 – 807/07	363	133	161	- - -	15	14.31	5.25	6.36	- - -	33.1

TVM-808/07



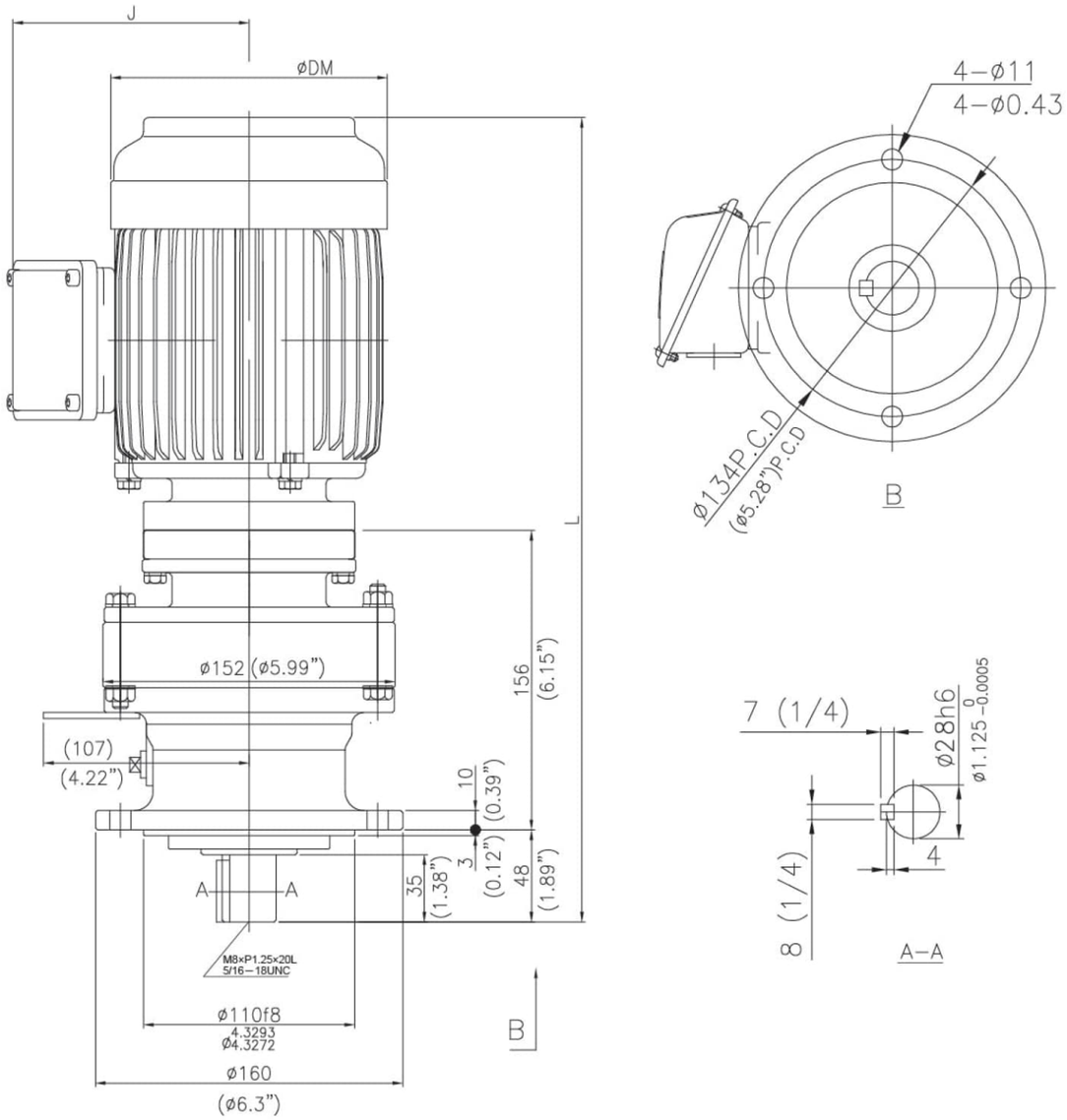
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	TVM02 – 808/07	346	123	144	- - -	14	13.63	4.85	5.68	- - -	30.8
0.4	½	4	TVM05 – 808/07	369.5	133	162	- - -	16	14.56	5.25	6.36	- - -	35.3

TVM-809/08



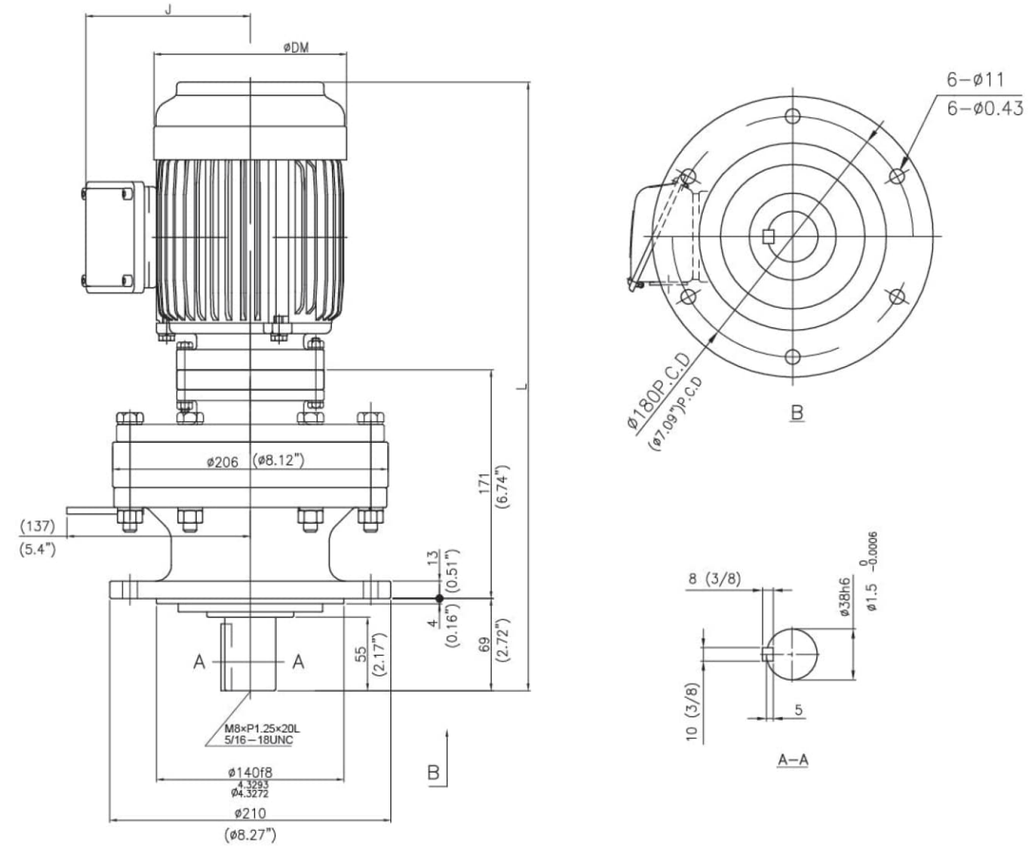
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	TVM02 – 809/08	405	123	144	- - -	21	15.96	4.85	5.68	- - -	46.3
0.4	½	4	TVM05 – 809/08	429	133	162	- - -	23	16.88	5.25	6.36	- - -	50.7

TVM-810/08



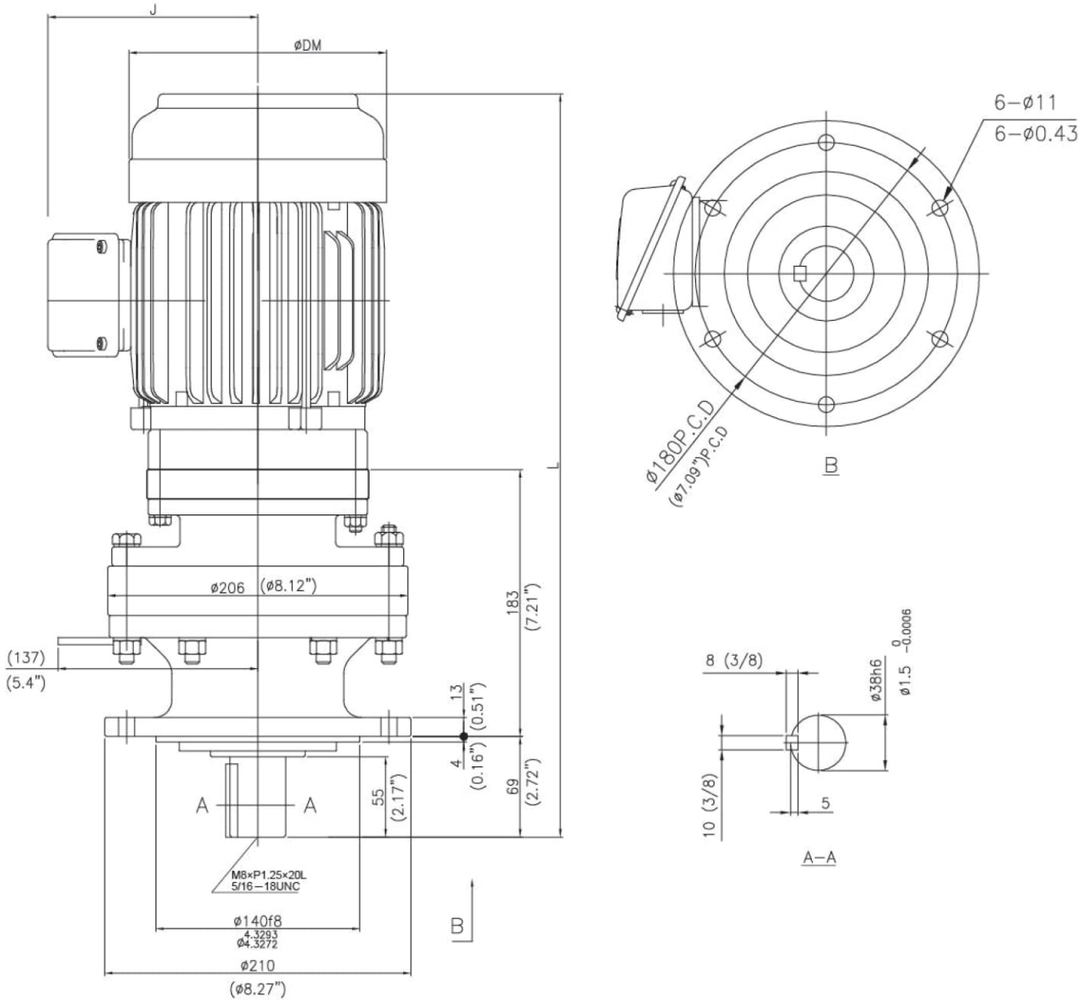
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	TVM02 – 810/08	419	123	144	- - -	22	16.51	4.85	5.68	- - -	48.5
0.4	½	4	TVM05 – 810/08	443	133	162	- - -	25	17.44	5.25	6.36	- - -	55.1

TVM-812/08



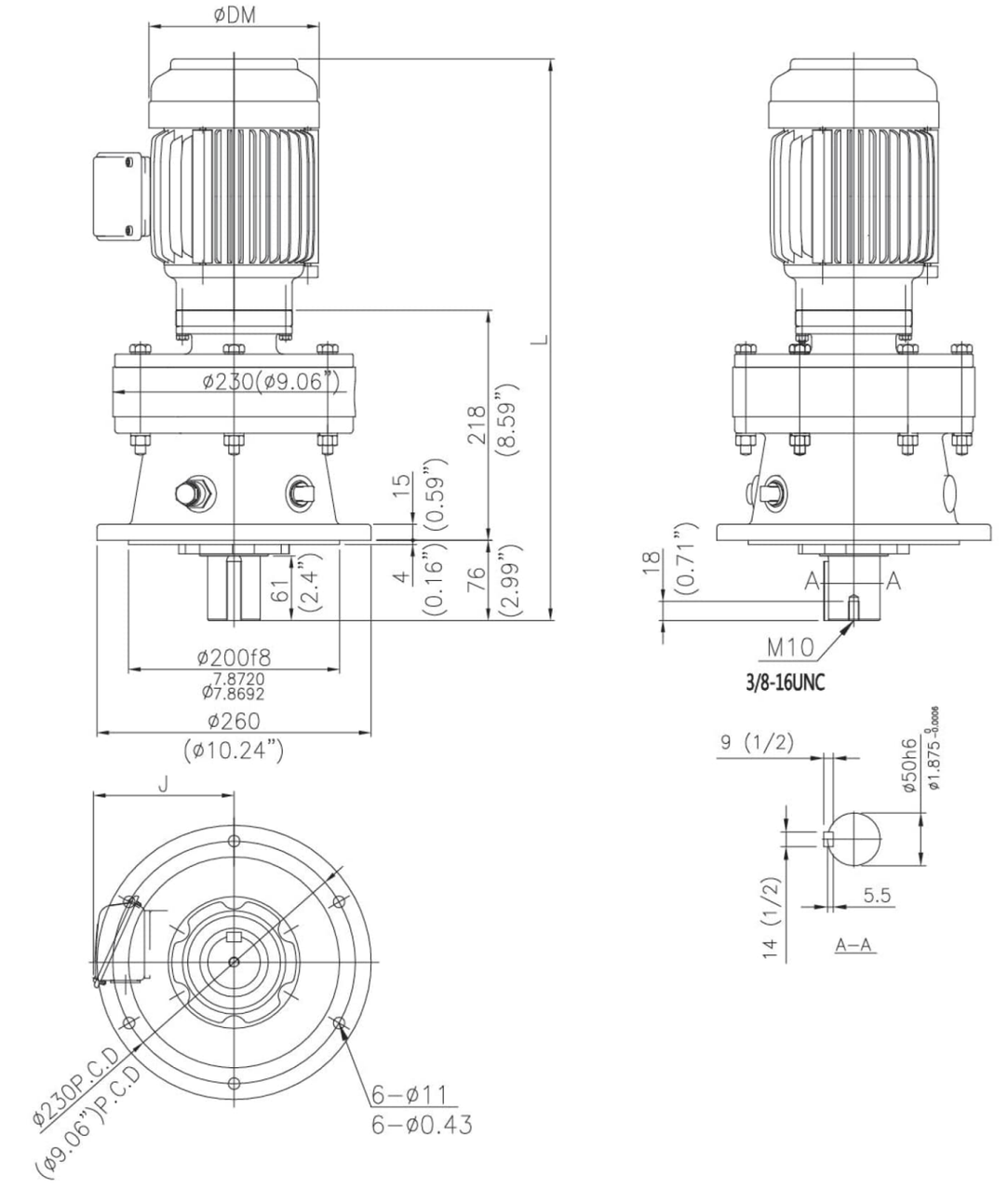
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	TVM02 – 812/08	455	123	144	- - -	33	17.93	4.85	5.68	- - -	72.7
0.4	½	4	TVM05 – 812/08	479	133	162	- - -	37	18.85	5.25	6.36	- - -	81.6

TVM-812/09



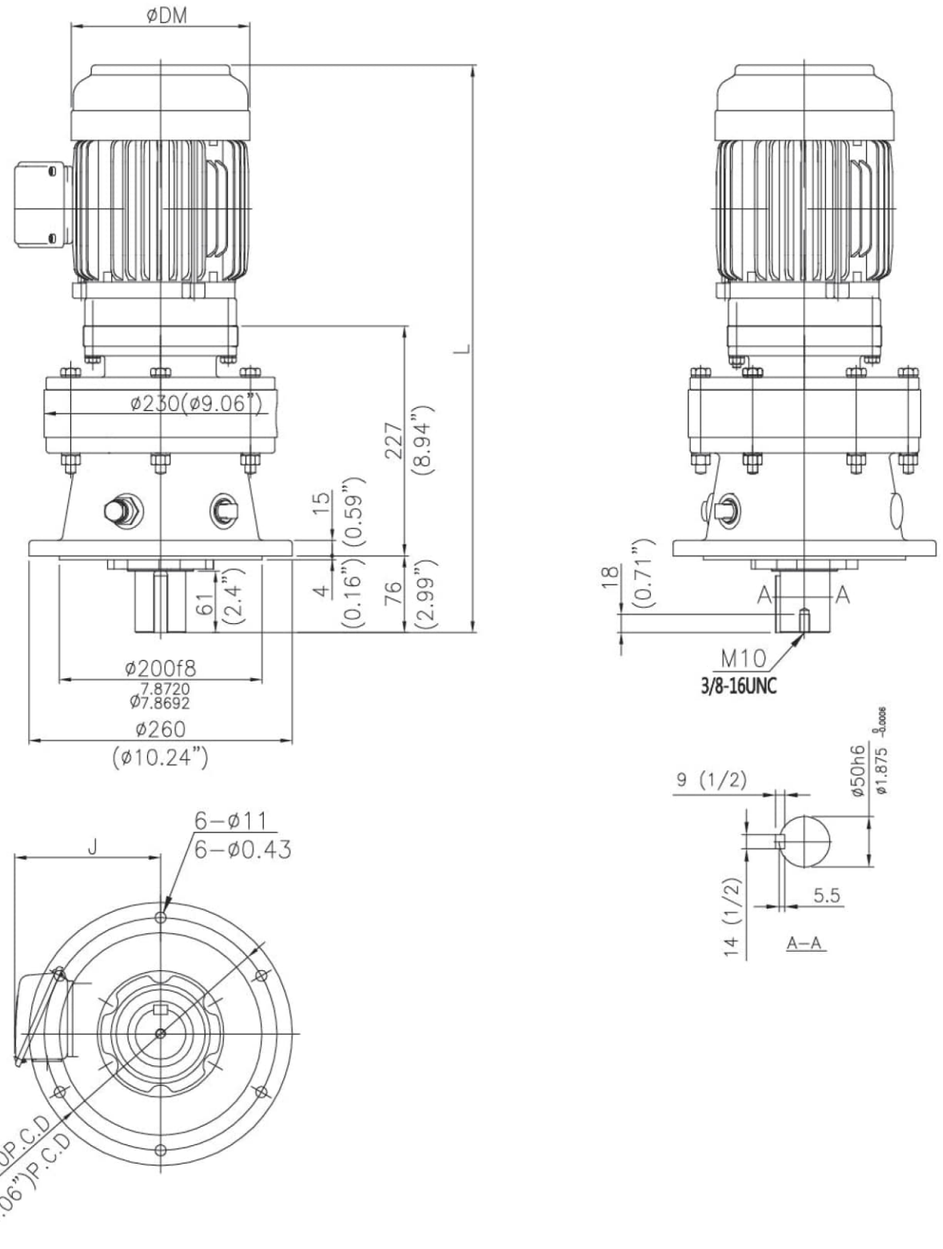
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	TVM02 – 812/09	481	123	144	- - -	39	18.93	4.85	5.68	- - -	86
0.4	½	4	TVM05 – 812/09	504	133	161	- - -	42	19.86	5.24	6.36	- - -	92.6
0.75	1	4	TVM1 – 812/09	510	144	176	- - -	44	20.09	5.67	6.95	- - -	97

TDVM-813/08



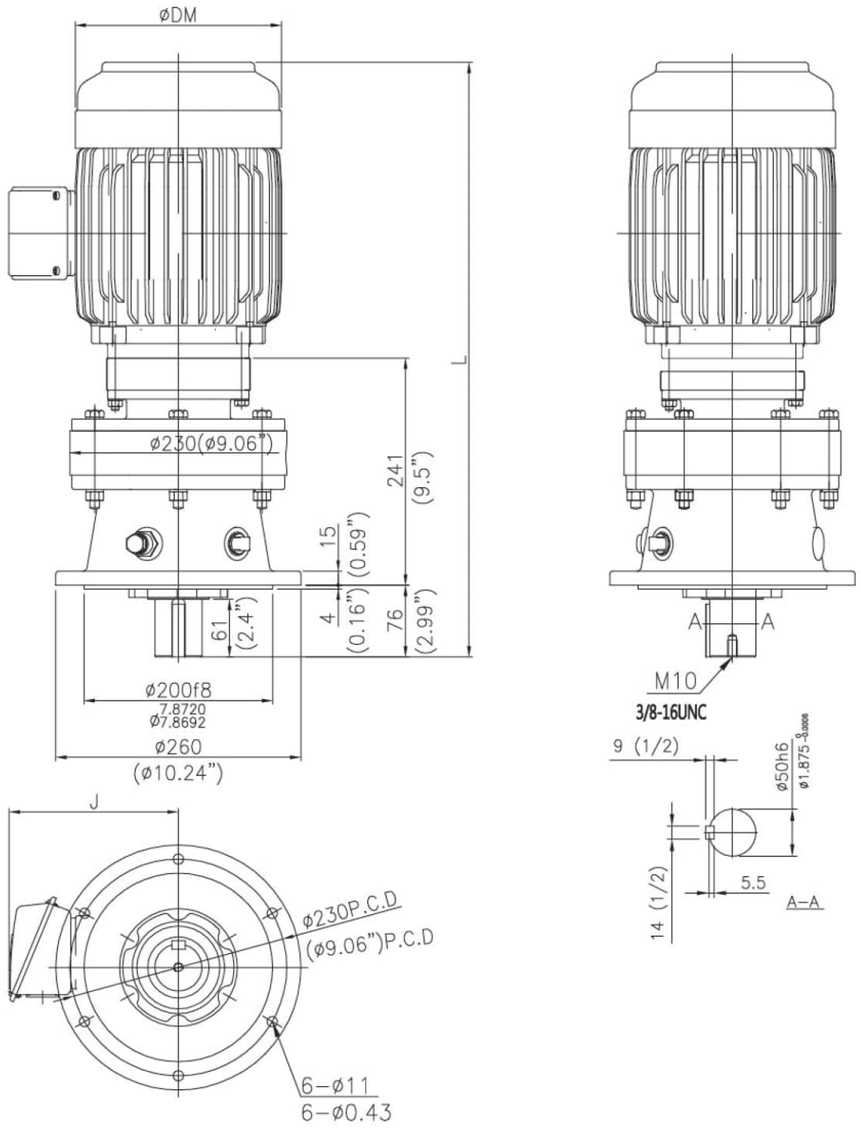
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	TDVM02–813/08	509	123	144	- - -	47	20.05	4.85	5.68	- - -	103.6
0.4	½	4	TDVM05–813/08	532.5	133	162	- - -	52	20.98	5.25	6.36	- - -	114.6

TDVM-813/09



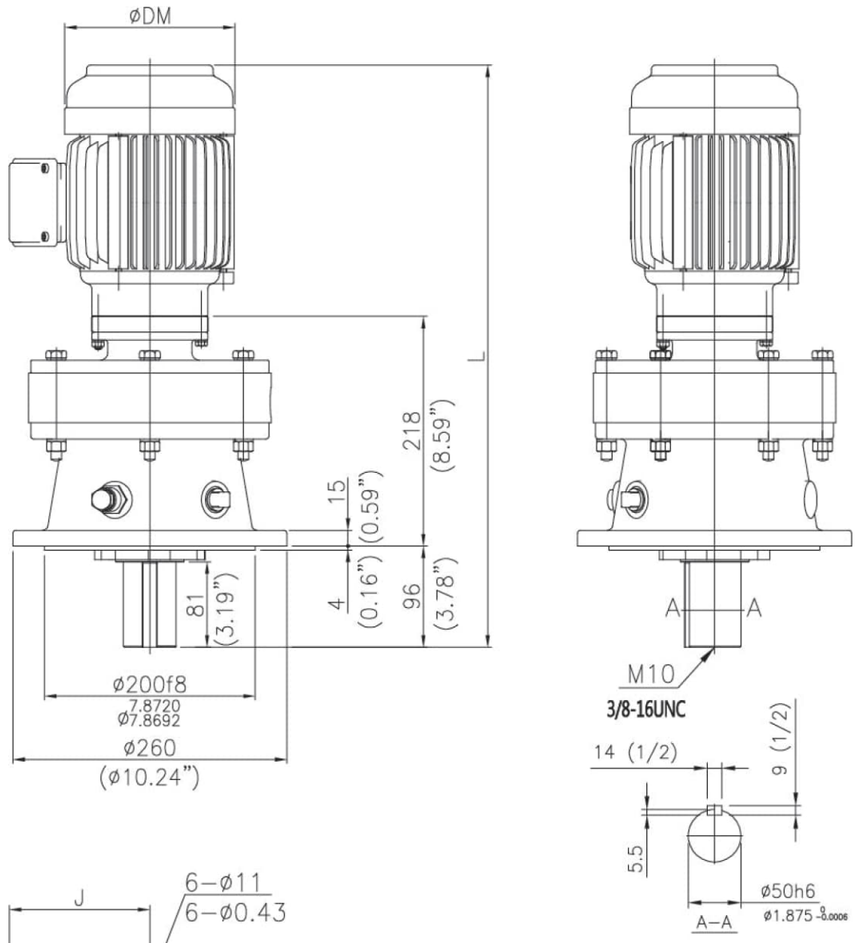
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	TDVM02 – 813/09	532	123	144	- - -	52	20.98	4.85	5.68	- - -	114.6
0.4	½	4	TDVM05 – 813/09	555	133	162	- - -	56	21.87	5.24	6.36	- - -	123.5
0.75	1	4	TDVM1 – 813/09	561	144	176	- - -	59	22.1	5.67	6.95	- - -	130.1

TDVM-813/10



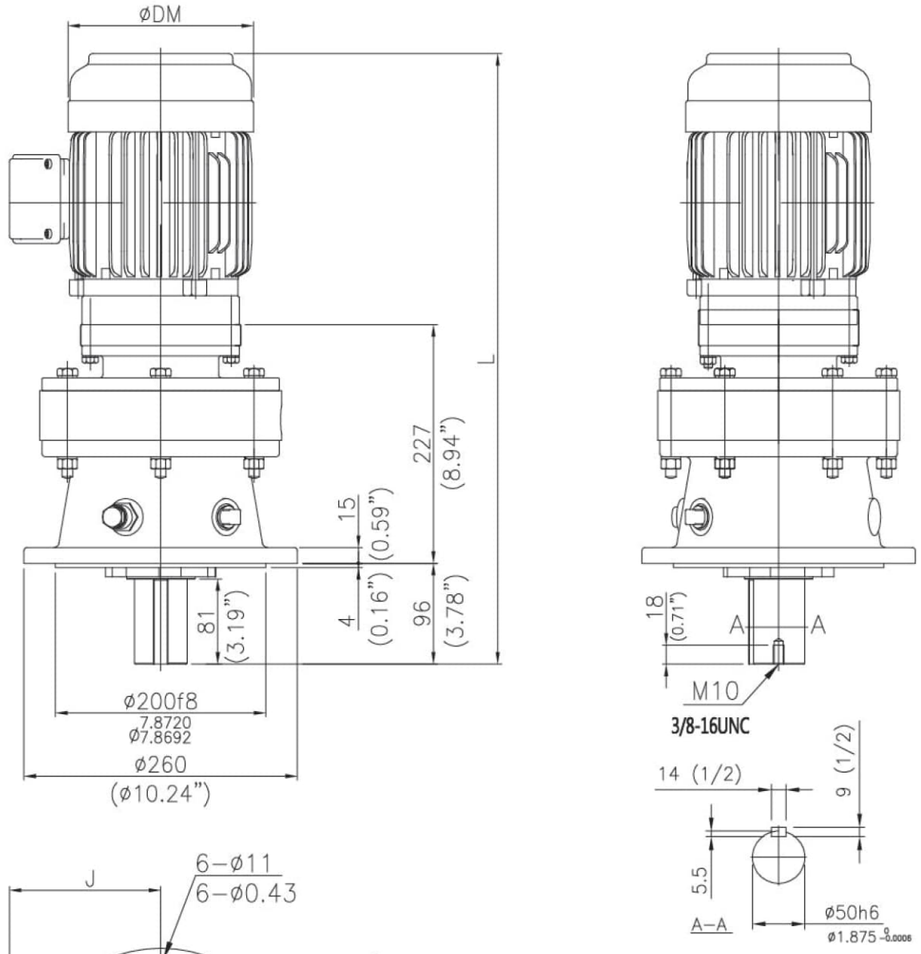
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	TDVM05 – 813/10	569	133	162	- - -	57	22.42	5.24	6.36	- - -	125.6
0.75	1	4	TDVM1 – 813/10	566	144	177	- - -	59	22.3	5.67	6.95	- - -	130.1
1.5	2	4	TDVM2 – 813/10	603	157	196	- - -	68	23.76	6.19	7.74	- - -	149.9
2.2	3	4	TDVM3 – 813/10	631	180	219	- - -	80	24.86	7.09	8.62	- - -	176.3

TDVM-814/08



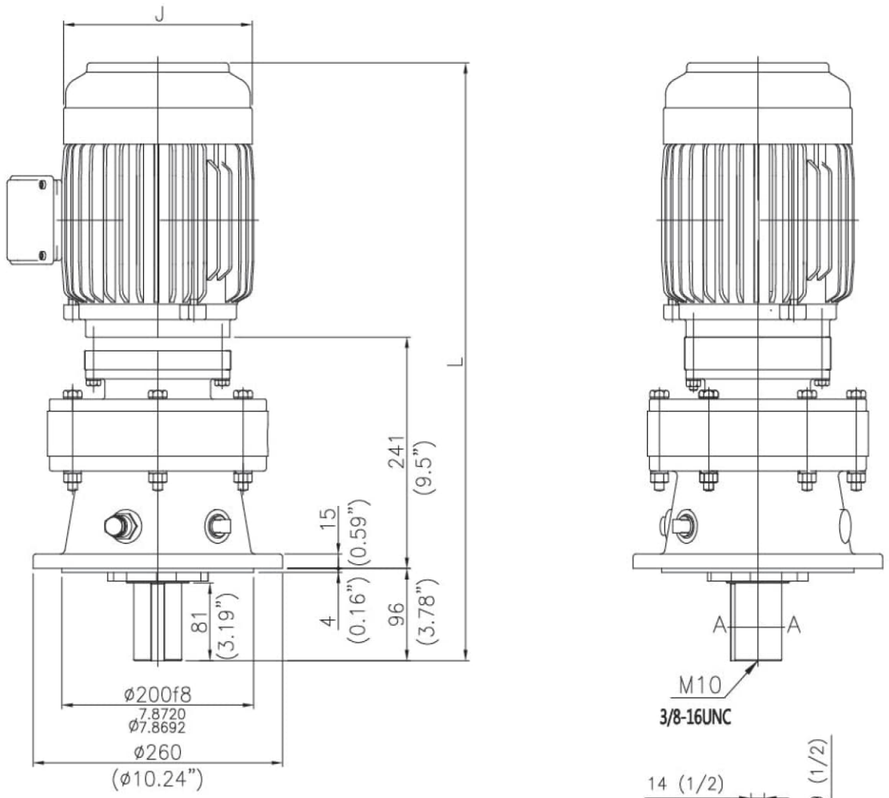
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	TDVM02 – 814/08	529	123	144	- - -	48	20.84	4.85	5.68	- - -	105.8
0.4	½	4	TDVM05 – 814/08	553	133	162	- - -	52	21.77	5.25	6.36	- - -	114.6

TDVM-814/09



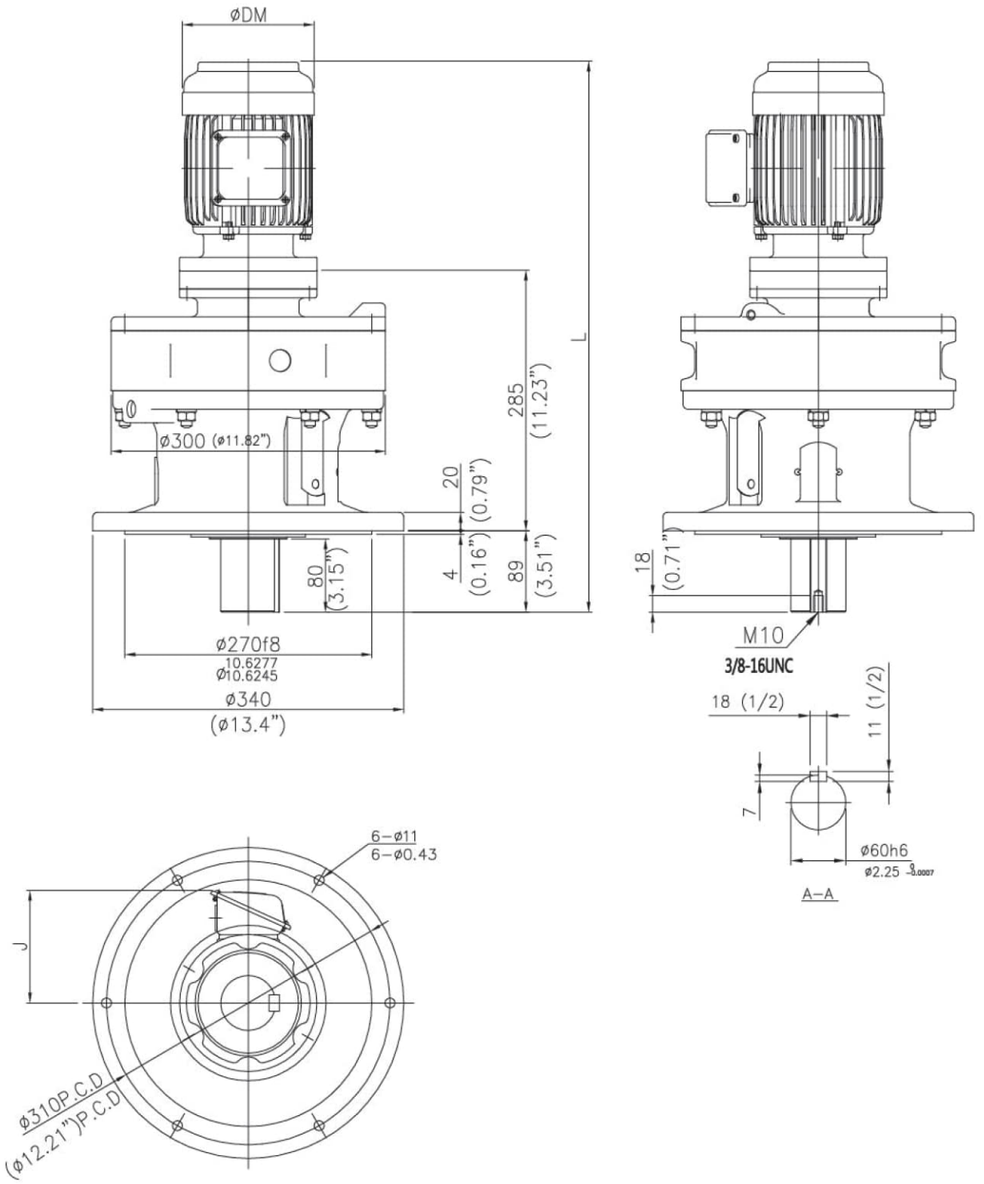
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	TDVM02 – 814/09	552	123	144	- - -	52	21.73	4.85	5.68	- - -	114.6
0.4	½	4	TDVM05 – 814/09	575	133	161	- - -	56	22.65	5.24	6.36	- - -	123.5
0.75	1	4	TDVM1 – 814/09	581	144	176	- - -	59	22.89	5.67	6.95	- - -	130.1

TDVM-814/10



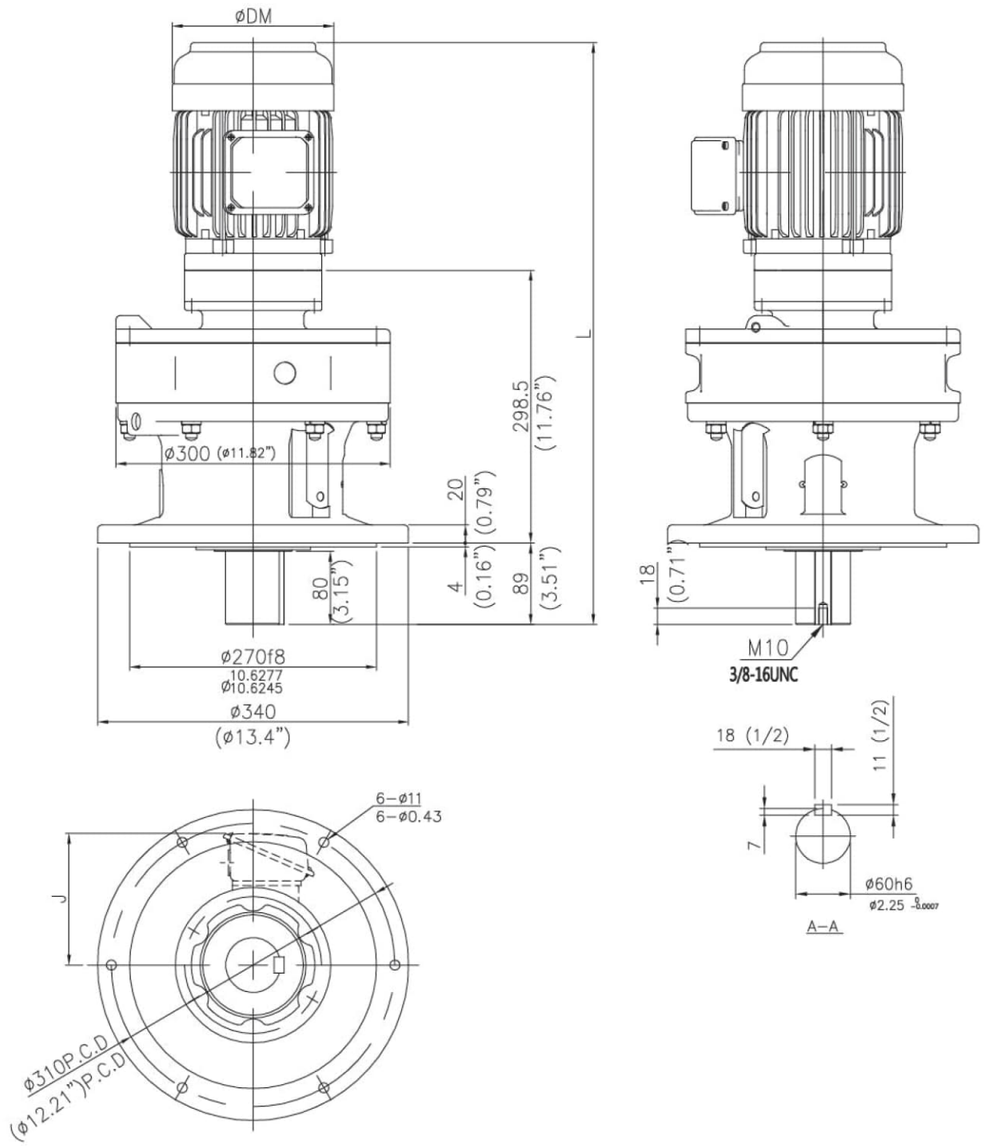
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	TDVM05 – 814/10	589	133	161		58	23.21	5.24	6.36		127.8
0.75	1	4	TDVM1 – 814/10	595	144	176		60	23.44	5.67	6.95		132.3
1.5	2	4	TDVM2 – 814/10	623	157	196	- - -	69	24.55	6.19	7.74	- - -	152.1
2.2	3	4	TDVM3 – 814/10	651	180	219		81	25.65	7.09	9		178.6

TDVM-816/09



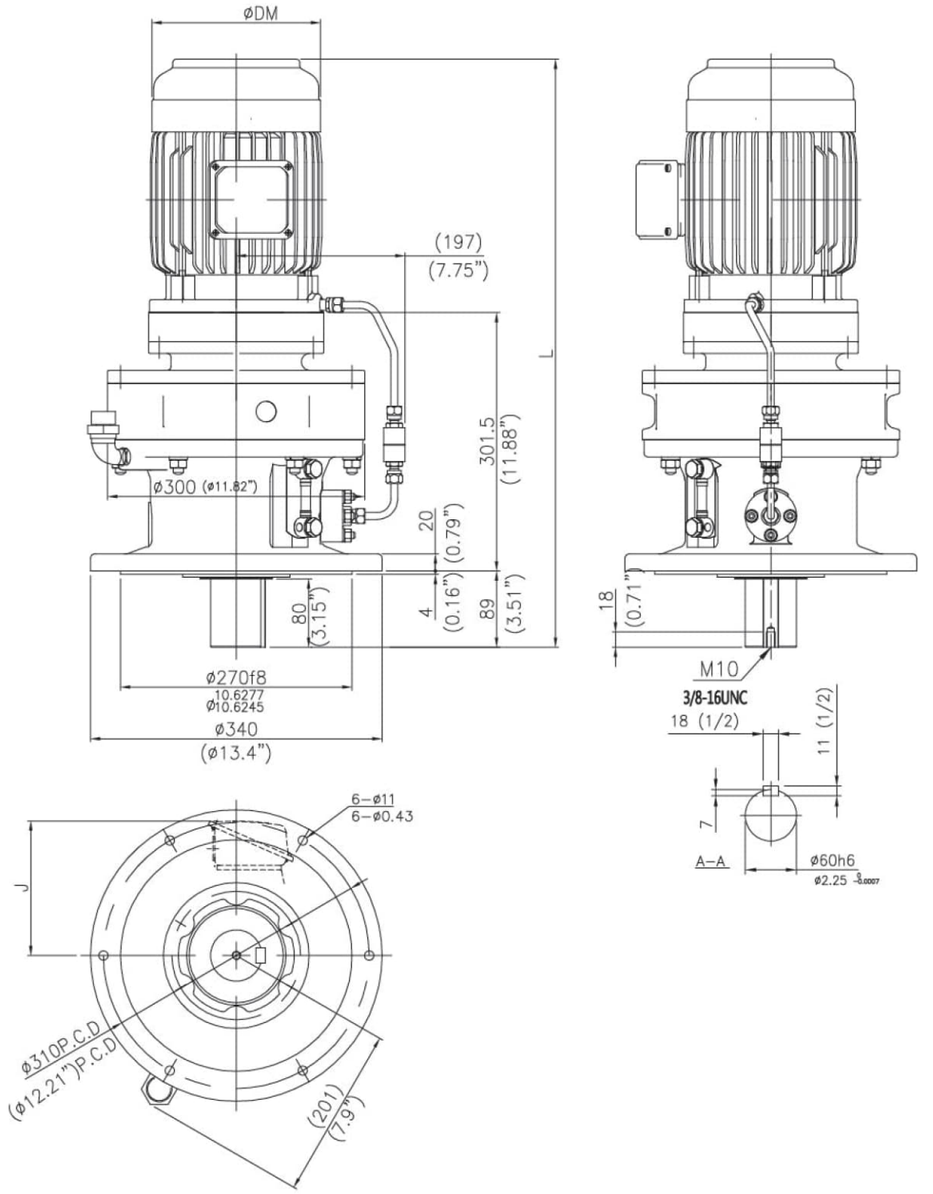
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	TDVM02 – 816/09	602.5	123	144		88	23.74	5	5.68		194
0.4	½	4	TDVM05 – 816/09	626	133	162	- - -	92	24.66	5.26	6.36	- - -	202.8
0.75	1	4	TDVM1 – 816/09	632	143	176		94	24.9	5.65	6.95		207.2

TDVM-816/10



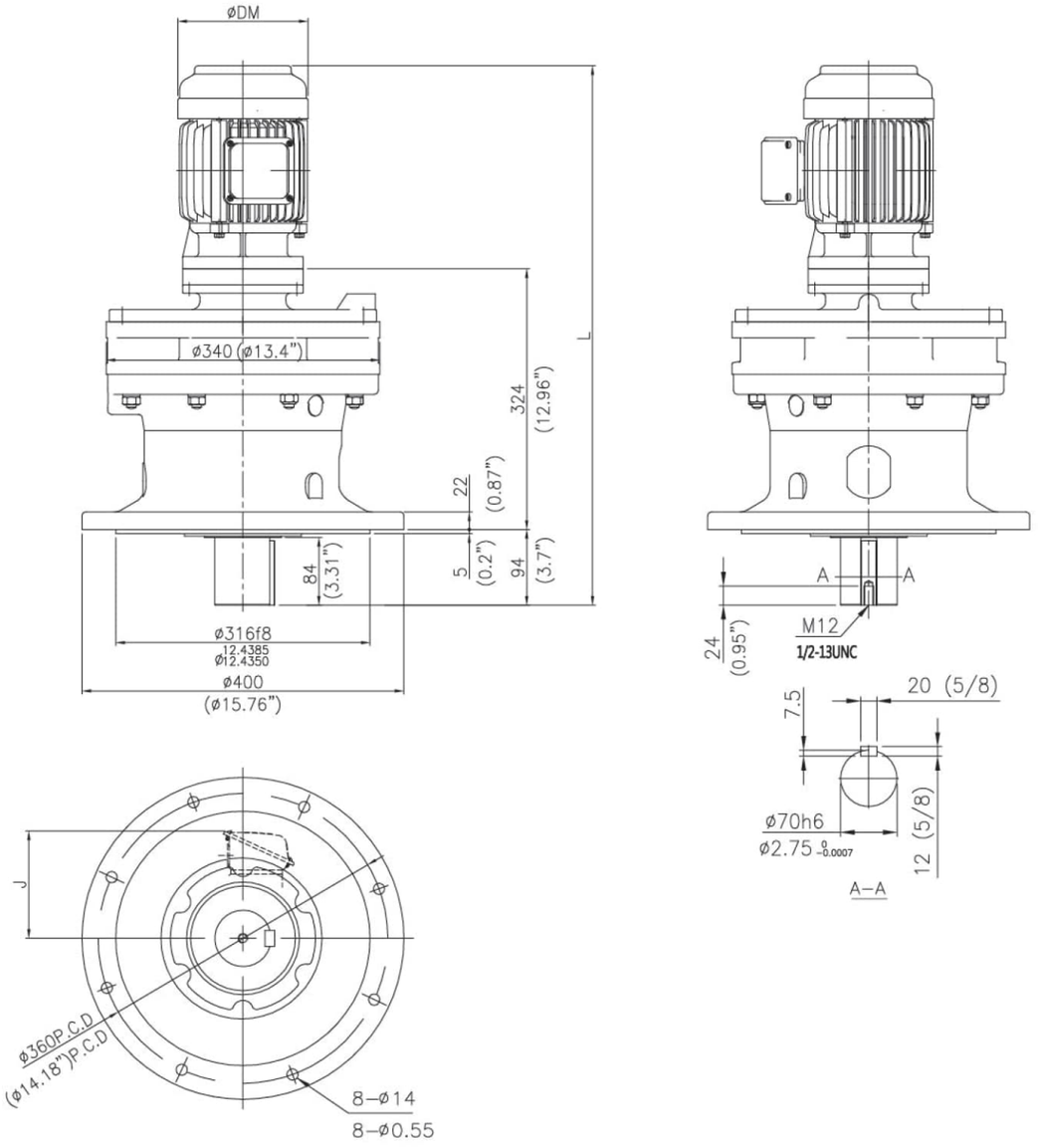
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	TDVM05 – 816/10	639	133	161		93	25.19	5.25	6.36		205
0.75	1	4	TDVM1 – 816/10	637	144	176		96	25.08	5.67	6.95		211.6
1.5	2	4	TDVM2 – 816/10	674	157	197	- - -	105	26.54	6.19	7.74	- - -	231.5
2.2	3	4	TDVM3 – 816/10	702	180	219		117	27.64	7.07	8.62		257.9

TDVM-816/12



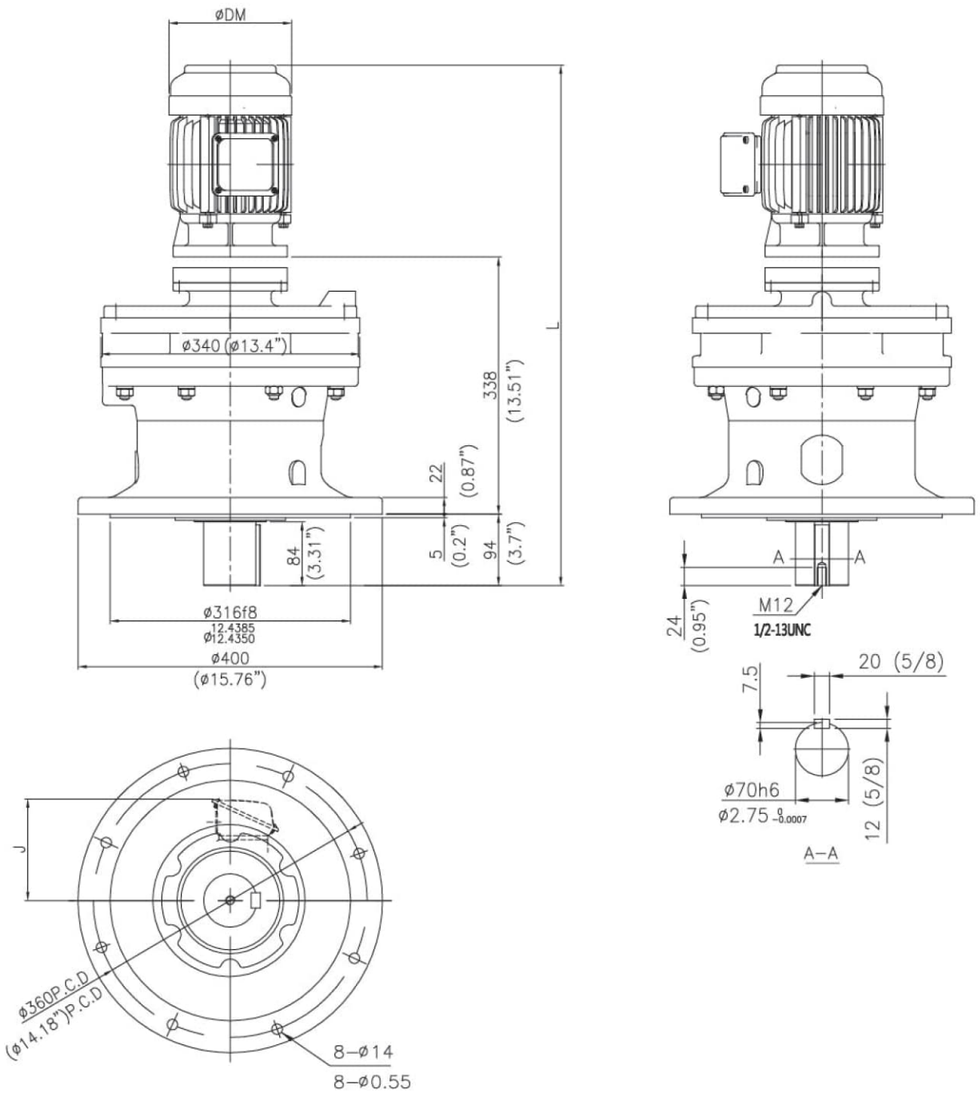
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	TDVM05 – 816/12	641.5	133	162		95	25.28	5.25	6.36		209.4
0.75	1	4	TDVM1 – 816/12	649	144	177		100	25.57	5.67	6.95		220.5
1.5	2	4	TDVM2 – 816/12	686	157	197	- - -	111	27.03	6.19	7.74	- - -	244.7
2.2	3	4	TDVM3 – 816/12	712.5	180	219		126	28.07	7.07	8.62		277.8
3.7	5	4	TDVM5 – 816/12	727	189	235		135	28.64	7.46	9.26		297.6

TDVM-817/09



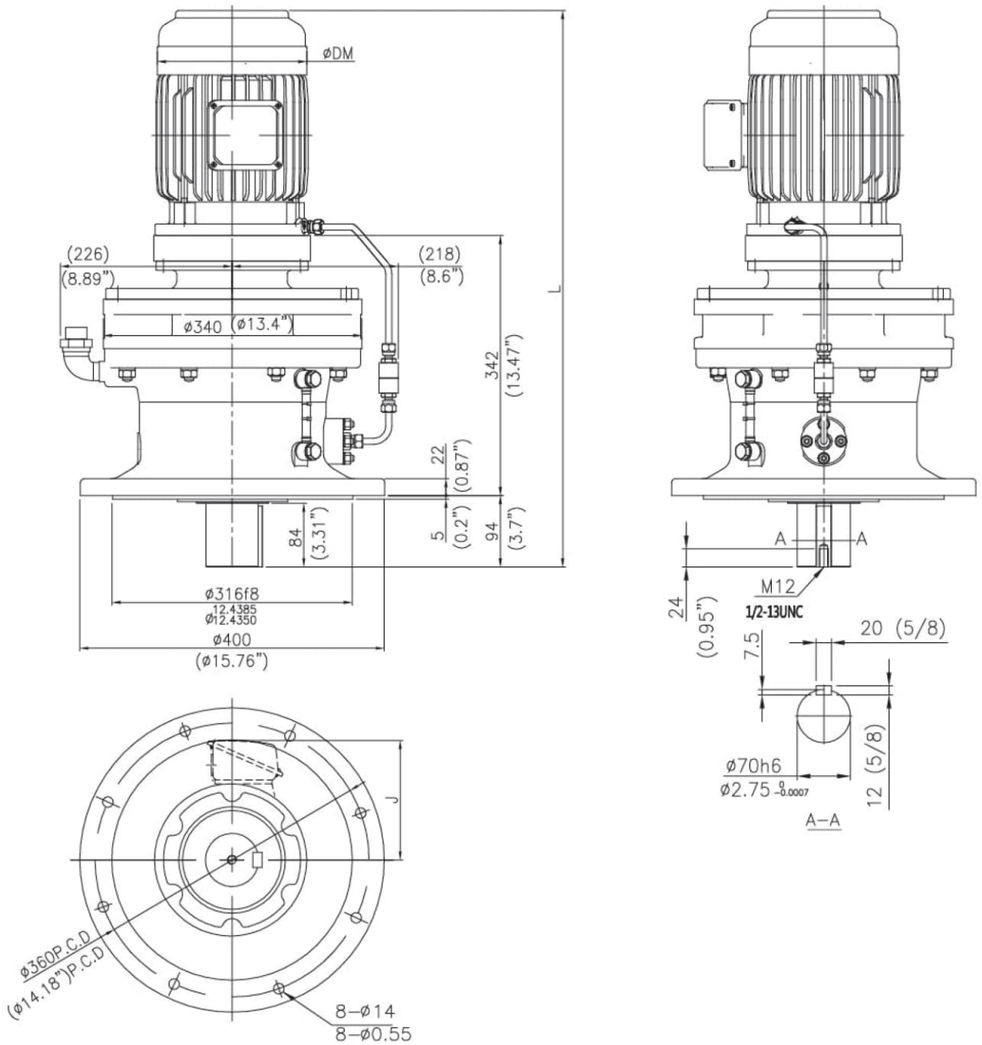
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	¼	4	TDVM02 – 817/09	646.5	123	144		125	25.47	4.85	5.68		275.6
0.4	½	4	TDVM05 – 817/09	670	133	161	- - -	127	26.4	5.26	6.36	- - -	279.9
0.75	1	4	TDVM1 – 817/09	676	143	177		131	26.63	5.65	6.95		288.8

TDVM-817/10



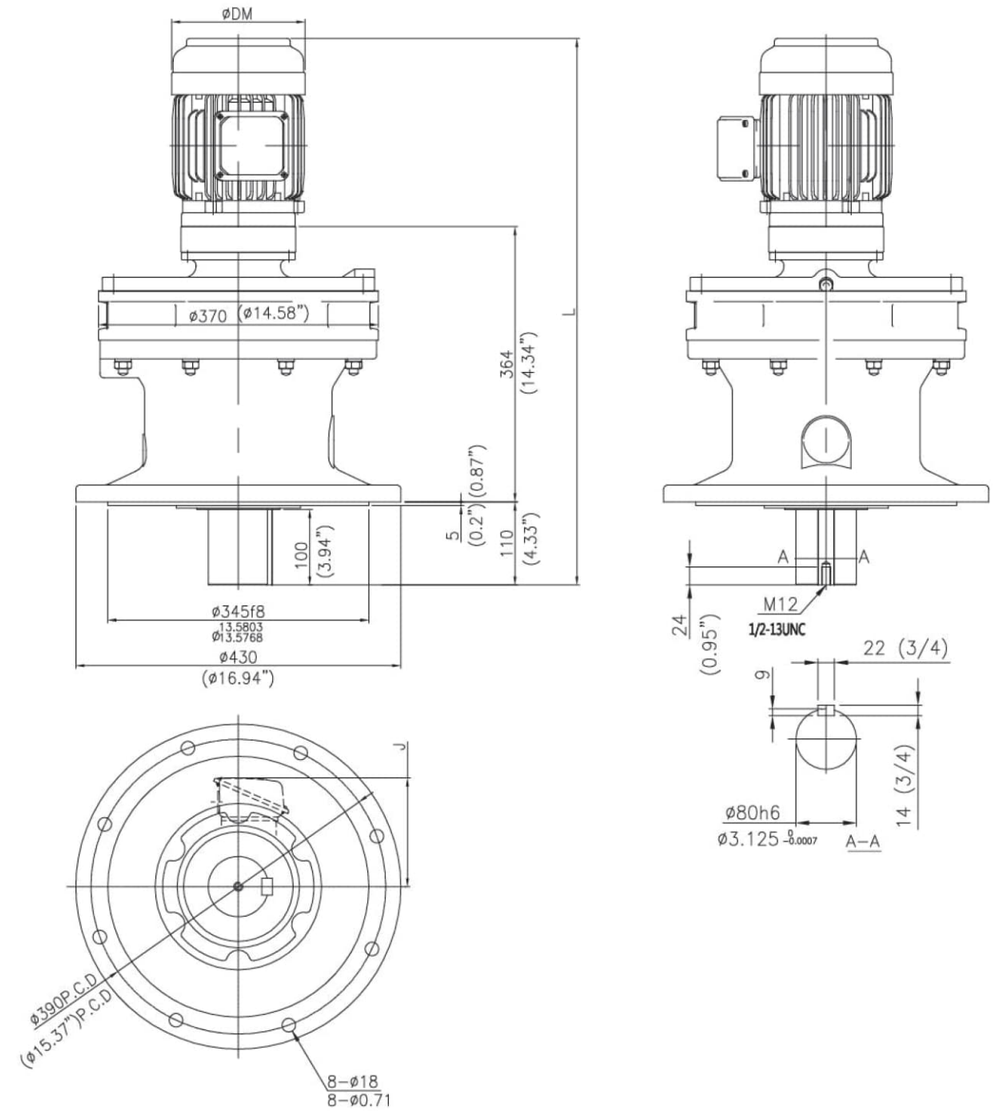
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	TDVM05 – 817/10	684	133	161		130	26.95	5.26	6.36		286.6
0.75	1	4	TDVM1 – 817/10	690	143	177	- - -	133	27.19	5.65	6.95	- - -	293.2
1.5	2	4	TDVM2 – 817/10	718	157	197		142	28.29	6.19	7.74		313.1
2.2	3	4	TDVM3 – 817/10	746	180	219		154	29.39	7.07	8.62		339.2

TDVM-817/12



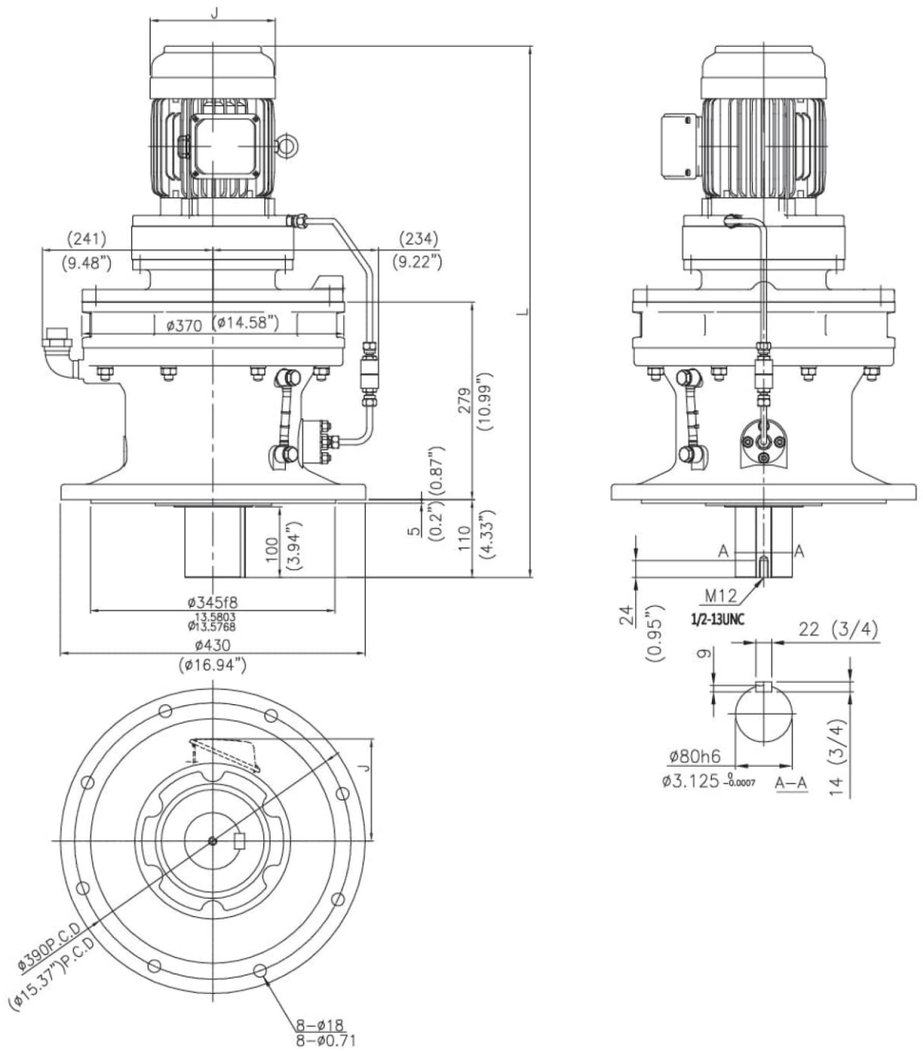
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	TDVM05 – 817/12	687	133	161		132	27.07	5.25	6.36		291
0.75	1	4	TDVM1 – 817/12	694.5	144	177		138	27.36	5.67	6.95		304.2
1.5	2	4	TDVM2 – 817/12	731.5	157	197	- - -	200	28.82	6.19	7.74	- - -	440.9
2.2	3	4	TDVM3 – 817/12	758	180	219		161	29.87	7.07	8.62		354.9
3.7	5	4	TDVM5 – 817/12	772.5	189	235		168	30.44	7.46	9.26		370.3

TDVM-818/10



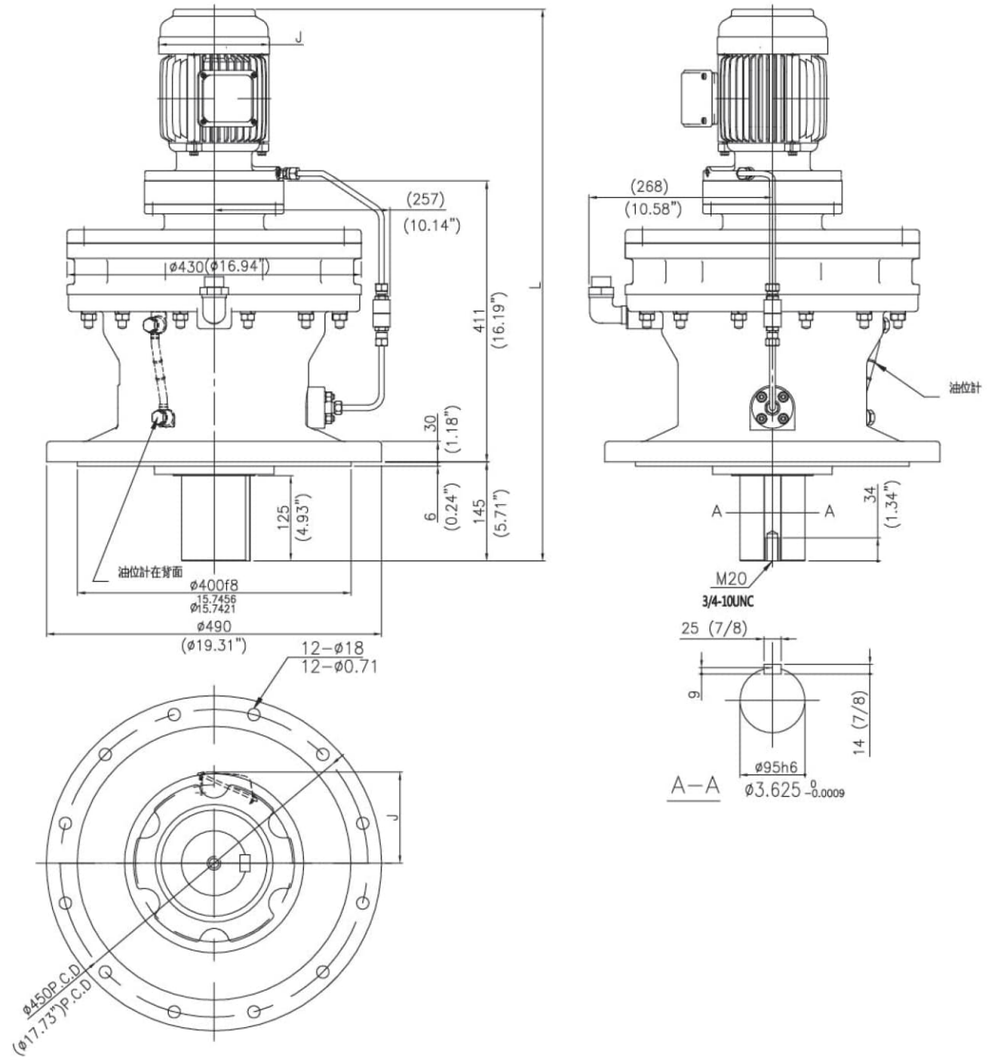
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	TDVM05 – 818/10	725.9	133	161		159	28.6	5.25	6.36		350.5
0.75	1	4	TDVM1 – 818/10	723	144	177	- - -	163	28.49	5.67	6.95	- - -	359.3
1.5	2	4	TDVM2 – 818/10	760	157	197		172	29.94	6.19	7.74		379.2
2.2	3	4	TDVM3 – 818/10	788	180	219		184	31.05	7.07	8.62		405.6

TDVM-818/13



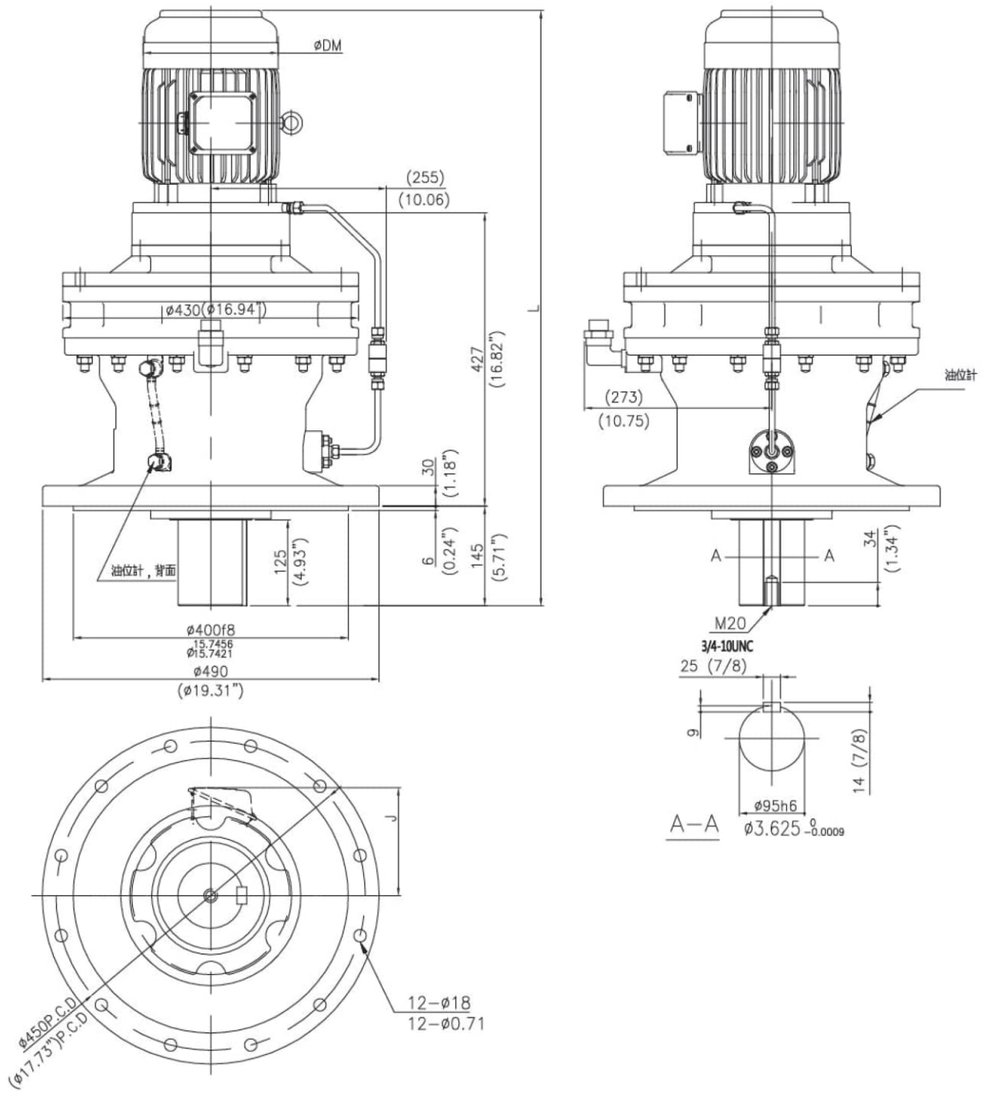
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TDVM1 – 818/13	750.5	144	176		181	29.57	5.67	6.95		399
1.5	2	4	TDVM2 – 818/13	790.5	157	196		193	31.15	6.19	7.74		425.5
2.2	3	4	TDVM3 – 818/13	818.5	180	219	- - -	205	32.25	7.07	8.62	- - -	451.9
3.7	5	4	TDVM5 – 818/13	835	224	235		210	32.9	8.82	9.26		462.9
5.5	8	4	TDVM8 – 818/13	877.5	224	273		216	34.57	8.82	10.74		476.2
7.5	10	4	TDVM10 – 818/13	915.5	224	273		222	36.07	8.82	10.74		489.4

TDVM-819/12



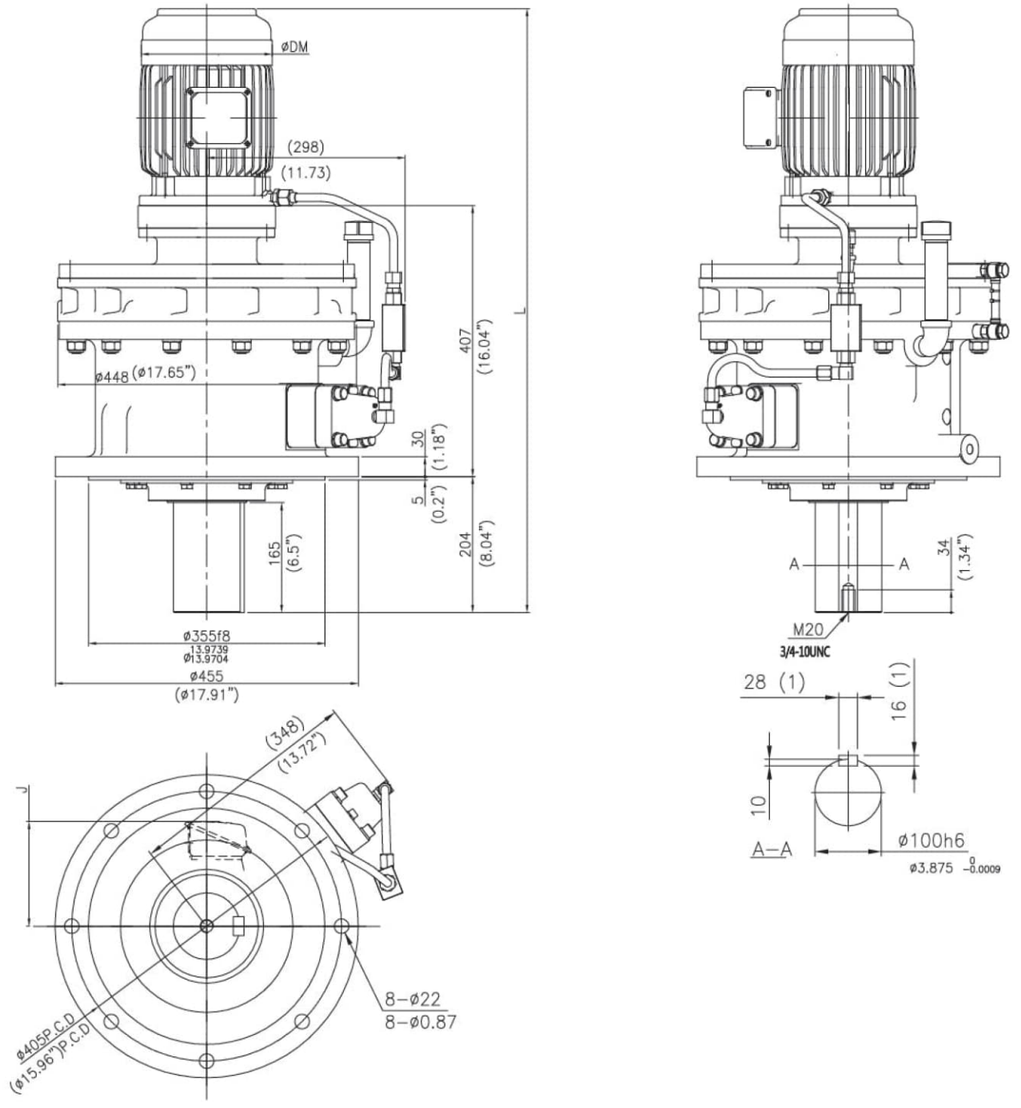
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	TDVM05 – 819/12	807	133	162		233	31.8	5.25	6.36		513.6
0.75	1	4	TDVM1 – 819/12	814.5	144	177		244	32.09	5.66	6.95		537.9
1.5	2	4	TDVM2 – 819/12	851.5	157	197	- - -	253	33.55	6.18	7.74	- - -	557.8
2.2	3	4	TDVM3 – 819/12	878	180	219		265	34.59	7.07	8.62		584.2
3.7	5	4	TDVM5 – 819/12	892.5	189	235		274	35.16	7.46	9.26		604

TDVM-819/13



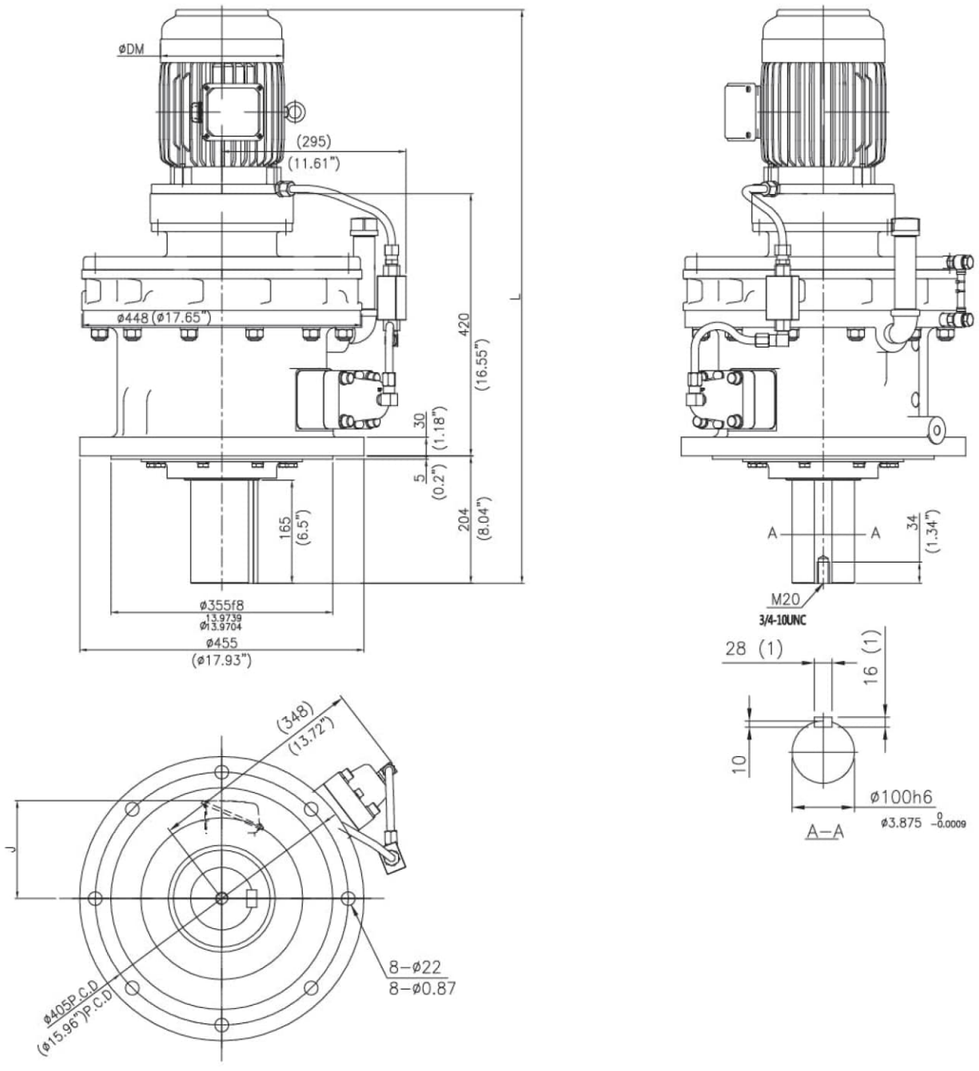
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TDVM1 – 819/13	826.5	144	176		251	32.56	5.67	6.95		553.3
1.5	2	4	TDVM2 – 819/13	866.5	157	196		263	34.14	6.19	7.74		579.8
2.2	3	4	TDVM3 – 819/13	894.5	180	219		274	35.24	7.07	8.62		604.1
3.7	5	4	TDVM5 – 819/13	911	189	235	- - -	283	33.79	7.46	9.26	- - -	623.9
5.5	8	4	TDVM8 – 819/13	953.5	224	273		289	33.79	8.83	10.75		637.1
7.5	10	4	TDVM10 – 819/13	991.5	224	273		301	33.79	8.83	10.75		663.5

TDVM-820/12



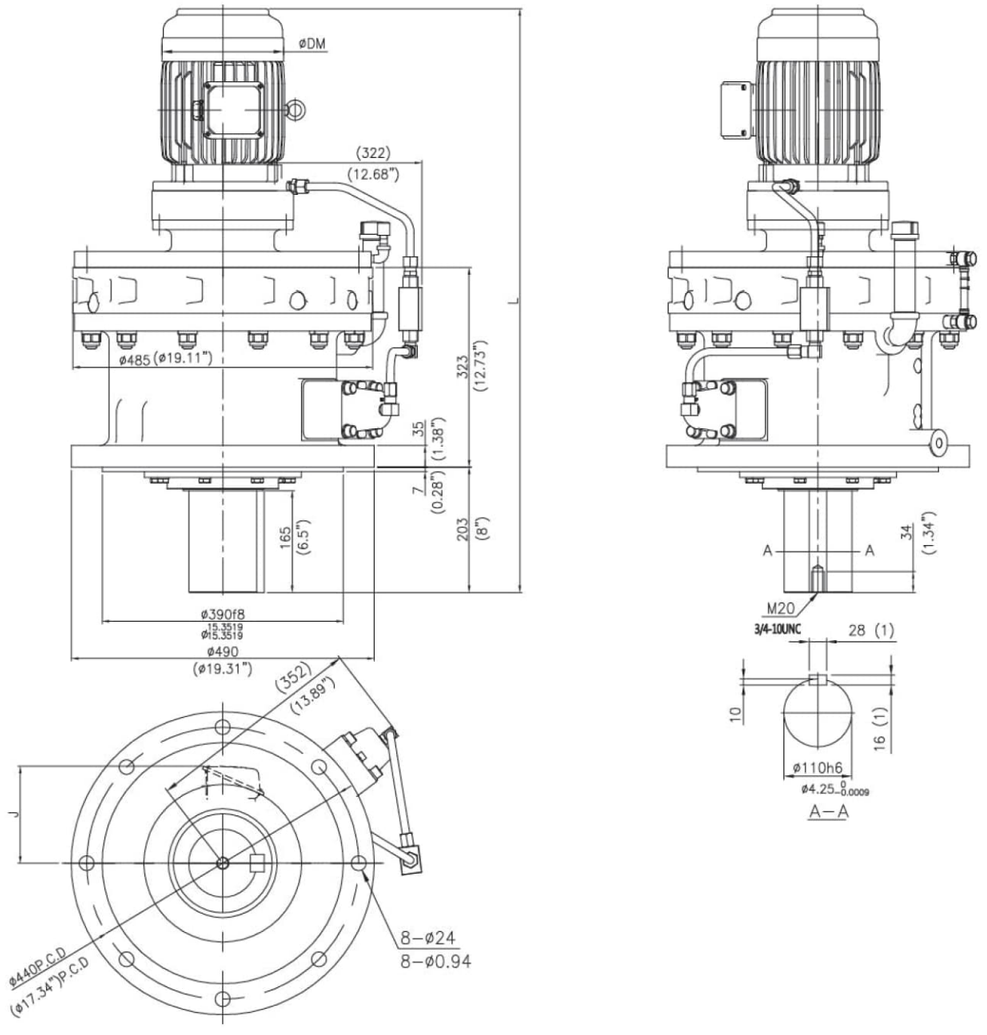
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	½	4	TDVM05 – 820/12	862	133	162		254	33.96	5.25	6.36		559.9
0.75	1	4	TDVM1 – 820/12	869.5	144	177		262	34.26	5.67	6.95		577.6
1.5	2	4	TDVM2 – 820/12	906.5	157	197	- - -	269	35.72	6.19	7.74	- - -	593
2.2	3	4	TDVM3 – 820/12	933	179	219		275	36.76	7.07	8.62		606.3
3.7	5	4	TDVM5 – 820/12	947.5	189	235		281	37.33	7.47	9.26		619.5

TDVM-820/13



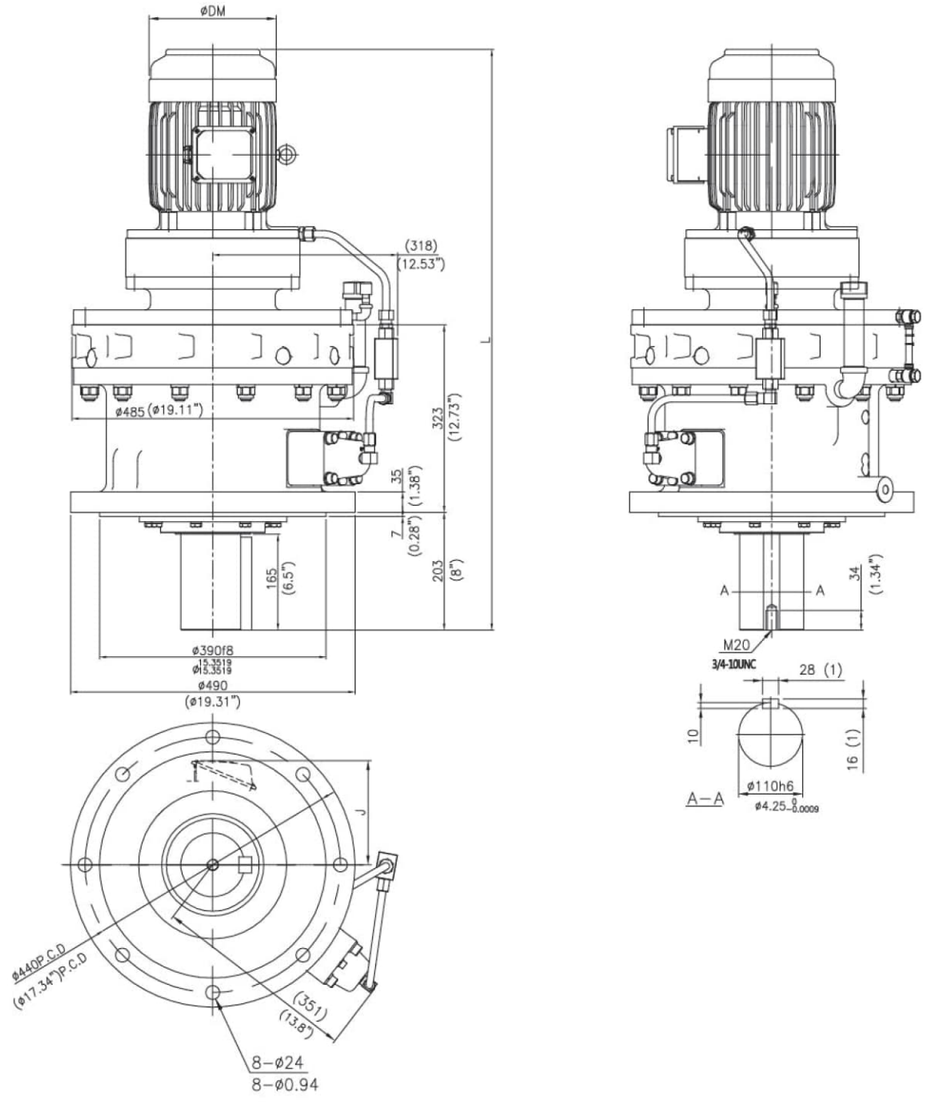
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TDVM1 – 820/13	878.5	144	176		273	34.61	5.66	6.95		601.8
1.5	2	4	TDVM2 – 820/13	918.5	157	196		284	36.19	6.19	7.74		627.1
2.2	3	4	TDVM3 – 820/13	946.5	179	219		294	37.29	7.07	8.62		648.1
3.7	5	4	TDVM5 – 820/13	963	189	235	- - -	303	37.94	7.46	9.26	- - -	668
5.5	8	4	TDVM8 – 820/13	1005.5	224	273		311	39.62	8.83	10.75		685.6
7.5	10	4	TDVM10 – 820/13	1043.5	224	273		313	41.11	8.83	10.75		690

TDVM-821/13



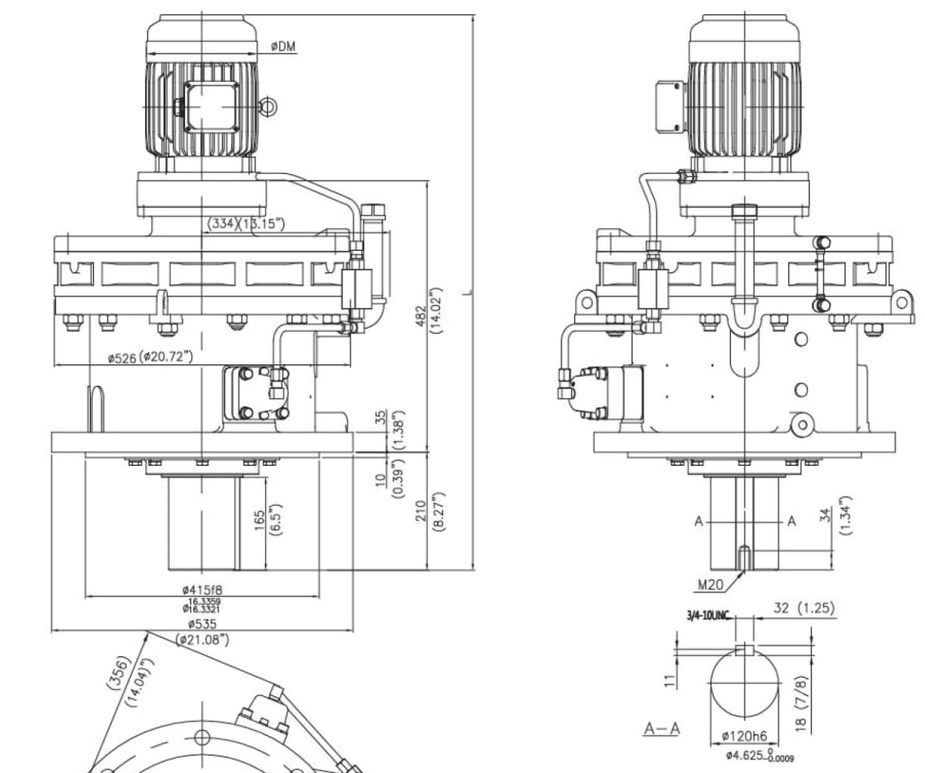
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TDVM1 – 821/13	904.5	144	176		329	35.64	5.7	6.95		725.3
1.5	2	4	TDVM2 – 821/13	944.5	157	196		342	37.21	6.2	7.74		753.9
2.2	3	4	TDVM3 – 821/13	972.5	180	219	- - -	354	38.32	7.1	8.62	- - -	780.4
3.7	5	4	TDVM5 – 821/13	989	189	235		361	38.97	7.5	9.26		795.8
5.5	8	4	TDVM8 – 821/13	1031.5	224	273		365	40.64	8.8	10.75		804.7
7.5	10	4	TDVM10 – 821/13	1069.5	224	273		373	42.14	8.8	10.75		822.3

TDVM-821/16



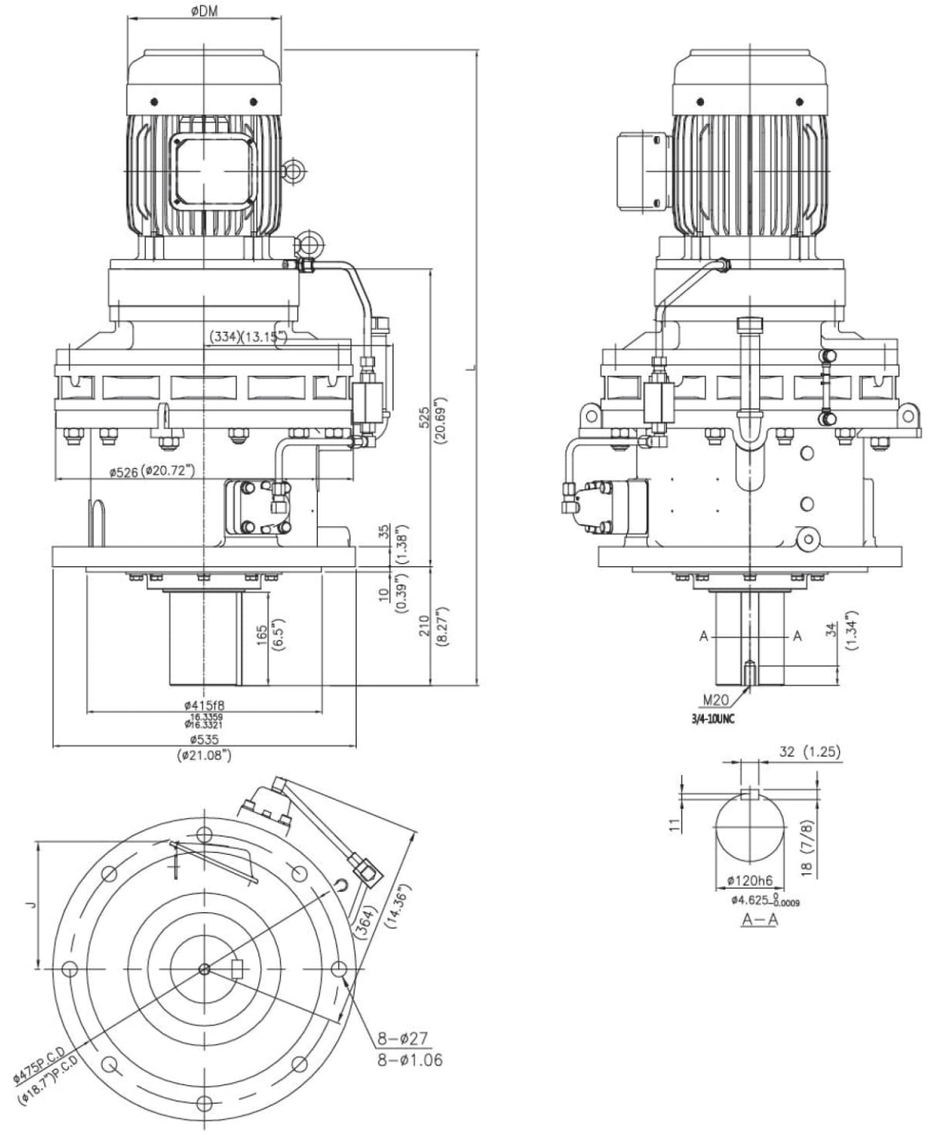
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
2.2	3	4	TDVM3 – 821/16	1000.5	180	219		385	39.42	7.1	8.62		848.7
3.7	5	4	TDVM5 – 821/16	1017	189	235		375	40.07	7.5	9.26		826.7
5.5	8	4	TDVM8 – 821/16	1050	224	273	- - -	384	41.37	8.8	10.75	- - -	846.6
7.5	10	4	TDVM10 – 821/16	1088	224	273		387	42.87	8.8	10.75		853.2
11	15	4	TDVM15 – 821/16	1171	263	317		412	46.14	10.3	12.48		908.3

TDVM-822/13



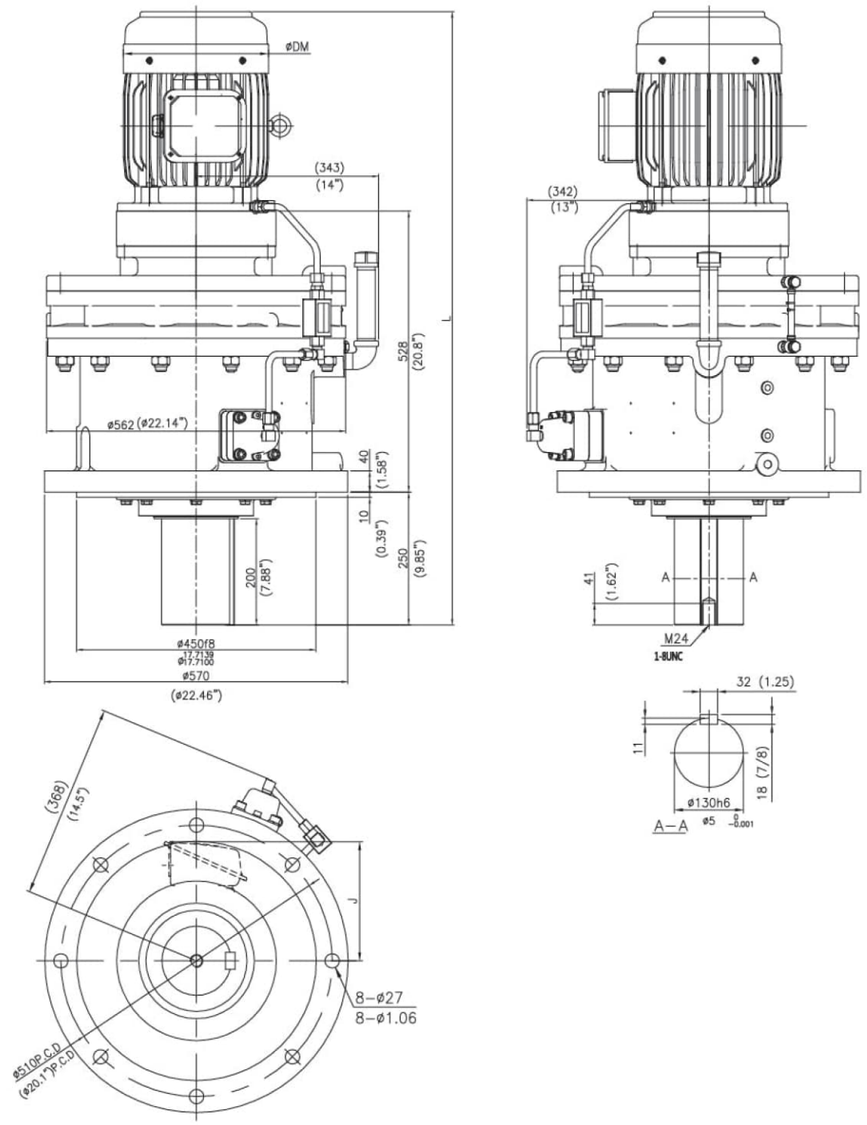
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TDVM1 – 822/13	947	144	176		419	37.29	5.7	6.95		923.7
1.5	2	4	TDVM2 – 822/13	987	157	196		432	38.87	6.2	7.74		950.4
2.2	3	4	TDVM3 – 822/13	1015	180	219	- - -	444	39.97	7.1	8.62	- - -	978.8
3.7	5	4	TDVM5 – 822/13	1031	189	235		449	40.62	7.5	9.26		998.7
5.5	8	4	TDVM8 – 822/13	1073	224	273		453	42.3	8.8	10.75		996.6
7.5	10	4	TDVM10 – 822/13	1111	224	273		461	43.79	8.8	10.75		1016.3

TDVM-822/17



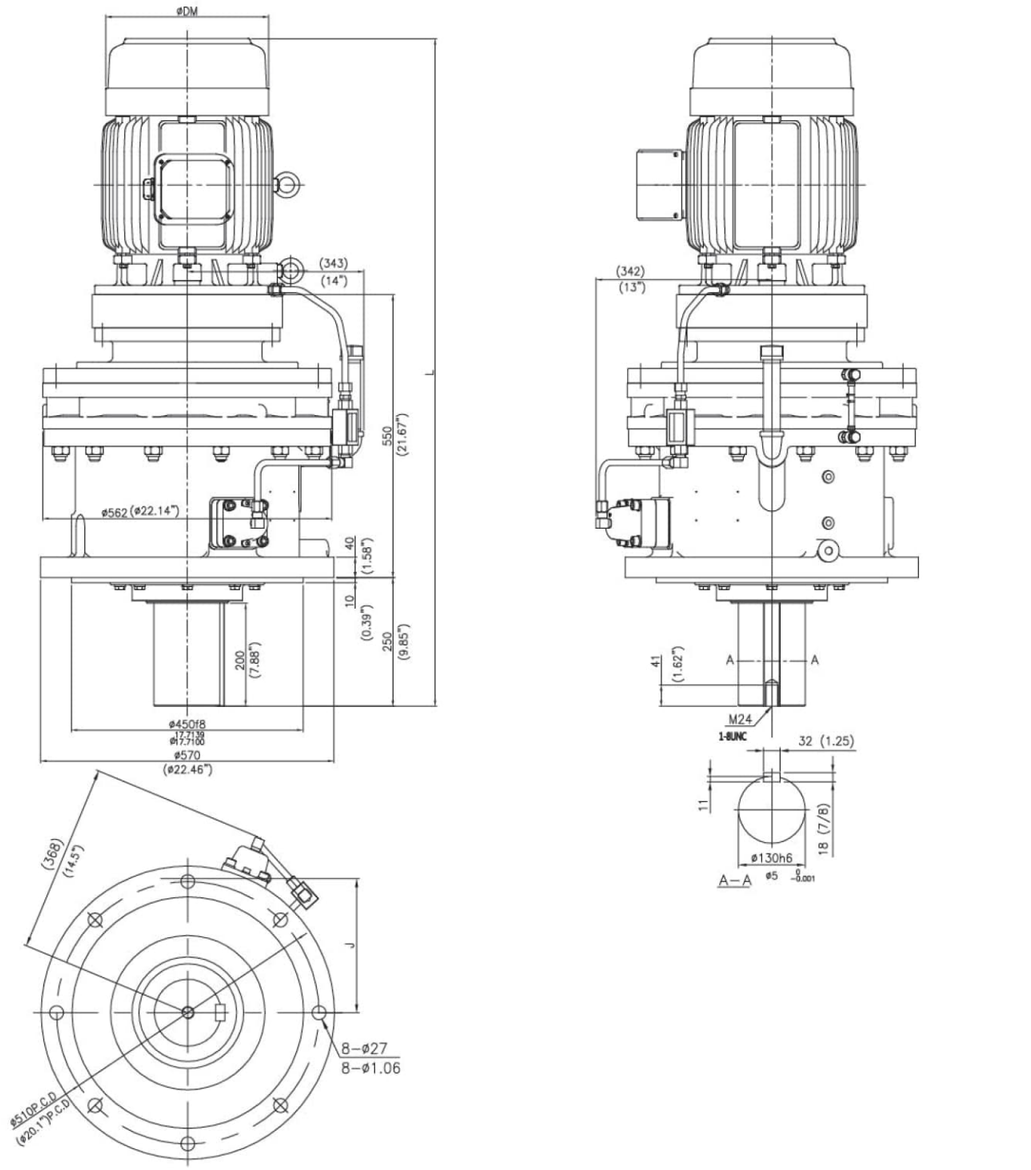
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	TDVM5 – 822/17	1089	189	235		437	42.91	7.5	9.26		963.4
5.5	8	4	TDVM8 – 822/17	1122	225	271		450	44.21	8.5	10.75		992.1
7.5	10	4	TDVM10 – 822/17	1160	225	273	- - -	462	45.7	8.5	10.75	- - -	1018.5
11	15	4	TDVM15 – 822/17	1231	262	317		513	48.5	10	12.47		1131
15	20	4	TDVM20 – 822/17	1275	263	314		567	50.24	10	12.47		1250

TDVM-823/16



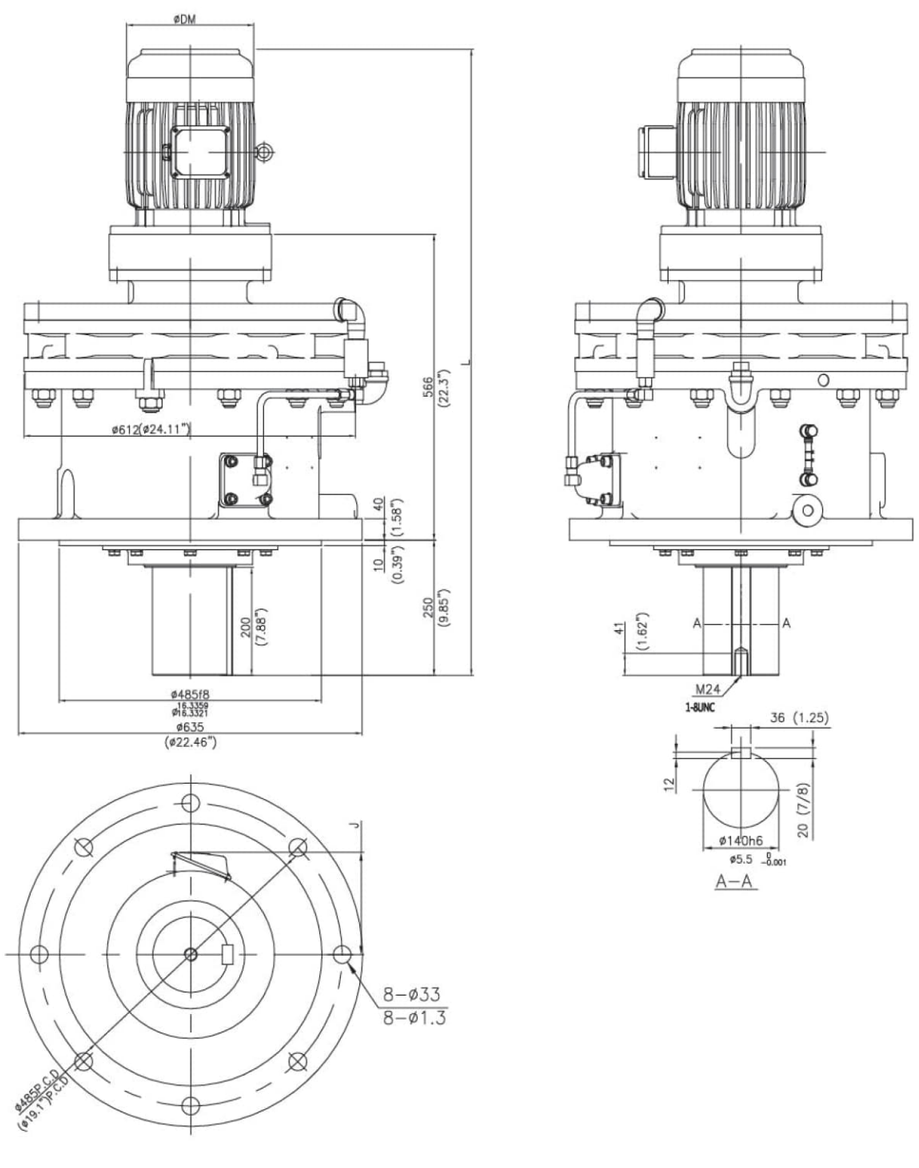
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
2.2	3	4	TDVM3 – 823/16	1103.5	180	219		526	43.48	7.1	8.62		1159.6
3.7	5	4	TDVM5 – 823/16	1120	189	235		548	44.13	7.5	9.26		1208
5.5	8	4	TDVM8 – 823/16	1153	224	273	- - -	556	45.43	8.8	10.75	- - -	1225.7
7.5	10	4	TDVM10 – 823/16	1191	224	273		569	46.93	8.8	10.75		1254.4
11	15	4	TDVM15 – 823/16	1274	263	317		603	50.2	10.3	12.48		1329.3
15	20	4	TDVM20 – 823/16	1318	263	317		622	51.93	10.3	12.48		1371.3

TDVM-823/18



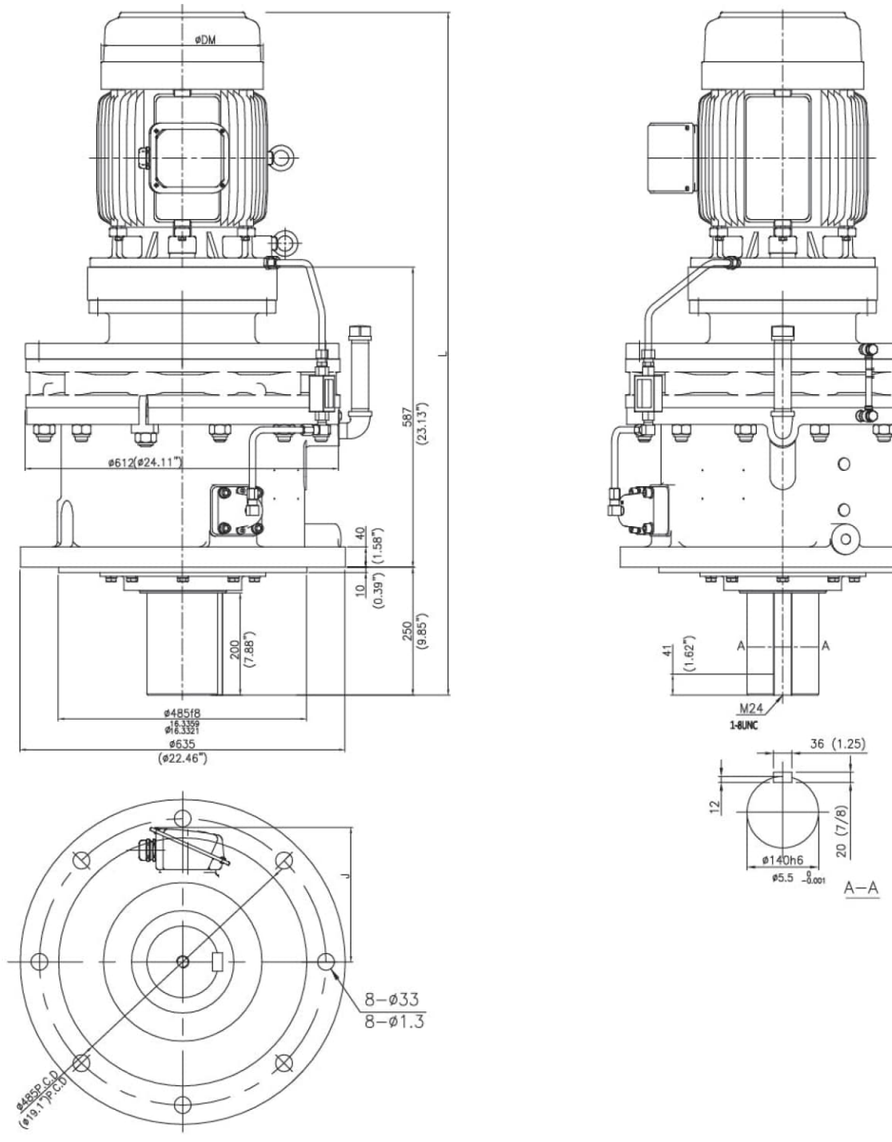
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
7.5	10	4	TDVM10 – 823/18	1234	224	273		572	48.62	8.8	10.74		1261
11	15	4	TDVM15 – 823/18	1298	263	317		656	51.14	10.3	12.48		1446.2
15	20	4	TDVM20 – 823/18	1342	263	317	- - -	661	52.88	10.3	12.48	- - -	1457.3
18.5	25	4	TDVM25 – 823/18	1404	304	354		723	55.32	12	13.96		1593.9
22	30	4	TDVM30 – 823/18	1404	304	354		723	55.32	12	13.96		1593.9

TDVM-824/16



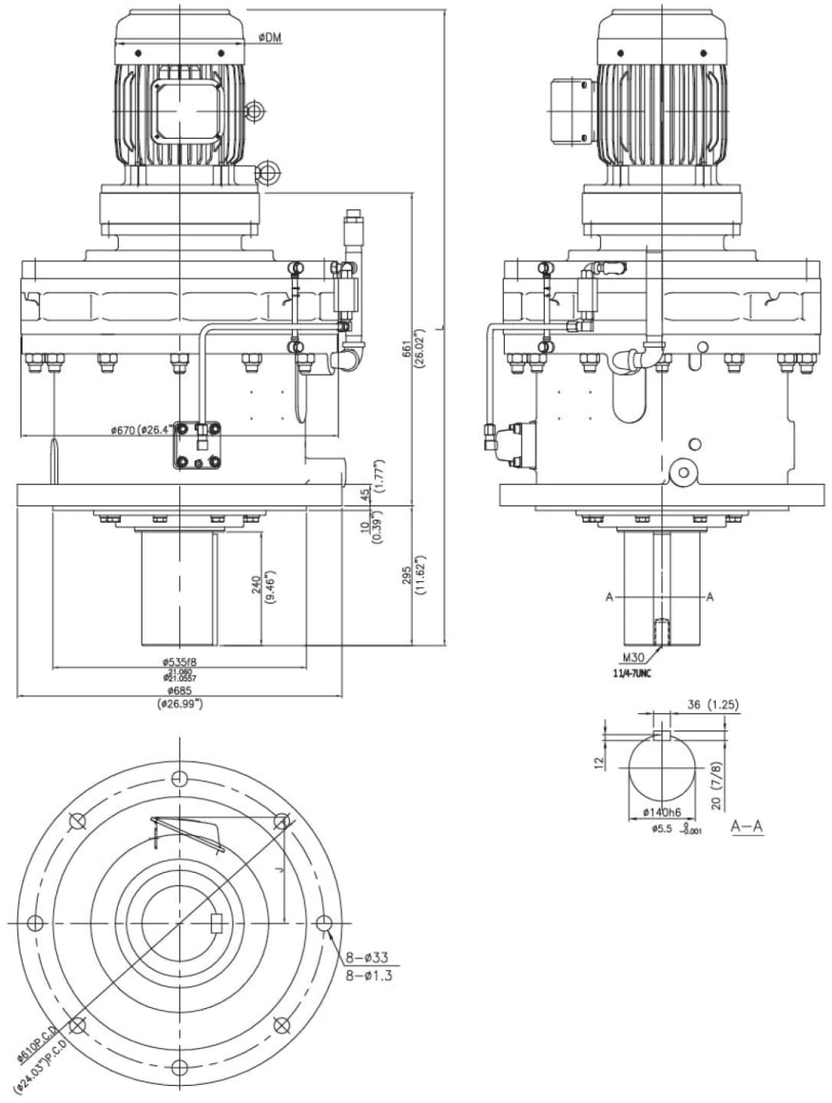
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
2.2	3	4	TDVM3 – 824/16	1141.5	180	219		622	44.98	7.1	8.62		1371.3
3.7	5	4	TDVM5 – 824/16	1158	189	235		634	45.63	7.5	9.26		1397.7
5.5	8	4	TDVM8 – 824/16	1191	224	273	- - -	650	46.93	8.8	10.75	- - -	1433
7.5	10	4	TDVM10 – 824/16	1229	224	273		665	48.56	8.8	10.75		1466
11	15	4	TDVM15 – 824/16	1312	262	317		697	51.69	10.3	12.48		1536.6
15	20	4	TDVM20 – 824/16	1356	263	317		716	53.43	10.3	12.48		1578.5

TDVM-824/18



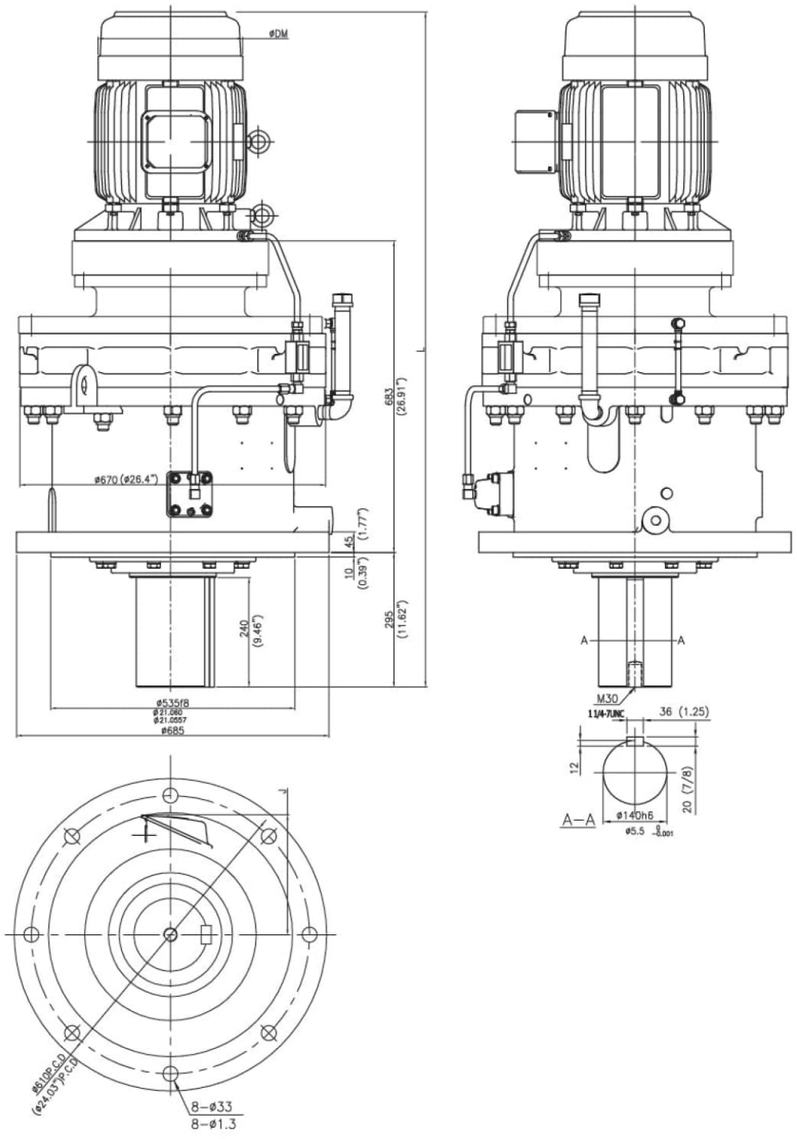
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
7.5	10	4	TDVM10 – 824/18	1271	224	273		655	50.07	8.82	10.74		1444
11	15	4	TDVM15 – 824/18	1335	263	317		688	52.59	10.35	12.48		1517
15	20	4	TDVM20 – 824/18	1379	263	317	- - -	748	54.33	10.35	12.48	- - -	1649
18.5	25	4	TDVM25 – 824/18	1441	304	354		812	56.77	12	13.96		1790
22	30	4	TDVM30 – 824/18	1441	304	354		812	56.77	12	13.96		1790

TDVM-825/17



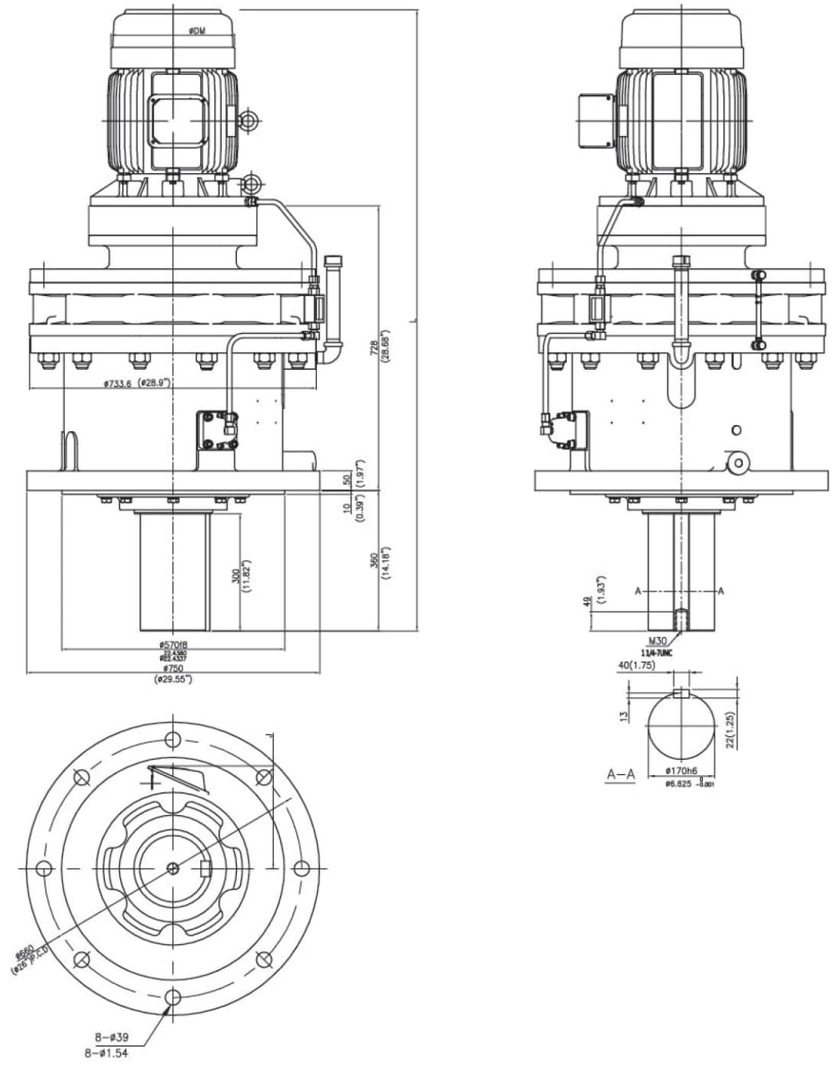
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	TDVM5 – 825/17	1309.5	189	235		968	51.59	7.46	9.26		2134
5.5	8	4	TDVM8 – 825/17	1342	224	271		984	52.89	8.83	10.75		2169
7.5	10	4	TDVM10 – 825/17	1380	224	273		993	54.39	8.83	10.75		2189
11	15	4	TDVM15 – 825/17	1451	263	317	- - -	1035	57.18	10.34	12.47	- - -	2282
15	20	4	TDVM20 – 825/17	1496	260	316		1041	58.92	10.25	12.46		2295
18.5	25	4	TDVM25 – 825/17	1518	304	382		1105	59.79	11.98	15.05		2436
22	30	4	TDVM30 – 825/17	1518	304	382		1105	59.79	11.98	15.05		2436

TDVM-825/19

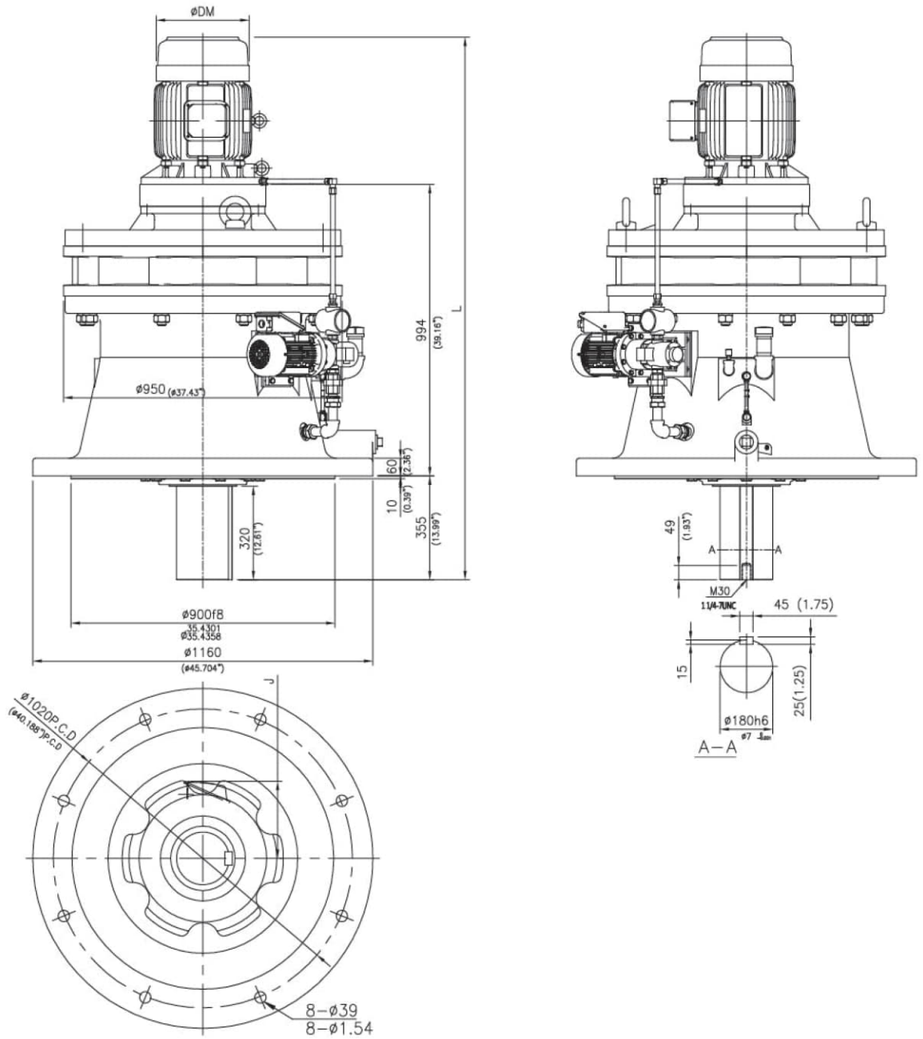


Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
7.5	10	4	TDVM10 – 825/19	1408	224	273		1001	55.49	8.84	10.75		2207
11	15	4	TDVM15 – 825/19	1480	263	317		1057	58.31	10.34	12.48		2330
15	20	4	TDVM20 – 825/19	1524	263	317	- - -	1108	60.05	10.34	12.48	- - -	2443
18.5	25	4	TDVM25 – 825/19	1582	308	354		1181	62.33	12.12	13.95		2603
22	30	4	TDVM30 – 825/19	1582	308	354		1181	62.33	12.12	13.95		2603
30	40	4	TDVM40 – 825/19	1577	305	382		1195	62.14	12.01	15.05		2635

TDVM-826/19



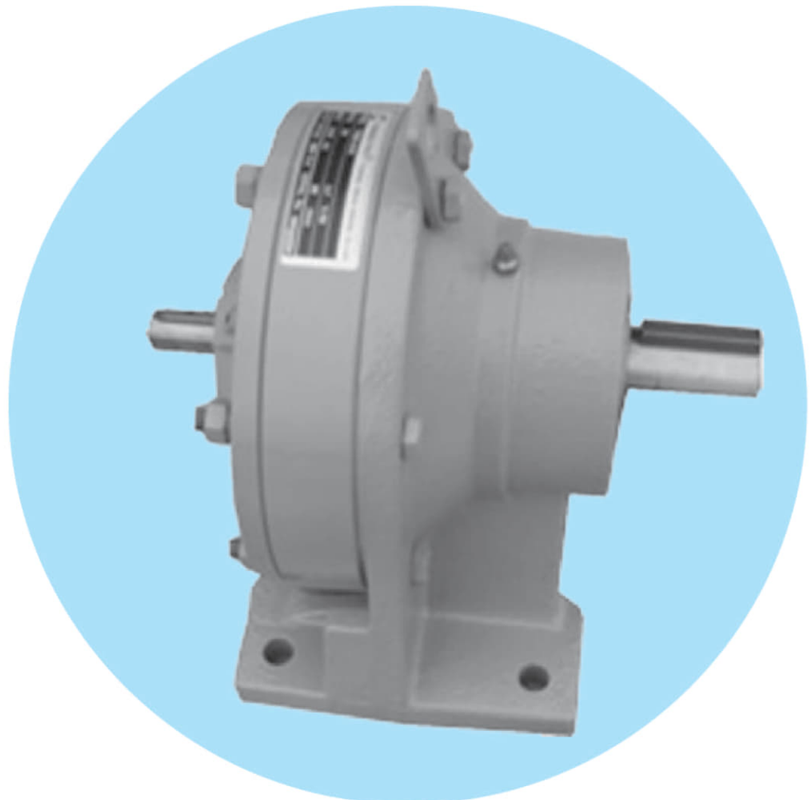
Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
5.5	8	4	TDVM8 – 826/19	1480	224	273		1181	58.33	8.83	10.75		2603.6
7.5	10	4	TDVM10 – 826/19	1518	224	273		1193	59.83	8.83	10.75		2630
11	15	4	TDVM15 – 826/19	1590	263	317		1324	62.65	10.35	12.48		2919
15	20	4	TDVM20 – 826/19	1634	263	317		1374	64.38	10.35	12.48		3029
18.5	25	4	TDVM25 – 826/19	1692	308	354	- - -	1451	66.66	12.12	13.95	- - -	3199
22	30	4	TDVM30 – 826/19	1692	308	354		1451	66.66	12.12	13.95		3199
30	40	4	TDVM40 – 826/19	1687	305	382		1465	66.47	12.01	15.05		3229.7
37	50	4	TDVM50 – 826/19	1758	339	420		1499	69.27	13.37	16.55		3305



Motor			TRANSCYKO Model No.	Metric (mm . kg)					Inches (in . lbs)				
KW	HP	Pole		L	J	DM	H	Weight	L	J	DM	H	Weight
5.5	8	4	TDVM8 – 827/19	1741	224	273		2681	68.62	8.83	10.75		5910
7.5	10	4	TDVM10 – 827/19	1779.5	224	273		2713	70.11	8.83	10.75		5981
11	15	4	TDVM15 – 827/19	1851	263	317		2740	72.93	10.34	12.48		6041
15	20	4	TDVM20 – 827/19	1895	263	317		2759	74.66	10.34	12.48		6083
18.5	25	4	TDVM25 – 827/19	1953	308	354	- - -	2834	76.95	12.12	13.95	- - -	6248
22	30	4	TDVM30 – 827/19	1953	308	354		2834	76.95	12.12	13.95		6248
30	40	4	TDVM40 – 827/19	1948	305	382		2850	76.75	12.01	15.05		6283
37	50	4	TDVM50 – 827/19	2019	339	420		2883	79.55	13.37	16.55		6355

SELECTION AND DIMENSIONS OF TRANSYCKO SPEED REDUCERS

- How To Select a Suitable TRANSCYKO Speed Reducer
- Selection Tables
- Dimension Pages



HOW TO SELECT A SUITABLE TRANCYKO SPEED REDUCERS

Example 1

Given Conditions: 1. Driven machine application: Mixer, shaft coupling, output shaft vertical down, V-Flange mounting.

2. Operation time: 10 hours/day
3. Input Speed: 1200 R.P.M. Output R.P.M. of reducer: 28 R.P.M.
4. Transmitted torque on slow speed shaft (output) of reducer = 450kg.m (39,060in.lbs)

Step 1: Refer to “Machine Load Classifications” determine the machine load Characteristics = M. Review the “Recommended TRANSCYKO Load factors”, table, determine the load factor = 1.2.

Step 2: Required ratio = Input R.P.M. of reducer/Output R.P.M. of reducer = 1200/28≈43

Step 3: Transmitted torque on output shaft of reducer X load factor = 450 kg.m (39,060/in.lbs) x 1.2 = 540 kg.m (46,872/in.lbs)

Step 4: Since “Transmitted torque on output shaft of reducer X load factor ⩽ Allowable output torque of reducer”, from the Selection Table of ratio 43 on page 166, on the column of 1200 input R.P.M., the frame size to suite the above requirement is 819.

Step 5: The complete model designation would be TDV-819-43.

Example 2

Given Conditions: 1. Driven machine application: Chain Conveyor (Variable feed), Horizontal foot mounted, sprocket pitch circle radius R=0.15m, Radial load position: center of slow speed shaft, light shock.

2. Operation time: 24 hours/day
3. Input Speed: 600 R.P.M., Output speed: 20 R.P.M.
4. Transmitted torque on slow speed shaft (Output) of reducer = 400kg.m (34,720in.lbs

Step 1: Refer to “Machine Load Classifications”, determine the machine load Characteristics = M. Review the “Recommended TRANSCYKO Load Factors” table, determine the load factor = 1.35

Step 2: Reduction ratio = Input R.P.M. of reducer/Output R.P.M. of reducer = 600/20≈29

Step 3: Transmitted torque on output shaft of reducer X load factor = 400 kg.m (34,720/in.lbs) x 1.35 = 540 kg.m (46,872/in.lbs)

Step 4: Since “Transmitted torque on output shaft of reducer X load factor ⩽ Allowable output torque of reducer”, from the Selection Table of ratio 29 on page 165, on the column of 600 input R.P.M., the frame size to suite the above requirement is 819.

Step 5: Check the overhung load on slow speed shaft

$$\text{Actual Overhung Load} = \frac{T\iota}{R} \leqslant \frac{\text{Allowable Overhung Load}}{Lf \times Cf \times Fs}$$

$$\text{Actual Overhung Load} = \frac{400}{0.15} \leqslant 2667 \leqslant \frac{5020}{1 \times 1 \times 1.2} = 4183$$

Frame size 819 is OK.

Step 6: The complete model designation would be THH-819-29.

SELECTION TABLE FOR SINGLE STAGE REDUCERS

		Ratio			6				
Frame Size	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	300	250	200	167	150	125	100	8.3 and Below
807	Output Torque kgf.m/lbf.in	0.87/75.7	1.05/90.8	1.32/114	1.56/135	1.75/152	2.11/183	2.45/212	2.45/212
	Input kW/HP	0.29/0.38	0.29/0.38	0.29/0.39	0.28/0.38	0.29/0.39	0.29/0.39	0.27/0.36	--
	Output Shaft Axial Load kgf/lbf	74.8/165	79.4/175	85.1/188	89.8/198	93.3/206	99.3/219	96/212	96/212
808	Output Torque kgf.m/lbf.in	1.23/107	1.49/129	1.85/161	2.2/191	2.48/215	2.77/240	2.89/251	2.89/251
	Input kW/HP	0.4/0.54	0.41/0.55	0.41/0.54	0.4/0.54	0.41/0.55	0.38/0.51	0.32/0.43	--
	Output Shaft Axial Load kgf/lbf	129/284	138/303	147/325	154/340	160/353	170/375	177/390	177/390
809	Output Torque kgf.m/lbf.in	4.58/398	5.54/481	6.89/598	8.19/711	9.22/801	11.2/970	13.5/1169	16.5/1434
	Input kW/HP	1.51/2.02	1.52/2.03	1.51/2.03	1.5/2.01	1.51/2.03	1.53/2.05	1.47/1.98	--
	Output Shaft Axial Load kgf/lbf	265/584	280/616	300/662	315/695	326/719	336/740	336/740	336/740
810	Output Torque kgf.m/lbf.in	9.62/835	11.5/1001	14.5/1257	16.3/1414	16.6/1439	16.6/1439	16.6/1439	16.5/1439
	Input kW/HP	3.16/4.24	3.16/4.24	3.17/4.26	2.97/3.99	2.72/3.66	2.27/3.05	1.82/2.44	--
	Output Shaft Axial Load kgf/lbf	383/845	407/897	433/955	459/1012	478/1053	510/1125	542/1194	542/1194
812	Output Torque kgf.m/lbf.in	17.5/1521	25.2/2187	31.4/2721	34.3/2976	35.3/3067	35.3/3067	35.3/3067	35.3/3067
	Input kW/HP	5.76/7.73	6.9/9.26	6.87/9.22	6.26/8.4	5.8/7.79	4.84/6.49	3.87/5.19	--
	Output Shaft Axial Load kgf/ bf	485/1069	509/1123	543/1197	574/1266	598/1318	639/1409	689/1519	983/2168
813	Output Torque kgf.m/lbf.in	33.9/2944	40.8/3543	50.8/4412	53.3/4626	54.8/4757	57.4/4978	58.5/5077	58.5/5077
	Input kW/HP	11.1/15	11.2/15	11.1/14.9	9.72/13.1	9/12.1	7.85/10.5	6.4/8.6	--
	Output Shaft Axial Load kgf/lbf	553/1219	584/1287	620/1367	657/1449	684/1507	730/1609	788/1737	1474/3249
814	Output Torque kgf.m/lbf.in	46/3990	55.6/4822	63.6/5520	66.2/5744	68.2/5919	70/6077	70/6077	70/6077
	Input kW/HP	15.1/20.3	15.2/20.4	13.9/18.7	12.1/16.2	11.2/15	9.58/12.9	7.67/10.3	--
	Output Shaft Axial Load kgf/lbf	877/1934	926/2041	986/2173	1036/2284	1076/2371	1135/2502	1214/2676	1608/3546
816	Output Torque kgf.m/lbf.in	73.1/6347	88.3/7664	109/9496	130/11245	130/11245	130/11245	130/11245	130/11245
	Input kW/HP	24/32.2	24.2/32.4	24/32.2	23.6/31.7	21.3/28.6	17.7/23.8	14.2/19	--
	Output Shaft Axial Load kgf/lbf	951/2096	1006/2218	1065/2348	1114/2457	1164/2566	1252/2761	1361/3000	2219/4892
817	Output Torque kgf.m/lbf.in	90.6/7868	109/9474	137/11864	161/14006	180/15653	180/15653	180/15653	180/15653
	Input kW/HP	29.8/40	29.9/40.1	29.9/40.2	29.4/39.5	29.6/39.8	24.7/33.1	19.7/26.5	--
	Output Shaft Axial Load kgf/lbf	1074/2368	1133/2499	1202/2651	1262/2781	1311/2890	1400/3085	1518/3346	2967/6540

Frame Size	Ratio	1800	1500	1200	8				
	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	225	188	150	125	113	94	75	6.3 and Below
807	Output Torque kgf.m/lbf.in	1.16/101	1.4/122	1.74/151	2.07/180	2.34/203	2.55/222	2.65/230	2.65/230
	Input kW/HP	0.29/0.38	0.29/0.39	0.29/0.38	0.28/0.38	0.29/0.39	0.26/0.35	0.22/0.29	--
	Output Shaft Axial Load kgf/lbf	85.4/188	90.6/200	97/214	102/225	101/223	98.3/217	97.6/215	97.6/215
808	Output Torque kgf.m/lbf.in	1.64/143	1.99/172	2.46/214	2.79/242	2.93/254	3.19/277	3.51/305	4.25/369
	Input kW/HP	0.4/0.54	0.41/0.55	0.4/0.54	0.38/0.51	0.36/0.48	0.33/0.44	0.29/0.39	--
	Output Shaft Axial Load kgf/lbf	143/314	151/334	162/358	170/375	177/390	177/390	177/390	177/390
809	Output Torque kgf.m/lbf.in	6.11/530	7.38/641	9.19/797	10.9/945	12.2/1061	14.9/1293	16.3/1417	16.3/1417
	Input kW/HP	1.51/2.02	1.52/2.03	1.51/2.02	1.49/2	1.51/2.02	1.53/2.05	1.34/1.8	--
	Output Shaft Axial Load kgf/lbf	293/647	310/684	331/729	336/740	336/740	336/740	336/740	336/740
810	Output Torque kgf.m/lbf.in	12.9/1117	15.4/1340	19.2/1671	20/1737	20.6/1787	21.5/1869	22.7/1969	26.8/2324
	Input kW/HP	3.17/4.25	3.17/4.25	3.16/4.24	2.74/3.68	2.54/3.4	2.21/2.97	1.86/2.5	--
	Output Shaft Axial Load kgf/lbf	425/938	451/994	482/1062	511/1127	534/1177	542/1194	542/1194	542/1194
812	Output Torque kgf.m/lbf.in	27.8/2417	33.6/2919	41/3560	42.7/3708	44/3815	45.9/3987	48.4/4201	55.4/4810
	Input kW/HP	6.86/9.21	6.9/9.27	6.74/9.04	5.85/7.85	5.41/7.27	4.72/6.33	3.97/5.33	--
	Output Shaft Axial Load kgf/ bf	535/1179	565/1246	603/1329	639/1409	666/1467	710/1565	764/1684	983/2168
813	Output Torque kgf.m/lbf.in	45.2/3920	54.5/4732	63/5470	65.7/5700	67.6/5864	70.6/6127	73.6/6389	73.6/6389
	Input kW/HP	11.1/14.9	11.2/15	10.4/13.9	8.99/12.1	8.32/11.2	7.25/9.72	6.04/8.11	--
	Output Shaft Axial Load kgf/lbf	615/1356	648/1429	692/1525	734/1618	765/1687	816/1800	879/1938	1474/3249
814	Output Torque kgf.m/lbf.in	52.7/4572	74/6426	80.8/7016	84.3/7316	86.6/7515	90.6/7864	95.3/8272	112/9726
	Input kW/HP	13/17.4	15.2/20.4	13.3/17.8	11.5/15.5	10.7/14.3	9.3/12.5	7.83/10.5	--
	Output Shaft Axial Load kgf/lbf	971/2141	1026/2262	1095/2415	1145/2524	1194/2632	1263/2785	1352/2980	1608/3546
816	Output Torque kgf.m/lbf.in	97.9/8497	117/10163	147/12745	163/14161	168/14577	175/15161	183/15910	183/15910
	Input kW/HP	24.1/32.4	24/32.3	24.1/32.4	22.3/30	20.7/27.8	17.9/24.1	15.1/20.2	--
	Output Shaft Axial Load kgf/lbf	1055/2326	1114/2457	1183/2609	1243/2740	1292/2848	1391/3066	1499/3305	2219/4892
817	Output Torque kgf.m/lbf.in	121/10463	146/12688	182/15818	215/18702	243/21091	252/21832	252/21832	252/21832
	Input kW/HP	29.7/39.9	30/40.3	29.9/40.2	29.5/39.6	29.9/40.2	25.8/34.7	20.7/27.7	--
	Output Shaft Axial Load kgf/lbf	1173/2586	1242/2738	1331/2933	1390/3064	1429/3151	1528/3368	1656/3650	2967/6540

Frame Size	Ratio	1800	1500	1200	11				
	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	225	188	150	125	113	94	75	6.3 and Below
807	Output Torque kgf.m/lbf.in	1.59/138	1.93/167	2.4/208	2.86/248	2.94/255	2.94/255	2.94/255	2.94/255
	Input kW/HP	0.29/0.38	0.29/0.39	0.29/0.38	0.28/0.38	0.26/0.35	0.22/0.29	0.18/0.24	--
	Output Shaft Axial Load kgf/lbf	115/254	118/260	118/260	116/256	114/251	114/251	114/251	114/251
808	Output Torque kgf.m/lbf.in	2.25/196	2.72/236	3.4/295	4.03/350	4.44/385	4.64/403	4.88/423	4.94/429
	Input kW/HP	0.4/0.54	0.41/0.55	0.41/0.54	0.4/0.54	0.4/0.53	0.35/0.46	0.29/0.39	--
	Output Shaft Axial Load kgf/lbf	159/351	168/371	177/390	177/390	177/390	177/390	177/390	177/390
809	Output Torque kgf.m/lbf.in	8.41/730	10.1/879	12.7/1102	15/1301	15.9/1384	16.7/1450	16.3/1417	19.5/1691
	Input kW/HP	1.51/2.02	1.51/2.03	1.52/2.04	1.49/2	1.43/1.92	1.25/1.67	0.98/1.31	--
	Output Shaft Axial Load kgf/lbf	332/732	336/740	336/740	336/740	336/740	336/740	336/740	336/740
810	Output Torque kgf.m/lbf.in	19.6/1704	21.3/1845	26.4/2291	28.3/2457	29.2/2531	29.9/2597	29.9/2597	29.9/2597
	Input kW/HP	3.52/4.72	3.17/4.26	3.15/4.23	2.82/3.78	2.61/3.51	2.23/3	1.79/2.4	--
	Output Shaft Axial Load kgf/lbf	482/1062	510/1125	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194
812	Output Torque kgf.m/lbf.in	32.7/2836	39.3/3412	48.9/4242	50.9/4415	52.3/4538	54.7/4752	57.6/4999	60.1/5212
	Input kW/HP	5.85/7.86	5.87/7.88	5.84/7.84	5.06/6.8	4.68/6.29	4.09/5.49	3.44/4.62	--
	Output Shaft Axial Load kgf/lbf	610/1344	643/1418	685/1511	727/1602	757/1669	807/1780	869/1916	983/2168
813	Output Torque kgf.m/lbf.in	62.1/5388	74.9/6504	88.3/7660	90.5/7857	90.5/7857	90.5/7857	90.5/7857	90.5/7857
	Input kW/HP	11.1/14.9	11.2/15	10.5/14.1	9.01/12.1	8.11/10.9	6.76/9.07	5.41/7.26	--
	Output Shaft Axial Load kgf/lbf	698/1538	735/1620	783/1726	832/1834	869/1917	931/2053	1012/2231	1474/3249
814	Output Torque kgf.m/lbf.in	84.4/7324	102/8812	115/9976	120/10391	123/10641	125/10890	125/10890	125/10890
	Input kW/HP	15.1/20.3	15.2/20.3	13.7/18.4	11.9/16	11/14.7	9.37/12.6	7.49/10.1	--
	Output Shaft Axial Load kgf/lbf	1085/2393	1145/2524	1214/2676	1283/2828	1342/2959	1411/3111	1510/3328	1608/3546
816	Output Torque kgf.m/lbf.in	134/11662	162/14078	202/17493	205/17826	205/17826	205/17826	205/17826	205/17826
	Input kW/HP	24.1/32.3	24.2/32.5	24.1/32.3	20.4/27.4	18.4/24.7	15.3/20.6	12.3/16.5	--
	Output Shaft Axial Load kgf/lbf	1193/2631	1252/2761	1331/2935	1420/3131	1479/3261	1588/3501	1706/3761	2219/4892
817	Output Torque kgf.m/lbf.in	166/14418	200/17384	250/21668	297/25787	305/26446	305/26446	305/26446	305/26446
	Input kW/HP	29.8/39.9	29.9/40.1	29.8/40	29.6/39.7	27.3/36.6	22.7/30.5	18.2/24.4	--
	Output Shaft Axial Load kgf/lbf	1350/2977	1419/3129	1498/3303	1567/3455	1636/3607	1754/3868	1902/4194	2697/6540
818	Output Torque kgf.m/lbf.in	216/18737	261/22633	325/28188	387/33577	436/37805	468/40624	468/40624	468/40624
	Input kW/HP	38.7/51.9	38.9/52.3	38.8/52.1	38.5/51.7	39/52.4	34.9/46.9	28/37.5	--
	Output Shaft Axial Load kgf/lbf	1792/3951	1910/4212	2029/4472	2127/4689	2196/4841	2344/5167	2531/5580	4185/9227
819	Output Torque kgf.m/lbf.in	263/22843	318/27592	396/34387	471/40855	531/46095	641/55675	728/63207	729/63289
	Input kW/HP	47.2/63.3	47.5/63.7	47.3/63.5	46.8/62.9	47.6/63.9	47.9/64.3	43.5/58.4	--
	Output Shaft Axial Load kgf/lbf	2537/5594	2685/5920	2873/6334	3021/6660	3130/6900	3297/7270	3534/7792	5933/13081
820	Output Torque kgf.m/lbf.in	328/28504	397/34418	493/42797	587/50929	661/57336	738/64072	777/67440	832/72204
	Input kW/HP	58.8/79	59.2/79.5	58.9/79	58.4/78.4	59.2/79.4	55.1/74	46.4/62.3	--
	Output Shaft Axial Load kgf/lbf	4929/10868	5217/11500	5553/12242	5820/12832	6028/13290	6355/14010	6790/14970	8483/18702
821	Output Torque kgf.m/lbf.in	412/35740	497/43166	618/53610	735/63810	828/71888	997/86495	1053/91390	1091/94654
	Input kW/HP	73.8/99	74.2/99.7	73.8/99	73.2/98.2	74.2/99.6	74.4/99.9	62.9/84.4	--
	Output Shaft Axial Load kgf/lbf	4954/10922	5220/11509	5555/12247	5821/12833	6018/13267	6323/13941	6757/14896	10440/23017
822	Output Torque kgf.m/lbf.in	552/47939	667/57891	830/72074	984/85427	1108/96209	1185/102844	1252/108650	1319/114456
	Input kW/HP	99/133	99.6/134	99.2/133	98/131	99.3/133	88.5/119	74.8/100	--
	Output Shaft Axial Load kgf/lbf	5215/11498	5490/12104	5824/12840	6109/13468	6305/13901	6669/14702	7121/15698	14536/32046
823	Output Torque kgf.m/lbf.in	--	--	946/82087	1121/97307	1274/110614	1533/133069	1677/145544	1830/158851
	Input kW/HP	--	--	113/152	112/150	114/153	114/154	100/134	--
	Output Shaft Axial Load kgf/lbf	--	--	7810/17218	8194/18064	8449/18628	8922/19669	8567/18888	17902/39467
824	Output Torque kgf.m/lbf.in	--	--	1103/95765	1314/114085	1477/128241	1794/155721	1976/171543	2005/174042
	Input kW/HP	--	--	132/177	131/176	132/178	134/180	118/158	--
	Output Shaft Axial Load kgf/lbf	--	--	8768/19330	9194/20268	9481/20901	9995/22035	10688/23563	20980/46253
825	Output Torque kgf.m/lbf.in	--	--	1245/108046	1482/128666	1672/145162	2024/175678	2509/217742	2661/230939
	Input kW/HP	--	--	149/200	148/198	150/201	151/203	150/201	--
	Output Shaft Axial Load kgf/lbf	--	--	10745/23689	11238/24776	11632/25645	12224/26949	13111/28905	25927/57158
826	Output Torque kgf.m/lbf.in	--	--	1448/125704	1713/148709	1940/168427	2338/202934	2906/252230	3020/262089
	Input kW/HP	--	--	173/232	171/229	174/233	175/234	175/233	--
	Output Shaft Axial Load kgf/lbf	--	--	13039/28746	13725/30258	14117/31123	14901/32852	15784/34797	27548/60733

Frame Size	Ratio	13							
	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	139	115	92	77	69	58	46	3.8 and Below
807	Output Torque kgf.m/lbf.in	1.89/164	2.28/198	2.84/247	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255
	Input kW/HP	0.29/0.38	0.29/0.39	0.29/0.39	0.25/0.33	0.22/0.3	0.19/0.25	0.15/0.2	--
	Output Shaft Axial Load kgf/lbf	118/260	118/260	118/260	118/260	118/260	118/260	118/260	118/260
808	Output Torque kgf.m/lbf.in	2.66/231	3.22/279	4.01/348	4.76/413	4.64/403	5.13/445	5.4/469	5.84/507
	Input kW/HP	0.4/0.54	0.41/0.55	0.41/0.54	0.4/0.54	0.35/0.47	0.32/0.43	0.27/0.37	--
	Output Shaft Axial Load kgf/lbf	167/369	177/390	177/390	177/390	177/390	177/390	177/390	177/390
809	Output Torque kgf.m/lbf.in	9.93/862	11.9/1036	14.9/1293	17.8/1542	15.9/1384	19.1/1658	19.5/1691	19.5/1691
	Input kW/HP	1.51/2.02	1.51/2.02	1.51/2.02	1.5/2.01	1.11/1.62	1.21/1.62	0.98/1.32	--
	Output Shaft Axial Load kgf/lbf	332/732	336/740	336/740	336/740	336/740	336/740	336/740	336/740
810	Output Torque kgf.m/lbf.in	17.6/1530	25.2/2184	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531
	Input kW/HP	2.67/3.59	3.18/4.27	2.95/3.96	2.46/3.3	2.21/2.97	1.84/2.47	1.47/1.98	--
	Output Shaft Axial Load kgf/lbf	500/1103	529/1166	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194
812	Output Torque kgf.m/lbf.in	38.6/3346	46.5/4037	52.1/4522	54.4/4719	55.9/4851	54.7/4752	60.8/5278	60.8/5278
	Input kW/HP	5.84/7.84	5.88/7.89	5.27/7.07	4.58/6.15	4.24/5.69	3.46/4.64	3.07/4.12	--
	Output Shaft Axial Load kgf/lbf	626/1381	662/1459	710/1565	753/1660	784/1728	836/1842	900/1983	983/2168
813	Output Torque kgf.m/lbf.in	73.4/6373	80.1/6955	84.4/7324	90.52/7857	90.3/7841	90.5/7857	90.5/7857	90.5/7857
	Input kW/HP	11.1/14.9	10.1/13.6	8.53/11.4	7.62/10.2	6.85/9.19	5.72/7.67	4.57/6.14	--
	Output Shaft Axial Load kgf/lbf	724/1596	769/1696	829/1828	879/1938	917/2021	980/2162	1061/2339	1474/3249
814	Output Torque kgf.m/lbf.in	99.6/8646	120/10391	133/11555	120/10391	134/11638	134/11638	134/11638	134/11638
	Input kW/HP	15.1/20.3	15.1/20.3	13.5/18.1	10.1/13.5	10.2/13.6	8.47/11.4	6.78/9.09	--
	Output Shaft Axial Load kgf/lbf	1105/2436	1164/2567	1243/2741	1322/2915	1372/3024	1451/3198	1549/3415	1599/3524
816	Output Torque kgf.m/lbf.in	149/12911	180/15660	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826
	Input kW/HP	22.6/30.3	22.8/30.6	20.8/27.9	17.3/23.2	15.6/20.9	13/17.4	10.4/13.9	--
	Output Shaft Axial Load kgf/lbf	1243/2740	1322/2913	1410/3109	1499/3305	1558/3435	1667/3674	1805/3979	2219/4892
817	Output Torque kgf.m/lbf.in	196/17054	237/20597	295/25622	297/25787	305/26446	305/26446	305/26446	305/26446
	Input kW/HP	29.8/40	30/40.2	29.8/40	25/33.6	23.1/31	19.2/25.8	15.4/20.7	--
	Output Shaft Axial Load kgf/lbf	1400/3085	1469/3238	1547/3411	1646/3629	1715/3781	1853/4085	2001/4411	2967/6540
818	Output Torque kgf.m/lbf.in	256/22219	309/26779	385/33411	457/39629	477/41370	477/41370	477/41370	477/41370
	Input kW/HP	38.8/52.1	39/52.3	38.9/52.2	38.5/51.6	36.1/48.5	30.1/40.4	24.1/32.3	--
	Output Shaft Axial Load kgf/lbf	1871/4125	1970/4342	2098/4624	2196/4841	2275/5015	2452/5406	2649/5840	4185/9227
819	Output Torque kgf.m/lbf.in	311/27019	376/32668	468/40610	557/48306	627/54447	672/58295	707/61324	734/63698
	Input kW/HP	47.2/63.3	47.5/63.8	47.3/63.5	46.9/62.9	47.5/63.8	42.4/56.9	35.7/47.9	--
	Output Shaft Axial Load kgf/lbf	2626/5790	2774/6116	2972/6551	3120/6878	3218/7095	3436/7574	3692/8140	5854/12907

Frame Size	Ratio	15							
	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	120	100	80	67	60	50	40	3.3 and Below
807	Output Torque kgf.m/lbf.in	2.18/189	2.63/228	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255
	Input kW/HP	0.29/0.38	0.29/0.39	0.26/0.35	0.21/0.29	0.19/0.26	0.16/0.22	0.13/0.17	--
	Output Shaft Axial Load kgf/lbf	118/260	118/260	118/260	118/260	118/260	118/260	118/260	118/260
808	Output Torque kgf.m/lbf.in	3.07/267	3.71/322	4.62/401	5.46/474	5.61/487	5.84/507	5.84/507	5.84/507
	Input kW/HP	0.4/0.54	0.41/0.55	0.4/0.54	0.4/0.53	0.37/0.49	0.32/0.43	0.26/0.34	--
	Output Shaft Axial Load kgf/lbf	168/371	177/390	177/390	177/390	177/390	177/390	177/390	177/390
809	Output Torque kgf.m/lbf.in	11.5/995	13.8/1202	17.2/1492	17.8/1542	19.5/1691	19.5/1691	19.5/1691	19.5/1691
	Input kW/HP	1.51/2.02	1.52/2.03	1.51/2.02	1.3/1.74	1.28/1.72	1.07/1.43	0.85/1.15	--
	Output Shaft Axial Load kgf/lbf	330/727	336/740	336/740	336/740	336/740	336/740	336/740	336/740
810	Output Torque kgf.m/lbf.in	24/2084	29/2514	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531
	Input kW/HP	3.16/4.24	3.17/4.26	2.55/3.43	2.13/2.86	1.92/2.57	1.6/2.14	1.28/1.71	--
	Output Shaft Axial Load kgf/lbf	527/1161	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194
812	Output Torque kgf.m/lbf.in	44.4/3856	53.7/4662	60.8/5278	54.4/4719	60.8/5278	60.8/5278	60.8/5278	60.8/5278
	Input kW/HP	5.84/7.83	5.88/7.89	5.33/7.15	3.97/5.33	3.99/5.36	3.33/4.47	2.66/3.57	--
	Output Shaft Axial Load kgf/lbf	672/1480	708/1561	758/1671	807/1780	842/1855	901/1986	973/2146	983/2168
813	Output Torque kgf.m/lbf.in	67.1/5823	81.1/7037	90.5/7857	87.9/7627	90.5/7857	90.5/7857	90.5/7857	90.5/7857
	Input kW/HP	8.81/11.8	8.88/11.9	7.93/10.6	6.41/8.61	5.95/7.98	4.96/6.65	3.96/5.32	--
	Output Shaft Axial Load kgf/lbf	749/1650	790/1741	847/1867	902/1988	941/2075	1012/2231	1090/2404	1474/3249
814	Output Torque kgf.m/lbf.in	114/9893	133/11555	133/11555	134/11638	133/11555	133/11555	133/11555	133/11555
	Input kW/HP	15/20.1	14.6/19.6	11.7/15.7	9.79/13.1	8.75/11.7	7.29/9.78	5.83/7.83	--
	Output Shaft Axial Load kgf/lbf	1155/2545	1214/2676	1312/2893	1381/3046	1431/3154	1520/3350	1608/3546	1608/3546
816	Output Torque kgf.m/lbf.in	172/14911	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826
	Input kW/HP	22.6/30.3	22.5/30.2	18/24.1	15/20.1	13.5/18.1	11.2/15.1	8.99/12.1	--
	Output Shaft Axial Load kgf/lbf	1322/2913	1391/3066	1499/3305	1598/3522	1667/3674	1775/3914	1933/4262	2219/4892
817	Output Torque kgf.m/lbf.in	227/19690	272/23645	288/24963	300/26034	305/26446	305/26446	305/26446	305/26446
	Input kW/HP	29.8/40	29.8/40	25.2/33.8	21.9/29.4	20/26.9	16.7/22.4	13.3/17.9	--
	Output Shaft Axial Load kgf/lbf	1449/3194	1518/3346	1636/3607	1735/3824	1804/3976	1951/4302	2109/4650	2967/6540
818	Output Torque kgf.m/lbf.in	295/25618	356/30924	387/33577	402/34904	414/35898	433/37557	455/39463	480/41619
	Input kW/HP	38.8/52.1	39/52.4	33.9/45.5	29.4/39.4	27.2/36.5	23.7/31.8	19.9/26.7	--
	Output Shaft Axial Load kgf/lbf	1960/4320	2058/4537	2206/4863	2354/5189	2452/5406	2610/5753	2807/6187	4185/9227
819	Output Torque kgf.m/lbf.in	359/31194	434/37662	541/46914	642/55757	682/59195	712/61815	750/65090	760/65991
	Input kW/HP	47.2/63.4	47.5/63.8	47.3/63.5	46.9/62.9	44.8/60.1	39/52.3	32.8/44.1	--
	Output Shaft Axial Load kgf/lbf	2745/6051	2912/6421	3100/6834	3248/7161	3386/7465	3603/7944	3880/8554	5864/12929
820	Output Torque kgf.m/lbf.in	448/38854	540/46904	672/58322	800/69411	881/76475	894/77625	894/77625	894/77625
	Input kW/HP	58.8/78.9	59.2/79.4	58.9/79	58.4/78.3	57.9/77.7	49/65.7	39.2/52.6	--
	Output Shaft Axial Load kgf/lbf	5296/11675	5593/12330	5939/13093	6236/13748	6444/14206	6840/15079	7315/16127	8483/18702
821	Output Torque kgf.m/lbf.in	561/48714	678/58833	843/73194	1006/87311	1128/97915	1166/101182	1166/101182	1166/101182
	Input kW/HP	73.7/99	74.2/99.6	73.9/99.1	73.4/98.6	74.1/99.5	63.8/85.7	51.1/68.5	--
	Output Shaft Axial Load kgf/lbf	5309/11704	5594/12334	5939/13094	6225/13723	6422/14158	6816/15026	7289/16069	10440/23017
822	Output Torque kgf.m/lbf.in	753/65356	909/78875	1128/97868	1347/116944	1414/122750	1414/122750	1414/122750	1414/122750
	Input kW/HP	98.9/133	99.5/134	98.8/133	98.3/132	92.9/125	77.4/104	61.9/83.1	--
	Output Shaft Axial Load kgf/lbf	5618/12386	5903/13013	6266/13815	6561/14464	6797/14984	7219/15915	7720/17019	14536/32046
823	Output Torque kgf.m/lbf.in	--	--	1294/112277	1533/133069	1725/149703	1916/166336	1916/166336	1916/166336
	Input kW/HP	--	--	113/152	112/150	113/152	105/141	83.9/113	--
	Output Shaft Axial Load kgf/lbf	--	--	7810/17218	8194/18064	8449/18628	8922/19669	8567/18888	17902/39467
824	Output Torque kgf.m/lbf.in	--	--	1506/130739	1794/155721	2015/174874	2437/211515	2562/222340	2560/222340
	Input kW/HP	--	--	132/177	131/176	132/178	133/179	112/151	--
	Output Shaft Axial Load kgf/lbf	--	--	8768/19330	9194/20268	9481/20901	9995/22035	10688/23563	20980/46253
825	Output Torque kgf.m/lbf.in	--	--	1701/147636	2024/175678	2290/198772	2765/240011	3022/262281	3022/262281
	Input kW/HP	--	--	149/200	148/198	150/202	151/203	132/178	--
	Output Shaft Axial Load kgf/lbf	--	--	10745/23689	11238/24776	11632/25645	12224/26949	13111/28905	25927/57158
826	Output Torque kgf.m/lbf.in	--	--	1969/170892	2348/203756	2631/228404	3181/276057	3957/343428	4212/365611
	Input kW/HP	--	--	172/231	171/230	173/232	174/234	173/233	--
	Output Shaft Axial Load kgf/lbf	--	--	13039/28746	13725/30258	14117/31123	14901/32852	15784/34797	27548/60733

Ratio					17				
Frame Size	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	106	88	71	59	53	44	35	2.9 and Below
807	Output Torque kgf.m/lbf.in	2.47/214	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255
	Input kW/HP	0.29/0.38	0.28/0.38	0.23/0.3	0.19/0.25	0.17/0.23	0.14/0.19	0.11/0.15	--
	Output Shaft Axial Load kgf/lbf	118/260	118/260	118/260	118/260	118/260	118/260	118/260	118/260
808	Output Torque kgf.m/lbf.in	3.49/303	4.21/365	5.24/455	5.84/507	5.84/507	5.84/507	5.84/507	
	Input kW/HP	0.41/0.54	0.41/0.55	0.41/0.54	0.38/0.51	0.34/0.45	0.28/0.38	0.23/0.3	--
	Output Shaft Axial Load kgf/lbf	177/390	177/390	177/390	177/390	177/390	177/390	177/390	177/390
809	Output Torque kgf.m/lbf.in	13.1/1135	15.7/1359	19.5/1691	19.5/1691	19.5/1691	19.5/1691	19.5/1691	19.5/1691
	Input kW/HP	1.52/2.04	1.51/2.03	1.51/2.02	1.25/1.68	1.13/1.52	0.94/1.26	0.75/1.01	--
	Output Shaft Axial Load kgf/lbf	331/729	336/740	336/740	336/740	336/740	336/740	336/740	336/740
810	Output Torque kgf.m/lbf.in	21/1820	25.3/2200	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531
	Input kW/HP	2.43/3.26	2.45/3.29	2.25/3.03	1.88/2.52	1.69/2.27	1.41/1.89	1.13/1.51	--
	Output Shaft Axial Load kgf/lbf	540/1190	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194
812	Output Torque kgf.m/lbf.in	48.2/4185	58.2/5048	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278
	Input kW/HP	5.59/7.5	5.62/7.54	4.7/6.31	3.92/5.26	3.52/4.73	2.94/3.94	2.35/3.15	--
	Output Shaft Axial Load kgf/lbf	677/1493	715/1576	771/1699	820/1808	856/1888	915/2018	983/2168	983/2168
813	Output Torque kgf.m/lbf.in	70.3/6102	84.9/7373	90.5/7857	90.5/7857	90.5/7857	90.5/7857	90.5/7857	90.5/7857
	Input kW/HP	8.15/10.9	8.21/11	7/9.39	5.83/7.83	5.25/7.04	4.37/5.87	3.5/4.7	--
	Output Shaft Axial Load kgf/lbf	807/1778	850/1873	916/2019	974/2146	1012/2231	1090/2404	1169/2577	1474/3249
814	Output Torque kgf.m/lbf.in	103/8978	125/10807	134/11638	133/11555	134/11638	134/11638	134/11638	134/11638
	Input kW/HP	12/16.1	12/16.1	10.4/13.9	8.57/11.5	7.77/10.4	6.48/8.69	5.18/6.95	--
	Output Shaft Axial Load kgf/lbf	1214/2676	1283/2828	1372/3024	1451/3198	1500/3307	1589/3502	1608/3546	1608/3546
816	Output Torque kgf.m/lbf.in	162/14078	196/16993	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826
	Input kW/HP	18.8/25.2	18.9/25.4	15.9/21.3	13.2/17.8	11.9/16	9.92/13.3	7.94/10.7	--
	Output Shaft Axial Load kgf/lbf	1371/3022	1440/3174	1558/3435	1657/3653	1726/3805	1854/4088	2002/4414	2219/4892
817	Output Torque kgf.m/lbf.in	205/17796	248/21503	305/26446	300/26034	305/26446	305/26446	305/26446	305/26446
	Input kW/HP	23.8/31.9	23.9/32.1	23.5/31.6	19.3/25.9	17.7/23.7	14.7/19.8	11.8/15.8	--
	Output Shaft Axial Load kgf/lbf	1538/3390	1616/3564	1705/3759	1833/4042	1912/4215	2050/4520	2208/4867	2967/6540
818	Output Torque kgf.m/lbf.in	335/29100	395/34323	416/36147	402/34904	446/38717	466/40458	487/42282	487/42282
	Input kW/HP	38.9/52.2	38.2/51.3	32.2/43.2	25.9/34.8	25.9/34.7	22.5/30.2	18.8/25.3	--
	Output Shaft Axial Load kgf/lbf	2058/4537	2166/4776	2344/5167	2482/5471	2580/5688	2747/6057	2974/6557	4185/9227
819	Output Torque kgf.m/lbf.in	408/35370	492/42739	612/53137	728/63207	765/66400	765/66400	765/66400	765/66400
	Input kW/HP	47.2/63.4	47.6/63.8	47.3/63.5	46.9/63	44.3/59.5	37/49.6	29.6/39.7	--
	Output Shaft Axial Load kgf/lbf	2903/6399	3070/6769	3258/7183	3436/7574	3564/7857	3811/8401	4127/9098	5933/13081

Ratio					21				
Frame Size	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	86	71	57	48	43	36	29	2.4 and Below
807	Output Torque kgf.m/lbf.in	2.49/216	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255
	Input kW/HP	0.23/0.31	0.23/0.31	0.18/0.25	0.15/0.21	0.14/0.19	0.11/0.15	0.09/0.12	--
	Output Shaft Axial Load kgf/lbf	118/260	118/260	118/260	118/260	118/260	118/260	118/260	118/260
808	Output Torque kgf.m/lbf.in	4.31/375	5.2/452	5.84/507	5.84/507	5.84/507	5.84/507	5.84/507	5.84/507
	Input kW/HP	0.4/0.54	0.41/0.55	0.37/0.49	0.3/0.41	0.27/0.37	0.23/0.31	0.18/0.25	--
	Output Shaft Axial Load kgf/lbf	177/390	177/390	177/390	177/390	177/390	177/390	177/390	177/390
809	Output Torque kgf.m/lbf.in	16/1392	19.3/1674	19.5/1691	19.5/1691	19.5/1691	19.5/1691	19.5/1691	19.5/1691
	Input kW/HP	1.51/2.02	1.51/2.02	1.22/1.64	1.02/1.36	0.91/1.23	0.76/1.02	0.61/0.82	--
	Output Shaft Axial Load kgf/lbf	328/723	336/740	336/740	336/740	336/740	336/740	336/740	336/740
810	Output Torque kgf.m/lbf.in	24.7/2142	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531
	Input kW/HP	2.32/3.11	2.28/3.06	1.82/2.45	1.52/2.04	1.37/1.84	1.14/1.53	0.91/1.22	--
	Output Shaft Axial Load kgf/lbf	540/1190	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194
812	Output Torque kgf.m/lbf.in	51.3/4456	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278
	Input kW/HP	4.82/6.47	4.76/6.38	3.8/5.11	3.17/4.26	2.85/3.83	2.38/3.19	1.9/2.55	--
	Output Shaft Axial Load kgf/lbf	746/1645	789/1738	852/1879	907/2001	946/2085	983/2168	983/2168	983/2168
813	Output Torque kgf.m/lbf.in	79/6856	85/7381	89.6/7775	90.5/7857	90.5/7857	90.5/7857	90.5/7857	90.5/7857
	Input kW/HP	7.41/9.95	6.65/8.93	5.6/7.52	4.72/6.33	4.25/5.7	3.54/4.75	2.83/3.8	--
	Output Shaft Axial Load kgf/lbf	861/1897	916/2019	982/2166	1051/2317	1090/2404	1169/2577	1257/2772	1474/3249
814	Output Torque kgf.m/lbf.in	116/10059	122/10558	128/11140	131/11389	131/11389	131/11389	131/11389	131/11389
	Input kW/HP	10.9/14.6	9.51/12.8	8.03/10.8	6.84/9.18	6.16/8.26	5.13/6.89	4.1/5.51	--
	Output Shaft Axial Load kgf/lbf	1293/2850	1381/3046	1470/3241	1549/3415	1608/3546	1608/3546	1608/3546	1608/3546
816	Output Torque kgf.m/lbf.in	171/14827	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826
	Input kW/HP	16/21.5	16.1/21.6	12.8/17.2	10.7/14.4	9.64/12.9	8.03/10.8	6.42/8.62	--
	Output Shaft Axial Load kgf/lbf	1479/3261	1558/3435	1686/3718	1785/3935	1874/4131	2002/4414	2160/4762	2219/4892
817	Output Torque kgf.m/lbf.in	253/21997	300/26034	305/26446	305/26446	305/26446	305/26446	305/26446	305/26446
	Input kW/HP	23.8/31.9	23.5/31.5	19.1/25.6	15.9/21.3	14.3/19.2	11.9/16	9.53/12.8	--
	Output Shaft Axial Load kgf/lbf	1646/3629	1735/3824	1883/4150	2011/4433	2089/4607	2237/4932	2425/5345	2967/6540
818	Output Torque kgf.m/lbf.in	414/35898	487/42282	487/42282	487/42282	487/42282	487/42282	487/42282	487/42282
	Input kW/HP	38.8/52.1	38.1/51.1	30.5/40.9	25.4/34.1	22.9/30.7	19/25.6	15.2/20.5	--
	Output Shaft Axial Load kgf/lbf	2206/4863	2324/5124	2521/5558	2679/5905	2797/6166	2994/6600	3230/7121	4185/9227
819	Output Torque kgf.m/lbf.in	504/43721	607/52727	757/65663	765/66400	765/66400	765/66400	765/66400	765/66400
	Input kW/HP	47.3/63.5	47.5/63.8	47.3/63.5	39.9/53.5	35.9/48.2	29.9/40.2	23.9/32.1	--
	Output Shaft Axial Load kgf/lbf	3120/6878	3288/7248	3515/7748	3732/8227	3890/8575	4166/9185	4492/9903	5933/13081
820	Output Torque kgf.m/lbf.in	622/53968	750/65140	863/74915	894/77625	894/77625	894/77625	894/77625	894/77625
	Input kW/HP	58.4/78.3	58.7/78.8	54/72.5	46.6/62.6	42/56.3	35/46.9	28/37.6	--
	Output Shaft Axial Load kgf/lbf	5909/13028	6236/13748	6642/14643	6998/15428	7265/16018	7701/16978	8236/18156	8483/18702
821	Output Torque kgf.m/lbf.in	786/68216	950/82415	1175/101998	1194/103630	1194/103630	1194/103630	1194/103630	1194/103630
	Input kW/HP	73.8/99	74.3/99.7	73.5/98.7	62.2/83.6	56/75.2	46.7/62.7	37.3/50.1	--
	Output Shaft Axial Load kgf/lbf	5979/13181	6284/13854	6668/14701	7042/15526	7298/16090	7752/17089	8283/18262	10440/23017
822	Output Torque kgf.m/lbf.in	1003/87086	1204/104503	1443/125238	1443/125238	1443/125238	1443/125238	1443/125238	1443/125238
	Input kW/HP	94.2/126	94.2/126	90.3/121	75.2/101	67.7/90.9	56.4/75.7	45.1/60.6	--
	Output Shaft Axial Load kgf/lbf	6256/13793	6580/14507	6993/15417	7376/16261	7661/16889	8132/17929	8702/19185	14536/32046
823	Output Torque kgf.m/lbf.in	--	--	1552/134733	1849/160515	1849/160515	1849/160515	1849/160515	1849/160515
	Input kW/HP	--	--	97.1/130	96.4/129	86.8/116	72.3/97.1	57.8/77.7	--
	Output Shaft Axial Load kgf/lbf	--	--	8794/19387	9217/20319	9561/21078	10131/22336	10820/23854	17902/39467
824	Output Torque kgf.m/lbf.in	--	--	1919/166547	2283/198191	2523/219009	2523/219009	2523/219009	2523/219009
	Input kW/HP	--	--	120/161	119/160	118/159	98.7/132	78.9/106	--
	Output Shaft Axial Load kgf/lbf	--	--	9797/21599	10292/22690	10589/23344	11282/24872	11974/26399	20980/46253
825	Output Torque kgf.m/lbf.in	--	--	2385/207020	2841/246610	3003/260631	3003/260631	3003/260631	3003/260631
	Input kW/HP	--	--	149/200	148/199	141/189	117/158	93.9/126	--
	Output Shaft Axial Load kgf/lbf	--	--	11830/26080	12421/27384	12815/28253	13703/30209	14688/32382	25927/57158
826	Output Torque kgf.m/lbf.in	--	--	2707/234977	3218/279343	3625/314672	4383/380399	4439/385329	4439/385329
	Input kW/HP	--	--	169/227	168/225	170/228	171/230	139/186	--
	Output Shaft Axial Load kgf/lbf	--	--	14509/31988	15196/33500	15784/34797	16568/36526	17646/38904	27548/60733

Frame Size	Ratio	25							
	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	72	60	48	40	36	30	24	2.0 and Below
807	Output Torque kgf.m/lbf.in	2.1/182	2.53/220	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255
	Input kW/HP	0.17/0.22	0.17/0.22	0.15/0.21	0.13/0.17	0.12/0.16	0.1/0.13	0.08/0.1	--
	Output Shaft Axial Load kgf/lbf	118/260	118/260	118/260	118/260	118/260	118/260	118/260	118/260
808	Output Torque kgf.m/lbf.in	3.7/321	4.48/389	5.32/462	5.53/480	5.68/493	5.84/507	5.84/507	5.84/507
	Input kW/HP	0.29/0.39	0.29/0.39	0.28/0.38	0.24/0.32	0.22/0.3	0.19/0.26	0.15/0.21	--
	Output Shaft Axial Load kgf/lbf	177/390	177/390	177/390	177/390	177/390	177/390	177/390	177/390
809	Output Torque kgf.m/lbf.in	10.9/945	13.3/1152	16.1/1401	16.7/1450	17.2/1492	18/1566	19/1649	19.5/1691
	Input kW/HP	0.86/1.15	0.87/1.17	0.85/1.14	0.73/0.98	0.68/0.91	0.59/0.8	0.5/0.67	--
	Output Shaft Axial Load kgf/lbf	336/740	333/734	327/721	326/719	325/716	323/712	321/708	320/705
810	Output Torque kgf.m/lbf.in	21.1/1828	25.4/2208	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531
	Input kW/HP	1.66/2.23	1.67/2.24	1.53/2.06	1.28/1.71	1.15/1.54	0.96/1.29	0.77/1.03	--
	Output Shaft Axial Load kgf/lbf	540/1190	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194
812	Output Torque kgf.m/lbf.in	49.5/4300	59.8/5188	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278
	Input kW/HP	3.91/5.24	3.93/5.27	3.2/4.29	2.66/3.57	2.4/3.22	2/2.68	1.6/2.14	--
	Output Shaft Axial Load kgf/lbf	789/1738	833/1836	900/1983	956/2107	983/2168	983/2168	983/2168	983/2168
813	Output Torque kgf.m/lbf.in	74.3/6446	86.6/7521	86.6/7521	86.6/7521	86.6/7521	86.6/7521	86.6/7521	86.6/7521
	Input kW/HP	5.85/7.86	5.69/7.64	4.55/6.11	3.79/5.09	3.42/4.58	2.85/3.82	2.28/3.06	--
	Output Shaft Axial Load kgf/lbf	904/1993	956/2107	1032/2274	1100/2426	1149/2534	1218/2686	1326/2924	1474/3249
814	Output Torque kgf.m/lbf.in	101/8729	121/10475	134/11638	134/11638	134/11638	134/11638	134/11638	134/11638
	Input kW/HP	7.93/10.6	7.93/10.6	7.05/9.46	5.87/7.88	5.29/7.09	4.4/5.91	3.52/4.73	--
	Output Shaft Axial Load kgf/lbf	1381/3046	1451/3198	1549/3415	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546
816	Output Torque kgf.m/lbf.in	191/16577	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826
	Input kW/HP	15.1/20.2	13.5/18.1	10.8/14.5	8.99/12.1	8.09/10.9	6.75/9.05	5.4/7.24	--
	Output Shaft Axial Load kgf/lbf	1539/3392	1637/3609	1775/3914	1894/4175	1972/4348	2111/4653	2219/4892	2219/4892
817	Output Torque kgf.m/lbf.in	245/21256	295/25622	305/26446	305/26446	305/26446	305/26446	305/26446	305/26446
	Input kW/HP	19.3/25.9	19.4/26	16/21.5	13.3/17.9	12/16.1	10/13.4	8.01/10.7	--
	Output Shaft Axial Load kgf/lbf	1725/3803	1823/4020	1971/4346	2089/4607	2188/4824	2346/5171	2523/5563	2967/6540
818	Output Torque kgf.m/lbf.in	381/33080	458/39795	487/42282	487/42282	487/42282	487/42282	487/42282	487/42282
	Input kW/HP	30/40.3	30.1/40.4	25.6/34.4	21.3/28.6	19.2/25.8	16/21.5	12.8/17.2	--
	Output Shaft Axial Load kgf/lbf	2314/5102	2452/5406	2629/5797	2797/6166	2925/6448	3132/6904	3378/7447	4185/9227
819	Output Torque kgf.m/lbf.in	504/43721	608/52809	757/65745	765/66400	765/66400	765/66400	765/66400	765/66400
	Input kW/HP	39.7/53.3	40/53.6	39.8/53.4	33.5/45	30.2/40.5	25.1/33.7	20.1/27	--
	Output Shaft Axial Load kgf/lbf	3278/7226	3465/7640	3692/8140	3929/8663	4097/9033	4374/9642	4719/10404	5933/13081

Frame Size	Ratio	29							
	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	62	52	41	35	31	26	21	1.7 and Below
807	Output Torque kgf.m/lbf.in	2.44/212	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255
	Input kW/HP	0.17/0.22	0.17/0.22	0.13/0.18	0.11/0.15	0.1/0.13	0.08/0.11	0.07/0.09	--
	Output Shaft Axial Load kgf/lbf	118/260	118/260	118/260	118/260	118/260	118/260	118/260	118/260
808	Output Torque kgf.m/lbf.in	4.18/363	5.06/439	5.8/504	5.84/507	5.84/507	5.84/507	5.84/507	5.84/507
	Input kW/HP	0.28/0.38	0.29/0.38	0.26/0.35	0.22/0.3	0.2/0.27	0.17/0.22	0.13/0.18	--
	Output Shaft Axial Load kgf/lbf	177/390	177/390	177/390	177/390	177/390	177/390	177/390	177/390
809	Output Torque kgf.m/lbf.in	11.5/995	13.8/1202	17.2/1492	18.2/1583	18.8/1633	19.5/1691	19.5/1691	19.5/1691
	Input kW/HP	0.78/1.05	0.78/1.05	0.78/1.05	0.69/0.92	0.64/0.86	0.55/0.74	0.44/0.59	--
	Output Shaft Axial Load kgf/lbf	336/740	333/734	326/719	324/714	323/712	322/710	322/710	322/710
810	Output Torque kgf.m/lbf.in	23.3/2018	28/2432	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531
	Input kW/HP	1.58/2.12	1.59/2.13	1.32/1.77	1.1/1.48	0.99/1.33	0.83/1.11	0.66/0.89	--
	Output Shaft Axial Load kgf/lbf	540/1190	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194
812	Output Torque kgf.m/lbf.in	49.5/4300	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278
	Input kW/HP	3.37/4.52	3.44/4.62	2.75/3.7	2.3/3.08	2.07/2.77	1.72/2.31	1.38/1.85	--
	Output Shaft Axial Load kgf/lbf	819/1806	870/1918	940/2072	983/2168	983/2168	983/2168	983/2168	983/2168
813	Output Torque kgf.m/lbf.in	81.6/7086	85.3/7406	89.9/7800	90.5/7857	90.5/7857	90.5/7857	90.5/7857	90.5/7857
	Input kW/HP	5.55/7.45	4.83/6.49	4.07/5.46	3.42/4.59	3.08/4.13	2.56/3.44	2.05/2.75	--
	Output Shaft Axial Load kgf/lbf	949/2092	1012/2231	1090/2404	1159/2556	1208/2664	1287/2837	1395/3076	1474/3249
814	Output Torque kgf.m/lbf.in	110/9560	134/11638	134/11638	134/11638	134/11638	134/11638	134/11638	134/11638
	Input kW/HP	7.48/10	7.59/10.2	6.07/8.15	5.06/6.8	4.56/6.12	3.8/5.1	3.04/4.08	--
	Output Shaft Axial Load kgf/lbf	1411/3111	1480/3263	1579/3481	1589/3502	1589/3502	1589/3502	1589/3502	1589/3502
816	Output Torque kgf.m/lbf.in	168/14577	203/17576	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826
	Input kW/HP	11.4/15.3	11.5/15.4	9.3/12.5	7.75/10.4	6.98/9.37	5.82/7.81	4.65/6.24	--
	Output Shaft Axial Load kgf/lbf	1627/3587	1716/3783	1864/4109	1982/4370	2061/4544	2209/4870	2219/4892	2219/4892
817	Output Torque kgf.m/lbf.in	273/23727	305/26446	305/26446	305/26446	305/26446	305/26446	305/26446	305/26446
	Input kW/HP	18.6/24.9	17.3/23.2	13.8/18.5	11.5/15.4	10.4/13.9	8.63/11.6	6.9/9.26	--
	Output Shaft Axial Load kgf/lbf	1823/4020	1932/4259	2080/4585	2218/4889	2306/5085	2474/5454	2671/5889	2967/6540
818	Output Torque kgf.m/lbf.in	352/30592	424/36810	487/42282	487/42282	487/42282	487/42282	487/42282	487/42282
	Input kW/HP	24/32.2	24/32.2	22.1/29.6	18.4/24.7	16.6/22.2	13.8/18.5	11/14.8	--
	Output Shaft Axial Load kgf/lbf	2452/5406	2590/5710	2767/6101	2944/6491	3072/6774	3279/7230	3545/7816	4185/9227
819	Output Torque kgf.m/lbf.in	546/47405	659/57230	765/66400	765/66400	765/66400	765/66400	765/66400	765/66400
	Input kW/HP	37.1/49.8	37.3/50.1	34.7/46.5	28.9/38.8	26/34.9	21.7/29.1	17.3/23.3	--
	Output Shaft Axial Load kgf/lbf	3446/7596	3643/8031	3890/8575	4146/9141	4314/9511	4620/10186	4986/10991	5933/13081
820	Output Torque kgf.m/lbf.in	662/57418	799/69329	863/74915	891/77297	891/77297	891/77297	891/77297	891/77297
	Input kW/HP	45/60.3	45.2/60.7	39.1/52.5	33.6/45.1	30.3/40.6	25.2/33.8	20.2/27.1	--
	Output Shaft Axial Load kgf/lbf	6464/14250	6810/15014	7275/16039	7671/16912	7948/17523	8434/18593	8483/18702	8483/18702
821	Output Torque kgf.m/lbf.in	842/73112	1015/88127	1213/105262	1213/105262	1213/105262	1213/105262	1213/105262	1213/105262
	Input kW/HP	57.2/76.8	57.5/77.2	54.9/73.7	45.8/61.5	41.2/55.3	34.3/46.1	27.5/36.9	--
	Output Shaft Axial Load kgf/lbf	6520/14375	6855/15113	7289/16069	7692/16959	7978/17589	8471/18674	9052/19955	10440/23017
822	Output Torque kgf.m/lbf.in	1099/95380	1338/116115	1462/126897	1462/126897	1462/126897	1462/126897	1462/126897	1462/126897
	Input kW/HP	74.7/100	75.8/102	66.2/88.9	55.2/74.1	49.7/66.7	41.4/55.6	33.1/44.5	--
	Output Shaft Axial Load kgf/lbf	6826/15049	7189/15850	7661/16889	8093/17842	8397/18513	8908/19639	9527/21003	14536/32046
823	Output Torque kgf.m/lbf.in	--	--	1658/143881	1849/160515	1849/160515	1849/160515	1849/160515	1849/160515
	Input kW/HP	--	--	75.1/101	69.8/93.7	62.8/84.3	52.4/70.3	41.9/56.2	--
	Output Shaft Axial Load kgf/lbf	--	--	9630/21230	10131/22336	10525/23203	11115/24504	11902/26239	17902/39467
824	Output Torque kgf.m/lbf.in	--	--	2082/180703	2475/214846	2523/219009	2523/219009	2523/219009	2523/219009
	Input kW/HP	--	--	94.3/127	93.5/125	85.7/115	71.4/95.9	57.2/76.7	--
	Output Shaft Axial Load kgf/lbf	--	--	10787/23781	11282/24872	11677/25744	12370/27272	13261/29235	20980/46253
825	Output Torque kgf.m/lbf.in	--	--	2585/224341	3079/267229	3145/273003	3145/273003	3145/273003	3145/273003
	Input kW/HP	--	--	117/157	116/156	107/143	89.1/120	71.2/95.6	--
	Output Shaft Axial Load kgf/lbf	--	--	13210/29122	13801/30426	14294/31513	15181/33469	16167/35642	25927/57158
826	Output Torque kgf.m/lbf.in	--	--	3464/300705	4118/357395	4439/385329	4439/385329	4439/385329	4439/385329
	Input kW/HP	--	--	157/211	155/209	151/202	126/169	101/135	--
	Output Shaft Axial Load kgf/lbf	--	--	15980/35229	16764/36959	17352/38255	18431/40633	19705/43442	27548/60733
827	Output Torque kgf.m/lbf.in	--	--	3499/303691	4159/360944	4684/406581	5659/491216	6644/576681	6644/576681
	Input kW/HP	--	--	159/213	157/211	159/214	160/215	151/202	--
	Output Shaft Axial Load kgf/lbf	--	--	18738/41309	19724/43483	20414/45005	21499/47397	22880/50441	24951/55006

Frame Size	Ratio	35							
	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	51	43	34	29	26	21	17	1.4 and Below
807	Output Torque kgf.m/lbf.in	2.54/221	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255
	Input kW/HP	0.14/0.19	0.14/0.19	0.11/0.15	0.09/0.12	0.08/0.11	0.07/0.09	0.06/0.07	--
	Output Shaft Axial Load kgf/lbf	118/260	118/260	118/260	118/260	118/260	118/260	118/260	118/260
808	Output Torque kgf.m/lbf.in	4.93/428	5.8/504	5.84/507	5.84/507	5.84/507	5.84/507	5.84/507	5.84/507
	Input kW/HP	0.28/0.37	0.27/0.37	0.22/0.29	0.18/0.25	0.16/0.22	0.14/0.18	0.11/0.15	--
	Output Shaft Axial Load kgf/lbf	177/390	177/390	177/390	177/390	177/390	177/390	177/390	177/390
809	Output Torque kgf.m/lbf.in	13.4/1160	16.1/1401	18.5/1608	19.3/1674	19.5/1691	19.5/1691	19.5/1691	19.5/1691
	Input kW/HP	0.75/1.01	0.76/1.02	0.7/0.93	0.6/0.81	0.55/0.74	0.46/0.61	0.37/0.49	--
	Output Shaft Axial Load kgf/lbf	334/736	329/725	324/714	323/712	322/710	322/710	322/710	322/710
810	Output Torque kgf.m/lbf.in	21.1/1828	25.4/2208	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531
	Input kW/HP	1.19/1.59	1.19/1.6	1.09/1.47	0.91/1.22	0.82/1.1	0.68/0.92	0.55/0.73	--
	Output Shaft Axial Load kgf/lbf	540/1190	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194
812	Output Torque kgf.m/lbf.in	55.7/4834	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278
	Input kW/HP	3.14/4.21	2.85/3.83	2.28/3.06	1.9/2.55	1.71/2.3	1.43/1.92	1.14/1.53	--
	Output Shaft Axial Load kgf/lbf	869/1916	924/2038	983/2168	983/2168	983/2168	983/2168	983/2168	983/2168
813	Output Torque kgf.m/lbf.in	74.3/6446	86.6/7521	90.5/7857	90.5/7857	90.5/7857	90.5/7857	90.5/7857	90.5/7857
	Input kW/HP	4.18/5.61	4.07/5.46	3.4/4.56	2.83/3.8	2.55/3.42	2.12/2.85	1.7/2.28	--
	Output Shaft Axial Load kgf/lbf	1012/2231	1071/2361	1149/2534	1218/2686	1277/2816	1366/3011	1474/3249	1474/3249
814	Output Torque kgf.m/lbf.in	134/11638	134/11638	134/11638	134/11638	134/11638	134/11638	134/11638	134/11638
	Input kW/HP	7.55/10.1	6.29/8.45	5.03/6.76	4.19/5.63	3.78/5.07	3.15/4.22	2.52/3.38	--
	Output Shaft Axial Load kgf/lbf	1500/3307	1589/3502	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546
816	Output Torque kgf.m/lbf.in	203/17576	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826
	Input kW/HP	11.4/15.3	9.64/12.9	7.71/10.3	6.42/8.62	5.78/7.76	4.82/6.47	3.85/5.17	--
	Output Shaft Axial Load kgf/lbf	1716/3783	1844/4066	1992/4392	2111/4653	2199/4849	2219/4892	2219/4892	2219/4892
817	Output Torque kgf.m/lbf.in	264/22903	305/26446	305/26446	305/26446	305/26446	305/26446	305/26446	305/26446
	Input kW/HP	14.9/19.9	14.3/19.2	11.4/15.4	9.53/12.8	8.58/11.5	7.15/9.6	5.72/7.68	--
	Output Shaft Axial Load kgf/lbf	1942/4281	2060/4541	2218/4889	2375/5237	2474/5454	2641/5823	2858/6301	2967/6540
818	Output Torque kgf.m/lbf.in	399/34655	482/41868	487/42282	487/42282	487/42282	487/42282	487/42282	487/42282
	Input kW/HP	22.5/30.2	22.6/30.4	18.3/24.5	15.2/20.5	13.7/18.4	11.4/15.3	9.14/12.3	--
	Output Shaft Axial Load kgf/lbf	2610/5753	2757/6079	2984/6578	3161/6969	3299/7273	3525/7772	3801/8380	4185/9227
819	Output Torque kgf.m/lbf.in	526/45686	635/55102	765/66400	765/66400	765/66400	765/66400	765/66400	765/66400
	Input kW/HP	29.6/39.8	29.8/40	28.7/38.5	23.9/32.1	21.5/28.9	17.9/24.1	14.4/19.3	--
	Output Shaft Axial Load kgf/lbf	3653/8053	3860/8510	4137/9120	4393/9686	4581/10099	4897/10796	5282/11644	5894/12994

Frame Size	Ratio	43							
	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	42	35	28	23	21	17	14	1.2 and Below
807	Output Torque kgf.m/lbf.in	2.47/214	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255	2.94/255
	Input kW/HP	0.11/0.15	0.11/0.15	0.09/0.12	0.07/0.1	0.07/0.09	0.06/0.08	0.04/0.06	--
	Output Shaft Axial Load kgf/lbf	118/260	118/260	118/260	118/260	118/260	118/260	118/260	118/260
808	Output Torque kgf.m/lbf.in	4.91/426	5.84/507	5.84/507	5.84/507	5.84/507	5.84/507	5.84/507	5.84/507
	Input kW/HP	0.22/0.3	0.22/0.3	0.18/0.24	0.15/0.2	0.13/0.18	0.11/0.15	0.09/0.12	--
	Output Shaft Axial Load kgf/lbf	177/390	166/366	166/366	166/366	166/366	166/366	166/366	166/366
809	Output Torque kgf.m/lbf.in	13.1/1135	15.8/1368	17.5/1517	18.2/1583	18.8/1633	19.5/1691	19.5/1691	19.5/1691
	Input kW/HP	0.6/0.8	0.6/0.81	0.53/0.72	0.46/0.62	0.43/0.58	0.37/0.5	0.3/0.4	--
	Output Shaft Axial Load kgf/lbf	336/740	331/729	328/723	326/719	325/716	324/714	324/714	324/714
810	Output Torque kgf.m/lbf.in	23.5/2043	28.4/2465	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531
	Input kW/HP	1.08/1.45	1.08/1.46	0.89/1.2	0.74/1	0.67/0.9	0.56/0.75	0.45/0.6	--
	Output Shaft Axial Load kgf/lbf	540/1190	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194	542/1194
812	Output Torque kgf.m/lbf.in	51.2/4448	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278
	Input kW/HP	2.35/3.15	2.32/3.12	1.86/2.49	1.55/2.08	1.39/1.87	1.16/1.56	0.93/1.25	--
	Output Shaft Axial Load kgf/lbf	936/2064	983/2168	983/2168	983/2168	983/2168	983/2168	983/2168	983/2168
813	Output Torque kgf.m/lbf.in	80.9/7021	86.6/7521	90.5/7857	90.5/7857	90.5/7857	90.5/7857	90.5/7857	90.5/7857
	Input kW/HP	3.71/4.98	3.31/4.44	2.77/3.71	2.3/3.09	2.07/2.78	1.73/2.32	1.38/1.86	--
	Output Shaft Axial Load kgf/lbf	1081/2382	1149/2534	1238/2729	1326/2924	1385/3054	1474/3249	1474/3249	1474/3249
814	Output Torque kgf.m/lbf.in	117/10142	123/10641	129/11223	134/11638	134/11638	134/11638	134/11638	134/11638
	Input kW/HP	5.36/7.19	4.68/6.28	3.95/5.3	3.41/4.58	3.07/4.12	2.56/3.44	2.05/2.75	--
	Output Shaft Axial Load kgf/lbf	1569/3459	1608/3546	1599/3524	1579/3481	1579/3481	1579/3481	1579/3481	1579/3481
816	Output Torque kgf.m/lbf.in	172/14911	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826
	Input kW/HP	7.87/10.6	7.84/10.5	6.28/8.42	5.23/7.02	4.71/6.32	3.92/5.26	3.14/4.21	--
	Output Shaft Axial Load kgf/lbf	1874/4131	1972/4348	2130/4696	2219/4892	2219/4892	2219/4892	2219/4892	2219/4892
817	Output Torque kgf.m/lbf.in	244/21173	294/25540	305/26446	305/26446	305/26446	305/26446	305/26446	305/26446
	Input kW/HP	11.2/15	11.2/15.1	9.31/12.5	7.76/10.4	6.98/9.37	5.82/7.81	4.65/6.25	--
	Output Shaft Axial Load kgf/lbf	2099/4628	2208/4867	2385/5258	2533/5584	2641/5823	2829/6236	2967/6540	2967/6540
818	Output Torque kgf.m/lbf.in	409/35484	487/42282	487/42282	487/42282	487/42282	487/42282	487/42282	487/42282
	Input kW/HP	18.7/25.1	18.6/25	14.9/20	12.4/16.6	11.2/15	9.3/12.5	7.44/9.99	--
	Output Shaft Axial Load kgf/lbf	2797/6166	2964/6535	3200/7056	3407/7512	3555/7837	3791/8358	4097/9032	4185/9227
819	Output Torque kgf.m/lbf.in	646/56084	702/60915	740/64190	765/66400	765/66400	765/66400	765/66400	765/66400
	Input kW/HP	29.6/39.8	26.8/36	22.6/30.3	19.5/26.1	17.5/23.5	14.6/19.6	11.7/15.7	--
	Output Shaft Axial Load kgf/lbf	3919/8641	4166/9185	4482/9881	4749/10469	4956/10926	5292/11666	5706/12580	5933/13081
820	Output Torque kgf.m/lbf.in	684/59390	825/71629	897/77872	897/77872	897/77872	897/77872	897/77872	897/77872
	Input kW/HP	31.4/42.1	31.5/42.3	27.4/36.8	22.8/30.7	20.6/27.6	17.1/23	13.7/18.4	--
	Output Shaft Axial Load kgf/lbf	7315/16127	7721/17021	8236/18156	8483/18702	8483/18702	8483/18702	8483/18702	8483/18702
821	Output Torque kgf.m/lbf.in	968/84047	1166/101182	1213/105262	1213/105262	1213/105262	1213/105262	1213/105262	1213/105262
	Input kW/HP	44.4/59.6	44.5/59.8	37.1/49.7	30.9/41.4	27.8/37.3	23.2/31.1	18.5/24.9	--
	Output Shaft Axial Load kgf/lbf	7358/16221	7752/17089	8283/18262	8746/19282	9062/19977	9623/21215	10243/22583	10440/23017
822	Output Torque kgf.m/lbf.in	1223/106162	1481/128555	1558/135190	1558/135190	1548/134361	1558/135190	1558/135190	1558/135190
	Input kW/HP	56.1/75.2	56.6/75.9	47.6/63.9	39.7/53.2	35.5/47.6	29.7/39.9	23.8/31.9	--
	Output Shaft Axial Load kgf/lbf	7730/17041	8142/17950	8692/19163	9183/20246	9517/20982	10116/22303	10804/23818	14536/32046
823	Output Torque kgf.m/lbf.in	--	--	1782/154693	1849/160515	1897/164673	1993/172990	2003/173822	2003/173822
	Input kW/HP	--	--	54.5/73.1	47.1/63.2	43.5/58.4	38.1/51.1	30.6/41.1	--
	Output Shaft Axial Load kgf/lbf	--	--	10820/23854	11410/25155	11804/26022	12492/27540	13377/29492	17902/39467
824	Output Torque kgf.m/lbf.in	--	--	2466/214013	2523/219009	2523/219009	2523/219009	2523/219009	2523/219009
	Input kW/HP	--	--	75.3/101	64.2/86.2	57.8/77.6	48.2/64.7	38.5/51.7	--
	Output Shaft Axial Load kgf/lbf	--	--	12073/26617	12667/27926	13261/29235	14053/30981	15042/33162	20980/46253
825	Output Torque kgf.m/lbf.in	--	--	2889/250734	3003/260631	3088/268054	3221/279601	3345/290323	3345/290323
	Input kW/HP	--	--	88.3/118	76.5/103	70.8/95	61.5/82.6	51.1/68.6	--
	Output Shaft Axial Load kgf/lbf	--	--	14787/32600	15576/34338	16167/35642	17054/37598	18336/40424	25927/57158
826	Output Torque kgf.m/lbf.in	--	--	3644/316315	4345/377113	4439/385329	4439/385329	4439/385329	4439/385329
	Input kW/HP	--	--	111/149	111/148	102/137	84.8/114	67.8/91	--
	Output Shaft Axial Load kgf/lbf	--	--	17941/39552	18921/41713	19607/43226	20784 /45820	22156/48846	27548/60733
827	Output Torque kgf.m/lbf.in	--	--	4923/427325	5851/507811	6644/576681	6644/576681	6644/576681	6644/576681
	Input kW/HP	--	--	150/202	149/200	152/204	127/170	102/136	--
	Output Shaft Axial Load kgf/lbf	--	--	24951/55006	24951/55006	24951/55006	24951/55006	24951/55006	24951/55006

Frame Size	Ratio	51							
	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	35	29	24	20	18	15	12	0.98 and Below
808	Output Torque kgf.m/lbf.in	3.68/320	4.45/386	5.27/457	5.49/476	5.49/476	5.54/481	5.54/481	5.54/481
	Input kW/HP	0.14/0.19	0.14/0.19	0.14/0.18	0.12/0.16	0.12/0.16	0.09/0.12	0.07/0.1	--
	Output Shaft Axial Load kgf/lbf	177/390	175/386	163/360	159/351	159/351	158/349	158/349	158/349
809	Output Torque kgf.m/lbf.in	10.9/945	12.7/1102	13.9/1210	14.9/1293	14.9/1293	14.9/1293	14.9/1293	14.9/1293
	Input kW/HP	0.42/0.56	0.41/0.55	0.36/0.48	0.32/0.43	0.32/0.43	0.24/0.32	0.19/0.26	--
	Output Shaft Axial Load kgf/lbf	336/740	334/736	331/729	330/727	330/727	330/727	330/727	330/727
810	Output Torque kgf.m/lbf.in	19.9/1729	24.1/2093	27/2341	28.9/2506	28.9/2506	28.9/2506	28.9/2506	28.9/2506
	Input kW/HP	0.77/1.03	0.78/1.04	0.69/0.93	0.62/0.83	0.62/0.83	0.46/0.62	0.37/0.5	--
	Output Shaft Axial Load kgf/lbf	540/1190	542/1194	542/1194	533/1175	533/1175	533/1175	533/1175	533/1175
812	Output Torque kgf.m/lbf.in	58.2/5048	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278
	Input kW/HP	2.25/3.02	1.96/2.63	1.57/2.1	1.31/1.75	1.31/1.75	0.98/1.31	0.78/1.05	--
	Output Shaft Axial Load kgf/lbf	976/2152	983/2168	983/2168	983/2168	983/2168	983/2168	983/2168	983/2168
813	Output Torque kgf.m/lbf.in	74.6/6479	78.3/6799	82.5/7160	85.9/7455	85.9/7455	92.4/8021	93.2/8087	93.2/8087
	Input kW/HP	2.88/3.87	2.52/3.39	2.13/2.85	1.84/2.48	1.84/2.48	1.49/2	1.2/1.61	--
	Output Shaft Axial Load kgf/lbf	1140/2512	1208/2664	1316/2902	1395/3076	1395/3076	1474/3249	1474/3249	1474/3249
814	Output Torque kgf.m/lbf.in	109/9477	115/9976	121/10475	125/10890	125/10890	134/11638	134/11638	134/11638
	Input kW/HP	4.22/5.66	3.7/4.97	3.11/4.17	2.69/3.62	2.69/3.62	2.16/2.9	1.73/2.32	--
	Output Shaft Axial Load kgf/lbf	1608/3546	1608/3546	1608/3546	1599/3524	1599/3524	1579/3481	1579/3481	1579/3481
816	Output Torque kgf.m/lbf.in	195/16910	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826
	Input kW/HP	7.53/10.1	6.61/8.88	5.29/7.1	4.41/5.92	4.41/5.92	3.31/4.44	2.65/3.55	--
	Output Shaft Axial Load kgf/lbf	1943/4283	2071/4566	2219/4892	2219/4892	2219/4892	2219/4892	2219/4892	2219/4892
817	Output Torque kgf.m/lbf.in	290/25128	305/26446	305/26446	305/26446	305/26446	305/26446	305/26446	305/26446
	Input kW/HP	11.2/15	9.81/13.2	7.85/10.5	6.54/8.78	6.54/8.78	4.91/6.58	3.92/5.27	--
	Output Shaft Axial Load kgf/lbf	2168/4780	2306/5085	2503/5519	2661/5867	2661/5867	2967/6540	2967/6540	2967/6540
818	Output Torque kgf.m/lbf.in	388/33660	468/40624	487/42282	487/42282	487/42282	487/42282	487/42282	487/42282
	Input kW/HP	15/20.1	15.1/20.2	12.5/16.8	10.5/14	10.5/14	7.84/10.5	6.27/8.42	--
	Output Shaft Axial Load kgf/lbf	2935/6470	3102/6839	3338/7360	3555/7837	3555/7837	3959/8728	4185/9227	4185/9227
819	Output Torque kgf.m/lbf.in	533/46259	642/55757	765/66400	765/66400	765/66400	765/66400	765/66400	765/66400
	Input kW/HP	20.6/27.6	20.7/27.8	19.7/26.5	16.4/22	16.4/22	12.3/16.5	9.85/13.2	--
	Output Shaft Axial Load kgf/lbf	4137/9120	4374/9642	4680/10317	4976/10970	4976/10970	5538/12210	5854/12907	5854/12907

Frame Size	Ratio	59							
	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	30.5	25.4	20.3	16.9	15.3	12.7	10.2	0.85 and Below
808	Output Torque kgf.m/lbf.in	4.04/350	4.88/423	5.15/447	5.36/466	5.52/479	5.58/485	5.58/485	5.58/485
	Input kW/HP	0.13/0.18	0.14/0.18	0.11/0.15	0.1/0.13	0.09/0.12	0.08/0.1	0.06/0.08	--
	Output Shaft Axial Load kgf/lbf	177/390	170/375	166/366	162/358	160/353	158/349	158/349	158/349
809	Output Torque kgf.m/lbf.in	11.1/961	12/1044	13.4/1160	14.2/1235	14.2/1235	14.2/1235	14.2/1235	14.2/1235
	Input kW/HP	0.37/0.5	0.33/0.45	0.3/0.4	0.26/0.35	0.24/0.32	0.2/0.27	0.16/0.21	--
	Output Shaft Axial Load kgf/lbf	336/740	336/740	334/736	332/732	332/732	332/732	332/732	332/732
810	Output Torque kgf.m/lbf.in	21.1/1828	24.4/2117	26.9/2333	28.2/2448	28.8/2498	28.8/2498	28.8/2498	28.8/2498
	Input kW/HP	0.7/0.94	0.68/0.91	0.6/0.8	0.52/0.7	0.48/0.65	0.4/0.54	0.32/0.43	--
	Output Shaft Axial Load kgf/lbf	540/1190	542/1194	542/1194	528/1164	511/1127	511/1127	511/1127	511/1127
812	Output Torque kgf.m/lbf.in	47.8/4152	57.8/5015	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278
	Input kW/HP	1.6/2.14	1.61/2.16	1.35/1.82	1.13/1.51	1.02/1.36	0.85/1.14	0.68/0.91	--
	Output Shaft Axial Load kgf/lbf	981/2163	983/2168	983/2168	983/2168	983/2168	983/2168	983/2168	983/2168
813	Output Torque kgf.m/lbf.in	74.4/6455	86.6/7521	91.3/7923	95.4/8284	97.3/8448	101/8776	101/8776	101/8776
	Input kW/HP	2.48/3.33	2.41/3.24	2.03/2.73	1.77/2.38	1.63/2.18	1.41/1.89	1.13/1.51	--
	Output Shaft Axial Load kgf/lbf	1199/2642	1267/2794	1375/3032	1454/3205	1474/3249	1474/3249	1474/3249	1474/3249
814	Output Torque kgf.m/lbf.in	109/9477	114/9893	121/10475	125/10890	129/11223	134/11638	134/11638	134/11638
	Input kW/HP	3.65/4.9	3.17/4.26	2.69/3.61	2.33/3.13	2.16/2.9	1.87/2.5	1.49/2	--
	Output Shaft Axial Load kgf/lbf	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546
816	Output Torque kgf.m/lbf.in	172/14911	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826
	Input kW/HP	5.74/7.7	5.72/7.67	4.57/6.14	3.81/5.12	3.43/4.6	2.86/3.84	2.29/3.07	--
	Output Shaft Axial Load kgf/lbf	2180/4805	2219/4892	2219/4892	2219/4892	2219/4892	2219/4892	2219/4892	2219/4892
817	Output Torque kgf.m/lbf.in	246/21338	296/25705	305/26446	305/26446	305/26446	305/26446	305/26446	305/26446
	Input kW/HP	8.21/11	8.24/11.1	6.78/9.11	5.65/7.59	5.09/6.83	4.24/5.69	3.39/4.55	--
	Output Shaft Axial Load kgf/lbf	2306/5085	2444/5389	2632/5802	2799/6171	2927/6453	2967/6540	2967/6540	2967/6540
818	Output Torque kgf.m/lbf.in	357/31007	432/37474	487/42282	487/42282	487/42282	487/42282	487/42282	487/42282
	Input kW/HP	11.9/16	12/16.1	10.8/14.6	9.04/12.1	8.14/10.9	6.78/9.1	5.42/7.28	--
	Output Shaft Axial Load kgf/lbf	3082/6795	3260/7186	3506/7729	3722/8207	3880/8554	4146/9140	4175/9205	4185/9227
819	Output Torque kgf.m/lbf.in	554/48060	668/57967	765/66400	765/66400	765/66400	765/66400	765/66400	765/66400
	Input kW/HP	18.5/24.8	18.6/25	17/22.9	14.2/19.1	12.8/17.1	10.6/14.3	8.52/11.4	--
	Output Shaft Axial Load kgf/lbf	4334/9555	4601/10143	4926/10861	5232/11536	5450/12014	5825/12841	5845/12885	5845/12885
820	Output Torque kgf.m/lbf.in	666/57829	804/69822	863/74915	897/77872	897/77872	897/77872	897/77872	897/77872
	Input kW/HP	22.3/29.9	22.4/30.1	19.2/25.8	16.6/22.3	15/20.1	12.5/16.8	9.99/13.4	--
	Output Shaft Axial Load kgf/lbf	7988/17611	8424/18571	8483/18702	8483/18702	8483/18702	8483/18702	8483/18702	8483/18702
821	Output Torque kgf.m/lbf.in	1100/95470	1194/103630	1213/105262	1213/105262	1213/105262	1213/105262	1213/105262	1213/105262
	Input kW/HP	36.7/49.3	33.2/44.6	27/36.2	22.5/30.2	20.3/27.2	16.9/22.7	13.5/18.1	--
	Output Shaft Axial Load kgf/lbf	7998/17632	8451/18631	9042/19934	9544/21041	9948/21931	10440/23017	10440/23017	10440/23017
822	Output Torque kgf.m/lbf.in	1347/116944	1414/122750	1491/129385	1548/134361	1548/134361	1548/134361	1548/134361	1548/134361
	Input kW/HP	45/60.4	39.4/52.8	33.2/44.6	28.7/38.6	25.9/34.7	21.5/28.9	17.2/23.1	--
	Output Shaft Axial Load kgf/lbf	8417/18557	8908/19639	9507/20960	10018/22086	10411/22952	11000/24251	11786/25984	14536/32046
823	Output Torque kgf.m/lbf.in	--	--	1686/146376	1849/160515	1897/164673	1983/172158	2003/173822	2003/173822
	Input kW/HP	--	--	37.6/50.4	34.3/46.1	31.7/42.5	27.6/37.1	22.3/29.9	--
	Output Shaft Axial Load kgf/lbf	--	--	11902/26239	12492/27540	12886/28408	13771/30359	14656/32311	17902/39467
824	Output Torque kgf.m/lbf.in	--	--	2523/219009	2523/219009	2523/219009	2523/219009	2523/219009	2523/219009
	Input kW/HP	--	--	56.2/75.4	46.8/62.9	42.1/56.6	35.1/47.1	28.1/37.7	--
	Output Shaft Axial Load kgf/lbf	--	--	13261/29235	13954/30762	14547/32071	15339/33817	16428/36217	20980/46253
825	Output Torque kgf.m/lbf.in	--	--	2889/250734	3003/260631	3088/268054	3231/280426	3345/290323	3345/290323
	Input kW/HP	--	--	64.3/86.3	55.7/74.8	51.6/69.2	45/60.4	37.2/50	--
	Output Shaft Axial Load kgf/lbf	--	--	16167/35642	17054/37598	17646/38902	18829/41510	20110/44336	25927/57158
826	Output Torque kgf.m/lbf.in	--	--	4174/362324	4439/385329	4439/385329	4439/385329	4439/385329	4439/385329
	Input kW/HP	--	--	93/125	82.4/111	74.1/99.5	61.8/82.9	49.4/66.3	--
	Output Shaft Axial Load kgf/lbf	--	--	19705/43442	20686/45604	21470/47333	22744/50143	24313/53601	27548/60733
827	Output Torque kgf.m/lbf.in	--	--	5908/512790	6644/576681	6644/576681	6644/576681	6644/576681	6644/576681
	Input kW/HP	--	--	132/177	123/165	111/149	92.5/124	74/99.3	--
	Output Shaft Axial Load kgf/lbf	--	--	24852/54789	24951/55006	24951/55006	24951/55006	24951/55006	24951/55006

Frame Size	Ratio	71							
	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	25	21	17	14	13	11	8.5	0.70 and Below
809	Output Torque kgf.m/lbf.in	10.8/937	12/1044	12.9/1119	12.9/1119	12.9/1119	12.9/1119	12.9/1119	12.9/1119
	Input kW/HP	0.3/0.4	0.28/0.37	0.24/0.32	0.2/0.27	0.18/0.24	0.15/0.2	0.12/0.16	--
	Output Shaft Axial Load kgf/lbf	336/740	335/738	333/734	333/734	333/734	333/734	333/734	333/734
810	Output Torque kgf.m/lbf.in	20.1/1745	21.8/1894	24.1/2093	25.6/2225	25.6/2225	25.6/2225	25.6/2225	25.6/2225
	Input kW/HP	0.56/0.75	0.5/0.68	0.45/0.6	0.4/0.53	0.36/0.48	0.3/0.4	0.24/0.32	--
	Output Shaft Axial Load kgf/lbf	542/1194	542/1194	540/1190	539/1188	539/1188	539/1188	539/1188	539/1188
812	Output Torque kgf.m/lbf.in	42.6/3700	48.9/4242	51.3/4456	53.5/4645	55/4777	57.1/4958	57.1/4958	57.1/4958
	Input kW/HP	1.18/1.59	1.13/1.52	0.95/1.28	0.83/1.11	0.76/1.03	0.66/0.89	0.53/0.71	--
	Output Shaft Axial Load kgf/lbf	981/2163	983/2168	983/2168	983/2168	983/2168	983/2168	983/2168	983/2168
813	Output Torque kgf.m/lbf.in	76.9/6676	86.6/7521	91.3/7923	95.4/8284	97.3/8448	100/8694	100/8694	100/8694
	Input kW/HP	2.13/2.87	2/2.69	1.69/2.27	1.47/1.98	1.35/1.81	1.16/1.55	0.93/1.24	--
	Output Shaft Axial Load kgf/lbf	1277/2816	1366/3011	1464/3227	1474/3249	1474/3249	1474/3249	1474/3249	1474/3249
814	Output Torque kgf.m/lbf.in	108/9394	113/9810	120/10391	125/10807	128/11140	129/11223	129/11223	129/11223
	Input kW/HP	3/4.03	2.61/3.51	2.22/2.97	1.92/2.58	1.78/2.39	1.5/2.01	1.2/1.61	--
	Output Shaft Axial Load kgf/lbf	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546
816	Output Torque kgf.m/lbf.in	203/17660	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826	205/17826
	Input kW/HP	5.65/7.58	4.75/6.38	3.8/5.1	3.17/4.25	2.85/3.83	2.38/3.19	1.9/2.55	--
	Output Shaft Axial Load kgf/lbf	2160/4762	2219/4892	2219/4892	2219/4892	2219/4892	2219/4892	2219/4892	2219/4892
817	Output Torque kgf.m/lbf.in	254/22080	300/26034	305/26446	305/26446	305/26446	305/26446	305/26446	305/26446
	Input kW/HP	7.06/9.48	6.94/9.31	5.64/7.57	4.7/6.31	4.23/5.68	3.52/4.73	2.82/3.78	--
	Output Shaft Axial Load kgf/lbf	2454/5410	2592/5715	2799/6171	2967/6540	2967/6540	2967/6540	2967/6540	2967/6540
818	Output Torque kgf.m/lbf.in	352/30510	423/36728	439/38137	439/38137	439/38137	439/38137	439/38137	439/38137
	Input kW/HP	9.76/13.1	9.79/13.1	8.13/10.9	6.78/9.09	6.1/8.19	5.08/6.82	4.07/5.46	--
	Output Shaft Axial Load kgf/lbf	3289/7251	3496/7707	3752/8272	3998/8814	4166/9183	4185/9227	4185/9227	4185/9227
819	Output Torque kgf.m/lbf.in	552/47897	666/57803	765/66400	765/66400	765/66400	765/66400	765/66400	765/66400
	Input kW/HP	15.3/20.6	15.4/20.7	14.2/19	11.8/15.8	10.6/14.3	8.85/11.9	7.08/9.5	--
	Output Shaft Axial Load kgf/lbf	4610/10164	4877/10752	5242/11557	5568/12276	5795/12776	5835/12863	5835/12863	5835/12863

Frame Size	Ratio	87							
	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	20.7	17.2	13.8	11.5	10.3	8.6	6.9	0.57 and Below
809	Output Torque kgf.m/lbf.in	13.3/1152	13.9/1210	14.7/1276	15.3/1326	15.8/1368	16.4/1426	17.3/1500	19/1649
	Input kW/HP	0.3/0.4	0.26/0.35	0.22/0.3	0.19/0.26	0.18/0.24	0.16/0.21	0.13/0.18	--
	Output Shaft Axial Load kgf/lbf	336/740	335/738	333/734	332/732	331/729	330/727	329/725	325/716
810	Output Torque kgf.m/lbf.in	24.8/2151	26.6/2308	28/2432	29.2/2531	29.2/2531	29.2/2531	29.2/2531	29.2/2531
	Input kW/HP	0.56/0.75	0.5/0.67	0.42/0.57	0.37/0.49	0.33/0.44	0.28/0.37	0.22/0.3	--
	Output Shaft Axial Load kgf/lbf	542/1194	542/1194	511/1127	480/1057	480/1057	480/1057	480/1057	480/1057
812	Output Torque kgf.m/lbf.in	49.3/4275	54/4686	56.7/4925	60.8/5278	60.8/5278	60.8/5278	60.8/5278	60.8/5278
	Input kW/HP	1.12/1.5	1.02/1.37	0.86/1.15	0.77/1.03	0.69/0.92	0.57/0.77	0.46/0.62	--
	Output Shaft Axial Load kgf/lbf	983/2168	973/2146	967/2133	962/2120	959/2113	959/2113	959/2113	959/2113
813	Output Torque kgf.m/lbf.in	83/7201	86.6/7521	91.3/7923	94/8161	94.3/8185	94.3/8185	94.3/8185	94.3/8185
	Input kW/HP	1.88/2.52	1.64/2.2	1.38/1.85	1.18/1.59	1.07/1.43	0.89/1.19	0.71/0.96	--
	Output Shaft Axial Load kgf/lbf	1385/3054	1474/3249	1474/3249	1474/3249	1474/3249	1474/3249	1474/3249	1474/3249
814	Output Torque kgf.m/lbf.in	109/9477	114/9893	121/10475	122/10558	122/10558	122/10558	122/10558	122/10558
	Input kW/HP	2.47/3.32	2.15/2.89	1.82/2.45	1.53/2.05	1.38/1.85	1.15/1.54	0.92/1.23	--
	Output Shaft Axial Load kgf/lbf	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546	1608/3546
816	Output Torque kgf.m/lbf.in	172/14911	201/17410	201/17410	201/17410	201/17410	201/17410	201/17410	201/17410
	Input kW/HP	3.89/5.22	3.79/5.08	3.03/4.07	2.52/3.39	2.27/3.05	1.89/2.54	1.51/2.03	--
	Output Shaft Axial Load kgf/lbf	2180/4805	2189/4827	2189/4827	2189/4827	2189/4827	2189/4827	2189/4827	2189/4827
817	Output Torque kgf.m/lbf.in	246/21338	296/25705	305/26446	305/26446	305/26446	305/26446	305/26446	305/26446
	Input kW/HP	5.57/7.47	5.59/7.5	4.6/6.18	3.83/5.15	3.45/4.63	2.88/3.86	2.3/3.09	--
	Output Shaft Axial Load kgf/lbf	2641/5823	2789/6149	2967/6540	2967/6540	2967/6540	2967/6540	2967/6540	2967/6540
818	Output Torque kgf.m/lbf.in	376/32665	456/39546	487/42282	487/42282	487/42282	487/42282	487/42282	487/42282
	Input kW/HP	8.52/11.4	8.6/11.5	7.36/9.87	6.13/8.23	5.52/7.41	4.6/6.17	3.68/4.94	--
	Output Shaft Axial Load kgf/lbf	3555/7837	3752/8272	4047/8923	4185/9227	4185/9227	4185/9227	4185/9227	4185/9227
819	Output Torque kgf.m/lbf.in	591/51335	713/61897	765/66400	765/66400	765/66400	765/66400	765/66400	765/66400
	Input kW/HP	13.4/18	13.5/18.1	11.6/15.5	9.63/12.9	8.66/11.6	7.22/9.69	5.78/7.75	--
	Output Shaft Axial Load kgf/lbf	4976/10970	5262/11601	5667/12493	5874/12950	5874/12950	5874/12950	5874/12950	5874/12950
820	Output Torque kgf.m/lbf.in	692/60047	835/72450	845/73354	845/73354	845/73354	845/73354	845/73354	845/73354
	Input kW/HP	15.7/21	15.8/21.1	12.8/17.1	10.6/14.3	9.57/12.8	7.98/10.7	6.38/8.57	--
	Output Shaft Axial Load kgf/lbf	8483/18702	8483/18702	8483/18702	8483/18702	8483/18702	8483/18702	8483/18702	8483/18702
821	Output Torque kgf.m/lbf.in	925/80293	1025/88943	1081/93838	1081/93838	1081/93838	1081/93838	1081/93838	1081/93838
	Input kW/HP	21/28.1	19.3/26	16.3/21.9	13.6/18.3	12.2/16.4	10.2/13.7	8.16/11	--
	Output Shaft Axial Load kgf/lbf	9062/19977	9574/21106	10243/22583	10440/23017	10440/23017	10440/23017	10440/23017	10440/23017
822	Output Torque kgf.m/lbf.in	1175/102015	1424/123579	1472/127726	1472/127726	1472/127726	1472/127726	1472/127726	1472/127726
	Input kW/HP	26.6/35.7	26.9/36.1	22.2/29.8	18.5/24.9	16.7/22.4	13.9/18.6	11.1/14.9	--
	Output Shaft Axial Load kgf/lbf	9527/21003	10018/22086	10706/23602	11295/24901	11688/25767	12375/27283	13357/29448	14536/32046
823	Output Torque kgf.m/lbf.in	--	--	1581/137228	1677/145544	1677/145544	1677/145544	1677/145544	1677/145544
	Input kW/HP	--	--	23.9/32	21.1/28.3	19/25.5	15.8/21.2	12.7/17	--
	Output Shaft Axial Load kgf/lbf	--	--	13476/29709	14164/31227	14656/32311	15541/34263	16623/36648	17902/39467
824	Output Torque kgf.m/lbf.in	--	--	2120/184034	2207/191529	2207/191529	2207/191529	2207/191529	2207/191529
	Input kW/HP	--	--	32/43	27.8/37.3	25/33.5	20.8/28	16.7/22.4	--
	Output Shaft Axial Load kgf/lbf	--	--	15042/33162	15834/34908	16428/36217	17417/38398	18704/41235	20980/46253
825	Output Torque kgf.m/lbf.in	--	--	2813/244135	3003/260631	3003/260631	3003/260631	3003/260631	3003/260631
	Input kW/HP	--	--	42.5/57	37.8/50.7	34/45.7	28.3/38	22.7/30.4	--
	Output Shaft Axial Load kgf/lbf	--	--	18336/40424	19322/42597	20012/44118	21195/46726	22673/49986	25927/57158
826	Output Torque kgf.m/lbf.in	--	--	3493/303169	4146/359860	4250/368897	4250/368897	4250/368897	4250/368897
	Input kW/HP	--	--	52.7/70.8	52.2/70	48.1/64.6	40.1/53.8	32.1/43.1	--
	Output Shaft Axial Load kgf/lbf	--	--	22156/48846	23431/51656	24215/53385	25685/56627	27352/60301	27548/60733
827	Output Torque kgf.m/lbf.in	--	--	3528/306180	4187/363433	4723/409900	5707/495365	6644/576681	6644/576681
	Input kW/HP	--	--	53.3/71.5	52.7/70.7	53.5/71.8	53.9/72.3	50.2/67.3	--
	Output Shaft Axial Load kgf/lbf	--	--	20907/46092	21992/48484	22781/50223	24162/53267	24655/54354	24951/55006

Ratio					119				
Frame Size	Input Speed R.P.M	1800	1500	1200	1000	900	750	600	50 and Below
	Output Speed R.P.M	15	13	10	8.4	7.6	6.3	5.0	0.42 and Below
809	Output Torque kgf.m/lbf.in	9.05/786	10.5/912	10.5/912	10.5/912	10.5/912	10.5/912	10.5/912	10.5/912
	Input kW/HP	0.15/0.2	0.14/0.19	0.12/0.16	0.1/0.13	0.09/0.12	0.07/0.1	0.06/0.08	--
	Output Shaft Axial Load kgf/lbf	336/740	333/734	333/734	333/734	333/734	333/734	333/734	333/734
810	Output Torque kgf.m/lbf.in	17.2/1489	20.7/1795	23.6/2051	25.1/2175	25.1/2175	25.1/2175	25.1/2175	25.1/2175
	Input kW/HP	0.28/0.38	0.29/0.38	0.26/0.35	0.23/0.31	0.21/0.28	0.17/0.23	0.14/0.19	--
	Output Shaft Axial Load kgf/lbf	542/1194	540/1190	538/1185	537/1183	537/1183	537/1183	537/1183	537/1183

SELECTION TABLE FOR DOUBLE STAGE REDUCERS

Input Power 1500

Ratio	104(13 × 8)		121(11 × 11)		143(13 × 11)		165(15 × 11)		195(15 × 13)	
Output Speed R.P.M.	14		12		10		9.1		7.7	
Frame Size	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)
807/07	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)
808/07	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)
809/08	17.6 (1525)	0.29 (0.39)	15.7 (1359)	0.22 (0.3)	17.9 (1550)	0.21 (0.29)	19.5 (1691)	0.2 (0.27)	19.5 (1691)	<0.188 (<0.25)
810/08	25.7 (2233)	0.42 (0.57)	29.9 (2597)	0.42 (0.57)	29.2 (2531)	0.35 (0.47)	29.2 (2531)	0.3 (0.41)	29.2 (2531)	0.26 (0.34)
812/08	25.6 (2223)	0.42 (0.57)	29.7 (2577)	0.42 (0.57)	35.1 (3046)	0.42 (0.57)	40.5 (3515)	0.42 (0.57)	47.9 (4156)	0.42 (0.57)
812/09	60.8 (5278)	1 (1.35)	60.1 (5212)	0.85 (1.14)	60.8 (5278)	0.73 (0.98)	60.8 (5278)	0.63 (0.85)	60.8 (5278)	0.54 (0.72)
813/08										
813/09	78.7 (6832)	1.3 (1.74)	90.5 (7857)	1.28 (1.72)	90.5 (7857)	1.09 (1.46)	90.5 (7857)	0.94 (1.26)	90.5 (7857)	0.8 (1.07)
813/10	90.5 (7857)	1.49 (2)	90.5 (7857)	1.28 (1.72)	90.5 (7857)	1.09 (1.46)	90.5 (7857)	0.94 (1.26)		
814/08										
814/09					132 (11472)	1.59 (2.13)	132 (11472)	1.37 (1.84)	132 (11472)	1.16 (1.56)
814/10	134 (11638)	2.21 (2.97)	126 (10973)	1.79 (2.41)	134 (11638)	1.61 (2.16)	132 (11472)	1.37 (1.84)	132 (11472)	1.16 (1.56)
816/09									180 (15660)	1.59 (2.13)
816/10	203 (17576)	3.34 (4.48)	205 (17826)	2.91 (3.91)	205 (17826)	2.46 (3.31)	205 (17826)	2.14 (2.87)	205 (17826)	1.81 (2.43)
816/12	205 (17826)	3.39 (4.55)	205 (17826)	2.91 (3.91)	205 (17826)	2.46 (3.31)	205 (17826)	2.14 (2.87)		
817/09										
817/10					275 (23892)	3.3 (4.43)	305 (26446)	3.17 (4.25)	305 (26446)	2.68 (3.6)
817/12	305 (26446)	5.03 (6.75)	305 (26446)	4.32 (5.8)	305 (26446)	3.66 (4.91)	305 (26446)	3.17 (4.25)	305 (26446)	2.68 (3.6)
818/10										
818/13	478 (41453)	7.88 (10.6)	468 (40624)	6.64 (8.91)	478 (41453)	5.73 (7.69)	480 (41619)	4.99 (6.69)	480 (41619)	4.22 (5.66)
819/12	()	()	()	()	()	()	()	()	625 (54283)	5.5 (7.39)
819/13	707 (61406)	11.7 (15.7)	729 (63289)	10.3 (13.9)	734 (63698)	8.81 (11.8)	760 (65991)	7.91 (10.6)	760 (65991)	6.69 (8.98)
820/12										
820/13			825 (71629)	11.7 (15.7)			894 (77625)	9.3 (12.5)	894 (77625)	7.87 (10.6)
821/13			820 (71179)	11.6 (15.6)			1119 (97102)	11.6 (15.6)	1166 (101182)	10.3 (13.8)
821/16			1091 (94654)	15.5 (20.8)			1166 (101182)	12.1 (16.3)	1166 (101182)	10.3 (13.8)
822/13			834 (72348)	11.8 (15.9)			()	()	1214 (105332)	10.7 (14.3)
822/17			1309 (113626)	18.6 (24.9)			1414 (122750)	14.7 (19.7)	1414 (122750)	12.4 (16.7)
823/16			1782 (154693)	25.3 (33.9)			1916 (166336)	19.9 (26.8)	1916 (166336)	16.9 (22.6)
823/18			1830 (158851)	26 (34.8)			1916 (166336)	19.9 (26.8)	1916 (166336)	16.9 (22.6)
824/16			()	()			2427 (210682)	25.2 (33.9)	2571 (223173)	22.6 (30.4)
824/18			2005 (174042)	28.4 (38.2)			2571 (223173)	26.7 (35.9)	2571 (223173)	22.6 (30.4)
825/17			2214 (192174)	31.4 (42.1)			3012 (261456)	31.3 (42)	3022 (262281)	26.6 (35.7)
825/19			2661 (230939)	37.7 (50.6)			3022 (262281)	31.4 (42.2)	3022 (262281)	26.6 (35.7)
826/19			3020 (262089)	42.8 (57.5)			4222 (366432)	43.9 (58.9)	4222 (366432)	37.1 (49.9)

Note: The background color indicates that the transfer power of the model is lower than the minimum power that can be used.

Ratio	231(21×11)		273(21×13)		319(29×11)		377(29×13)		473(43×11)	
Output Speed R.P.M.	7.8		6.6		5.6		4.8		3.8	
Frame Size	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)
807/07	0.0	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)
808/07	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)
809/08	19.5 (1691)	<0.188 (<0.25)	19.5 (1691)	<0.188 (<0.25)	19.5 (1691)	<0.188 (<0.25)	19.5 (1691)	<0.188 (<0.25)	19.5 (1691)	<0.188 (<0.25)
810/08	29.2 (2531)	0.22 (0.29)	29.2 (2531)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)
812/08	56.7 (4925)	0.42 (0.57)	60.8 (5278)	0.38 (0.51)	60.8 (5278)	0.33 (0.44)	60.8 (5278)	0.28 (0.37)	60.8 (5278)	0.22 (0.3)
812/09	60.8 (5278)	0.45 (0.61)	60.8 (5278)	0.38 (0.51)	60.8 (5278)	0.33 (0.44)				
813/08					78.2 (6791)	0.42 (0.56)	90.5 (7857)	0.41 (0.55)	90.5 (7857)	0.33 (0.44)
813/09	90.5 (7857)	0.67 (0.9)	90.5 (7857)	0.57 (0.76)	90.5 (7857)	0.49 (0.65)	90.5 (7857)	0.41 (0.55)	90.5 (7857)	0.33 (0.44)
813/10										
814/08									117 (10188)	0.43 (0.57)
814/09	130 (11306)	0.97 (1.3)	130 (11306)	0.82 (1.1)	134 (11638)	0.72 (0.97)	134 (11638)	0.61 (0.82)	134 (11638)	0.49 (0.65)
814/10	130 (11306)	0.97 (1.3)	130 (11306)	0.82 (1.1)						
816/09	205 (17826)	1.53 (2.05)	205 (17826)	1.29 (1.73)	205 (17826)	1.1 (1.48)	205 (17826)	0.93 (1.25)	205 (17826)	0.75 (1)
816/10	205 (17826)	1.53 (2.05)	205 (17826)	1.29 (1.73)	205 (17826)	1.1 (1.48)	205 (17826)	0.93 (1.25)		
816/12										
817/09			251 (21750)	1.57 (2.11)	292 (25375)	1.57 (2.11)	305 (26446)	1.39 (1.86)	305 (26446)	1.11 (1.48)
817/10	305 (26446)	2.26 (3.04)	305 (26446)	1.92 (2.57)	305 (26446)	1.64 (2.2)	305 (26446)	1.39 (1.86)	305 (26446)	1.11 (1.48)
817/12	305 (26446)	2.26 (3.04)	305 (26446)	1.92 (2.57)	305 (26446)	1.64 (2.2)				
818/10	447 (38800)	3.32 (4.46)	487 (42282)	3.06 (4.11)	487 (42282)	2.62 (3.52)	487 (42282)	2.22 (2.98)	487 (42282)	1.77 (2.37)
818/13	487 (42282)	3.62 (4.86)	487 (42282)	3.06 (4.11)	487 (42282)	2.62 (3.52)	487 (42282)	2.22 (2.98)		
819/12	765 (66400)	5.68 (7.63)	765 (66400)	4.81 (6.45)	765 (66400)	4.11 (5.52)	765 (66400)	3.48 (4.67)	765 (66400)	2.78 (3.73)
819/13	765 (66400)	5.68 (7.63)	765 (66400)	4.81 (6.45)	765 (66400)	4.11 (5.52)	765 (66400)	3.48 (4.67)	765 (66400)	2.78 (3.73)
820/12			807 (70068)	5.07 (6.81)	779 (67604)	4.19 (5.62)	825 (71629)	3.76 (5.04)	799 (69329)	2.9 (3.89)
820/13	894 (77625)	6.64 (8.92)	894 (77625)	5.62 (7.55)	891 (77297)	4.79 (6.43)	891 (77297)	4.05 (5.44)	897 (77872)	3.25 (4.37)
821/13	1194 (103630)	8.87 (11.9)	1194 (103630)	7.5 (10.1)	1213 (105262)	6.52 (8.76)	1213 (105262)	5.52 (7.41)	1213 (105262)	4.4 (5.91)
821/16	1194 (103630)	8.87 (11.9)			1213 (105262)	6.52 (8.76)			1213 (105262)	4.4 (5.91)
822/13	1443 (125238)	10.7 (14.4)	1443 (125238)	9.07 (12.2)	1462 (126897)	7.86 (10.6)	1462 (126897)	6.65 (8.93)	1558 (135190)	5.65 (7.58)
822/17	1443 (125238)	10.7 (14.4)	1443 (125238)	9.07 (12.2)	1462 (126897)	7.86 (10.6)	1462 (126897)	6.65 (8.93)		
823/16	1849 (160515)	13.7 (18.4)	1849 (160515)	11.6 (15.6)	1849 (160515)	9.95 (13.4)	1849 (160515)	8.42 (11.3)	2003 (173822)	7.26 (9.75)
823/18										
824/16	2523 (219009)	18.7 (25.2)	2523 (219009)	15.9 (21.3)	2523 (219009)	13.6 (18.2)	2523 (219009)	11.5 (15.4)	2523 (219009)	9.15 (12.3)
824/18	2523 (219009)	18.7 (25.2)	2523 (219009)	15.9 (21.3)	2523 (219009)	13.6 (18.2)	2523 (219009)	11.5 (15.4)	2523 (219009)	9.15 (12.3)
825/17	3003 (260631)	22.3 (29.9)	3003 (260631)	18.9 (25.3)	3145 (273003)	16.9 (22.7)	3145 (273003)	14.3 (19.2)	3345 (290323)	12.1 (16.3)
825/19	3003 (260631)	22.3 (29.9)								
826/19	4439 (385329)	33 (44.3)	4439 (385329)	27.9 (37.5)	4439 (385329)	23.9 (32.1)	4439 (385329)	20.2 (27.1)	4439 (385329)	16.1 (21.6)
827/19					6644 (576681)	35.7 (48)	6644 (576681)	30.2 (40.6)	6644 (576681)	24.1 (32.4)

Note: The background color indicates that the transfer power of the model is lower than the minimum power that can be used.

Ratio	559(43×13)		649(59×11)		731(43×17)		841(29×29)		1003(59×17)	
Output Speed R.P.M.	2.7		2.3		2.1		1.8		1.5	
Frame Size	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW (HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)
807/07	2.94 (255)	<0.188 (<0.25)			2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)		
808/07	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)
809/08	19.5 (1691)	<0.188 (<0.25)	14.2 (1235)	<0.188 (<0.25)	19.5 (1691)	<0.188 (<0.25)	19.5 (1691)	<0.188 (<0.25)	14.2 (1235)	<0.188 (<0.25)
810/08	29.2 (2531)	<0.188 (<0.25)	28.8 (2498)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)	28.8 (2498)	<0.188 (<0.25)
812/08	60.8 (5278)	<0.188 (0.25)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)
812/09										
813/08	90.5 (7857)	0.28 (0.37)	101 (8776)	0.27 (0.36)	90.5 (7857)	0.21 (0.29)	90.5 (7857)	<0.188 (<0.25)	101 (8776)	<0.188 (<0.25)
813/09										
813/10										
814/08	134 (11638)	0.41 (0.55)	134 (11638)	0.35 (0.48)	134 (11638)	0.31 (0.42)	134 (11638)	0.27 (0.37)	134 (11638)	0.23 (0.31)
814/09	134 (11638)	0.41 (0.55)	134 (11638)	0.35 (0.48)			134 (11638)	0.27 (0.37)		
814/10										
816/09	205 (17826)	0.63 (0.85)	205 (17826)	0.54 (0.73)	205 (17826)	0.48 (0.65)	205 (17826)	0.42 (0.56)	205 (17826)	0.35 (0.47)
816/10										
816/12										
817/09	305 (26446)	0.94 (1.26)	305 (26446)	0.81 (1.08)	305 (26446)	0.72 (0.96)	305 (26446)	0.62 (0.83)	305 (26446)	0.52 (0.7)
817/10	305 (26446)	0.94 (1.26)	305 (26446)	0.81 (1.08)			305 (26446)	0.62 (0.83)		
817/12										
818/10	487 (42282)	1.5 (2.01)	487 (42282)	1.29 (1.73)	487 (42282)	1.14 (1.53)	487 (42282)	0.99 (1.33)	487 (42282)	0.83 (1.12)
818/13			487 (42282)	1.29 (1.73)						
819/12	765 (66400)	2.35 (3.15)	765 (66400)	2.02 (2.71)	765 (66400)	1.8 (2.41)	765 (66400)	1.56 (2.1)	765 (66400)	1.31 (1.76)
819/13	765 (66400)	2.35 (3.15)	765 (66400)	2.02 (2.71)	765 (66400)	1.8 (2.41)	765 (66400)	1.56 (2.1)	765 (66400)	1.31 (1.76)
820/12	845 (73354)	2.59 (3.48)	801 (69493)	2.12 (2.84)	897 (77872)	2.11 (2.83)	891 (77297)	1.82 (2.44)	897 (77872)	1.53 (2.06)
820/13	897 (77872)	2.75 (3.7)	897 (77872)	2.37 (3.18)	897 (77872)	2.11 (2.83)			897 (77872)	1.53 (2.06)
821/13	1213 (105262)	3.72 (5)	1213 (105262)	3.21 (4.3)	1213 (105262)	2.85 (3.82)	1213 (105262)	2.47 (3.32)	1213 (105262)	2.07 (2.78)
821/16										
822/13	1558 (135190)	4.78 (6.42)	1548 (134361)	4.09 (5.49)	1558 (135190)	3.66 (4.91)	1462 (126897)	2.98 (4)	1548 (134361)	2.65 (3.55)
822/17										
823/16	2003 (173822)	6.15 (8.25)	2003 (173822)	5.29 (7.11)	2003 (173822)	4.7 (6.31)	1849 (160515)	3.77 (5.06)	2003 (173822)	3.43 (4.6)
823/18										
824/16	2523 (219009)	7.75 (10.4)	2523 (219009)	6.67 (8.95)	2523 (219009)	5.92 (7.95)	2523 (219009)	5.15 (6.91)	2523 (219009)	4.32 (5.79)
824/18			2523 (219009)	6.67 (8.95)						
825/17	3345 (290323)	10.3 (13.8)	3345 (290323)	8.84 (11.9)	3345 (290323)	7.85 (10.5)	3145 (273003)	6.42 (8.61)	3345 (290323)	5.72 (7.68)
825/19										
826/19	4439 (385329)	13.6 (18.3)	4439 (385329)	11.7 (15.8)	4439 (385329)	10.4 (14)	4439 (385329)	9.06 (12.2)	4439 (385329)	7.59 (10.2)
827/19	6644 (576681)	20.4 (27.4)	6644 (576681)	17.6 (23.6)	6644 (576681)	15.6 (20.9)	6644 (576681)	13.6 (18.2)	6644 (576681)	11.4 (15.3)

Note: The background color indicates that the transfer power of the model is lower than the minimum power that can be used.

Ratio	1247(43×29)		1479(87×17)		1849(43×43)		2065(59×35)		2537(59×35)	
Output Speed R.P.M.	1.2		1.0		0.81		0.73		0.59	
Frame Size	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)
807/07	2.94 (255)	<0.188 (<0.25)			2.94 (255)	<0.188 (<0.25)				
808/07	5.84 (507)	<0.188 (<0.25)			5.84 (507)	<0.188 (<0.25)	5.58 (485)	<0.188 (<0.25)	5.58 (485)	<0.188 (<0.25)
809/08	19.5 (1691)	<0.188 (<0.25)	18.7 (1624)	<0.188 (<0.25)	19.5 (1691)	<0.188 (<0.25)	14.2 (1235)	<0.188 (<0.25)	14.2 (1235)	<0.188 (<0.25)
810/08	29.2 (2531)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)	28.8 (2498)	<0.188 (<0.25)	28.8 (2498)	<0.188 (<0.25)
812/08	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)
812/09										
813/08	90.5 (7857)	<0.188 (<0.25)	94.3 (8185)	<0.188 (<0.25)	90.5 (7857)	<0.188 (<0.25)	101 (8776)	<0.188 (<0.25)	101 (8776)	<0.188 (<0.25)
813/09										
813/10										
814/08	134 (11638)	<0.188 (<0.25)	122 (10558)	<0.188 (<0.25)	134 (11638)	<0.188 (<0.25)	134 (11638)	<0.188 (<0.25)	134 (11638)	<0.188 (<0.25)
814/09										
814/10										
816/09	205 (17826)	0.28 (0.38)	201 (17410)	0.23 (0.31)	205 (17826)	0.19 (0.26)	205 (17826)	<0.188 (<0.25)	205 (17826)	<0.188 (<0.25)
816/10										
816/12										
817/09	305 (26446)	0.42 (0.56)	305 (26446)	0.35 (0.47)	305 (26446)	0.28 (0.38)	305 (26446)	0.25 (0.34)	305 (26446)	0.21 (0.28)
817/10										
817/12										
818/10	487 (42282)	0.67 (0.9)	487 (42282)	0.57 (0.76)	487 (42282)	0.45 (0.61)	487 (42282)	0.4 (0.54)	487 (42282)	0.33 (0.44)
818/13										
819/12	765 (66400)	1.05 (1.41)	765 (66400)	0.89 (1.19)	765 (66400)	0.71 (0.95)	765 (66400)	0.64 (0.85)	765 (66400)	0.52 (0.69)
819/13			765 (66400)	0.89 (1.19)						
820/12	897 (77872)	1.23 (1.66)	845 (73354)	0.98 (1.32)	897 (77872)	0.83 (1.12)	897 (77872)	0.75 (1)	897 (77872)	0.61 (0.81)
820/13	897 (77872)	1.23 (1.66)	845 (73354)	0.98 (1.32)	897 (77872)	0.83 (1.12)	897 (77872)	<0.75 (1)	897 (77872)	<0.75 (<1)
821/13	1213 (105262)	1.67 (2.24)	1081 (93838)	1.25 (1.68)	1213 (105262)	1.13 (1.51)	1213 (105262)	1.01 (1.35)	1213 (105262)	0.82 (1.1)
821/16										
822/13	1558 (135190)	2.14 (2.88)	1472 (127726)	1.71 (2.29)	1558 (135190)	1.45 (1.94)	1548 (134361)	1.29 (1.73)	1548 (134361)	1.05 (1.41)
822/17										
823/16	2003 (173822)	2.76 (3.7)	1677 (145544)	1.95 (2.61)	2003 (173822)	1.86 (2.49)	2003 (173822)	1.66 (2.23)	2003 (173822)	1.35 (1.82)
823/18										
824/16	2523 (219009)	3.47 (4.66)	2216 (192362)	2.57 (3.45)	2523 (219009)	2.34 (3.14)	2523 (219009)	2.1 (2.81)	2523 (219009)	1.71 (2.29)
824/18										
825/17	3345 (290323)	4.6 (6.18)	3003 (260631)	<3.75 (<5)	3345 (290323)	<3.75 (<5)	3345 (290323)	<3.75 (<5)	3345 (290323)	<3.75 (<5)
825/19										
826/19	4439 (385329)	6.11 (8.2)	4250 (368897)	<5.625 (<7.5)	4439 (385329)	<5.625 (<7.5)	4439 (385329)	<5.625 (<7.5)	4439 (385329)	<5.625 (<7.5)
827/19	6644 (576681)	9.14 (12.3)	6644 (576681)	7.71 (10.3)	6644 (576681)	<7.5 (<10)	6644 (576681)	<7.5 (<10)	6644 (576681)	<7.5 (<10)

Note: The background color indicates that the transfer power of the model is lower than the minimum power that can be used.

Ratio	3045(87×35)		3481(59×59)		4437(87×51)		5133(87×59)		6177(87×71)		7569(87×87)	
Output Speed R.P.M.	0.59		0.52		0.41		0.35		0.29		0.24	
Frame Size	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)
807/07												
808/07												
809/08	18.7 (1624)	<0.188 (<0.25)	14.2 (1235)	<0.188 (<0.25)	18.7 (1624)	<0.188 (<0.25)	18.7 (1624)	<0.188 (<0.25)				
810/08	29.2 (2531)	<0.188 (<0.25)	28.8 (2498)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)				
812/08	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)				
812/09									60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)
813/08	94.3 (8185)	<0.188 (<0.25)	101 (8776)	<0.188 (<0.25)	94.3 (8185)	<0.188 (<0.25)	94.3 (8185)	<0.188 (<0.25)				
813/09									94.3 (8185)	<0.188 (<0.25)	94.3 (8185)	<0.188 (<0.25)
813/10												
814/08	122 (10558)	<0.188 (<0.25)	134 (11638)	<0.188 (<0.25)	122 (10558)	<0.188 (<0.25)	122 (10558)	<0.188 (<0.25)				
814/09									122 (10558)	<0.188 (<0.25)	122 (10558)	<0.188 (<0.25)
814/10												
816/09	201 (17410)	<0.188 (<0.25)	205 (17826)	<0.188 (<0.25)	201 (17410)	<0.188 (<0.25)	201 (17410)	<0.188 (<0.25)	201 (17410)	<0.188 (<0.25)	201 (17410)	<0.188 (<0.25)
816/10												
816/12												
817/09	305 (26446)	<0.188 (<0.25)	305 (26446)	<0.188 (<0.25)	305 (26446)	<0.188 (<0.25)	305 (26446)	<0.188 (<0.25)	305 (26446)	<0.188 (<0.25)	305 (26446)	<0.188 (<0.25)
817/10												
817/12												
818/10	487 (42282)	0.27 (0.37)	487 (42282)	0.24 (0.32)	487 (42282)	0.19 (0.25)	487 (42282)	<0.188 (<0.25)	487 (42282)	<0.188 (<0.25)	487 (42282)	<0.188 (<0.25)
818/13												
819/12	765 (66400)	0.43 (0.58)	765 (66400)	0.38 (0.51)	765 (66400)	<0.375 (<0.5)	765 (66400)	<0.375 (<0.5)	765 (66400)	<0.375 (<0.5)	765 (66400)	<0.375 (<0.5)
819/13												
820/12	845 (73354)	0.48 (0.64)	897 (77872)	0.44 (0.59)	845 (73354)	<0.375 (<0.5)	897 (77872)	<0.375 (<0.5)	845 (73354)	<0.375 (<0.5)	845 (73354)	<0.375 (<0.5)
820/13												
821/13	1081 (93838)	<0.75 (<1)	1213 (105262)	<0.75 (<1)	1081 (93838)	<0.75 (<1)	1213 (105262)	<0.75 (<1)	1081 (93838)	<0.75 (<1)	1081 (93838)	<0.75 (<1)
821/16												
822/13	1472 (127726)	0.83 (1.11)	1548 (134361)	0.76 (1.02)	1472 (127726)	<0.75 (<1)	1548 (134361)	<0.75 (<1)	1472 (127726)	<0.75 (<1)	1472 (127726)	<0.75 (<1)
822/17												
823/16	1677 (145544)	0.94 (1.27)	2003 (173822)	0.99 (1.33)	1677 (145544)	<0.75 (<1)	2003 (173822)	<0.75 (<1)	1677 (145544)	<0.75 (<1)	1677 (145544)	<0.75 (<1)
823/18												
824/16	2216 (192362)	1.25 (1.68)	2523 (219009)	1.24 (1.67)	2216 (192362)	0.86 (1.15)	2523 (219009)	0.84 (1.13)	2216 (192362)	<0.75 (<1)	2216 (192362)	<0.75 (<1)
824/18												
825/17	3003 (260631)	<3.75 (<5)	3345 (290323)	<3.75 (<5)	3003 (260631)	<3.75 (<5)	3345 (290323)	<3.75 (<5)	3003 (260631)	<3.75 (<5)	3003 (260631)	<3.75 (<5)
825/19												
826/19	4250 (368897)	<5.625 (<7.5)	4439 (385329)	<5.625 (<7.5)	4250 (368897)	<5.625 (<7.5)	4439 (385329)	<5.625 (<7.5)	4250 (368897)	<5.625 (<7.5)	4250 (368897)	<5.625 (<7.5)
827/19	6644 (576681)	<7.5 (<10)	6644 (576681)	<7.5 (<10)	6644 (576681)	<7.5 (<10)	6644 (576681)	<7.5 (<10)	6644 (576681)	<7.5 (<10)	6644 (576681)	<7.5 (<10)

Note: The background color indicates that the transfer power of the model is lower than the minimum power that can be used.

SELECTION TABLE FOR DOUBLE STAGE REDUCERS

Input Power 1800

Ratio	104(13 × 8)		121(11 × 11)		143(13 × 11)		165(15 × 11)		195(15 × 13)	
Output Speed R.P.M.	17		15		13		11		9.2	
Frame Size	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)
807/07	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)
808/07	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)
809/08	17.6 (1525)	0.35 (0.47)	15.7 (1359)	0.27 (0.36)	17.9 (1550)	0.26 (0.35)	19.5 (1691)	0.24 (0.33)	19.5 (1691)	0.21 (0.28)
810/08	21.3 (1853)	0.42 (0.57)	24.8 (2151)	0.42 (0.57)	29.2 (2531)	0.42 (0.56)	29.2 (2531)	0.36 (0.49)	29.2 (2531)	0.31 (0.41)
812/08	21.2 (1838)	0.42 (0.56)	24.6 (2134)	0.42 (0.56)	29.1 (2522)	0.42 (0.56)	33.5 (2910)	0.42 (0.56)	39.6 (3441)	0.42 (0.56)
812/09	60.8 (5278)	1.2 (1.62)	60.1 (5212)	1.02 (1.37)	60.8 (5278)	0.88 (1.18)	60.8 (5278)	0.76 (1.02)	60.8 (5278)	0.64 (0.86)
813/08										
813/09	78.7 (6832)	1.56 (2.09)	90.5 (7857)	1.54 (2.07)	90.5 (7857)	1.3 (1.75)	90.5 (7857)	1.13 (1.52)	90.5 (7857)	0.96 (1.28)
813/10	90.5 (7857)	1.79 (2.41)	90.5 (7857)	1.54 (2.07)	90.5 (7857)	1.3 (1.75)	90.5 (7857)	1.13 (1.52)		
814/08										
814/09					109 (9477)	1.57 (2.11)	126 (10973)	1.58 (2.12)	132 (11472)	1.4 (1.87)
814/10	134 (11638)	2.65 (3.56)	126 (10973)	2.15 (2.89)	134 (11638)	1.93 (2.59)	132 (11472)	1.65 (2.21)	132 (11472)	1.4 (1.87)
816/09									150 (12995)	1.58 (2.12)
816/10	168 (14577)	3.33 (4.46)	195 (16910)	3.32 (4.45)	205 (17826)	2.96 (3.97)	205 (17826)	2.56 (3.44)	205 (17826)	2.17 (2.91)
816/12	205 (17826)	4.07 (5.46)	205 (17826)	3.49 (4.69)	205 (17826)	2.96 (3.97)	205 (17826)	2.56 (3.44)		
817/09										
817/10					228 (19773)	3.28 (4.4)	263 (22821)	3.28 (4.4)	305 (26446)	3.22 (4.32)
817/12	305 (26446)	6.03 (8.1)	305 (26446)	5.18 (6.96)	305 (26446)	4.39 (5.89)	305 (26446)	3.8 (5.1)	305 (26446)	3.22 (4.32)
818/10										
818/13	478 (41453)	9.46 (12.7)	468 (40624)	7.96 (10.7)	478 (41453)	6.88 (9.23)	480 (41619)	5.98 (8.03)	480 (41619)	5.06 (6.8)
819/12									575 (49943)	6.08 (8.16)
819/13	586 (50844)	11.6 (15.6)	682 (59195)	11.6 (15.6)	734 (63698)	10.6 (14.2)	760 (65991)	9.49 (12.7)	760 (65991)	8.03 (10.8)
820/12										
820/13			684 (59390)	11.6 (15.6)			894 (77625)	11.2 (15)	894 (77625)	9.44 (12.7)
821/13			679 (58971)	11.6 (15.5)			926 (80375)	11.6 (15.5)	1091 (94654)	11.5 (15.5)
821/16			1091 (94654)	18.6 (24.9)			1166 (101182)	14.5 (19.5)	1166 (101182)	12.3 (16.5)
822/13									1108 (96209)	11.7 (15.7)
822/17			1309 (113626)	22.3 (29.9)			1414 (122750)	17.6 (23.7)	1414 (122750)	14.9 (20)
823/16			1476 (128079)	25.1 (33.7)			1916 (166336)	23.9 (32.1)	1916 (166336)	20.2 (27.2)
823/18			1830 (158851)	31.1 (41.8)			1916 (166336)	23.9 (32.1)	1916 (166336)	20.2 (27.2)
824/16							2015 (174874)	25.1 (33.7)	2235 (194027)	23.6 (31.7)
824/18			2005 (174042)	34.1 (45.8)			2571 (223173)	32.1 (43.1)	2571 (223173)	27.2 (36.4)
825/17			1834 (159183)	31.2 (41.9)			2499 (216918)	31.2 (41.9)	2955 (256507)	31.2 (41.9)
825/19			2661 (230939)	45.3 (60.8)			3022 (262281)	37.7 (50.6)	3022 (262281)	31.9 (42.8)
826/19			2915 (253052)	49.6 (66.6)			3966 (344249)	49.5 (66.4)	4222 (366432)	44.6 (59.8)

Note: The background color indicates that the transfer power of the model is lower than the minimum power that can be used.

Ratio	231(21×11)		273(21×13)		319(29×11)		377(29×13)		473(43×11)	
Output Speed R.P.M.	6.5		5.5		4.7		4.0		3.2	
Frame Size	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)
807/07	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)
808/07	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)
809/08	19.5 (1691)	<0.188 (<0.25)	19.5 (1691)	<0.188 (<0.25)	19.5 (1691)	<0.188 (<0.25)	19.5 (1691)	<0.188 (<0.25)	19.5 (1691)	<0.188 (<0.25)
810/08	29.2 (2531)	0.26 (0.35)	29.2 (2531)	0.22 (0.3)	29.2 (2531)	0.19 (0.25)	29.2 (2531)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)
812/08	47.1 (4086)	0.42 (0.56)	55.6 (4826)	0.42 (0.56)	60.8 (5278)	0.39 (0.53)	60.8 (5278)	0.33 (0.45)	60.8 (5278)	0.26 (0.36)
812/09	60.8 (5278)	0.54 (0.73)	60.8 (5278)	0.46 (0.62)	60.8 (5278)	0.39 (0.53)				
813/08					64.8 (5626)	0.42 (0.56)	76.6 (6651)	0.42 (0.56)	90.5 (7857)	0.39 (0.53)
813/09	90.5 (7857)	0.81 (1.08)	90.5 (7857)	0.68 (0.92)	90.5 (7857)	0.58 (0.78)	90.5 (7857)	0.49 (0.66)	90.5 (7857)	0.39 (0.53)
813/10										
814/08									97.2 (8436)	0.42 (0.57)
814/09	130 (11306)	1.16 (1.56)	130 (11306)	0.98 (1.32)	134 (11638)	0.87 (1.16)	134 (11638)	0.73 (0.98)	134 (11638)	0.58 (0.78)
814/10	134 (11638)	1.2 (1.6)	134 (11638)	1.01 (1.36)						
816/09	178 (15410)	1.58 (2.12)	205 (17826)	1.55 (2.08)	205 (17826)	1.33 (1.78)	205 (17826)	1.12 (1.51)	205 (17826)	0.89 (1.2)
816/10	205 (17826)	1.83 (2.46)	205 (17826)	1.55 (2.08)	205 (17826)	1.33 (1.78)	205 (17826)	1.12 (1.51)		
816/12										
817/09			208 (18043)	1.57 (2.1)	242 (21009)	1.56 (2.1)	287 (24881)	1.57 (2.1)	305 (26446)	1.33 (1.78)
817/10	305 (26446)	2.72 (3.65)	305 (26446)	2.3 (3.08)	305 (26446)	1.97 (2.64)	305 (26446)	1.66 (2.23)	305 (26446)	1.33 (1.78)
817/12	305 (26446)	2.72 (3.65)	305 (26446)	2.3 (3.08)	305 (26446)	1.97 (2.64)				
818/10	372 (32251)	3.31 (4.45)	438 (38054)	3.31 (4.44)	487 (42282)	3.14 (4.22)	487 (42282)	2.66 (3.57)	487 (42282)	2.12 (2.85)
818/13	487 (42282)	4.34 (5.83)	487 (42282)	3.67 (4.93)	487 (42282)	3.14 (4.22)	487 (42282)	2.66 (3.57)		
819/12	682 (59195)	6.08 (8.16)	765 (66400)	5.77 (7.74)	765 (66400)	4.94 (6.63)	765 (66400)	4.18 (5.61)	765 (66400)	3.33 (4.47)
819/13	765 (66400)	6.82 (9.15)	765 (66400)	5.77 (7.74)	765 (66400)	4.94 (6.63)	765 (66400)	4.18 (5.61)	765 (66400)	3.33 (4.47)
820/12			758 (65797)	5.72 (7.67)	732 (63497)	4.72 (6.34)	775 (67275)	4.23 (5.68)	750 (65140)	3.27 (4.39)
820/13	894 (77625)	7.97 (10.7)	894 (77625)	6.75 (9.05)	891 (77297)	5.75 (7.72)	891 (77297)	4.86 (6.53)	897 (77872)	3.91 (5.24)
821/13	1194 (103630)	10.6 (14.3)	1194 (103630)	9.01 (12.1)	1213 (105262)	7.83 (10.5)	1213 (105262)	6.62 (8.89)	1213 (105262)	5.28 (7.09)
821/16	1194 (103630)	10.6 (14.3)			1213 (105262)	7.83 (10.5)			1213 (105262)	5.28 (7.09)
822/13	1319 (114456)	11.8 (15.8)	1443 (125238)	10.9 (14.6)	1462 (126897)	9.44 (12.7)	1462 (126897)	7.98 (10.7)	1558 (135190)	6.78 (9.1)
822/17	1443 (125238)	12.9 (17.3)	1443 (125238)	10.9 (14.6)	1462 (126897)	9.44 (12.7)	1462 (126897)	7.98 (10.7)		
823/16	1849 (160515)	16.5 (22.1)	1849 (160515)	13.9 (18.7)	1849 (160515)	11.9 (16)	1849 (160515)	10.1 (13.6)	2003 (173822)	8.72 (11.7)
823/18										
824/16	2523 (219009)	22.5 (30.2)	2523 (219009)	19 (25.5)	2523 (219009)	16.3 (21.9)	2523 (219009)	13.8 (18.5)	2523 (219009)	11 (14.7)
824/18	2523 (219009)	22.5 (30.2)	2523 (219009)	19 (25.5)	2523 (219009)	16.3 (21.9)	2523 (219009)	13.8 (18.5)	2523 (219009)	11 (14.7)
825/17	3003 (260631)	26.8 (35.9)	3003 (260631)	22.6 (30.4)	3145 (273003)	20.3 (27.3)	3145 (273003)	17.2 (23.1)	3345 (290323)	14.6 (19.5)
825/19	3022 (262281)	26.9 (36.2)								
826/19	4439 (385329)	39.6 (53.1)	4439 (385329)	33.5 (44.9)	4439 (385329)	28.7 (38.5)	4439 (385329)	24.2 (32.5)	4439 (385329)	19.3 (25.9)
827/19					6644 (576681)	42.9 (57.6)	6644 (576681)	36.3 (48.7)	6644 (576681)	28.9 (38.8)

Note: The background color indicates that the transfer power of the model is lower than the minimum power that can be used.

Ratio	559(43×13)		649(59×11)		731(43×17)		841(29×29)		1003(59×17)	
Output Speed R.P.M.	3.2		2.8		2.5		2.1		1.8	
Frame Size	Output Torque kgf.m (lbs.in)	Input kW (HP)	Output Torque kgf.m (lbs.in)	Input kW (HP)	Output Torque kgf.m (lbs.in)	Input kW (HP)	Output Torque kgf.m (lbs.in)	Input kW (HP)	Output Torque kgf.m (lbs.in)	Input kW (HP)
807/07	2.94 (255)	<0.188 (<0.25)			2.94 (255)	<0.188 (<0.25)	2.94 (255)	<0.188 (<0.25)		
808/07	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)	5.84 (507)	<0.188 (<0.25)
809/08	19.5 (1691)	<0.188 (<0.25)	14.2 (1235)	<0.188 (<0.25)	19.5 (1691)	<0.188 (<0.25)	19.5 (1691)	<0.188 (<0.25)	14.2 (1235)	<0.188 (<0.25)
810/08	29.2 (2531)	<0.188 (<0.25)	28.8 (2498)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)	28.8 (2498)	<0.188 (<0.25)
812/08	60.8 (5278)	0.22 (0.3)	60.8 (5278)	0.19 (0.26)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)
812/09										
813/08	90.5 (7857)	0.33 (0.45)	101 (8776)	0.32 (0.43)	90.5 (7857)	0.25 (0.34)	90.5 (7857)	0.22 (0.3)	101 (8776)	0.21 (0.28)
813/09										
813/10										
814/08	115 (9976)	0.42 (0.57)	134 (11638)	0.43 (0.57)	134 (11638)	0.38 (0.51)	122 (10558)	0.3 (0.4)	134 (11638)	0.28 (0.37)
814/09	134 (11638)	0.49 (0.66)	134 (11638)	0.43 (0.57)			134 (11638)	0.33 (0.44)		
814/10										
816/09	205 (17826)	0.76 (1.02)	205 (17826)	0.65 (0.87)	205 (17826)	0.58 (0.78)	205 (17826)	0.5 (0.67)	205 (17826)	0.42 (0.57)
816/10										
816/12										
817/09	305 (26446)	1.12 (1.51)	305 (26446)	0.97 (1.3)	305 (26446)	0.86 (1.15)	305 (26446)	0.75 (1)	305 (26446)	0.63 (0.84)
817/10	305 (26446)	1.12 (1.51)	305 (26446)	0.97 (1.3)			305 (26446)	0.75 (1)		
817/12										
818/10	487 (42282)	1.79 (2.41)	487 (42282)	1.55 (2.07)	487 (42282)	1.37 (1.84)	487 (42282)	1.19 (1.6)	487 (42282)	1 (1.34)
818/13			487 (42282)	1.55 (2.07)						
819/12	765 (66400)	2.82 (3.78)	765 (66400)	2.43 (3.26)	765 (66400)	2.15 (2.89)	765 (66400)	1.87 (2.51)	765 (66400)	1.57 (2.11)
819/13	765 (66400)	2.82 (3.78)	765 (66400)	2.43 (3.26)	765 (66400)	2.15 (2.89)	765 (66400)	1.87 (2.51)	765 (66400)	1.57 (2.11)
820/12	794 (68918)	2.92 (3.93)	751 (65222)	2.38 (3.2)	874 (75818)	2.46 (3.3)	891 (77297)	2.18 (2.93)	874 (75818)	1.79 (2.41)
820/13	897 (77872)	3.3 (4.44)	897 (77872)	2.85 (3.82)	897 (77872)	2.53 (3.39)			897 (77872)	1.84 (2.47)
821/13	1213 (105262)	4.47 (6)	1213 (105262)	3.85 (5.16)	1213 (105262)	3.42 (4.59)	1213 (105262)	2.97 (3.99)	1213 (105262)	2.49 (3.34)
821/16										
822/13	1558 (135190)	5.74 (7.7)	1548 (134361)	4.91 (6.59)	1558 (135190)	4.39 (5.89)	1462 (126897)	3.58 (4.8)	1548 (134361)	3.18 (4.27)
822/17										
823/16	2003 (173822)	7.38 (9.9)	2003 (173822)	6.35 (8.53)	2003 (173822)	5.64 (7.57)	1849 (160515)	4.53 (6.08)	2003 (173822)	4.11 (5.52)
823/18										
824/16	2523 (219009)	9.29 (12.5)	2523 (219009)	8.01 (10.7)	2523 (219009)	7.11 (9.54)	2523 (219009)	6.18 (8.29)	2523 (219009)	5.18 (6.95)
824/18			2523 (219009)	8.01 (10.7)						
825/17	3345 (290323)	12.3 (16.5)	3345 (290323)	10.6 (14.2)	3345 (290323)	9.42 (12.6)	3145 (273003)	7.7 (10.3)	3345 (290323)	6.87 (9.22)
825/19										
826/19	4439 (385329)	16.4 (21.9)	4439 (385329)	14.1 (18.9)	4439 (385329)	12.5 (16.8)	4439 (385329)	10.9 (14.6)	4439 (385329)	9.11 (12.2)
827/19	6644 (576681)	24.5 (32.8)	6644 (576681)	21.1 (28.3)	6644 (576681)	18.7 (25.1)	6644 (576681)	16.3 (21.8)	6644 (576681)	13.6 (18.3)

Note: The background color indicates that the transfer power of the model is lower than the minimum power that can be used.

Ratio	1247(43×29)		1479(87×17)		1849(43×43)		2065(59×35)		2537(59×35)	
Output Speed R.P.M.	1.4		1.2		0.97		0.87		0.71	
Frame Size	Output Torque kgf.m (lbs.in)	Input kW (HP)	Output Torque kgf.m (lbs.in)	Input kW (HP)	Output Torque kgf.m (lbs.in)	Input kW (HP)	Output Torque kgf.m (lbs.in)	Input kW (HP)	Output Torque kgf.m (lbs.in)	Input kW (HP)
807/07	2.94 (255)	<0.188 (<0.25)			2.94 (255)	<0.188 (<0.25)				
808/07	5.84 (507)	<0.188 (<0.25)			5.84 (507)	<0.188 (<0.25)	5.58 (485)	<0.188 (<0.25)	5.58 (485)	<0.188 (<0.25)
809/08	19.5 (1691)	<0.188 (<0.25)	18.7 (1624)	<0.188 (<0.25)	19.5 (1691)	<0.188 (<0.25)	14.2 (1235)	<0.188 (<0.25)	14.2 (1235)	<0.188 (<0.25)
810/08	29.2 (2531)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)	28.8 (2498)	<0.188 (<0.25)	28.8 (2498)	<0.188 (<0.25)
812/08	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)
812/09										
813/08	90.5 (7857)	<0.188 (<0.25)	94.3 (8185)	<0.188 (<0.25)	90.5 (7857)	<0.188 (<0.25)	101 (8776)	<0.188 (<0.25)	101 (8776)	<0.188 (<0.25)
813/09										
813/10										
814/08	134 (11638)	0.22 (0.3)	122 (10558)	<0.188 (<0.25)	134 (11638)	<0.188 (<0.25)	134 (11638)	<0.188 (<0.25)	134 (11638)	<0.188 (<0.25)
814/09										
814/10										
816/09	205 (17826)	0.34 (0.46)	201 (17410)	0.28 (0.37)	205 (17826)	0.23 (0.31)	205 (17826)	0.2 (0.27)	205 (17826)	<0.188 (<0.25)
816/10										
816/12										
817/09	305 (26446)	0.5 (0.68)	305 (26446)	0.42 (0.57)	305 (26446)	0.34 (0.46)	305 (26446)	0.3 (0.41)	305 (26446)	0.25 (0.33)
817/10										
817/12										
818/10	487 (42282)	0.8 (1.08)	487 (42282)	0.68 (0.91)	487 (42282)	0.54 (0.73)	487 (42282)	0.49 (0.65)	487 (42282)	0.4 (0.53)
818/13										
819/12	765 (66400)	1.26 (1.7)	765 (66400)	1.07 (1.43)	765 (66400)	0.85 (1.14)	765 (66400)	0.76 (1.02)	765 (66400)	0.62 (0.83)
819/13			765 (66400)	1.07 (1.43)						
820/12	897 (77872)	1.48 (1.99)	807 (70068)	1.12 (1.51)	897 (77872)	1 (1.34)	897 (77872)	0.89 (1.2)	897 (77872)	0.73 (0.98)
820/13	897 (77872)	1.48 (1.99)	845 (73354)	1.18 (1.58)	897 (77872)	1 (1.34)	897 (77872)	0.89 (1.2)	897 (77872)	<0.75 (<1)
821/13	1213 (105262)	2 (2.69)	1081 (93838)	1.51 (2.02)	1213 (105262)	1.35 (1.81)	1213 (105262)	1.21 (1.62)	1213 (105262)	0.98 (1.32)
821/16										
822/13	1558 (135190)	2.57 (3.45)	1472 (127726)	2.05 (2.75)	1558 (135190)	1.73 (2.33)	1548 (134361)	1.54 (2.07)	1548 (134361)	1.26 (1.69)
822/17										
823/16	2003 (173822)	3.31 (4.44)	1677 (145544)	2.33 (3.13)	2003 (173822)	2.23 (2.99)	2003 (173822)	2 (2.68)	2003 (173822)	1.63 (2.18)
823/18										
824/16	2523 (219009)	4.17 (5.59)	2216 (192362)	3.09 (4.14)	2523 (219009)	2.81 (3.77)	2523 (219009)	2.52 (3.38)	2523 (219009)	2.05 (2.75)
824/18										
825/17	3345 (290323)	5.52 (7.41)	3003 (260631)	4.18 (5.61)	3345 (290323)	<3.75 (<5)	3345 (290323)	<3.75 (<5)	3345 (290323)	<3.75 (<5)
825/19										
826/19	4439 (385329)	7.33 (9.84)	4250 (368897)	5.92 (7.94)	4439 (385329)	<5.625 (<7.5)	4439 (385329)	<5.625 (<7.5)	4439 (385329)	<5.625 (<7.5)
827/19	6644 (576681)	11 (14.7)	6644 (576681)	9.25 (12.4)	6644 (576681)	<7.5 (<10)	6644 (576681)	<7.5 (<10)	6644 (576681)	<7.5 (<10)

Note: The background color indicates that the transfer power of the model is lower than the minimum power that can be used.

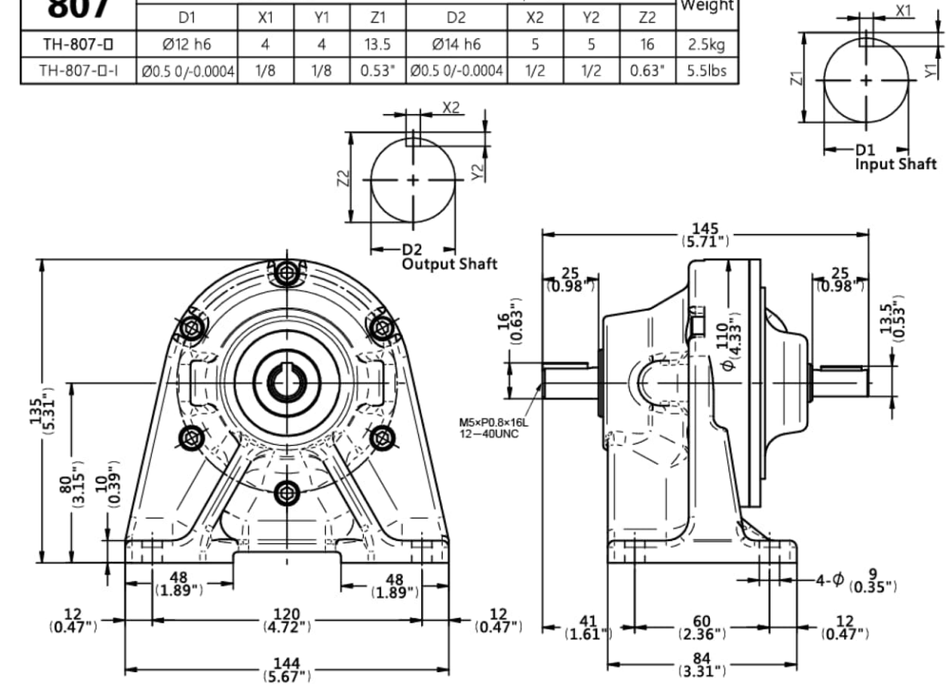
Ratio	3045(87×35)		3481(59×59)		4437(87×51)		5133(87×59)		6177(87×71)		7569(87×87)	
Output Speed R.P.M.	0.59		0.52		0.41		0.35		0.29		0.24	
Frame Size	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)	Output Torque kgf.m(lbs.in)	Input kW(HP)
807/07												
808/07												
809/08	18.7 (1624)	<0.188 (<0.25)	14.2 (1235)	<0.188 (<0.25)	18.7 (1624)	<0.188 (<0.25)	18.7 (1624)	<0.188 (<0.25)				
810/08	29.2 (2531)	<0.188 (<0.25)	28.8 (2498)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)	29.2 (2531)	<0.188 (<0.25)				
812/08	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)				
812/09									60.8 (5278)	<0.188 (<0.25)	60.8 (5278)	<0.188 (<0.25)
813/08	94.3 (8185)	<0.188 (<0.25)	101 (8776)	<0.188 (<0.25)	94.3 (8185)	<0.188 (<0.25)	94.3 (8185)	<0.188 (<0.25)				
813/09									94.3 (8185)	<0.188 (<0.25)	94.3 (8185)	<0.188 (<0.25)
813/10												
814/08	122 (10558)	<0.188 (<0.25)	134 (11638)	<0.188 (<0.25)	122 (10558)	<0.188 (<0.25)	122 (10558)	<0.188 (<0.25)				
814/09									122 (10558)	<0.188 (<0.25)	122 (10558)	<0.188 (<0.25)
814/10												
816/09	201 (17410)	<0.188 (<0.25)	205 (17826)	<0.188 (<0.25)	201 (17410)	<0.188 (<0.25)	201 (17410)	<0.188 (<0.25)	201 (17410)	<0.188 (<0.25)	201 (17410)	<0.188 (<0.25)
816/10												
816/12												
817/09	305 (26446)	0.21 (0.28)	305 (26446)	<0.188 (<0.25)	305 (26446)	<0.188 (<0.25)	305 (26446)	<0.188 (<0.25)	305 (26446)	<0.188 (<0.25)	305 (26446)	<0.188 (<0.25)
817/10												
817/12												
818/10	487 (42282)	0.33 (0.44)	487 (42282)	0.29 (0.39)	487 (42282)	0.23 (0.3)	487 (42282)	0.2 (0.26)	487 (42282)	<0.188 (<0.25)	487 (42282)	<0.188 (<0.25)
818/13												
819/12	765 (66400)	0.52 (0.69)	765 (66400)	0.45 (0.61)	765 (66400)	<0.375 (<0.5)	765 (66400)	<0.375 (<0.5)	765 (66400)	<0.375 (<0.5)	765 (66400)	<0.375 (<0.5)
819/13												
820/12	845 (73354)	0.57 (0.77)	897 (77872)	0.53 (0.71)	845 (73354)	0.39 (0.53)	897 (77872)	<0.375 (<0.5)	845 (73354)	<0.375 (<0.5)	845 (73354)	<0.375 (<0.5)
820/13												
821/13	1081 (93838)	<0.75 (<1)	1213 (105262)	<0.75 (<1)	1081 (93838)	<0.75 (<1)	1213 (105262)	<0.75 (<1)	1081 (93838)	<0.75 (<1)	1081 (93838)	<0.75 (<1)
821/16												
822/13	1472 (127726)	1 (1.34)	1548 (134361)	0.92 (1.23)	1472 (127726)	<0.75 (<1)	1548 (134361)	<0.75 (<1)	1472 (127726)	<0.75 (<1)	1472 (127726)	<0.75 (<1)
822/17												
823/16	1677 (145544)	1.13 (1.52)	2003 (173822)	1.18 (1.59)	1677 (145544)	0.78 (1.04)	2003 (173822)	0.8 (1.08)	1677 (145544)	<0.75 (<1)	1677 (145544)	<0.75 (<1)
823/18												
824/16	2216 (192362)	1.5 (2.01)	2523 (219009)	1.49 (2)	2216 (192362)	1.03 (1.38)	2523 (219009)	1.01 (1.36)	2216 (192362)	<0.75 (<1)	2216 (192362)	<0.75 (<1)
824/18												
825/17	3003 (260631)	<3.75 (<5)	3345 (290323)	<3.75 (<5)	3003 (260631)	<3.75 (<5)	3345 (290323)	<3.75 (<5)	3003 (260631)	<3.75 (<5)	3003 (260631)	<3.75 (<5)
825/19												
826/19	4250 (368897)	<5.625 (<7.5)	4439 (385329)	<5.625 (<7.5)	4250 (368897)	<5.625 (<7.5)	4439 (385329)	<5.625 (<7.5)	4250 (368897)	<5.625 (<7.5)	4250 (368897)	<5.625 (<7.5)
827/19	6644 (576681)	<7.5 (<10)	6644 (576681)	<7.5 (<10)	6644 (576681)	<7.5 (<10)	6644 (576681)	<7.5 (<10)	6644 (576681)	<7.5 (<10)	6644 (576681)	<7.5 (<10)

Note: The background color indicates that the transfer power of the model is lower than the minimum power that can be used.

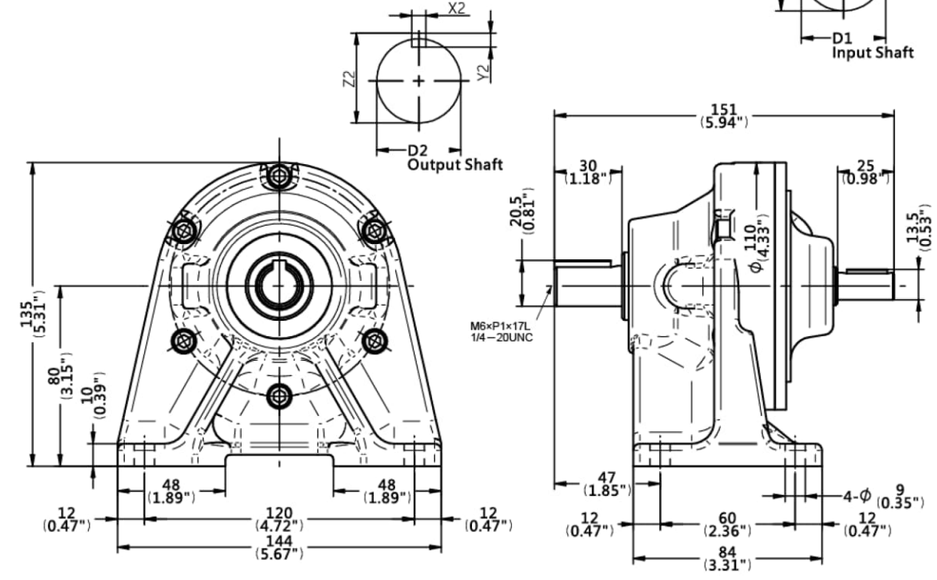
DIMENSION DRAWINGS

For Single Stage Reduction, Horizontal TRANSCYKO Speed Reducers

807	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TH-807-□	Ø12 h6	4	4	13.5	Ø14 h6	5	5	16	2.5kg
TH-807-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø0.5 0/-0.0004	1/2	1/2	0.63"	5.5lbs

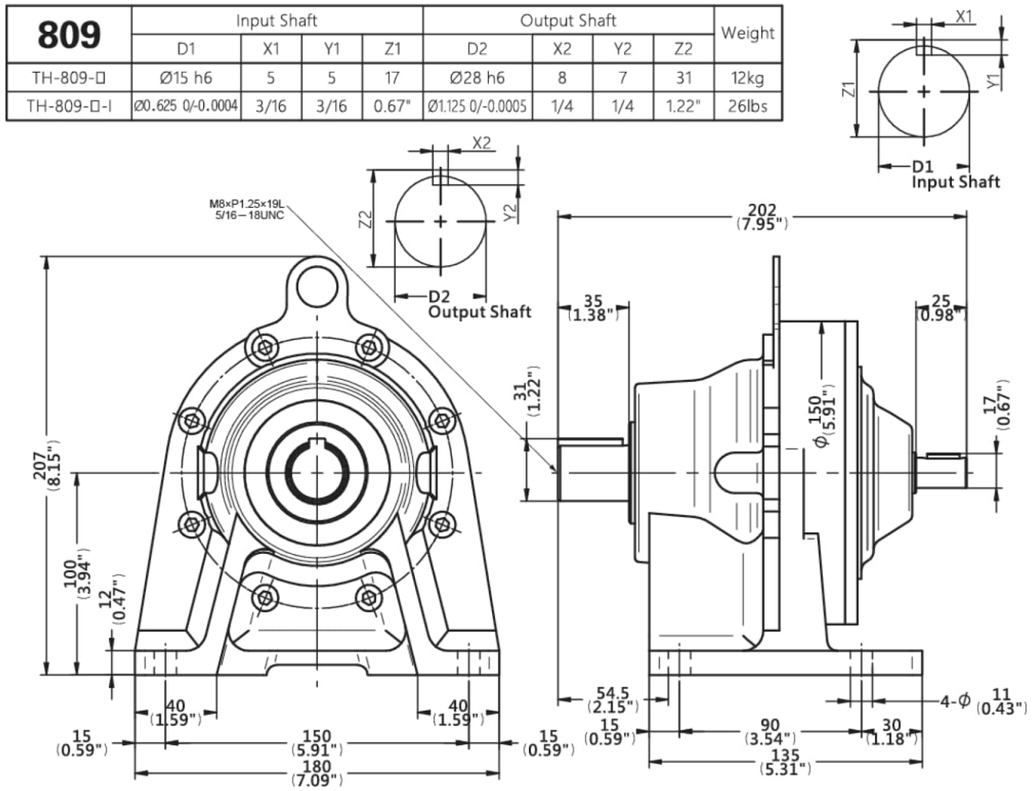


808	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TH-808-□	Ø12 h6	4	4	13.5	Ø14 h6	6	6	20.5	2.5kg
TH-808-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø0.75 0/-0.0005	1/2	1/2	0.81"	5.5lbs



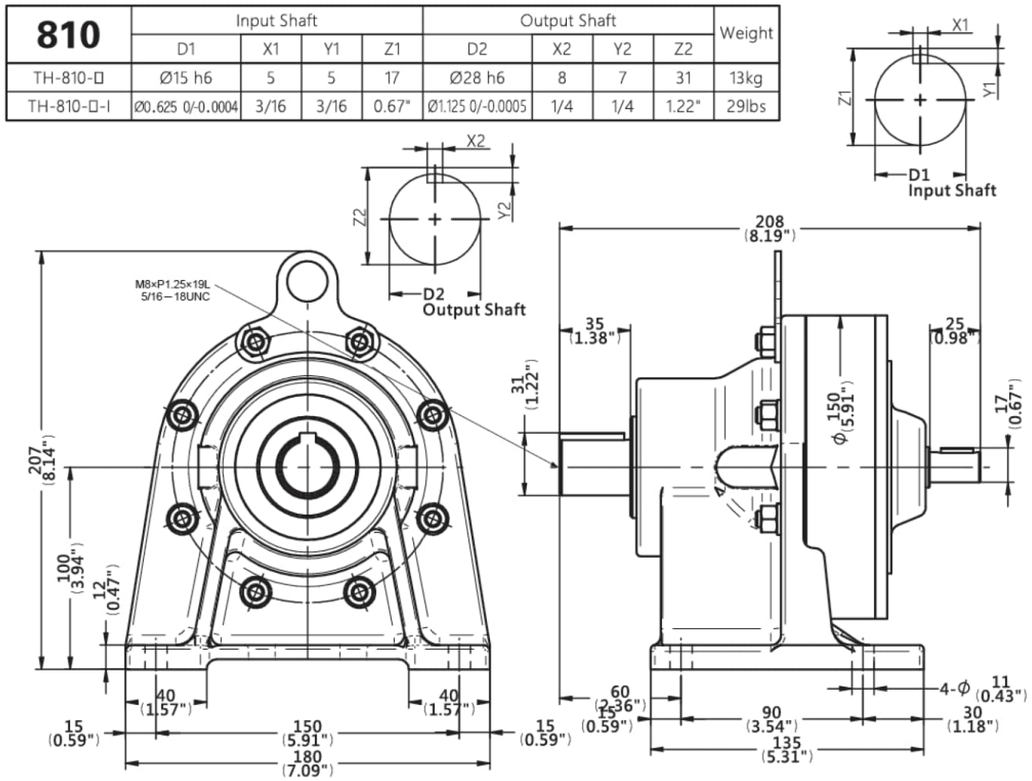
809

	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TH-809-□	Ø15 h6	5	5	17	Ø28 h6	8	7	31	12kg
TH-809-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø1.125 0/-0.0005	1/4	1/4	1.22"	26lbs



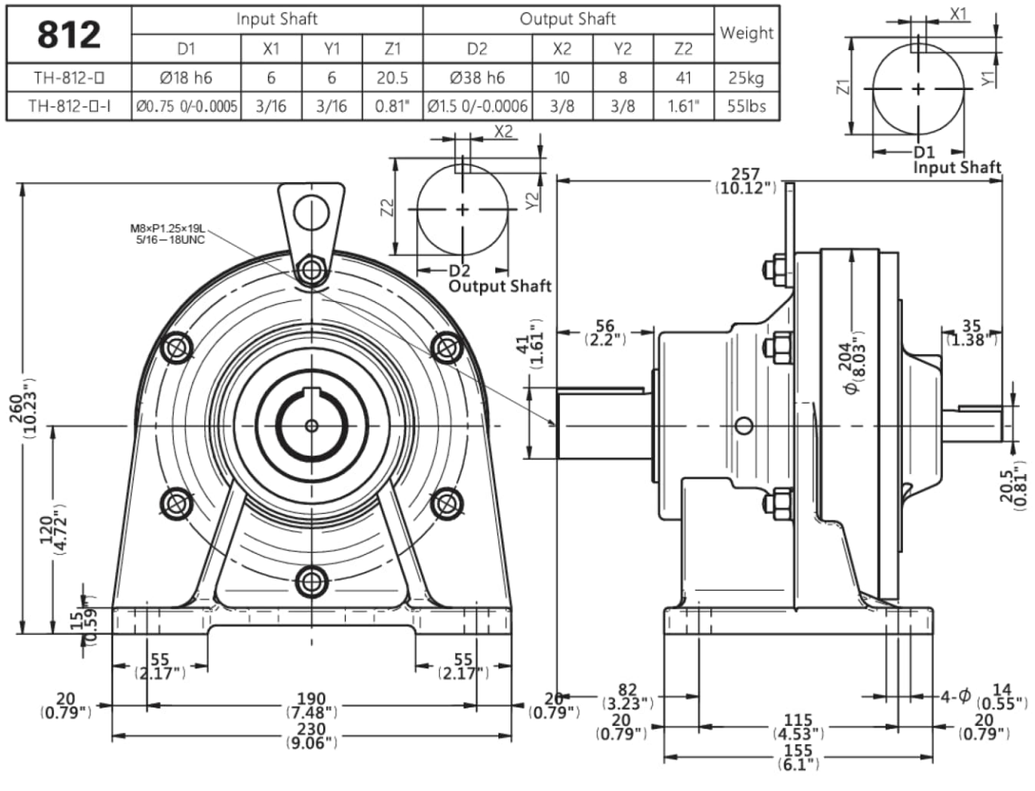
810

	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TH-810-□	Ø15 h6	5	5	17	Ø28 h6	8	7	31	13kg
TH-810-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø1.125 0/-0.0005	1/4	1/4	1.22"	29lbs



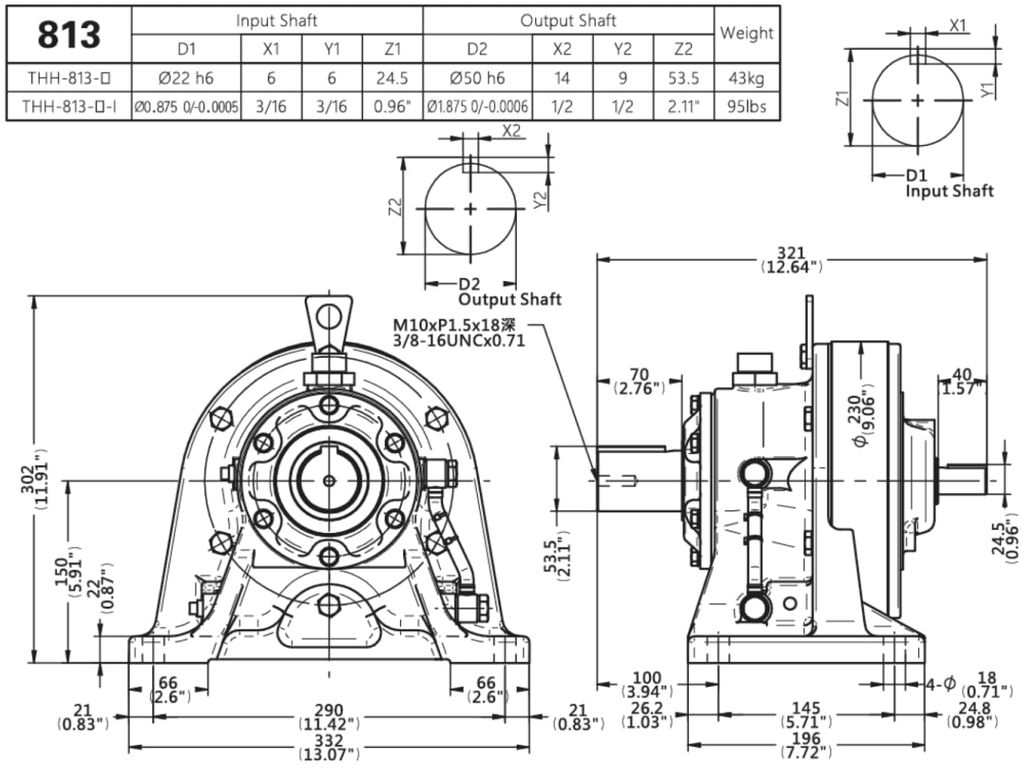
812

	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TH-812-□	Ø18 h6	6	6	20.5	Ø38 h6	10	8	41	25kg
TH-812-□-I	Ø0.75 0/-0.0005	3/16	3/16	0.81"	Ø1.5 0/-0.0006	3/8	3/8	1.61"	55lbs



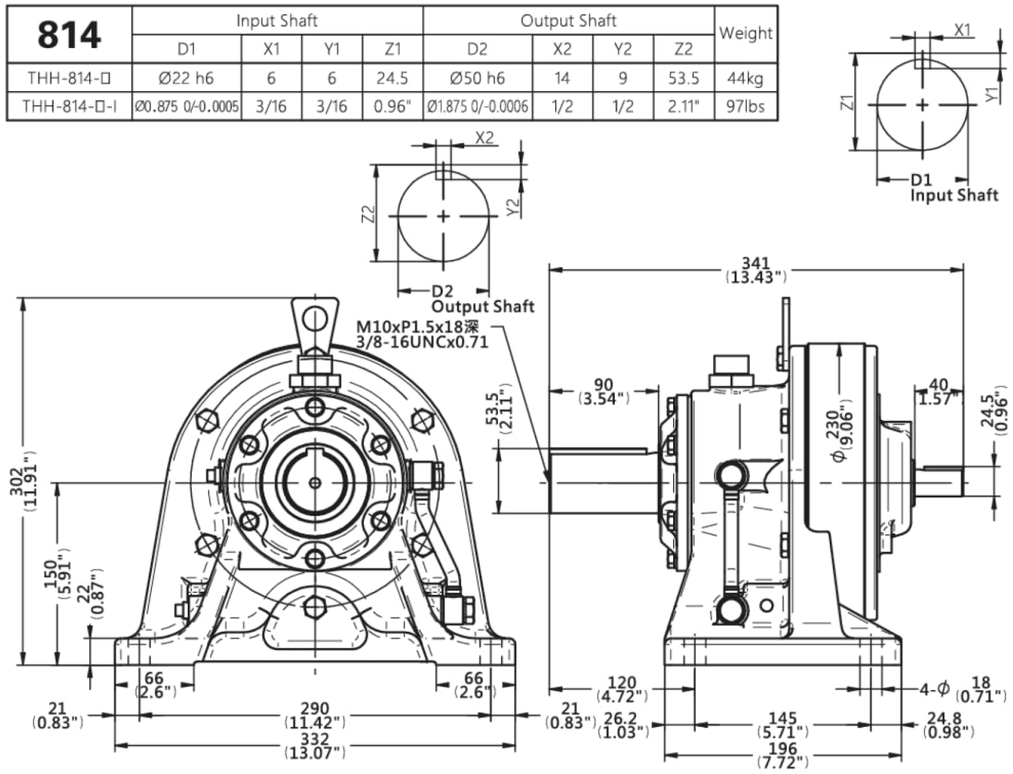
813

	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-813-□	Ø22 h6	6	6	24.5	Ø50 h6	14	9	53.5	43kg
THH-813-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.96"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	95lbs



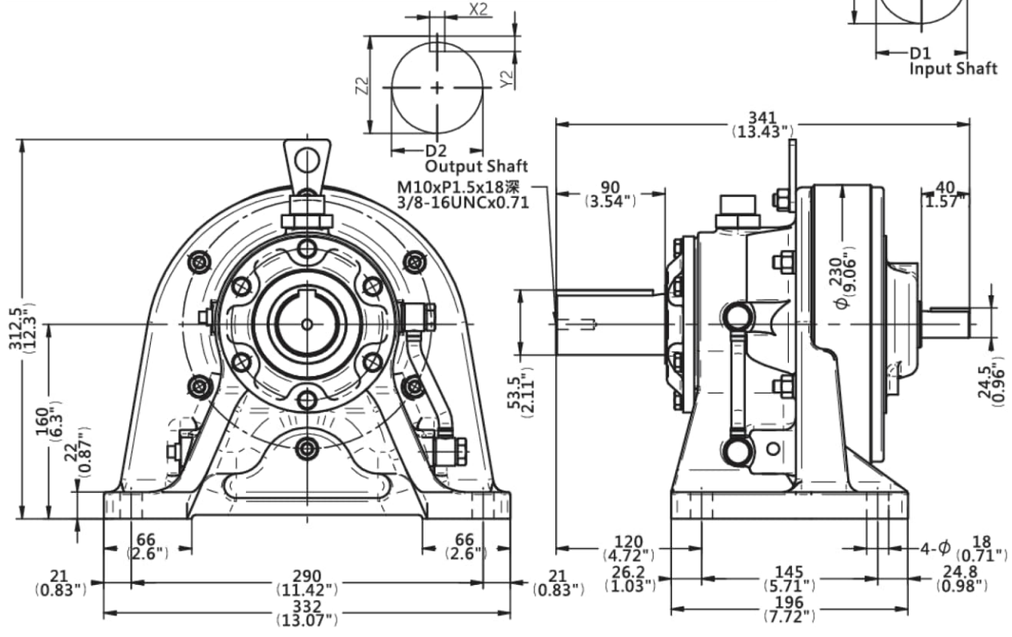
814

	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-814-□	Ø22 h6	6	6	24.5	Ø50 h6	14	9	53.5	44kg
THH-814-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.96"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	97lbs



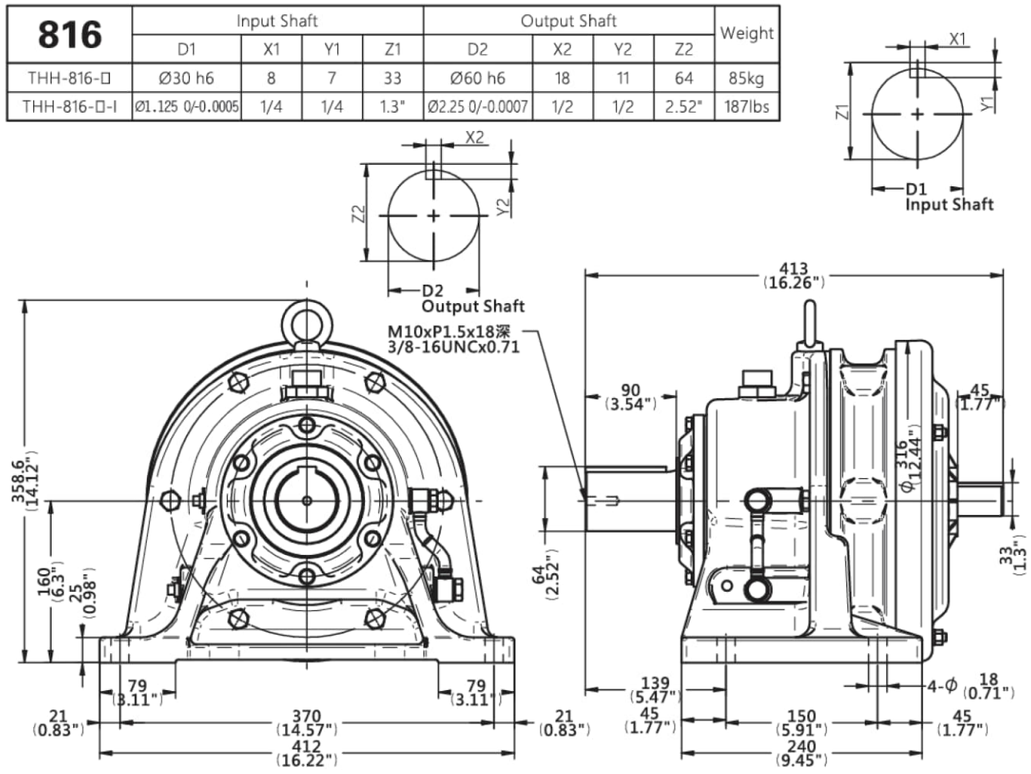
814H

	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-814H-□	Ø22 h6	6	6	24.5	Ø50 h6	14	9	53.5	46kg
THH-814H-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.81"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	101lbs



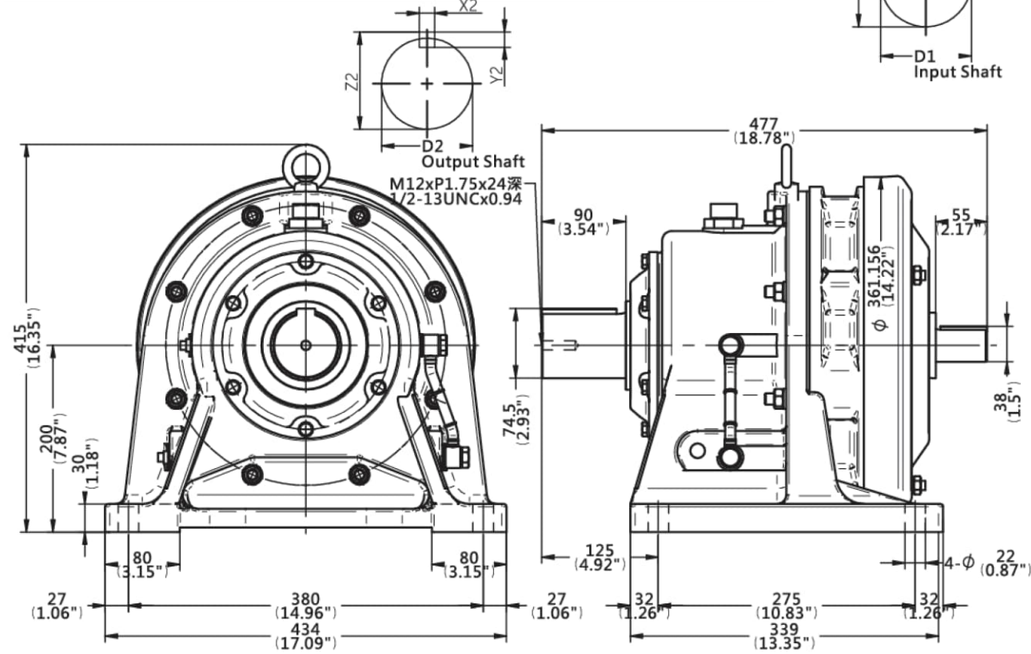
816

	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-816-□	Ø30 h6	8	7	33	Ø60 h6	18	11	64	85kg
THH-816-□-I	Ø1.125 0/-0.0005	1/4	1/4	1.3"	Ø2.25 0/-0.0007	1/2	1/2	2.52"	187lbs

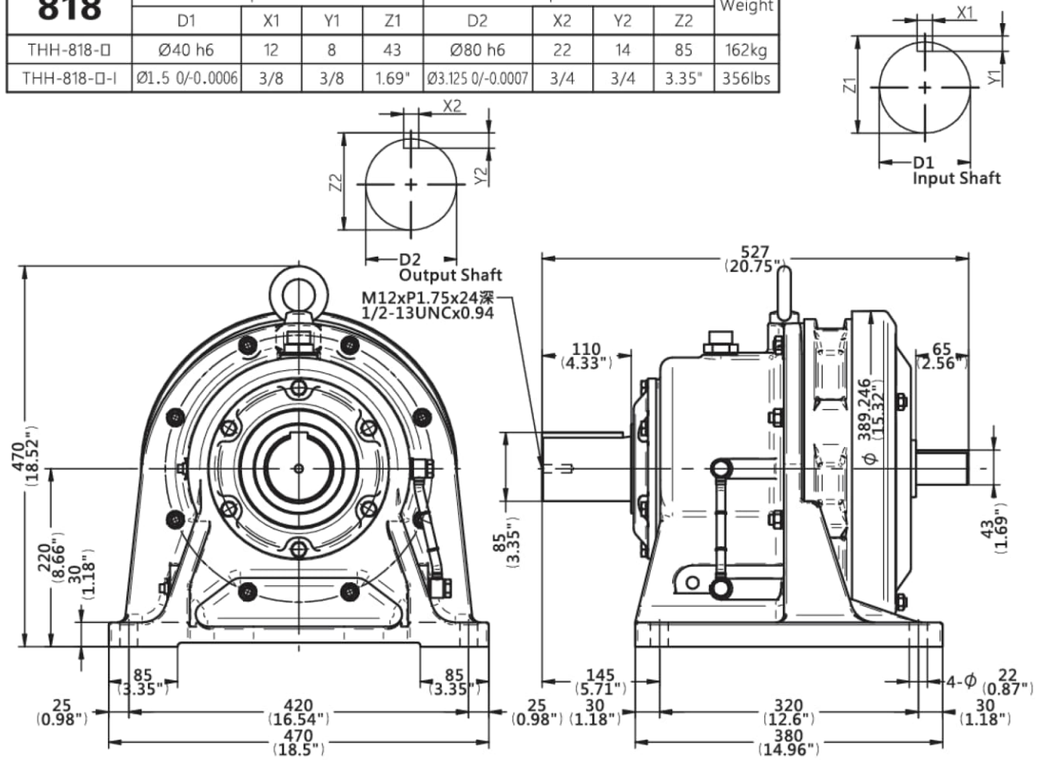


817

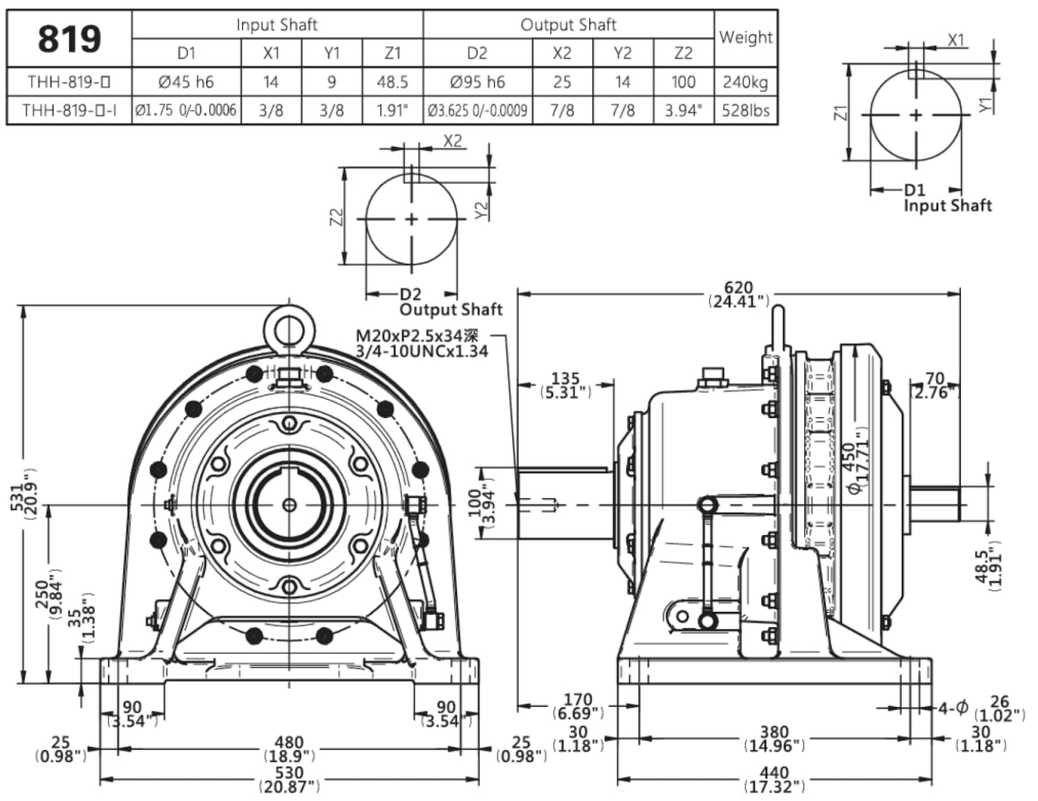
	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-817-□	Ø35 h6	10	8	38	Ø70 h6	20	12	74.5	125kg
THH-817-□-I	Ø1.375 0/-0.0006	5/16	5/16	1.5"	Ø2.75 0/-0.0007	5/8	5/8	2.93"	275lbs



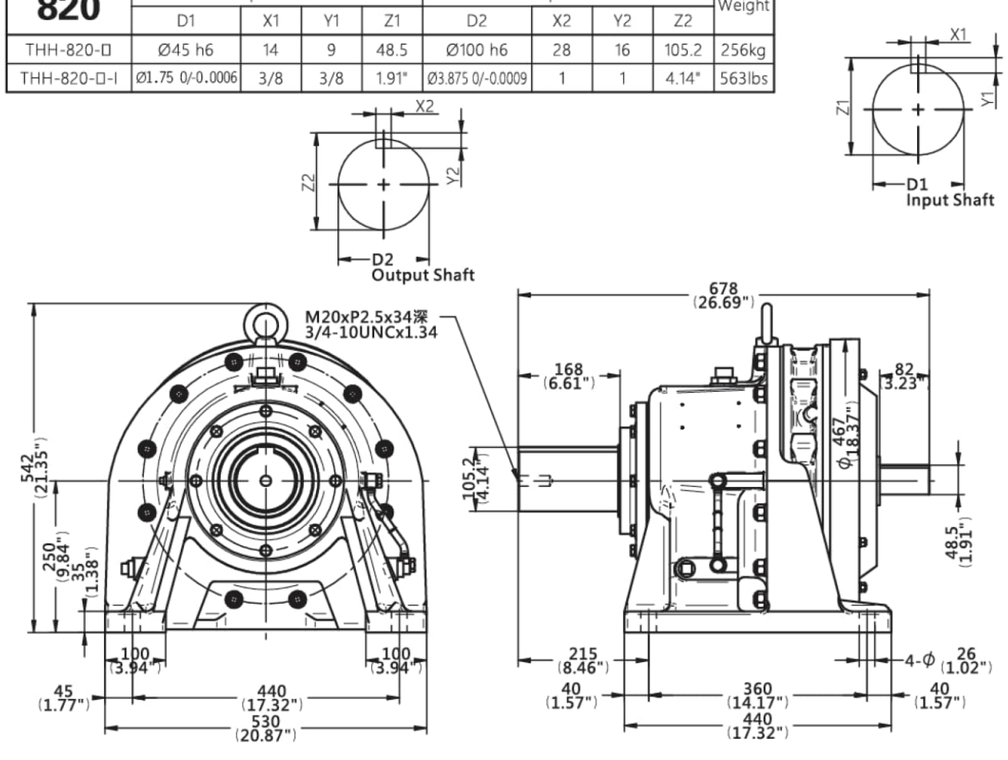
818	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-818-□	Ø40 h6	12	8	43	Ø80 h6	22	14	85	162kg
THH-818-□-I	Ø1.5 0/-0.0006	3/8	3/8	1.69"	Ø3.125 0/-0.0007	3/4	3/4	3.35"	356lbs



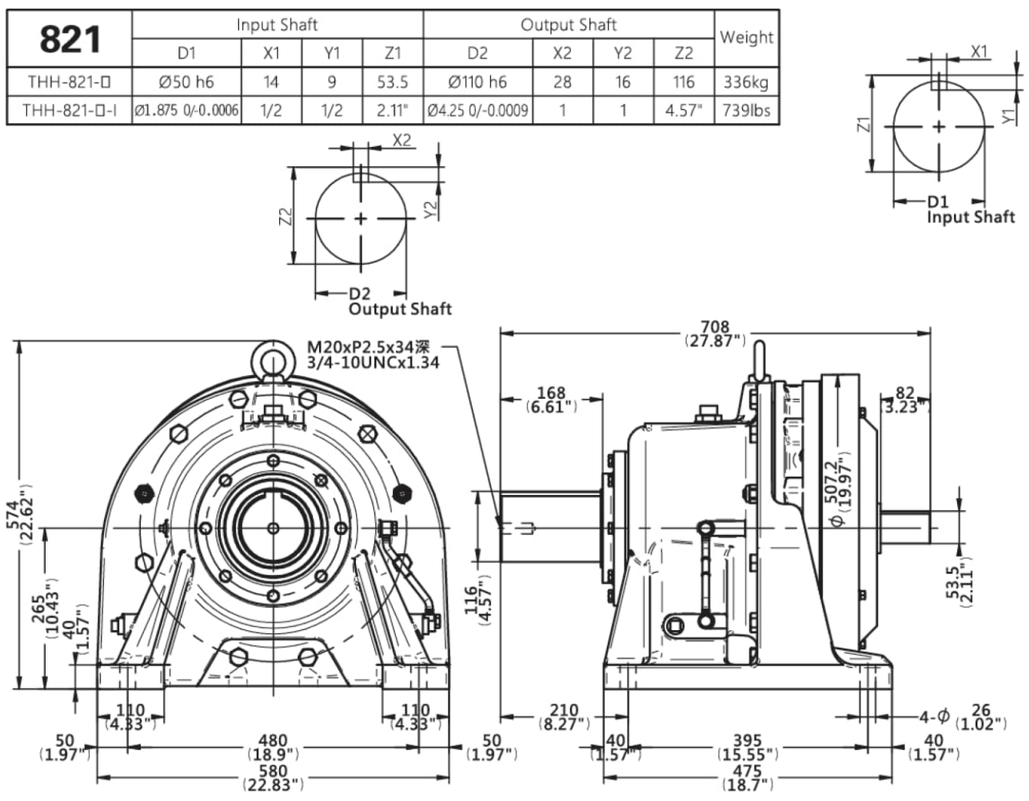
819	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-819-□	Ø45 h6	14	9	48.5	Ø95 h6	25	14	100	240kg
THH-819-□-I	Ø1.75 0/-0.0006	3/8	3/8	1.91"	Ø3.625 0/-0.0009	7/8	7/8	3.94"	528lbs



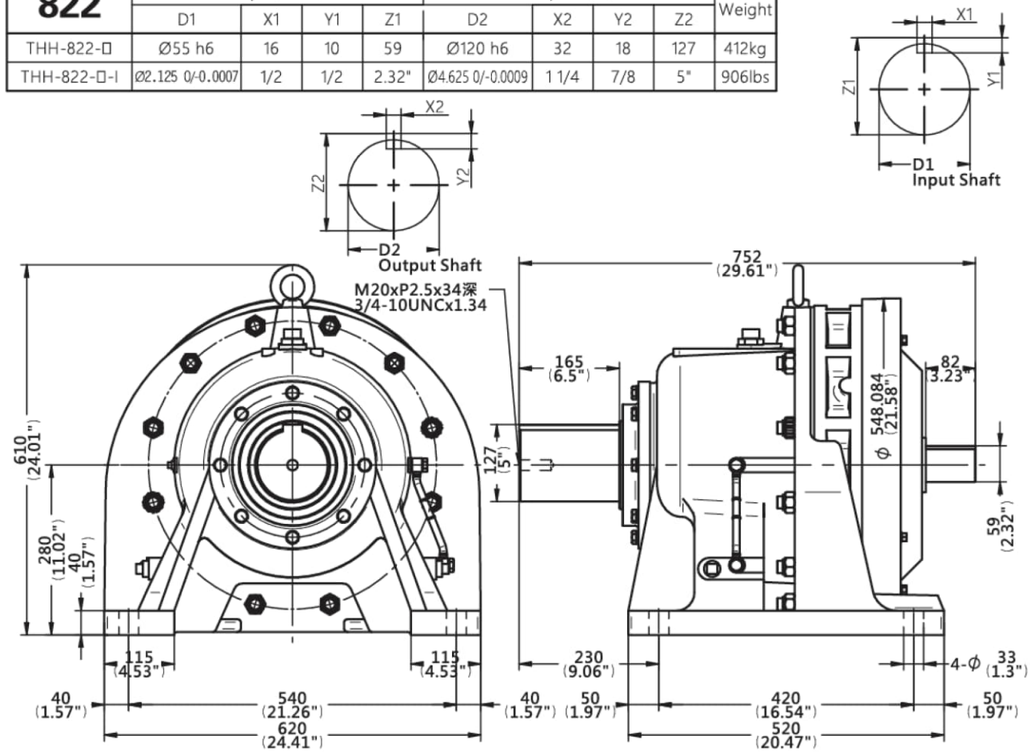
820	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-820-□	Ø45 h6	14	9	48.5	Ø100 h6	28	16	105.2	256kg
THH-820-□-I	Ø1.75 0/-0.0006	3/8	3/8	1.91"	Ø3.875 0/-0.0009	1	1	4.14"	563lbs



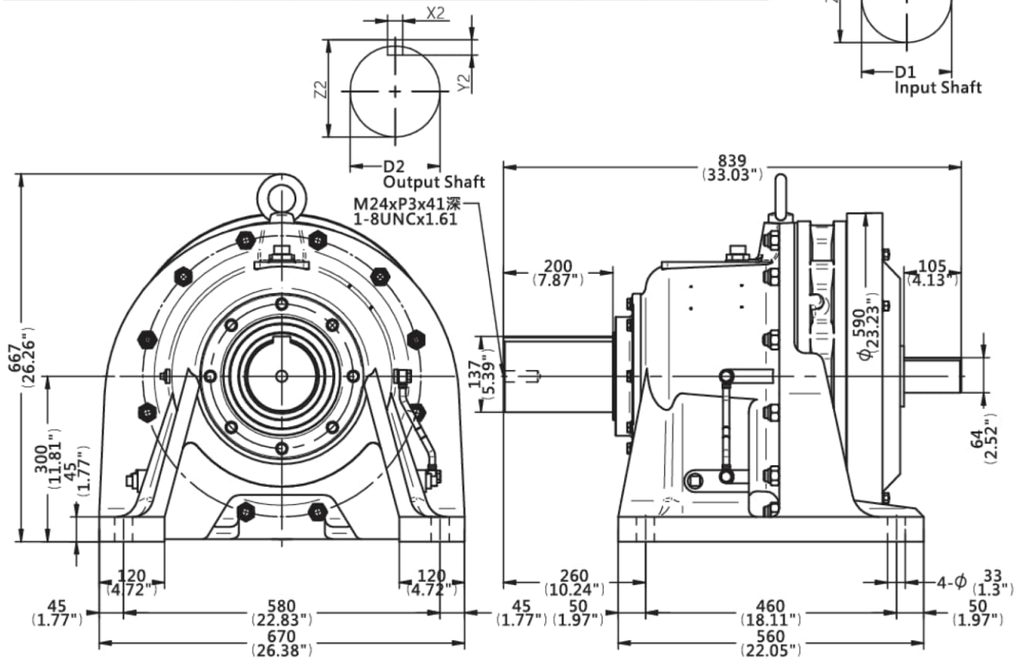
821	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-821-□	Ø50 h6	14	9	53.5	Ø110 h6	28	16	116	336kg
THH-821-□-I	Ø1.875 0/-0.0006	1/2	1/2	2.11"	Ø4.25 0/-0.0009	1	1	4.57"	739lbs



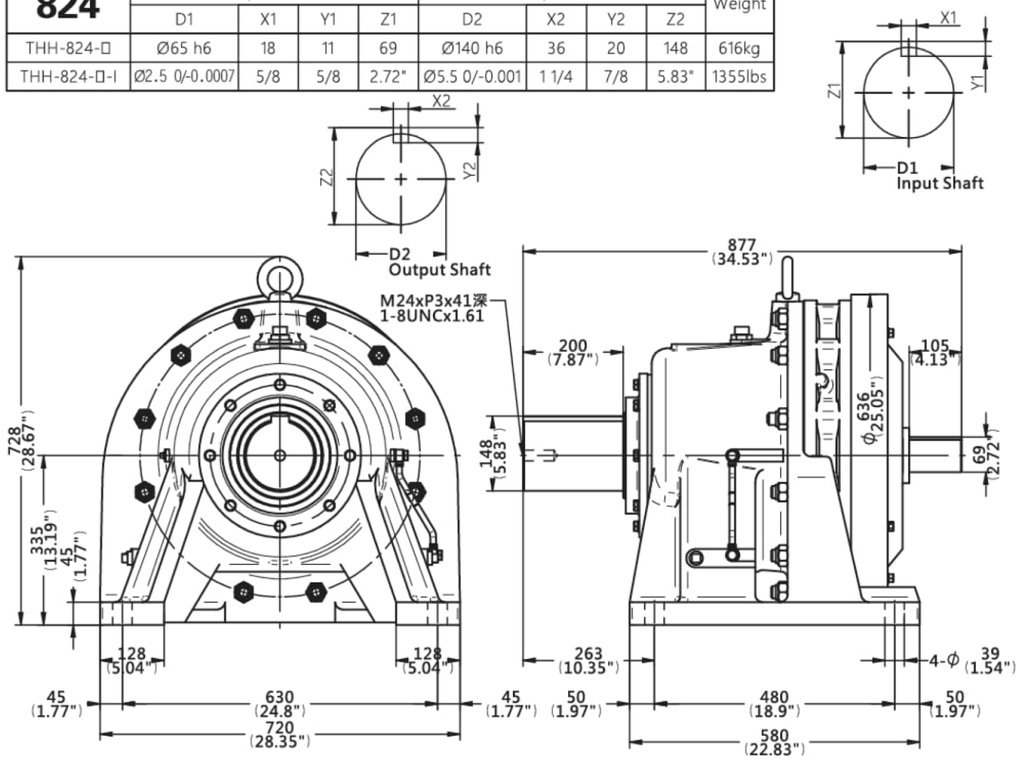
822	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-822-□	Ø55 h6	16	10	59	Ø120 h6	32	18	127	412kg
THH-822-□-I	Ø2.125 0/-0.0007	1/2	1/2	2.32"	Ø4.625 0/-0.0009	1 1/4	7/8	5"	906lbs



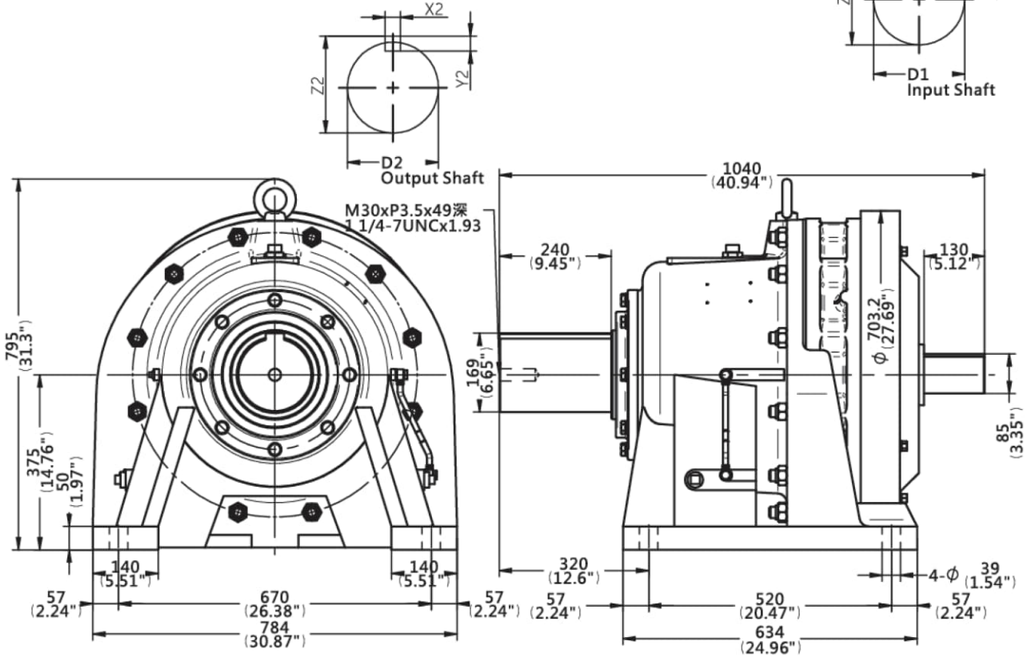
823	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-823-□	Ø60 h6	18	11	64	Ø130 h6	32	18	137	503kg
THH-823-□-I	Ø2.25 0/-0.0007	1/2	1/2	2.52"	Ø5 0/-0.001	1 1/4	7/8	5.39"	1107lbs



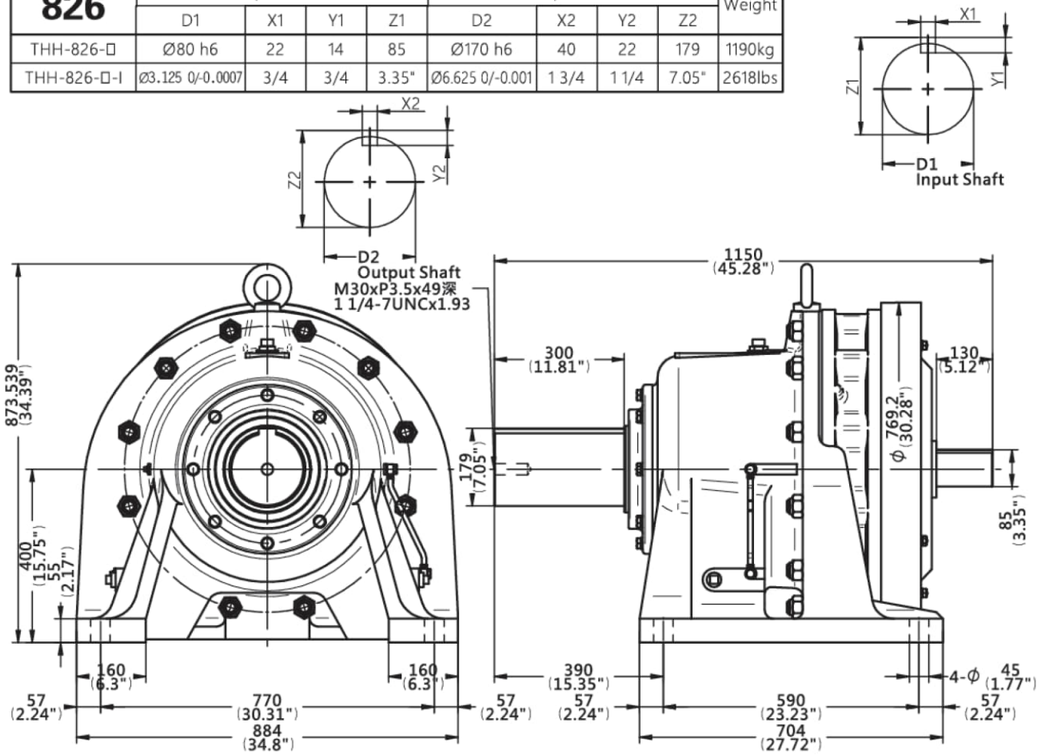
824	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-824-□	Ø65 h6	18	11	69	Ø140 h6	36	20	148	616kg
THH-824-□-I	Ø2.5 0/-0.0007	5/8	5/8	2.72"	Ø5.5 0/-0.001	1 1/4	7/8	5.83"	1355lbs



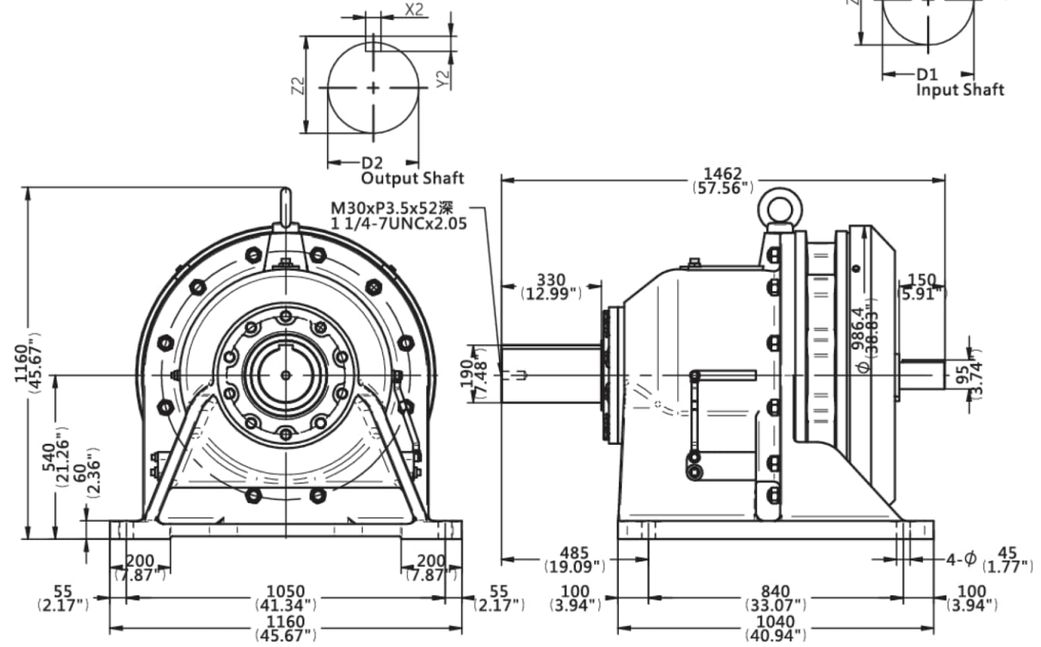
825	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-825-□	Ø80 h6	22	14	85	Ø160 h6	40	22	169	955kg
THH-825-□-I	Ø3.125 0/-0.0007	3/4	3/4	3.35"	Ø6.25 0/-0.001	1 1/2	1	6.65"	2101lbs



826	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-826-□	Ø80 h6	22	14	85	Ø170 h6	40	22	179	1190kg
THH-826-□-I	Ø3.125 0/-0.0007	3/4	3/4	3.35"	Ø6.625 0/-0.001	1 3/4	1 1/4	7.05"	2618lbs



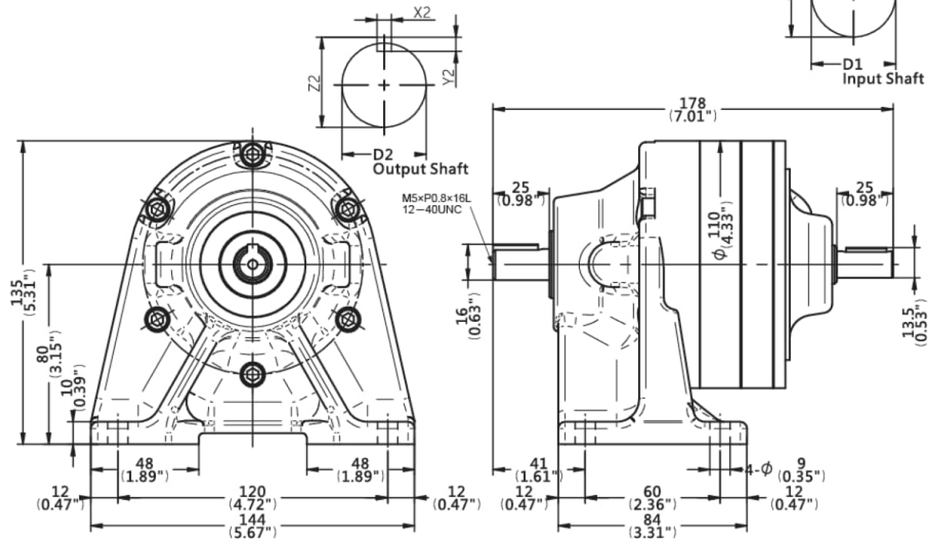
827	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-827-□	Ø90 h6	25	14	95	Ø180 h6	45	25	190	2460kg
THH-827-□-I	Ø3.5 0/-0.0009	7/8	7/8	3.5"	Ø7 0/-0.001	1 3/4	1 1/4	7.48"	5412lbs



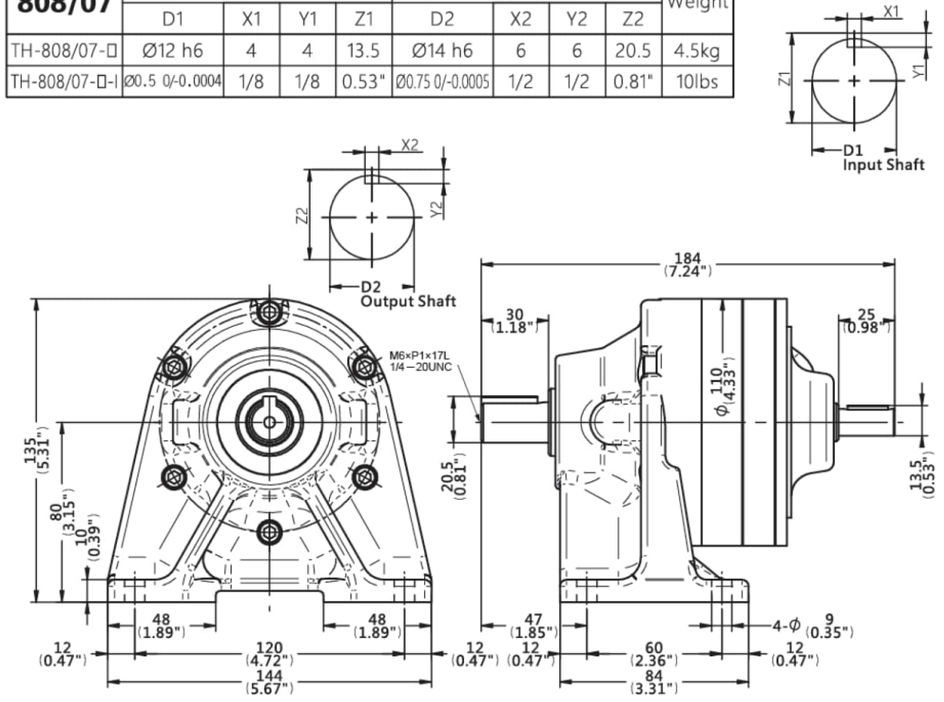
DIMENSION DRAWINGS

For Double Stage Reduction, Horizontal TRANSCYKO Speed Reducers

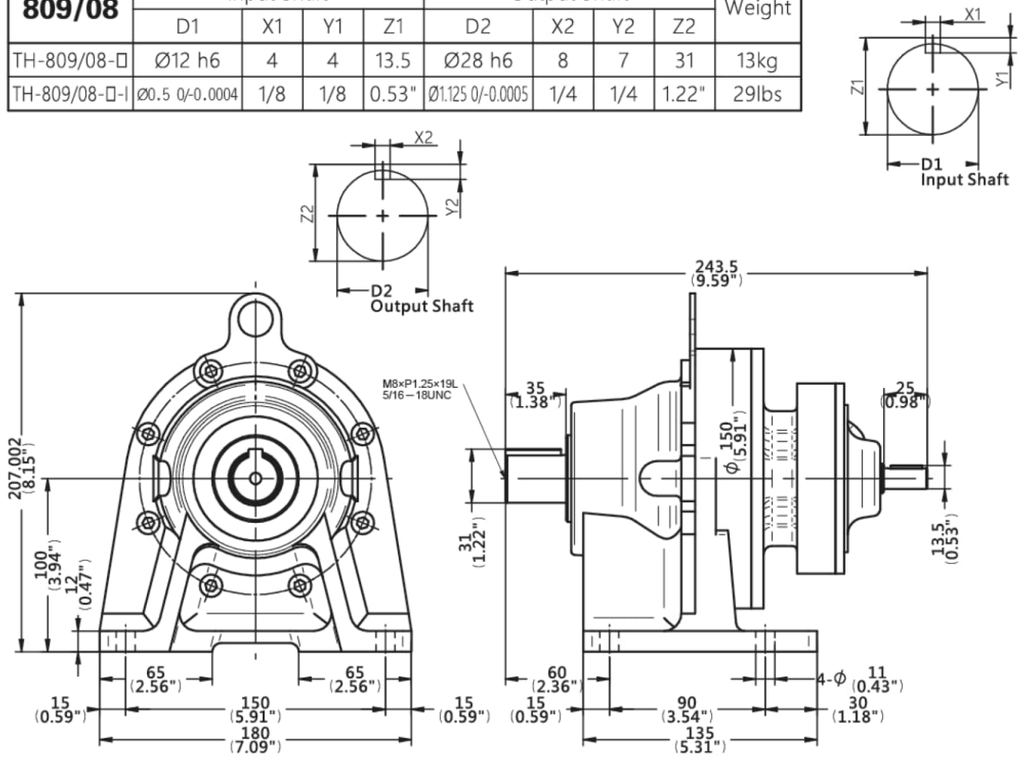
807/07	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TH-807/07-□	Ø12 h6	4	4	13.5	Ø14 h6	5	5	16	4kg
TH-807/07-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø0.5 0/-0.0004	1/2	1/2	0.63"	9lbs



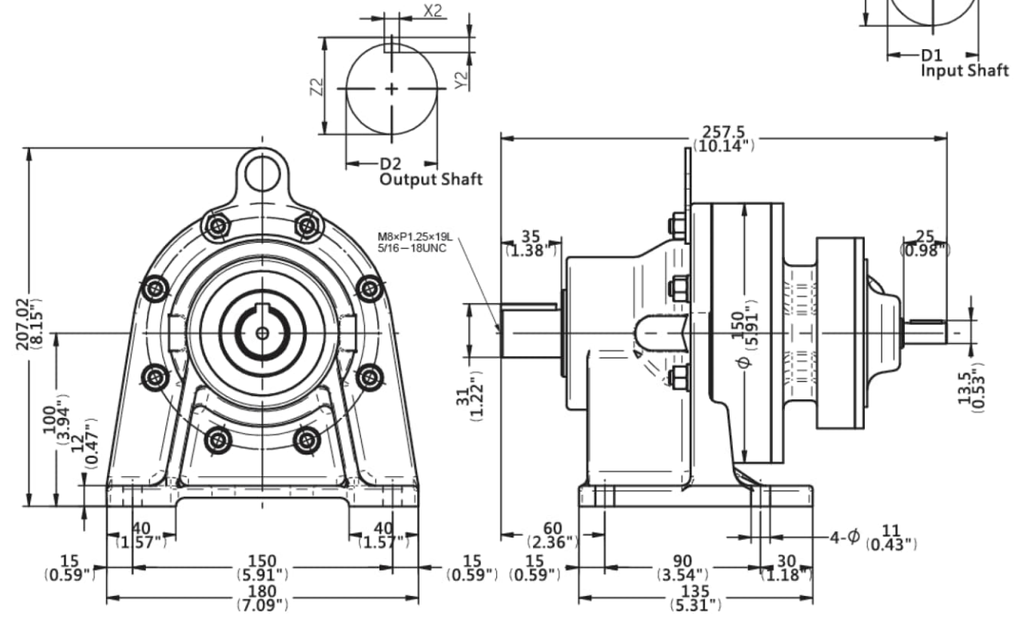
808/07	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TH-808/07-□	Ø12 h6	4	4	13.5	Ø14 h6	6	6	20.5	4.5kg
TH-808/07-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø0.75 0/-0.0005	1/2	1/2	0.81"	10lbs



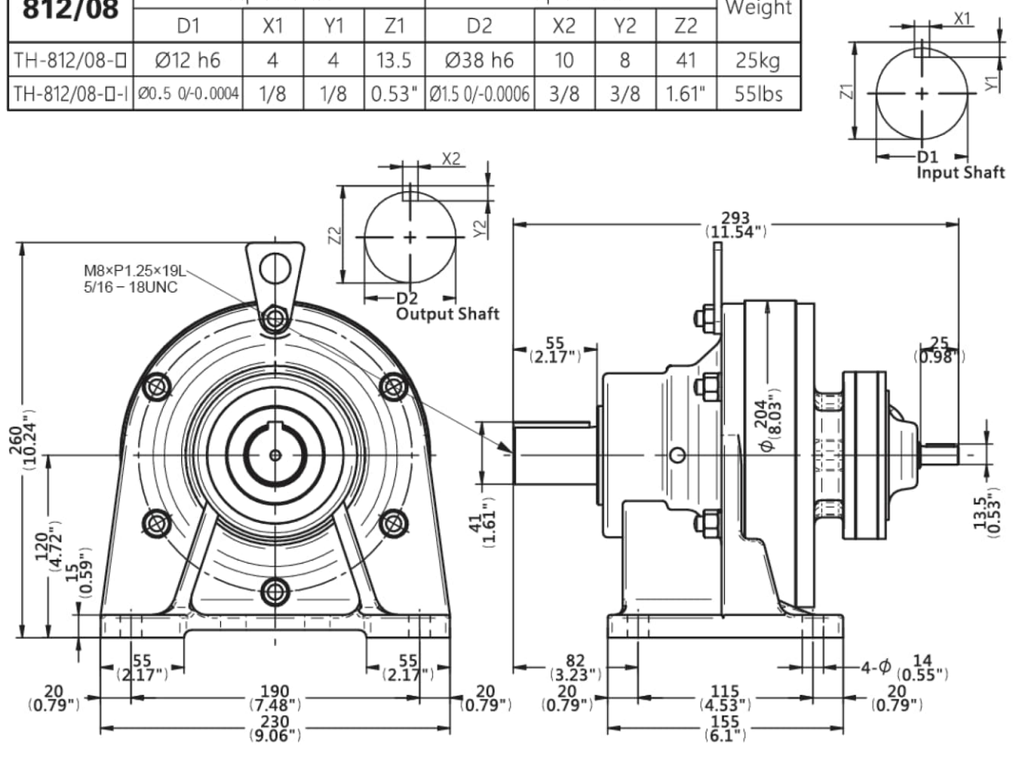
809/08	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TH-809/08-□	Ø12 h6	4	4	13.5	Ø28 h6	8	7	31	13kg
TH-809/08-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø1.125 0/-0.0005	1/4	1/4	1.22"	29lbs



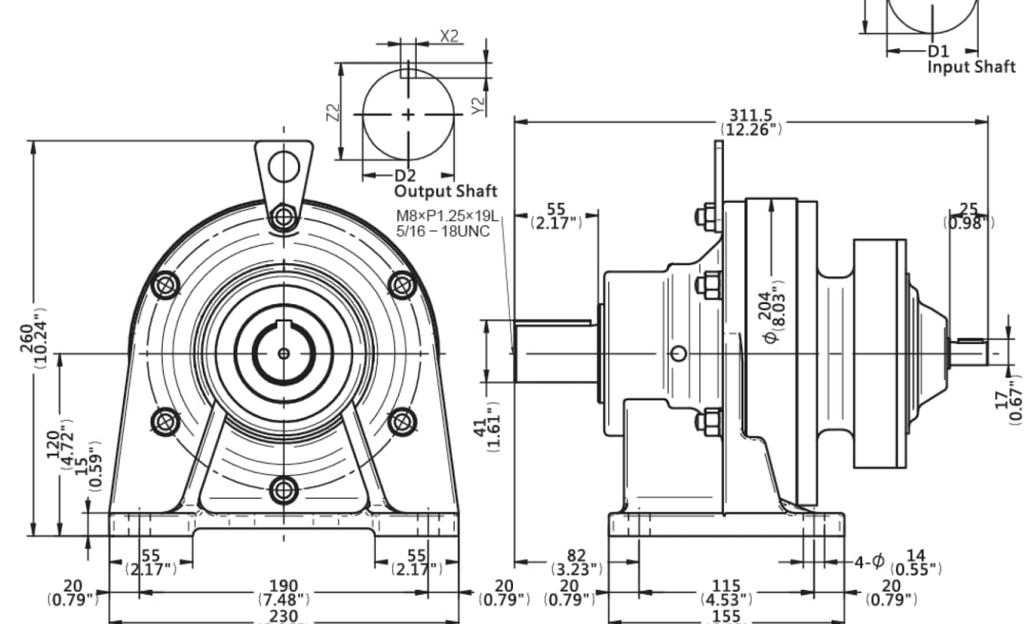
810/08	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TH-810/08-□	Ø12 h6	4	4	13.5	Ø28 h6	8	7	31	15kg
TH-810/08-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø1.125 0/-0.0005	1/4	1/4	1.22"	33lbs



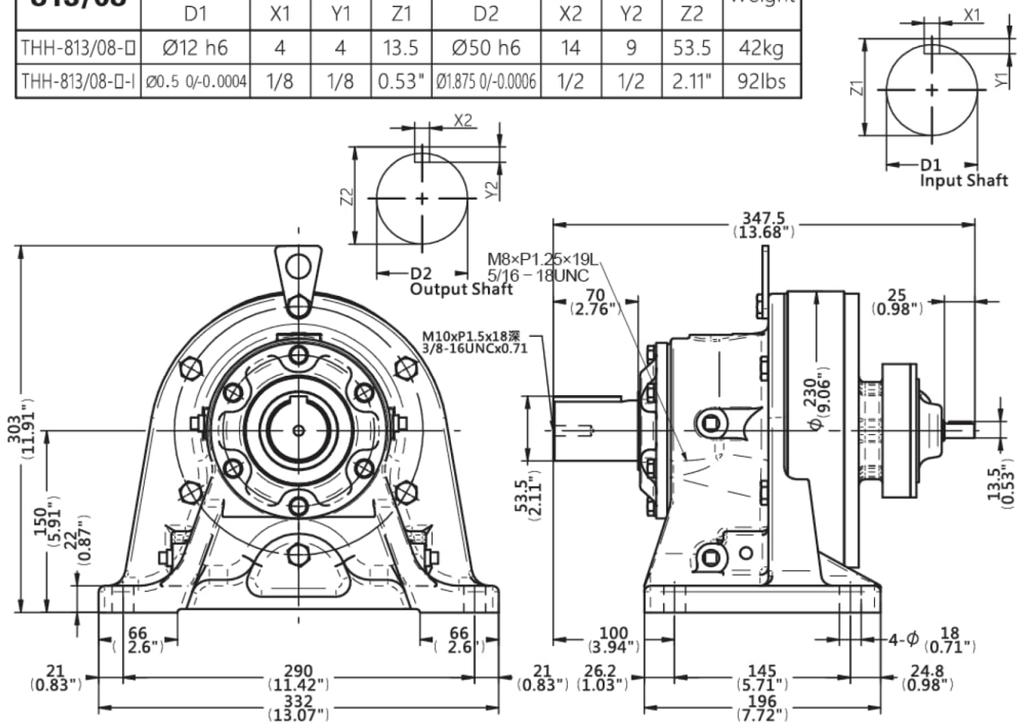
812/08	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TH-812/08-□	Ø12 h6	4	4	13.5	Ø38 h6	10	8	41	25kg
TH-812/08-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø1.5 0/-0.0006	3/8	3/8	1.61"	55lbs



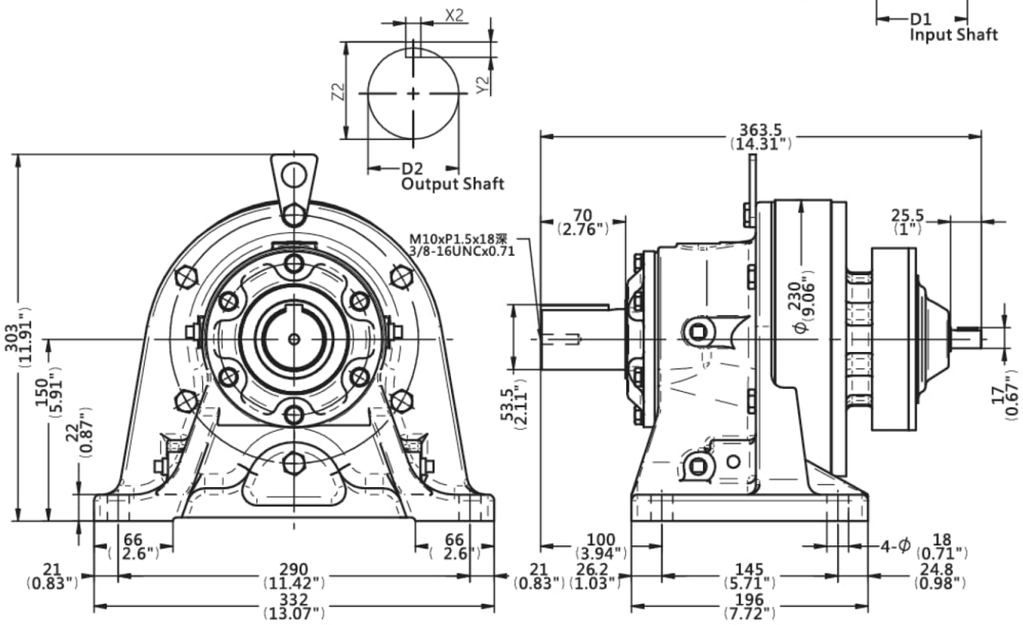
812/09	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TH-812/09-□	Ø15 h6	5	5	17	Ø38 h6	10	8	41	30kg
TH-812/09-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø1.5 0/-0.0006	3/8	3/8	1.61"	66lbs



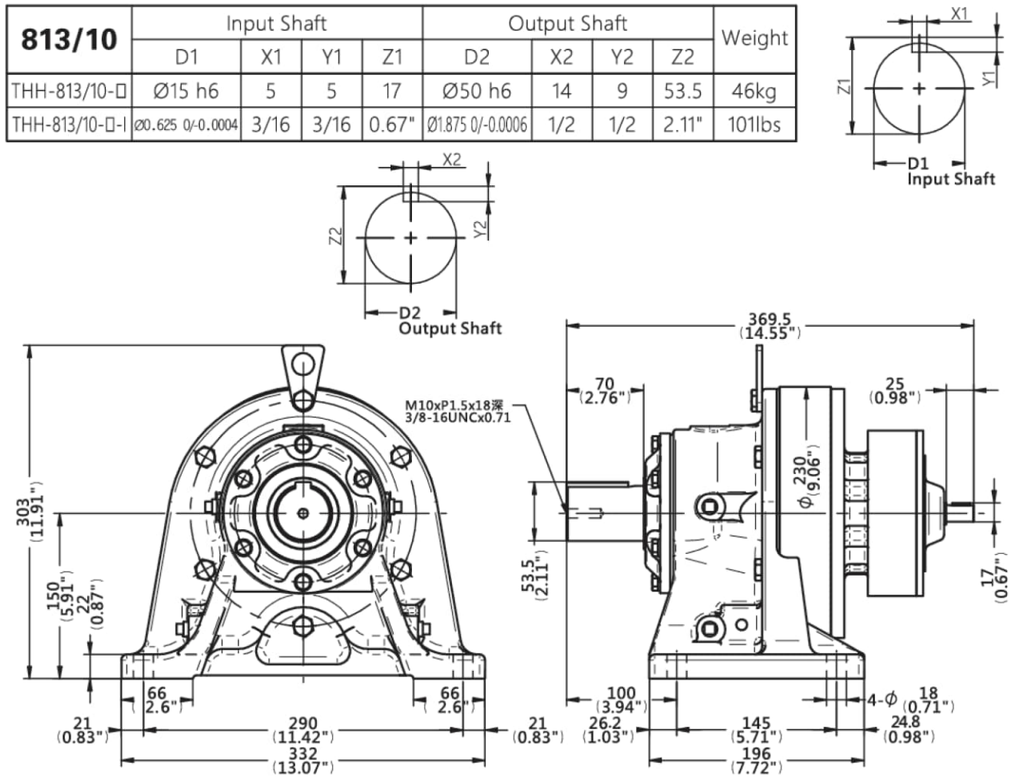
813/08	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-813/08-□	Ø12 h6	4	4	13.5	Ø50 h6	14	9	53.5	42kg
THH-813/08-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	92lbs



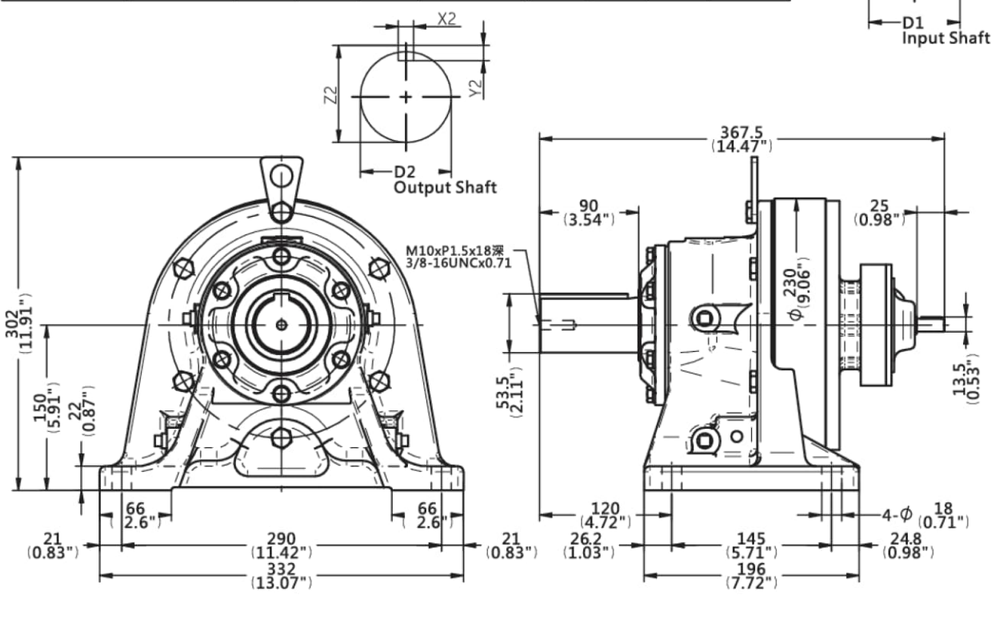
813/09	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-813/09-□	Ø15 h6	5	5	17	Ø50 h6	14	9	53.5	46kg
THH-813/09-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	101lbs



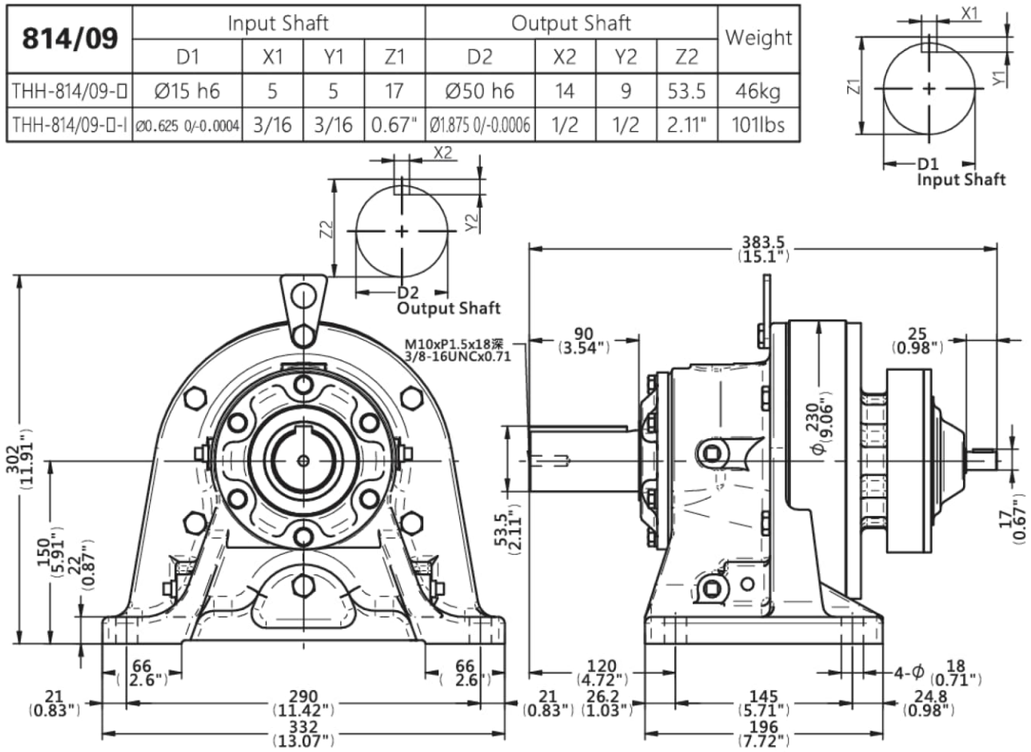
813/10	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-813/10-□	Ø15 h6	5	5	17	Ø50 h6	14	9	53.5	46kg
THH-813/10-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	101lbs



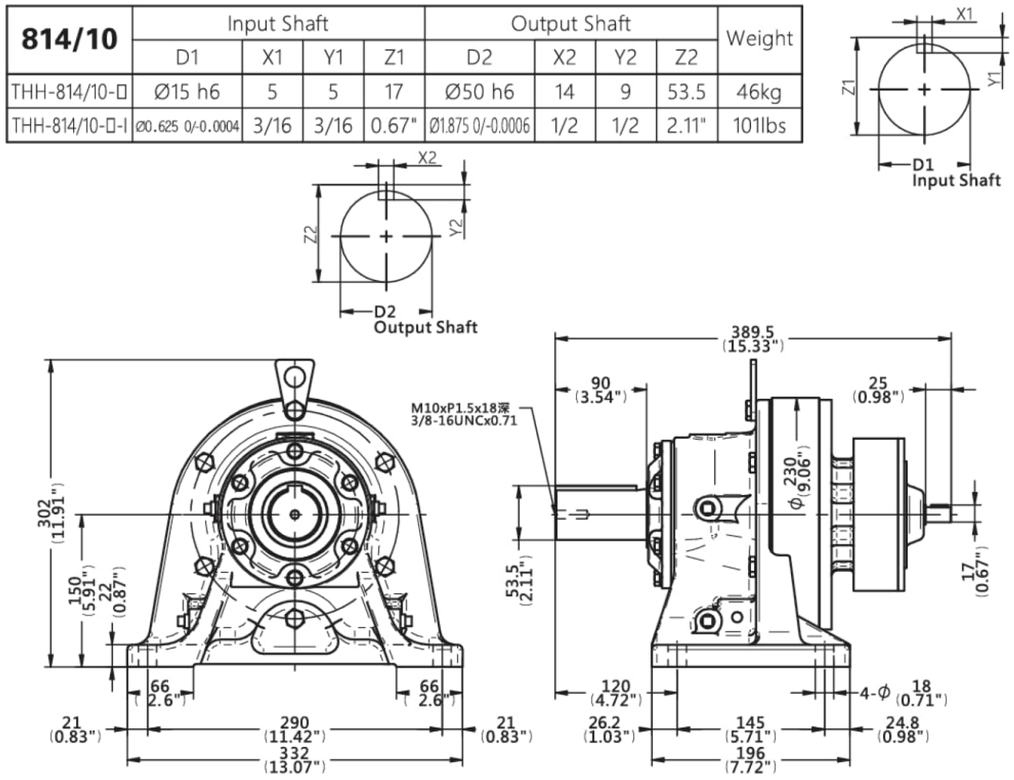
814/08	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-814/08-□	Ø12 h6	4	4	13.5	Ø50 h6	14	9	53.5	41kg
THH-814/08-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	90lbs



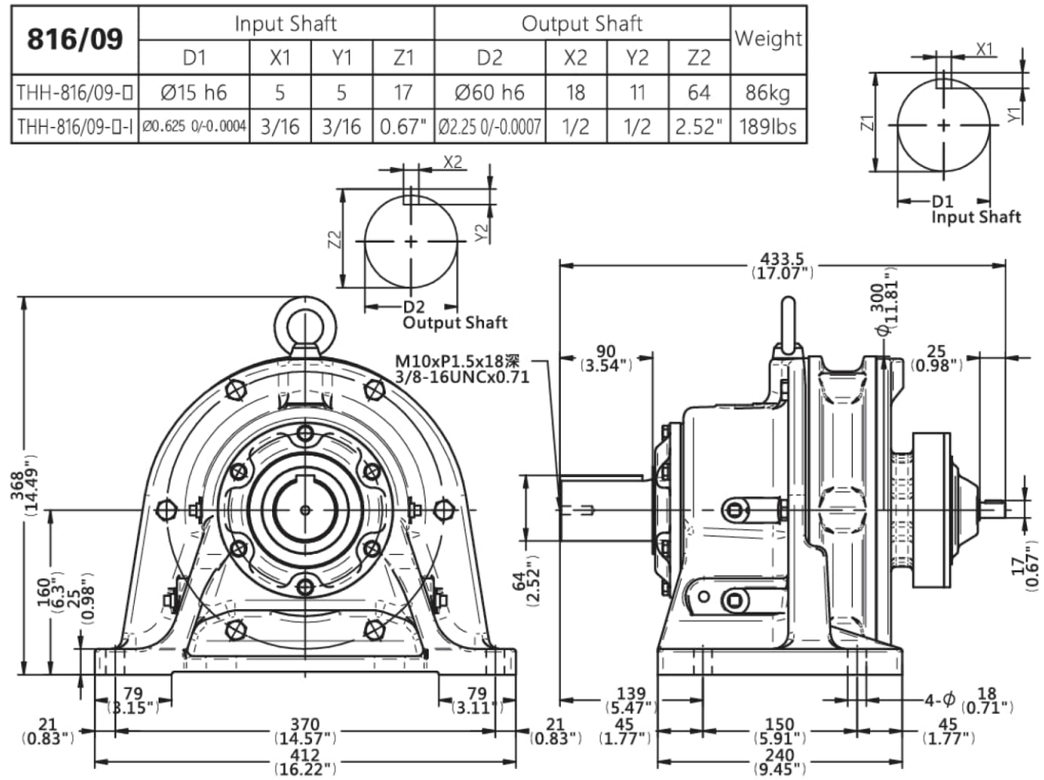
814/09	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-814/09-□	Ø15 h6	5	5	17	Ø50 h6	14	9	53.5	46kg
THH-814/09-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	101lbs



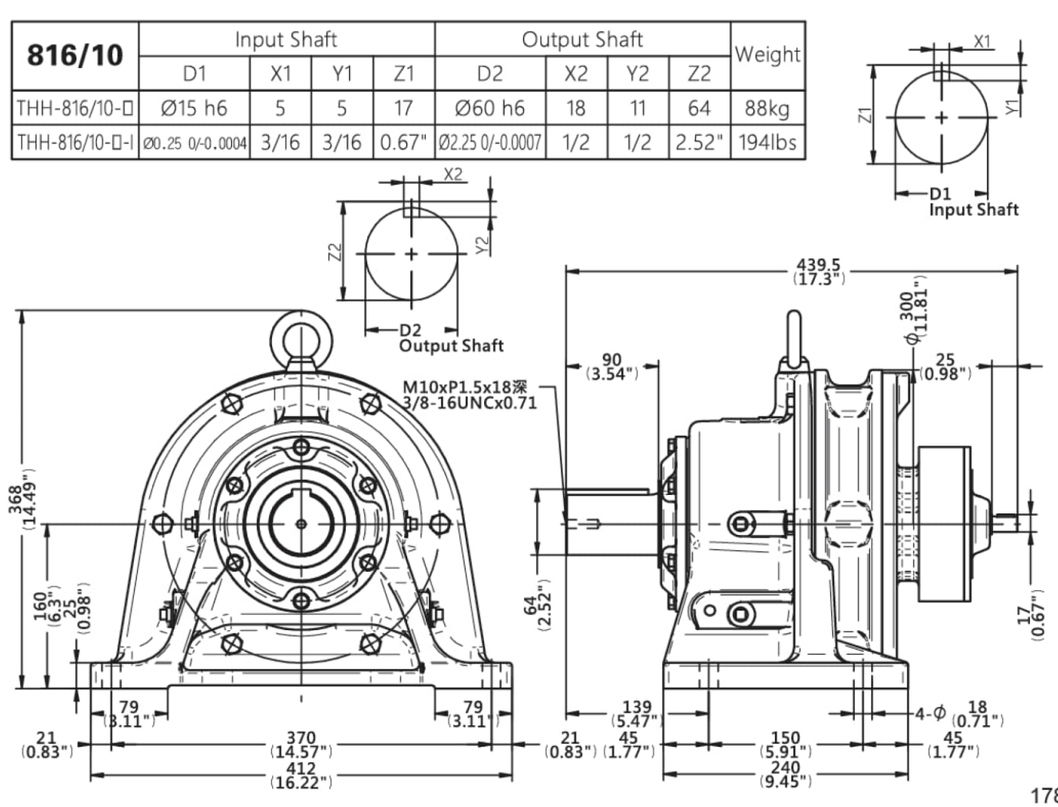
814/10	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-814/10-□	Ø15 h6	5	5	17	Ø50 h6	14	9	53.5	46kg
THH-814/10-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	101lbs



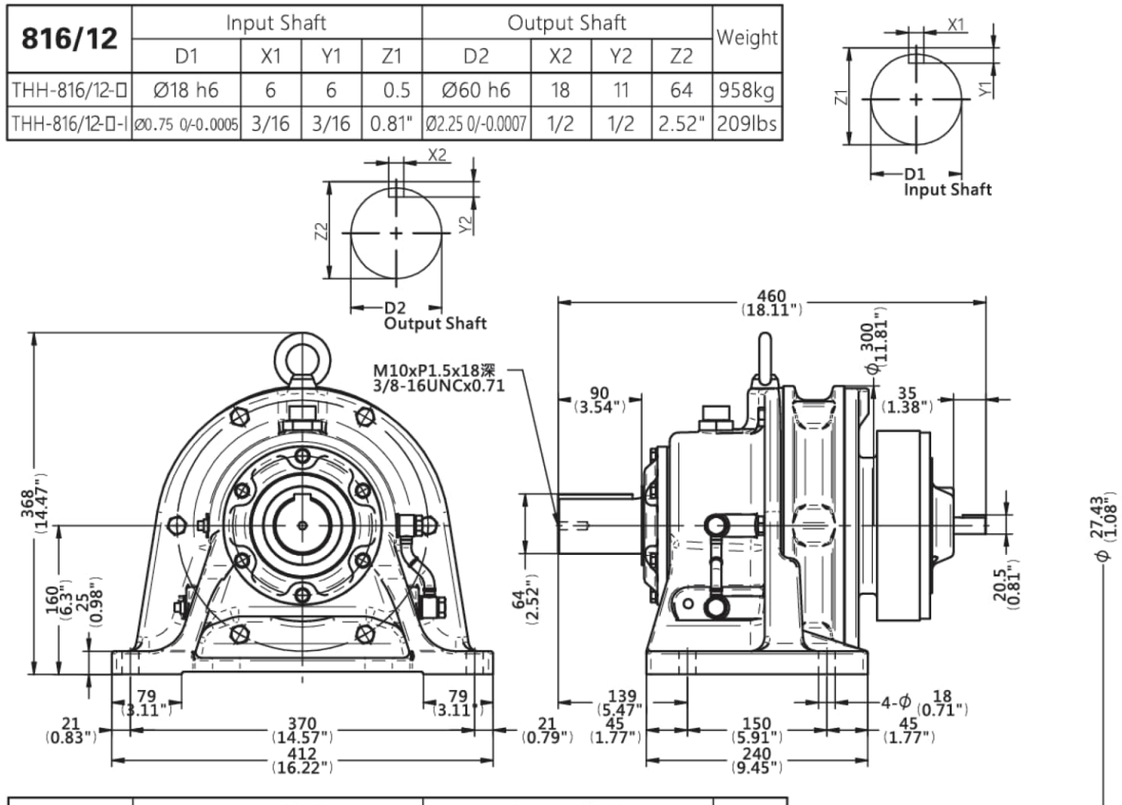
816/09	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-816/09-□	Ø15 h6	5	5	17	Ø60 h6	18	11	64	86kg
THH-816/09-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø2.25 0/-0.0007	1/2	1/2	2.52"	189lbs



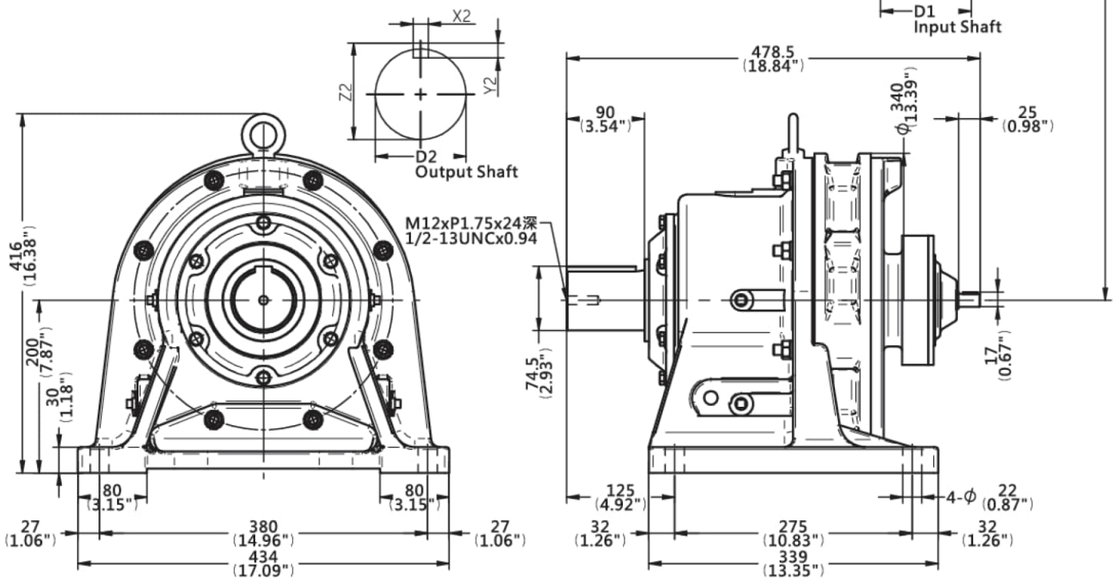
816/10	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-816/10-□	Ø15 h6	5	5	17	Ø60 h6	18	11	64	88kg
THH-816/10-□-I	Ø0.25 0/-0.0004	3/16	3/16	0.67"	Ø2.25 0/-0.0007	1/2	1/2	2.52"	194lbs



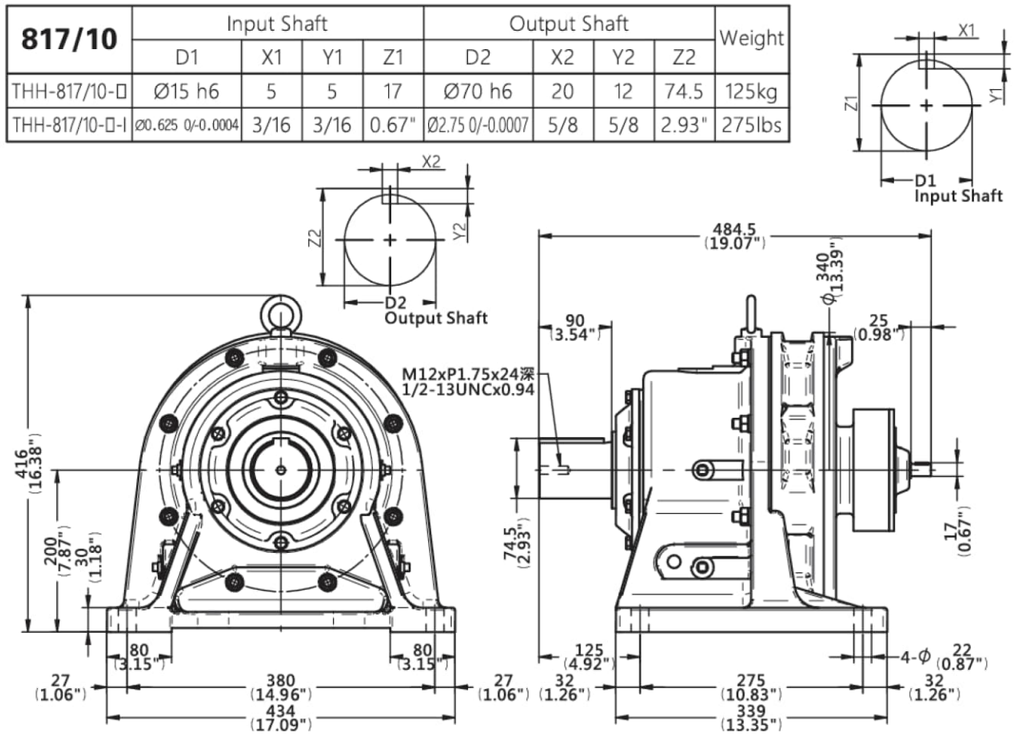
816/12	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-816/12-□	Ø18 h6	6	6	0.5	Ø60 h6	18	11	64	958kg
THH-816/12-□-I	Ø0.75 0/-0.0005	3/16	3/16	0.81"	Ø2.25 0/-0.0007	1/2	1/2	2.52"	209lbs



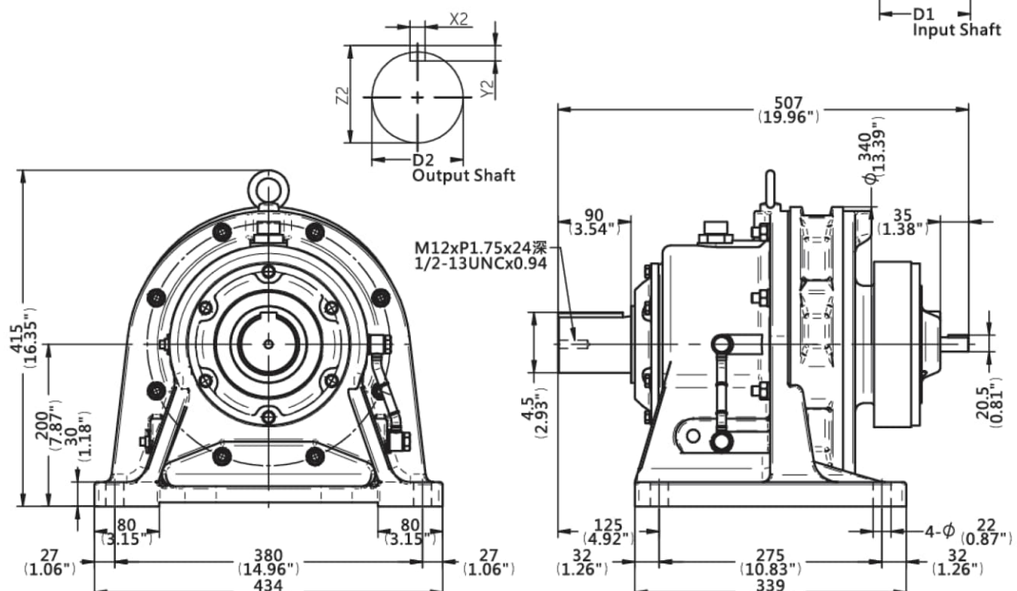
817/09	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-817/09-□	Ø15 h6	5	5	38	Ø70 h6	20	12	74.5	120kg
THH-817/09-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø2.75 0/-0.0007	5/8	5/8	2.93"	264lbs



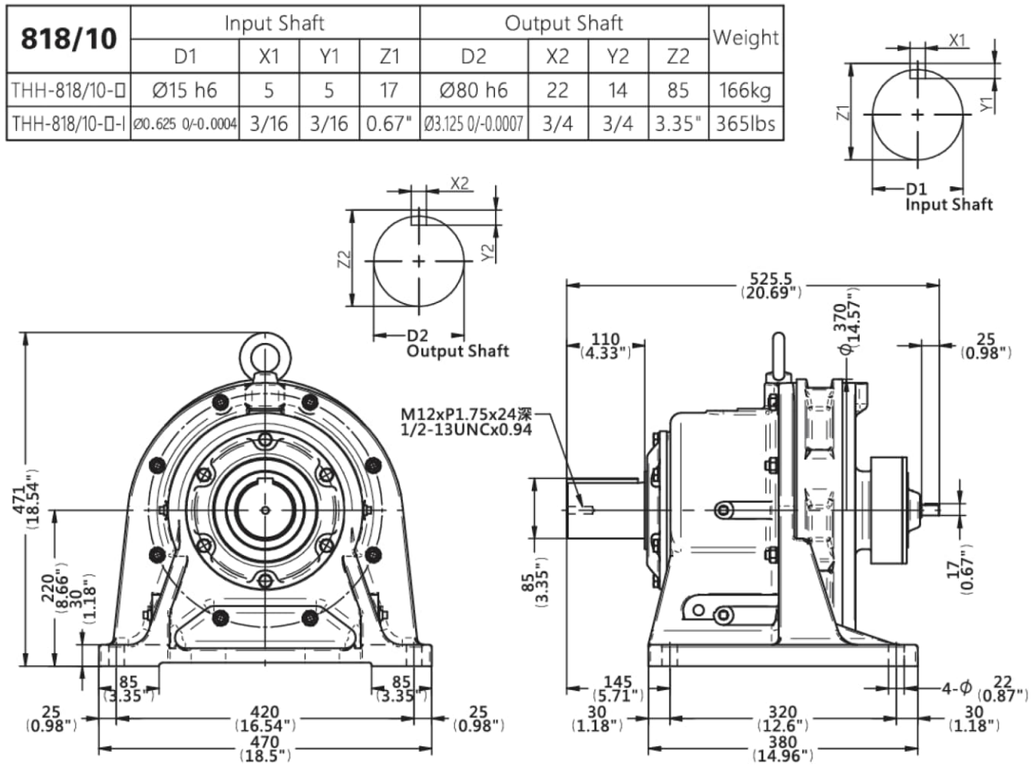
817/10	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-817/10-□	Ø15 h6	5	5	17	Ø70 h6	20	12	74.5	125kg
THH-817/10-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø2.75 0/-0.0007	5/8	5/8	2.93"	275lbs



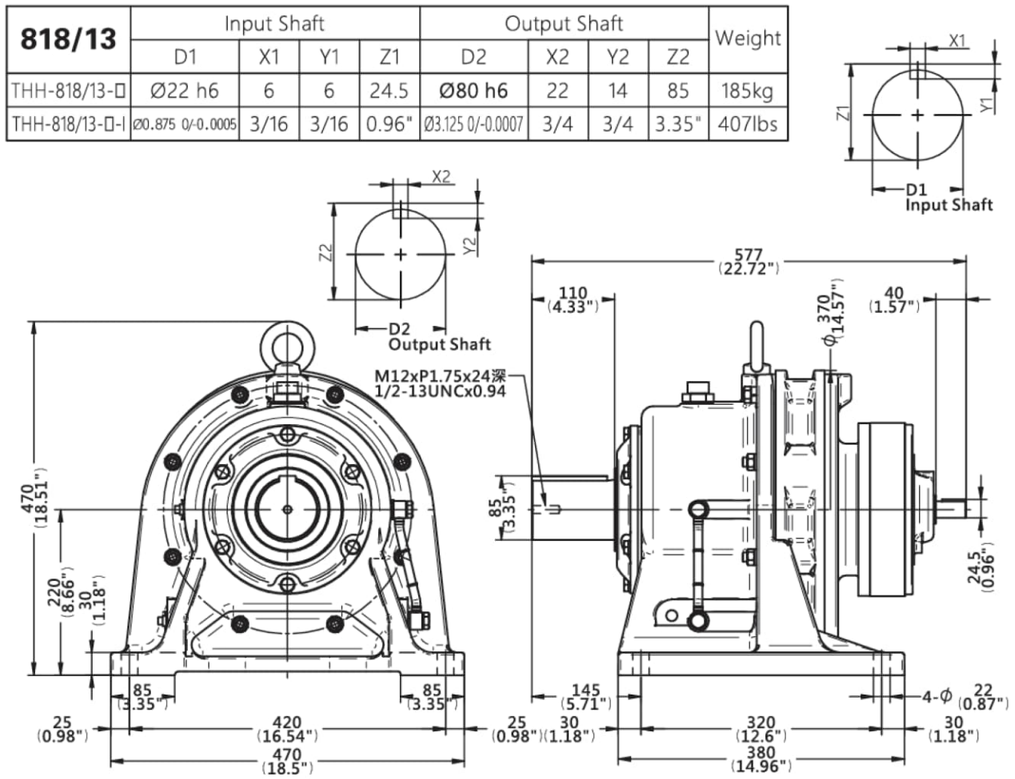
817/12	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-817/12-□	Ø18 h6	6	6	20.5	Ø70 h6	20	12	74.5	130kg
THH-817/12-□-I	Ø0.75 0/-0.0005	3/16	3/16	0.81"	Ø2.75 0/-0.0007	5/8	5/8	2.93"	286lbs



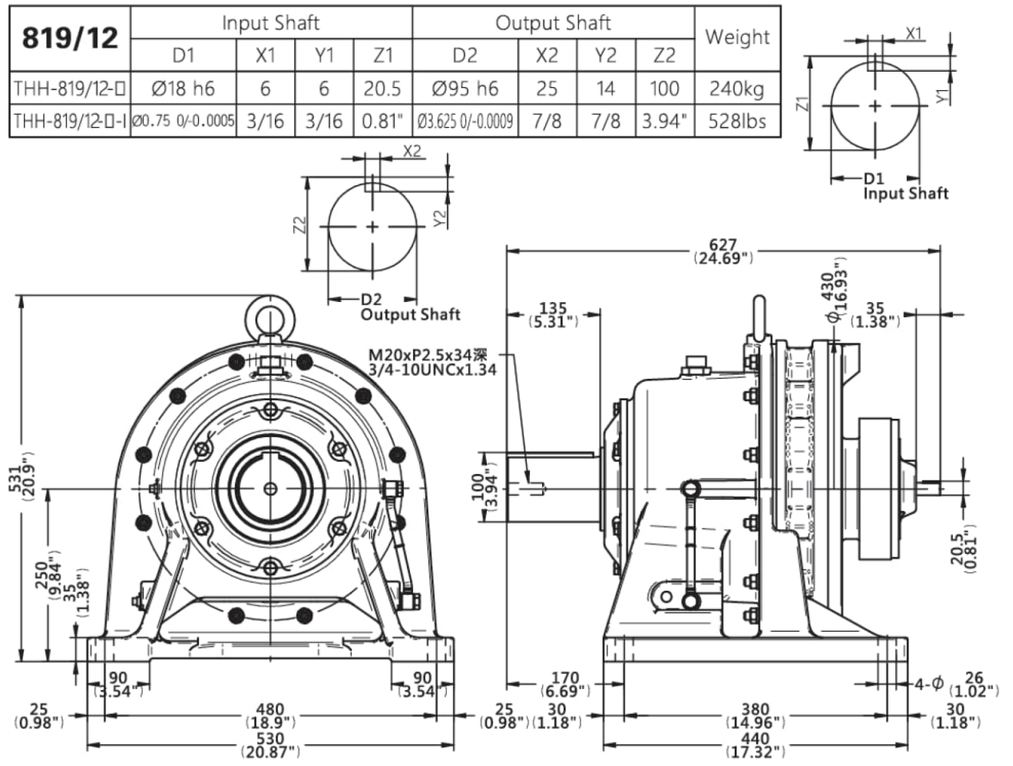
818/10	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-818/10-□	Ø15 h6	5	5	17	Ø80 h6	22	14	85	166kg
THH-818/10-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø3.125 0/-0.0007	3/4	3/4	3.35"	365lbs



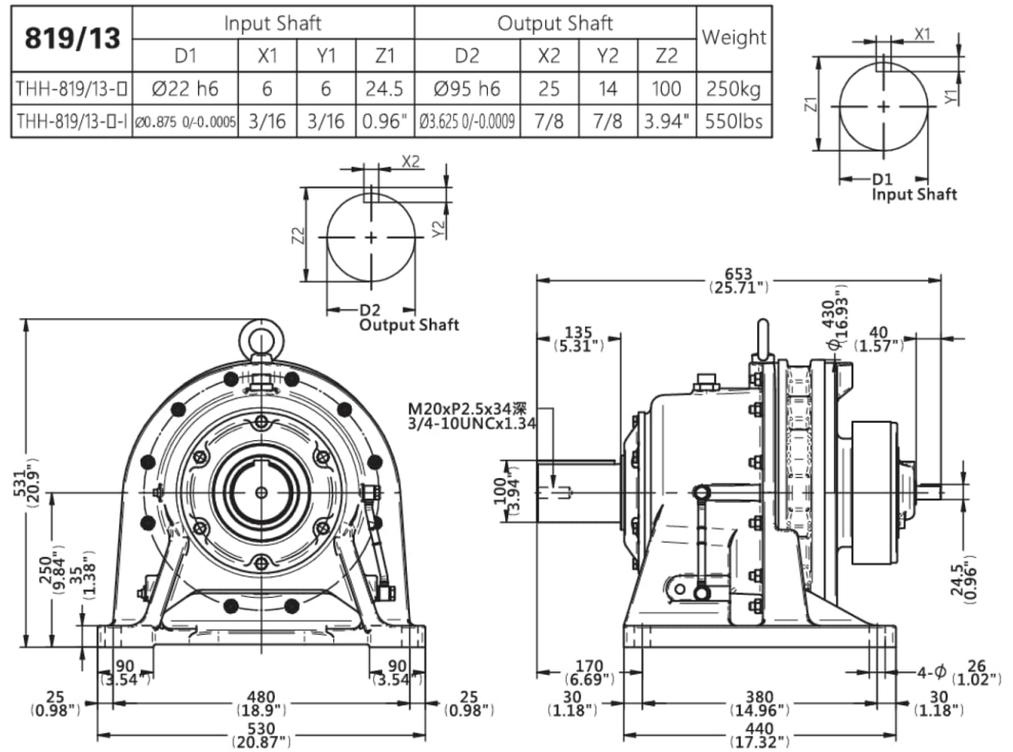
818/13	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-818/13-□	Ø22 h6	6	6	24.5	Ø80 h6	22	14	85	185kg
THH-818/13-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.96"	Ø3.125 0/-0.0007	3/4	3/4	3.35"	407lbs



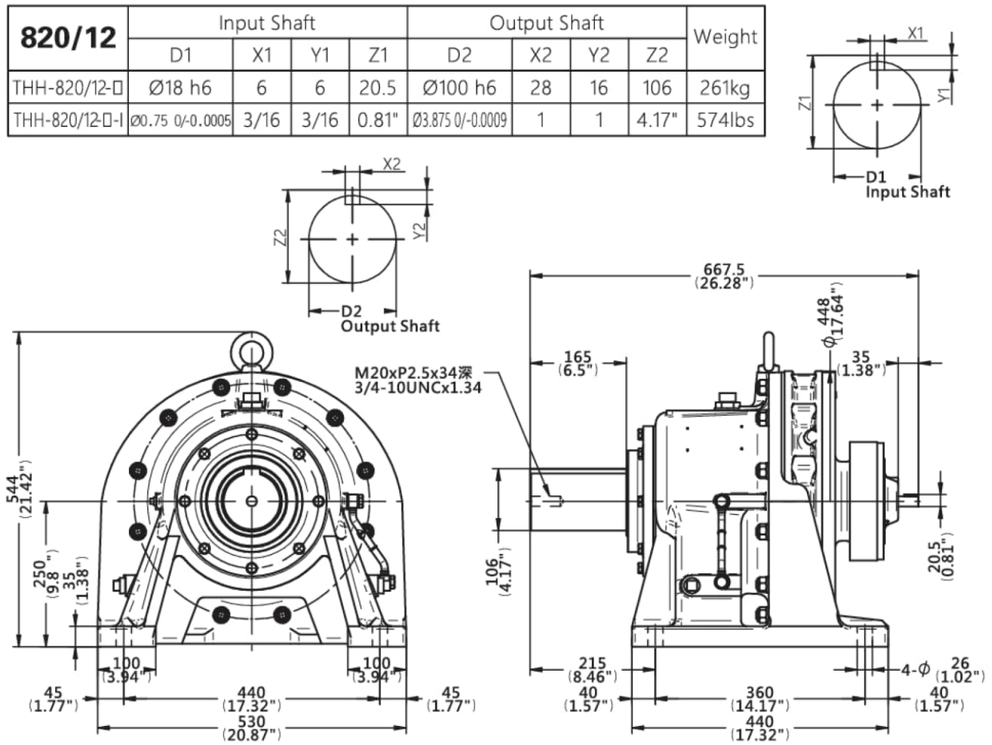
819/12	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-819/12-□	Ø18 h6	6	6	20.5	Ø95 h6	25	14	100	240kg
THH-819/12-□-I	Ø0.75 0/-0.0005	3/16	3/16	0.81"	Ø3.625 0/-0.0009	7/8	7/8	3.94"	528lbs



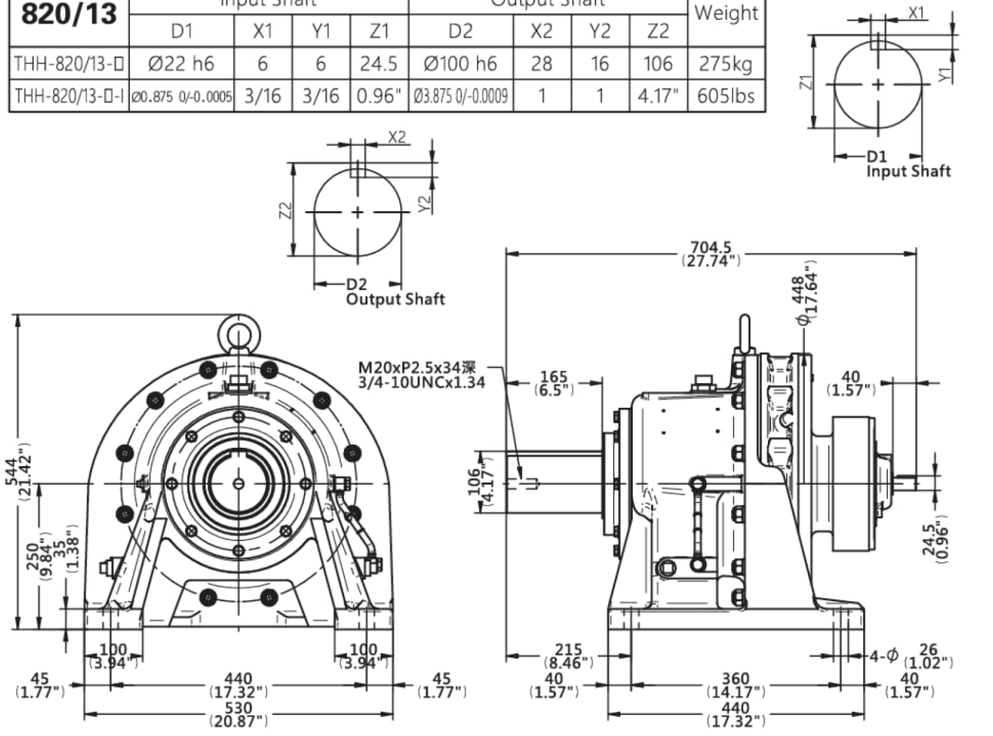
819/13	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-819/13-□	Ø22 h6	6	6	24.5	Ø95 h6	25	14	100	250kg
THH-819/13-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.96"	Ø3.625 0/-0.0009	7/8	7/8	3.94"	550lbs



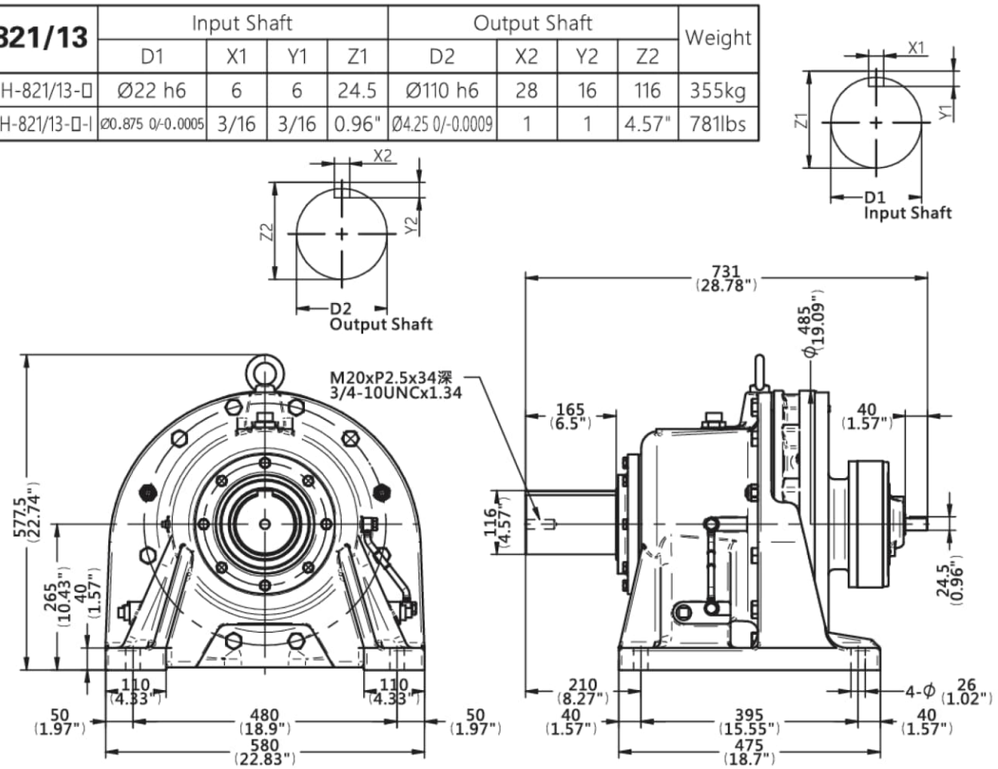
820/12	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-820/12-□	Ø18 h6	6	6	20.5	Ø100 h6	28	16	106	261kg
THH-820/12-□-I	Ø0.75 0/-0.0005	3/16	3/16	0.81"	Ø3.875 0/-0.0009	1	1	4.17"	574lbs



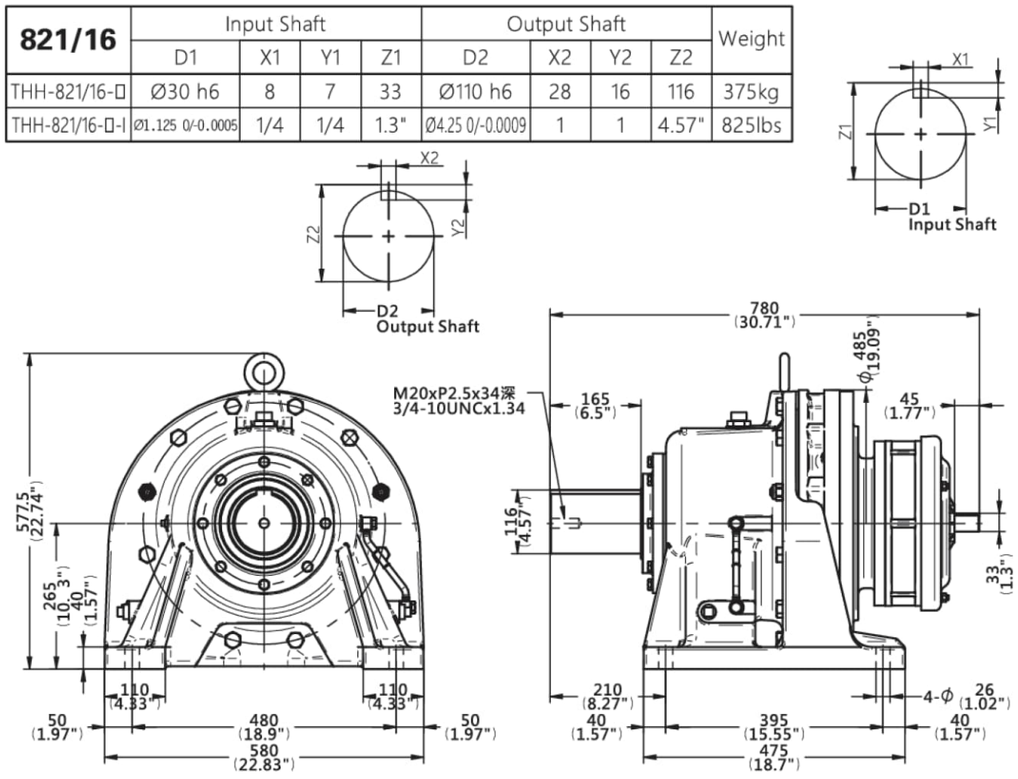
820/13	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-820/13-□	Ø22 h6	6	6	24.5	Ø100 h6	28	16	106	275kg
THH-820/13-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.96"	Ø3.875 0/-0.0009	1	1	4.17"	605lbs



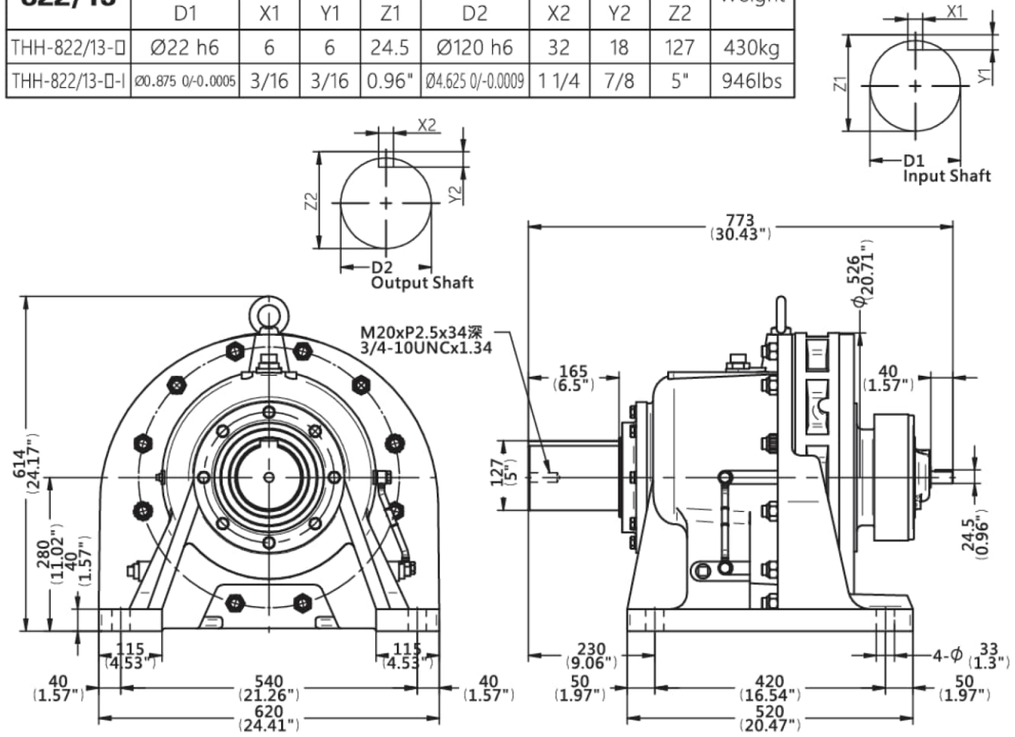
821/13	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-821/13-□	Ø22 h6	6	6	24.5	Ø110 h6	28	16	116	355kg
THH-821/13-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.96"	Ø4.25 0/-0.0009	1	1	4.57"	781lbs



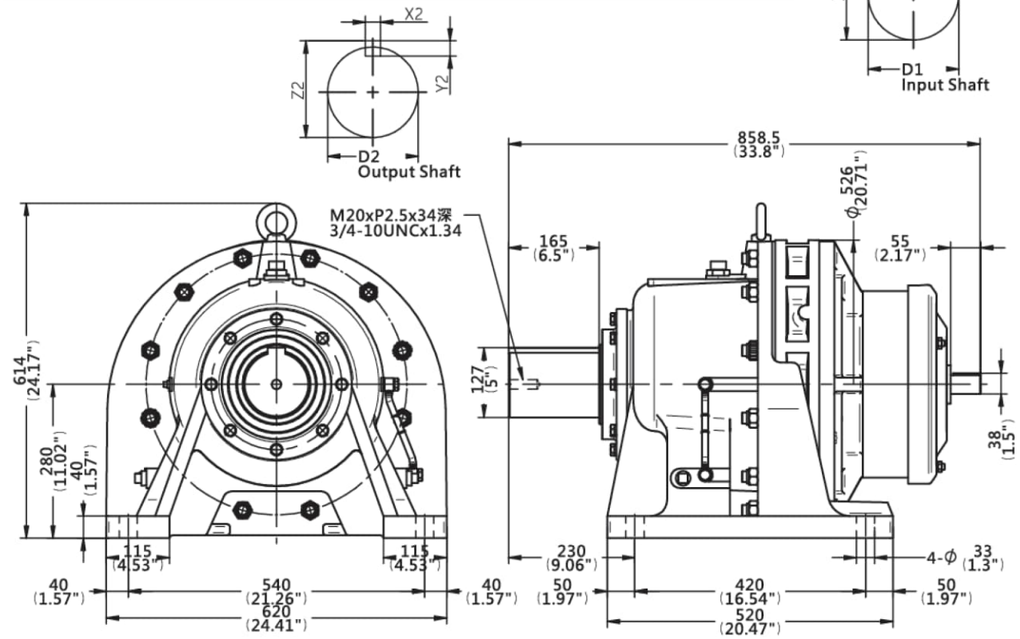
821/16	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-821/16-□	Ø30 h6	8	7	33	Ø110 h6	28	16	116	375kg
THH-821/16-□-I	Ø1.125 0/-0.0005	1/4	1/4	1.3"	Ø4.25 0/-0.0009	1	1	4.57"	825lbs



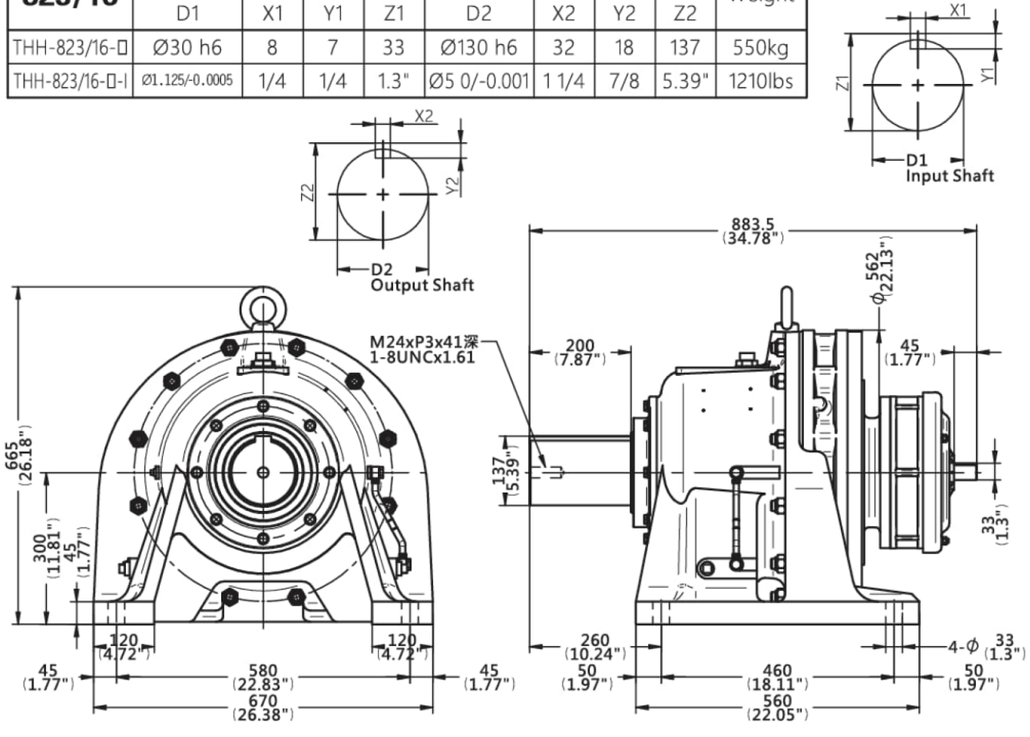
822/13	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-822/13-□	Ø22 h6	6	6	24.5	Ø120 h6	32	18	127	430kg
THH-822/13-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.96"	Ø4.625 0/-0.0009	1 1/4	7/8	5"	946lbs



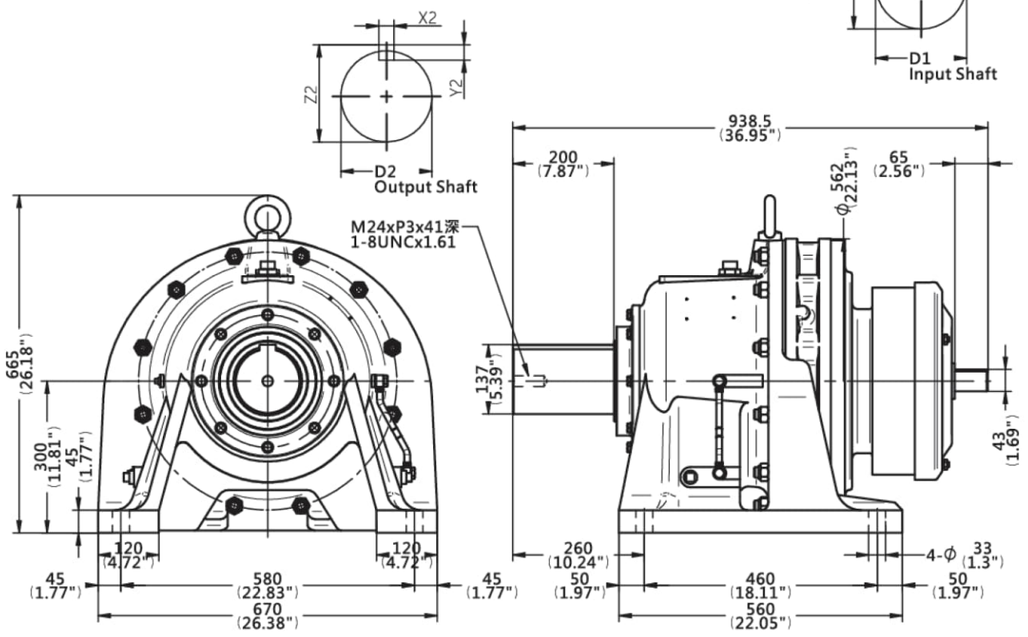
822/17	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-822/17-□	Ø35 h6	10	8	38	Ø120 h6	32	18	127	475kg
THH-822/17-□-I	Ø1.375 0/-0.0006	5/16	5/16	1.5"	Ø4.625 0/-0.0009	1 1/4	7/8	5"	1045lbs



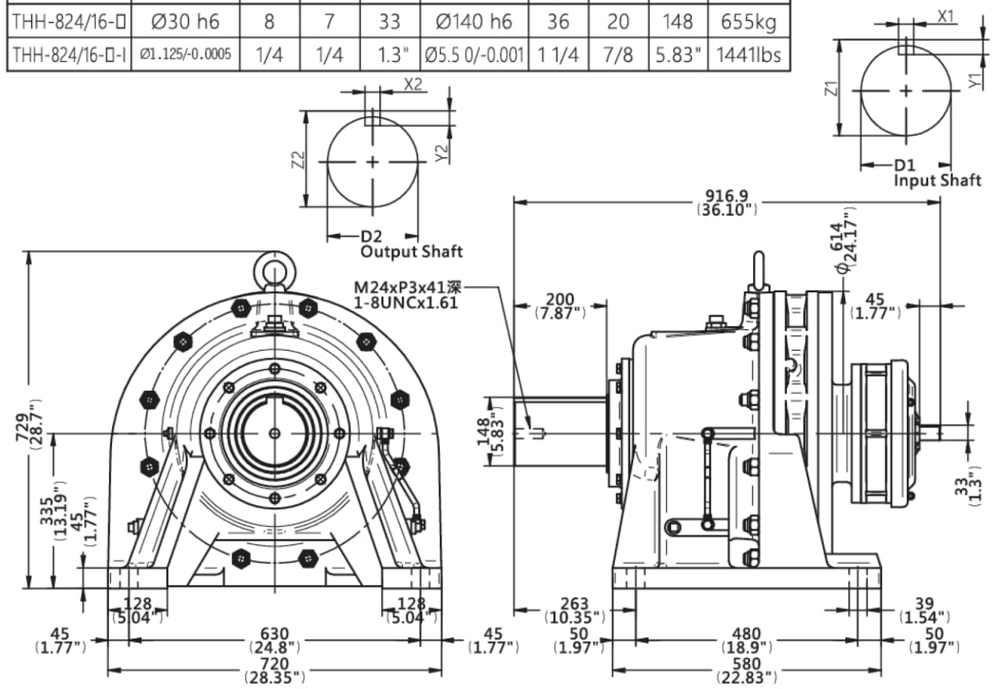
823/16	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-823/16-□	Ø30 h6	8	7	33	Ø130 h6	32	18	137	550kg
THH-823/16-□-I	Ø1.125/-0.0005	1/4	1/4	1.3"	Ø5 0/-0.001	1 1/4	7/8	5.39"	1210lbs



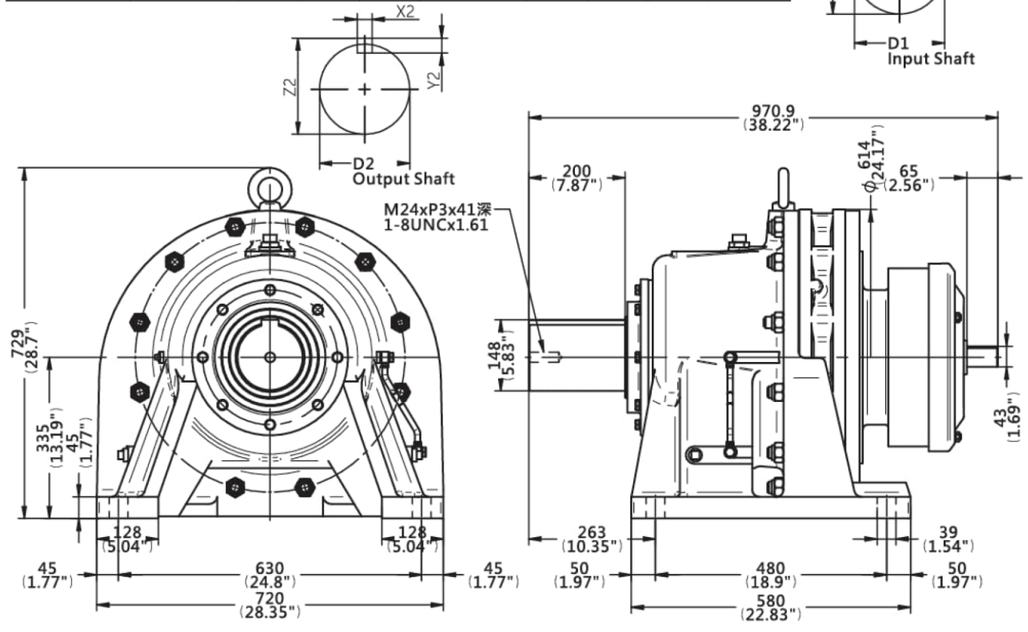
823/18	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-823/18-□	Ø40 h6	12	8	43	Ø130 h6	32	18	137	503kg
THH-823/18-□-I	Ø1.5/-0.0006	3/8	3/8	1.69"	Ø5 0/-0.0009	1 1/4	7/8	5.39"	1107lbs



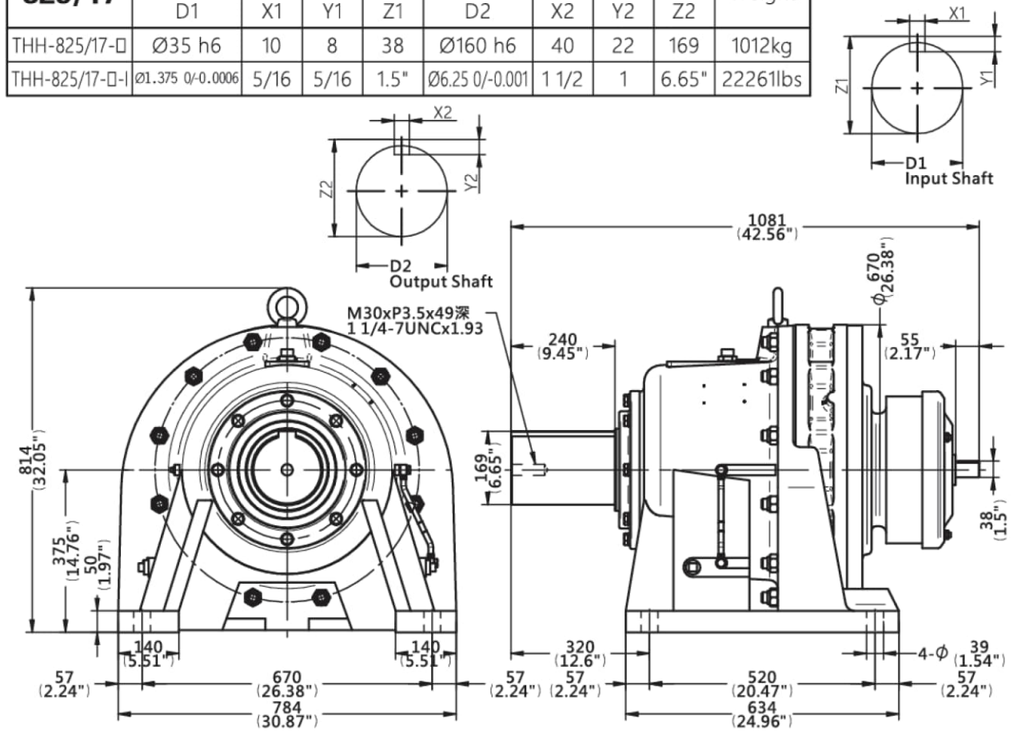
824/16	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-824/16-□	Ø30 h6	8	7	33	Ø140 h6	36	20	148	655kg
THH-824/16-□-I	Ø1.125/-0.0005	1/4	1/4	1.3"	Ø5.5 0/-0.001	1 1/4	7/8	5.83"	1441lbs



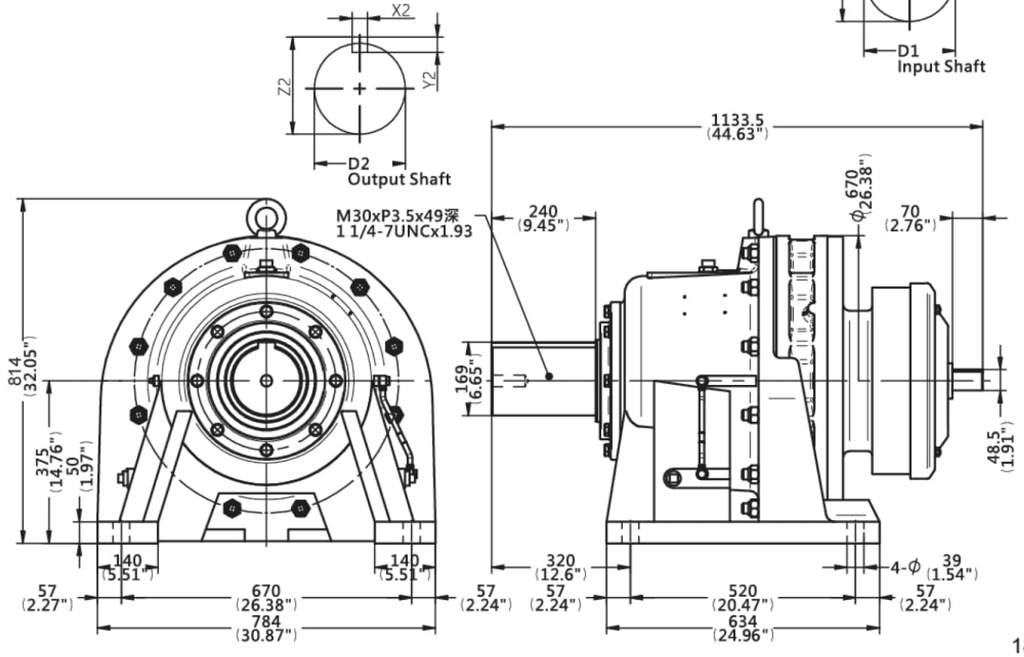
824/18	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-824/18-□	Ø40 h6	12	8	43	Ø140 h6	36	20	148	688kg
THH-824/18-□-I	Ø1.5/-0.0006	3/8	3/8	1.5"	Ø5.5 0/-0.001	1 1/4	7/8	5.83"	1514lbs



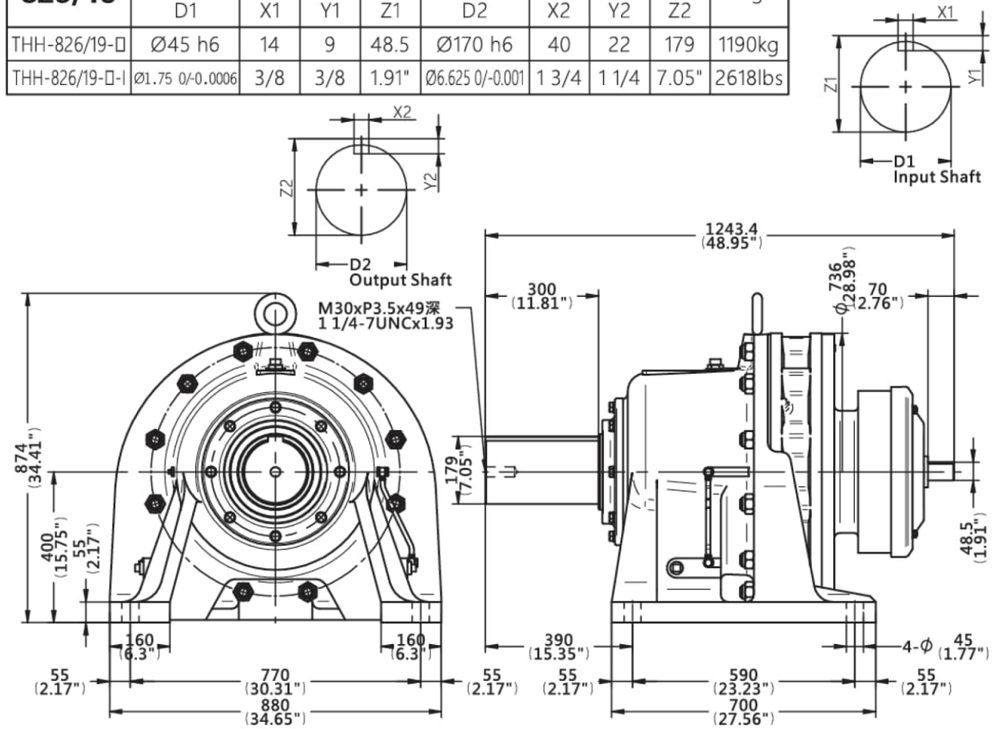
825/17	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-825/17-□	Ø35 h6	10	8	38	Ø160 h6	40	22	169	1012kg
THH-825/17-□-I	Ø1.375 0/-0.0006	5/16	5/16	1.5"	Ø6.25 0/-0.001	1 1/2	1	6.65"	22261lbs



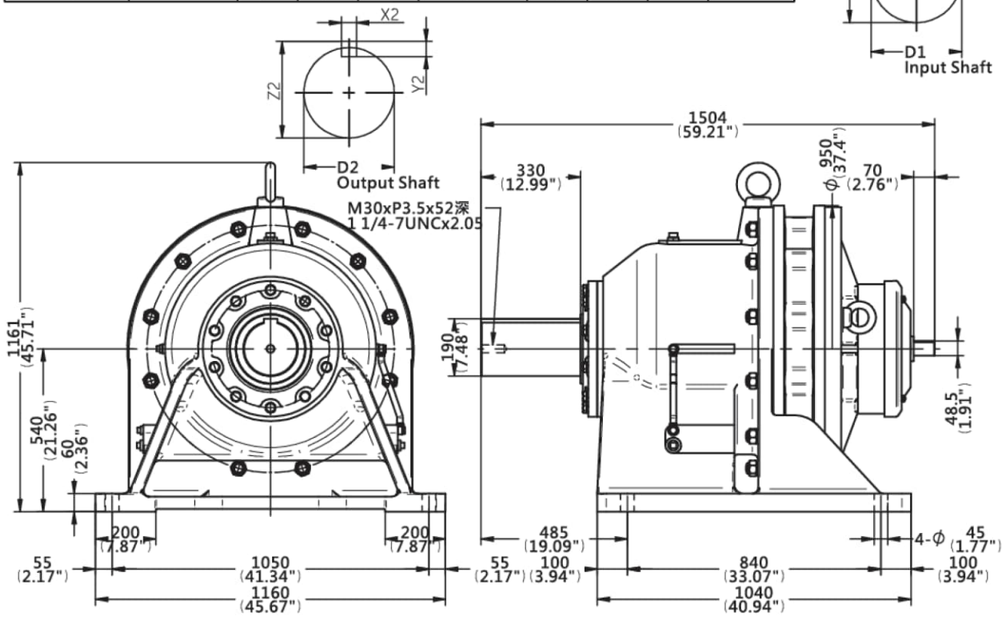
825/19	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-825/19-□	Ø45 h6	14	9	48.5	Ø160 h6	40	22	169	1087kg
THH-825/19-□-I	Ø1.75 0/-0.0006	3/8	3/8	1.91"	Ø6.25 0/-0.001	1 1/2	1	6.65"	2391lbs



826/19	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-826/19-□	Ø45 h6	14	9	48.5	Ø170 h6	40	22	179	1190kg
THH-826/19-□-I	Ø1.75 0/-0.0006	3/8	3/8	1.91"	Ø6.625 0/-0.001	1 3/4	1 1/4	7.05"	2618lbs



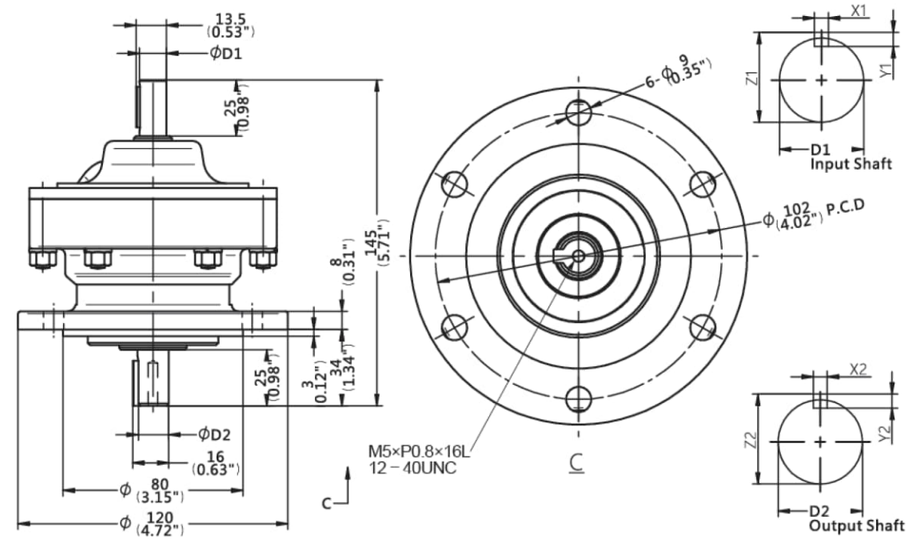
827/19	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
THH-827/19-□	Ø45 h6	14	9	48.5	Ø180 h6	45	25	190	2483kg
THH-827/19-□-I	Ø1.75 0/-0.0006	3/8	3/8	1.91"	Ø7 0/-0.001	1 3/4	1 1/4	7.48"	5463lbs



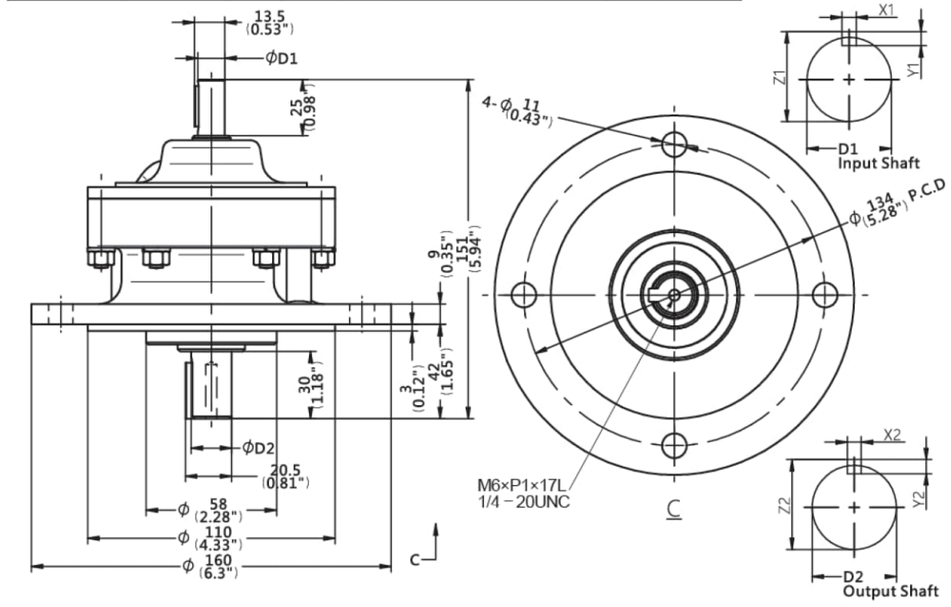
DIMENSION DRAWINGS

For Single Stage Reduction, Vertical TRANSCYKO Speed Reducers

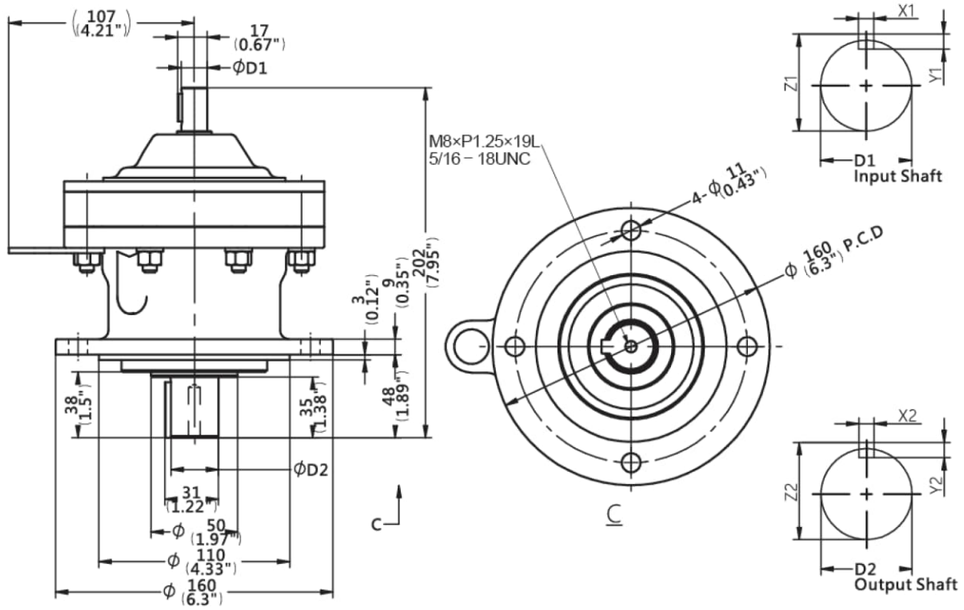
807	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TV-807-□	Ø12 h6	4	4	13.5	Ø14 h6	5	5	16	3.6kg
TV-807-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø0.5 0/-0.0004	1/2	1/2	0.63"	8lbs



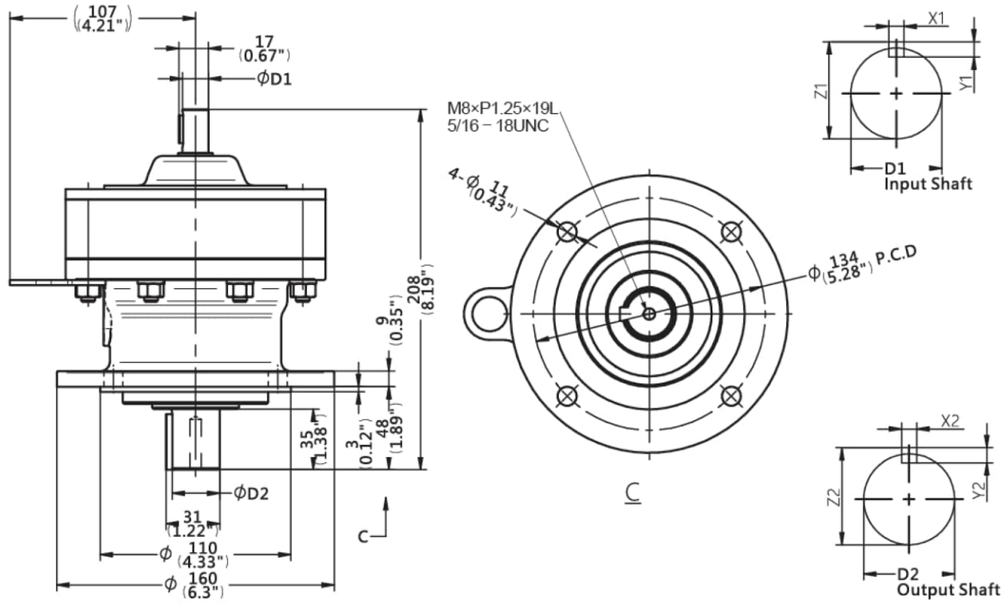
808	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TV-808-□	Ø12 h6	4	4	13.5	Ø14 h6	6	6	20.5	4.5kg
TV-808-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø0.75 0/-0.0005	1/2	1/2	0.81"	9.9lbs



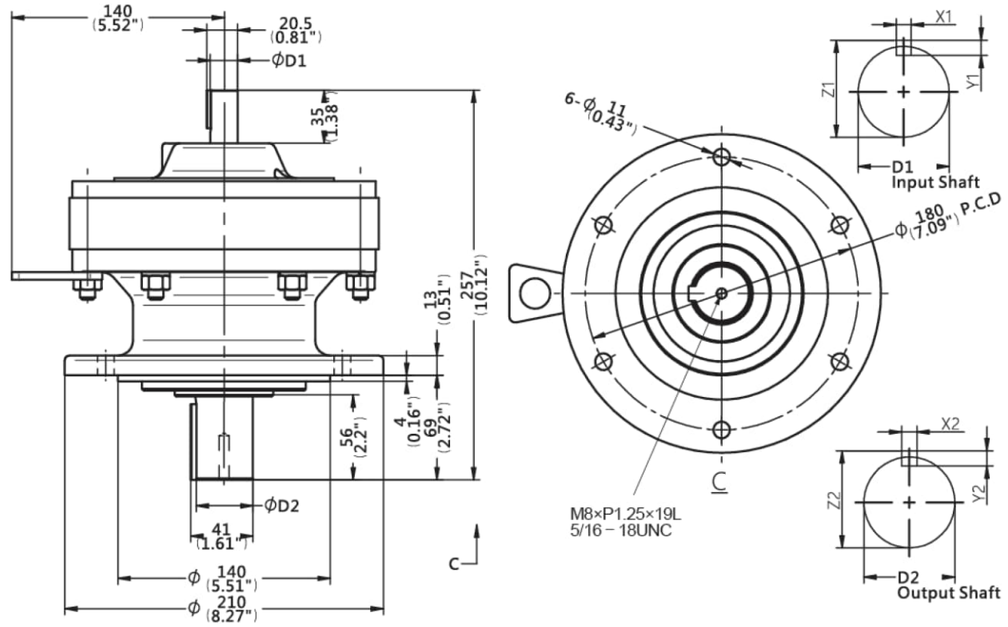
809	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TV-809-□	Ø15 h6	5	5	17	Ø28 h6	8	7	31	9kg
TV-809-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø1.125 0/-0.0005	1/4	1/4	1.22"	20lbs



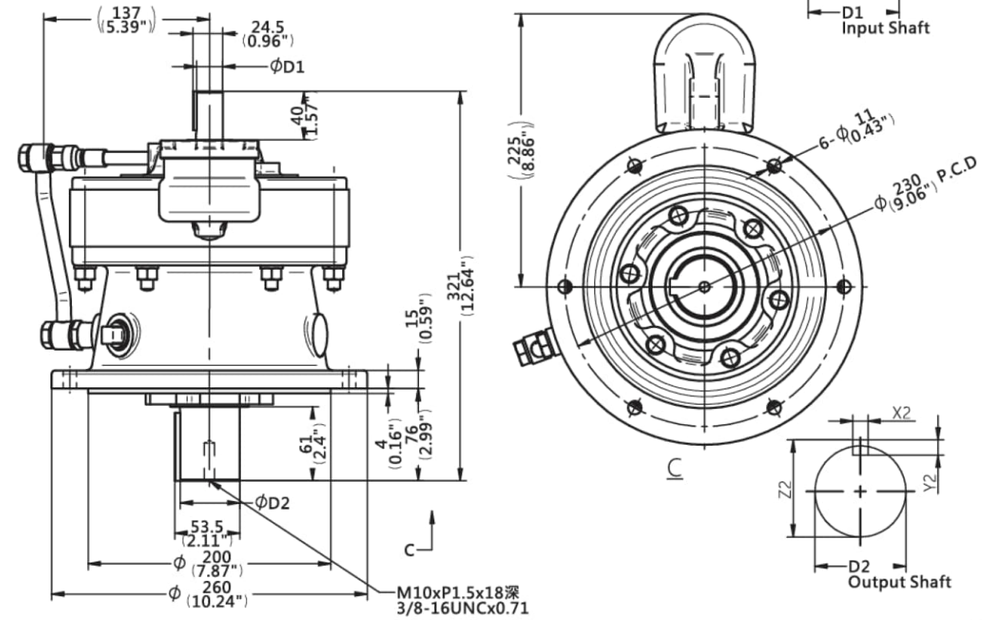
810	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TV-810-□	Ø15 h6	5	5	17	Ø28 h6	8	7	31	12kg
TV-810-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø1.125 0/-0.0005	1/4	1/4	1.22"	26lbs



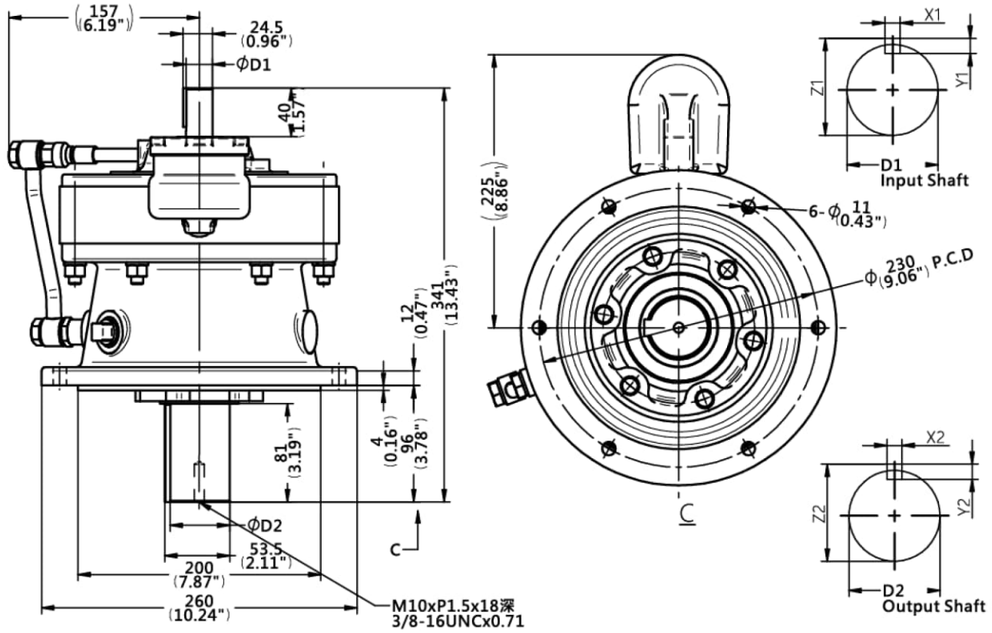
812	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TV-812-□	Ø18 h6	6	6	20.5	Ø38 h6	10	8	41	25kg
TVH-812-□-I	Ø0.75 0/-0.0005	3/16	3/16	0.81"	Ø1.5 0/-0.0006	3/8	3/8	1.61"	55lbs



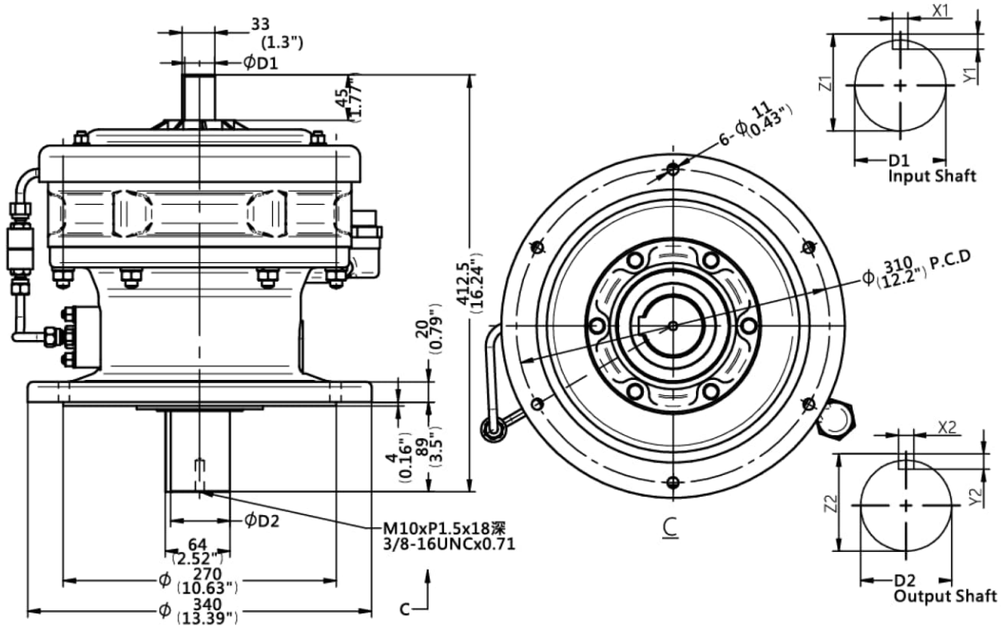
813	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-813-□	Ø22 h6	6	6	24.5	Ø50 h6	14	9	53.5	43kg
TDV-813-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.96"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	95lbs



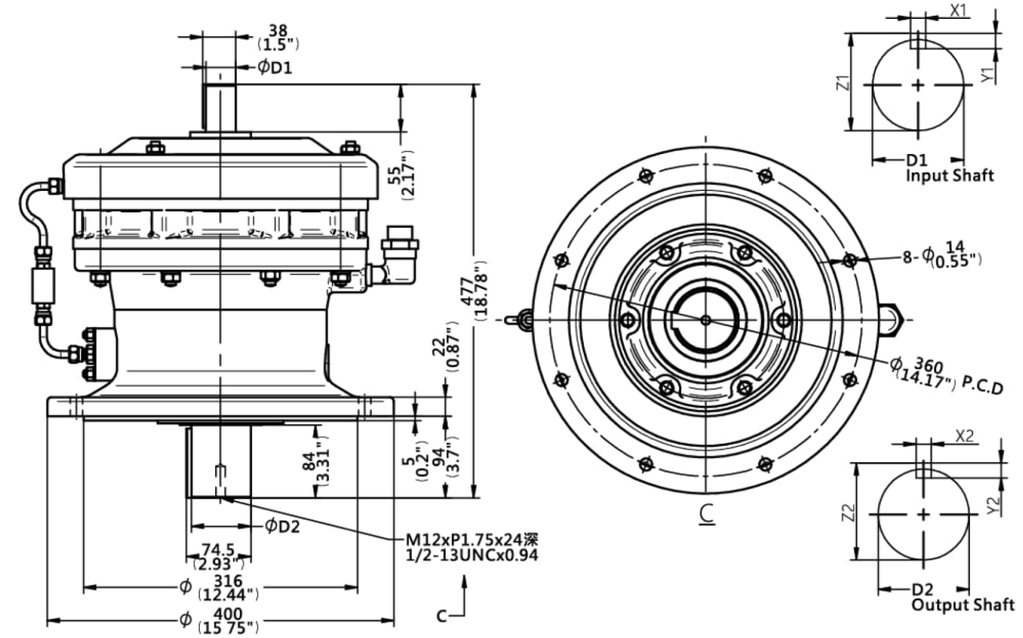
814	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-814-□	Ø22 h6	6	6	24.5	Ø50 h6	14	9	53.5	43kg
TDV-814-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.96"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	95lbs



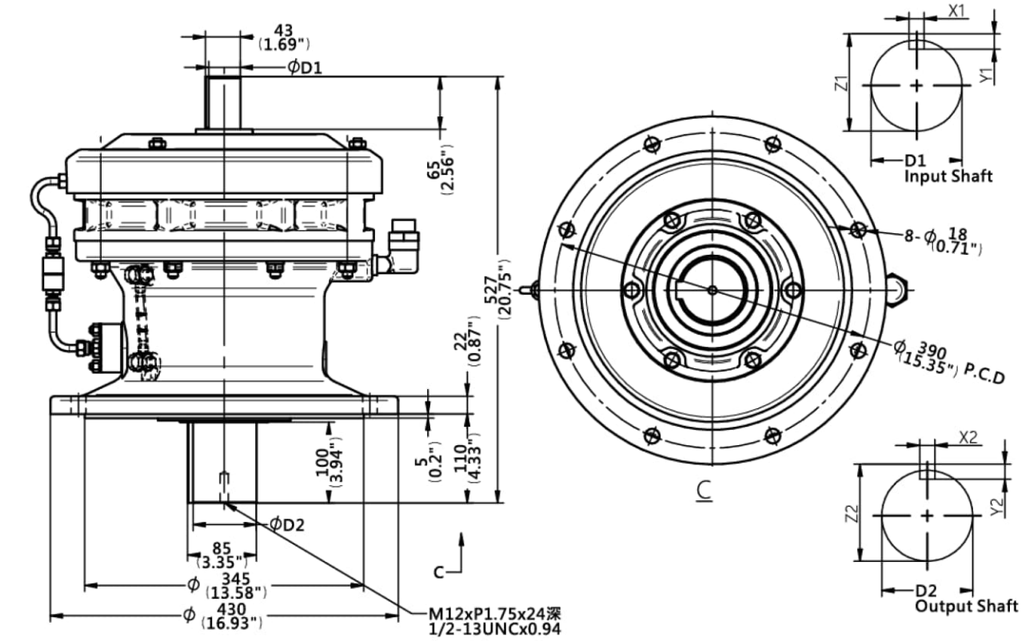
816	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-816-□	Ø30 h6	8	7	33	Ø60 h6	18	11	64	80kg
TDV-816-□-I	Ø1.125 0/-0.0005	1/4	1/4	1.3"	Ø2.25 0/-0.0007	1/2	1/2	2.52"	176lbs



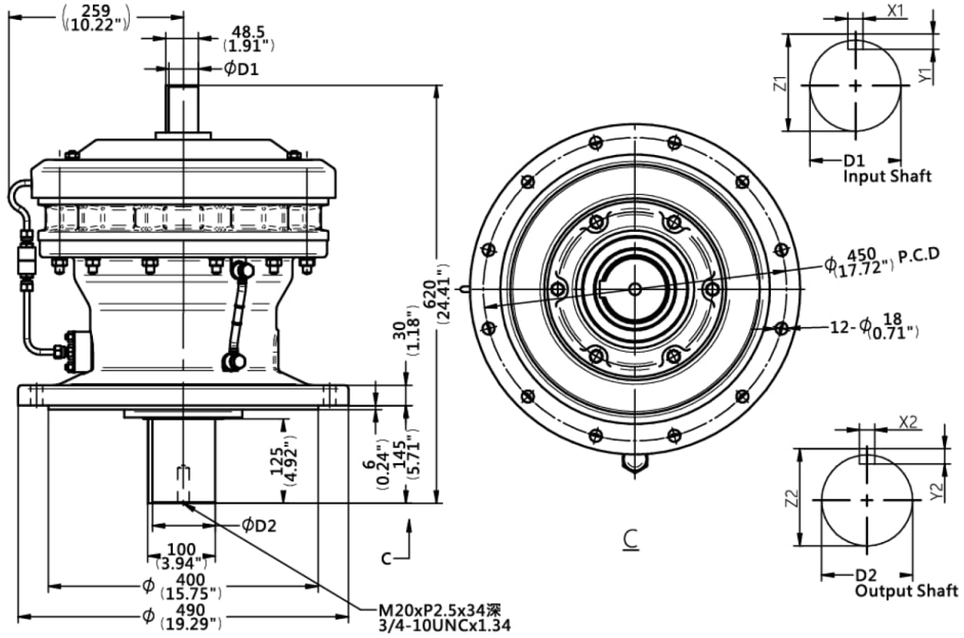
817	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-817-□	Ø35 h6	10	8	38	Ø70 h6	20	12	74.5	125kg
TDV-817-□-I	Ø1.375 0/-0.0006	5/16	5/16	1.5"	Ø2.75 0/-0.0007	5/8	5/8	2.93"	275lbs



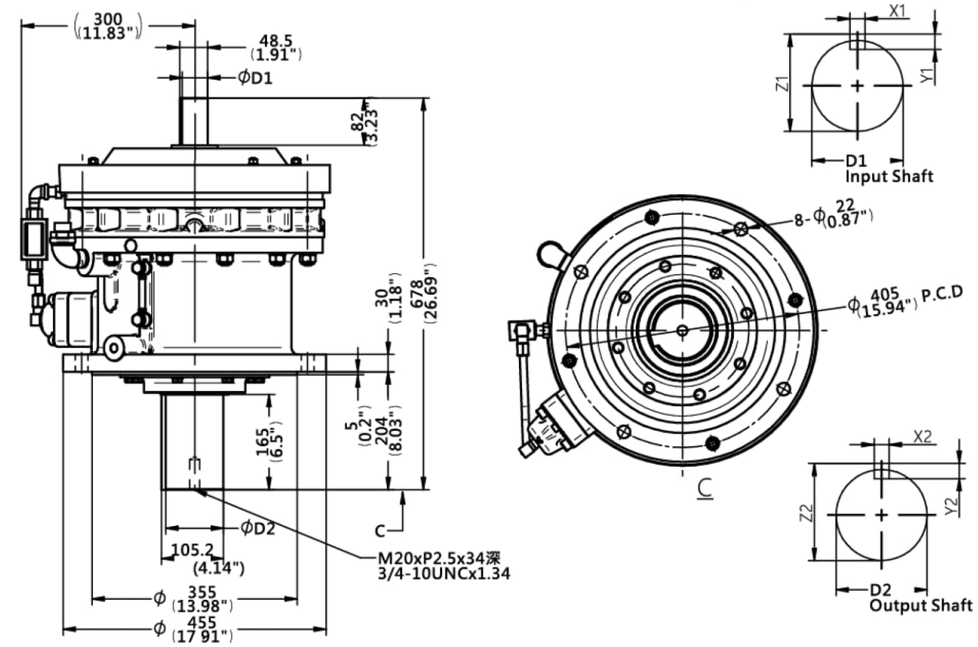
818	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-818-□	Ø40 h6	12	8	43	Ø80 h6	22	14	85	162kg
TDV-818-□-I	Ø1.5 0/-0.0006	3/8	3/8	1.69"	Ø3.125 0/-0.0007	3/4	3/4	3.35"	356lbs



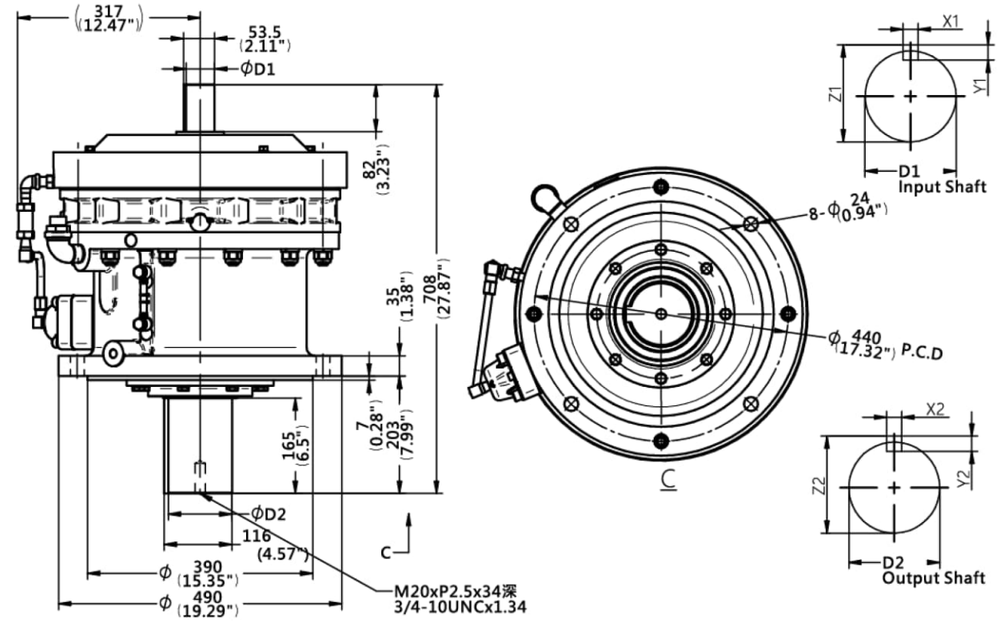
819	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-819-□	Ø45 h6	14	9	48.5	Ø95 h6	25	14	100	226kg
TDV-819-□-I	Ø1.75 0/-0.0006	3/8	3/8	1.91"	Ø3.625 0/-0.0009	7/8	7/8	3.94"	497lbs



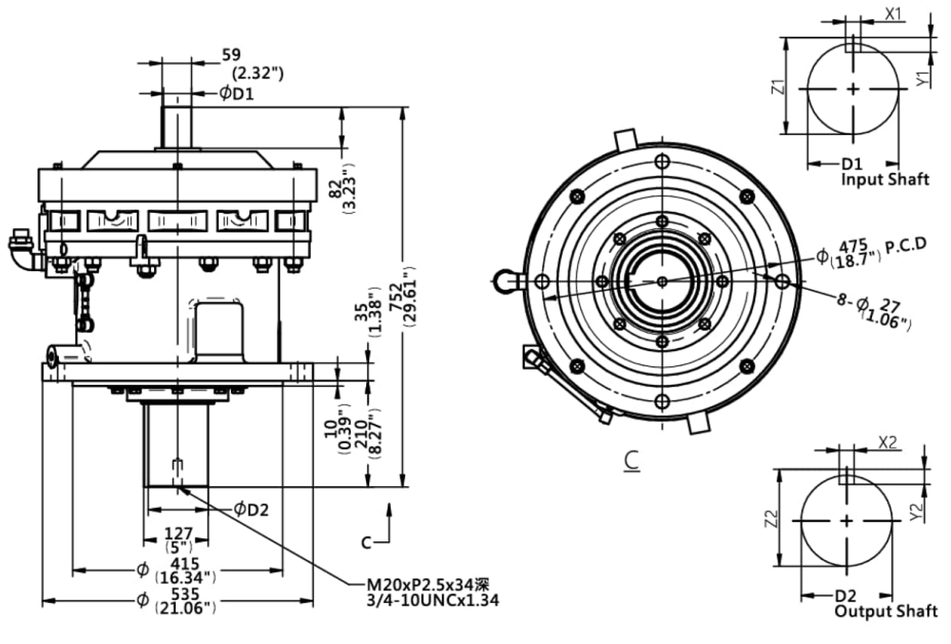
820	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-820-□	Ø45 h6	14	9	48.5	Ø100 h6	28	16	105.2	256kg
TDV-820-□-I	Ø1.75 0/-0.0006	3/8	3/8	1.91"	Ø3.875 0/-0.0009	1	1	4.14"	563lbs



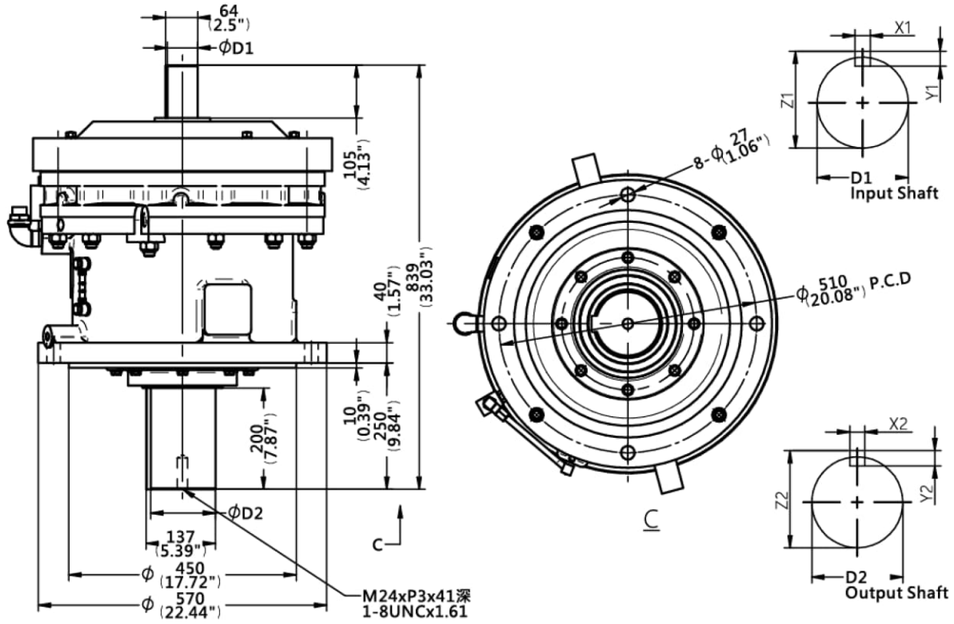
821	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-821-□	Ø50 h6	14	9	53.5	Ø110 h6	28	16	116	315kg
TDV-821-□-I	Ø1.875 0/-0.0006	1/2	1/2	2.11"	Ø4.25 0/-0.0009	1	1	4.57"	693lbs



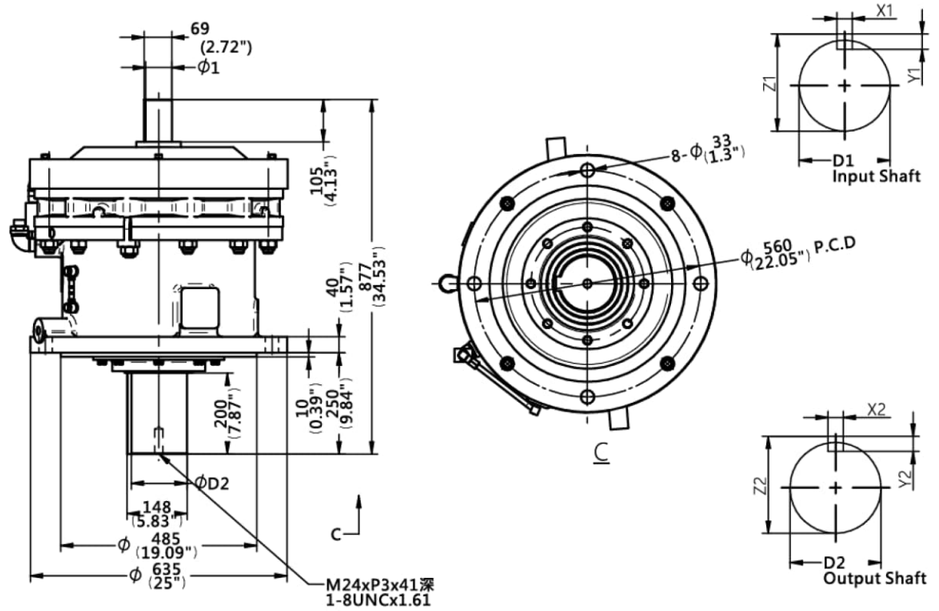
822	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-822-□	Ø55 h6	16	10	59	Ø120 h6	32	18	127	398kg
TDV-822-□-I	Ø2.125 0/-0.0007	1/2	1/2	2.32"	Ø4.625 0/-0.0009	1 1/4	7/8	5"	876lbs



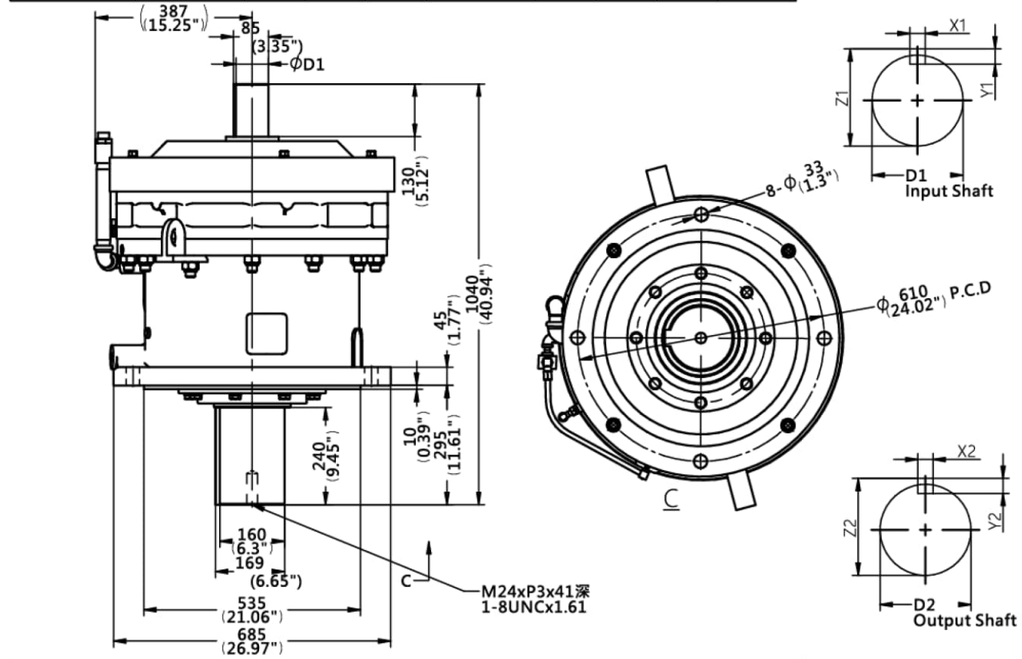
823	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-823-□	Ø60 h6	18	11	64	Ø130 h6	32	18	137	475kg
TDV-823-□-I	Ø2.25 0/-0.0007	1/2	1/2	2.52"	Ø5 0/-0.001	1 1/4	7/8	5.39"	1045lbs



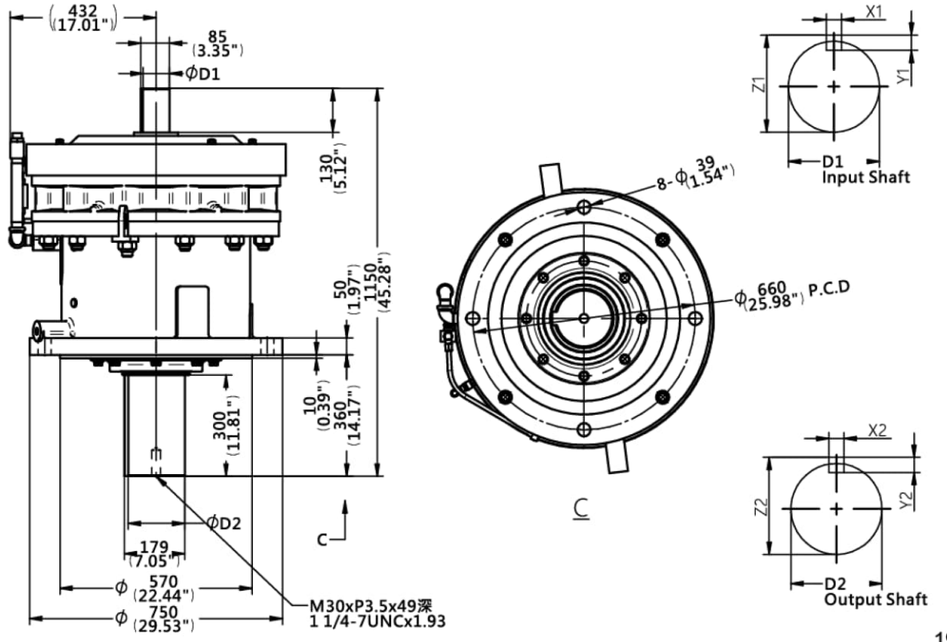
824	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-824-□	Ø65 h6	18	11	69	Ø140 h6	36	20	148	570kg
TDV-824-□-I	Ø2.5 0/-0.0007	5/8	5/8	2.72"	Ø5.5 0/-0.001	1 1/4	7/8	5.83"	1254lbs



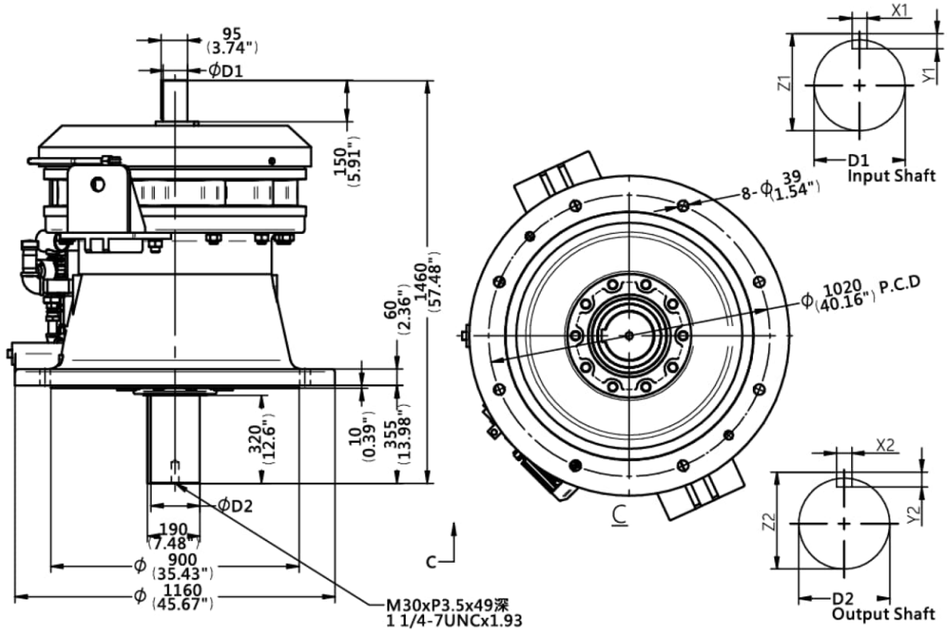
825	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-825-□	Ø80 h6	22	14	85	Ø160 h6	40	22	169	866kg
TDV-825-□-I	Ø3.125 0/-0.0007	3/4	3/4	3.35"	Ø6.25 0/-0.001	1 1/2	1	6.65"	1905lbs



826	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-826-□	Ø80 h6	22	14	85	Ø170 h6	40	22	179	1125kg
TDV-826-□-I	Ø3.125 0/-0.0007	3/4	3/4	3.35"	Ø6.625 0/-0.001	1 3/4	1 1/4	7.05"	2475lbs

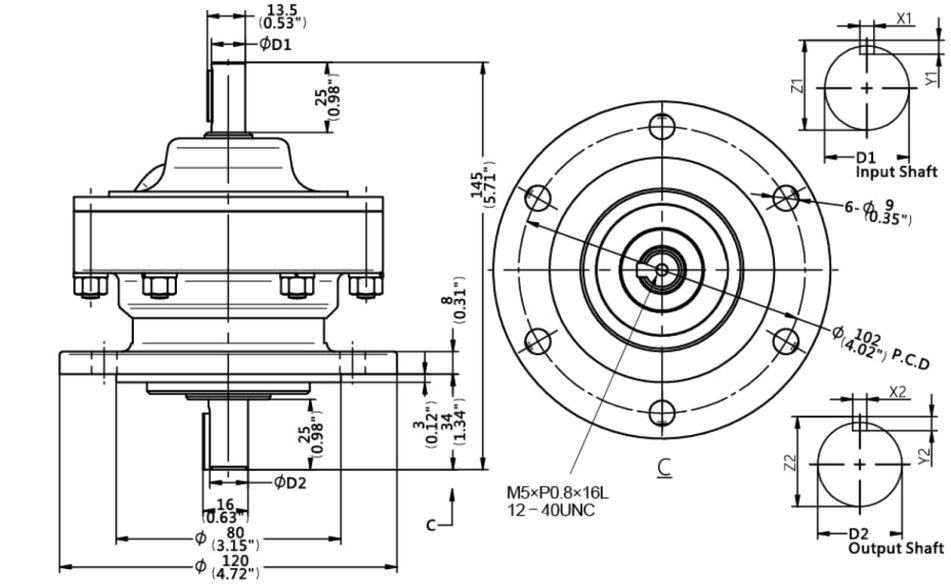


827	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-827-□	Ø90 h6	25	14	95	Ø180 h6	45	25	190	2611kg
TDV-827-□-I	Ø3.5 0/-0.0009	7/8	7/8	3.5"	Ø7 0/-0.001	1 3/4	1 1/4	7.48"	5744lbs

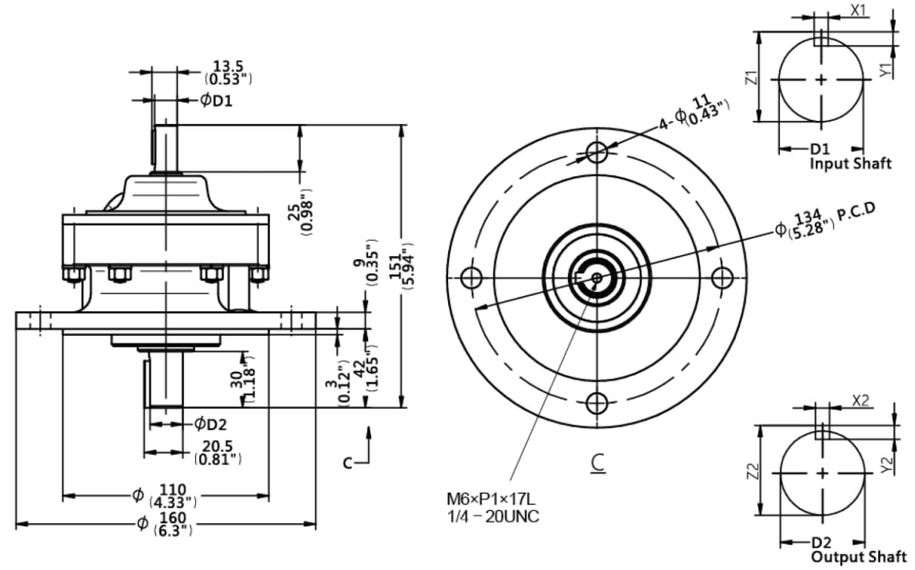


DIMENSION DRAWINGS For Double Stage Reduction, Vertical TRANSCYKO Speed Reducers

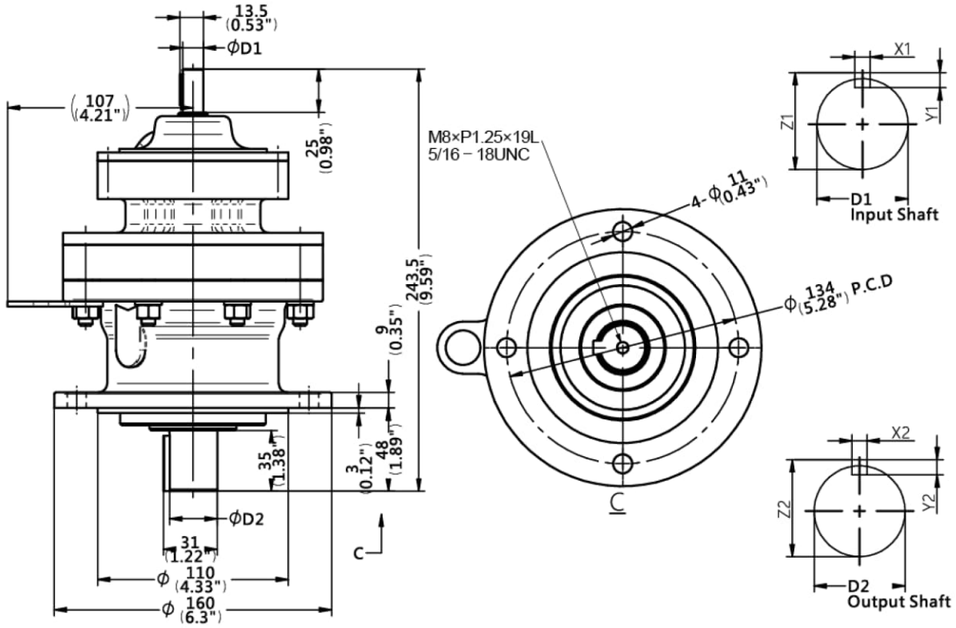
807/07	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TV-807/07-□	Ø12 h6	4	4	13.5	Ø14 h6	5	5	16	5kg
TV-807/07-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø0.5 0/-0.0004	1/2	1/2	0.63"	11lbs



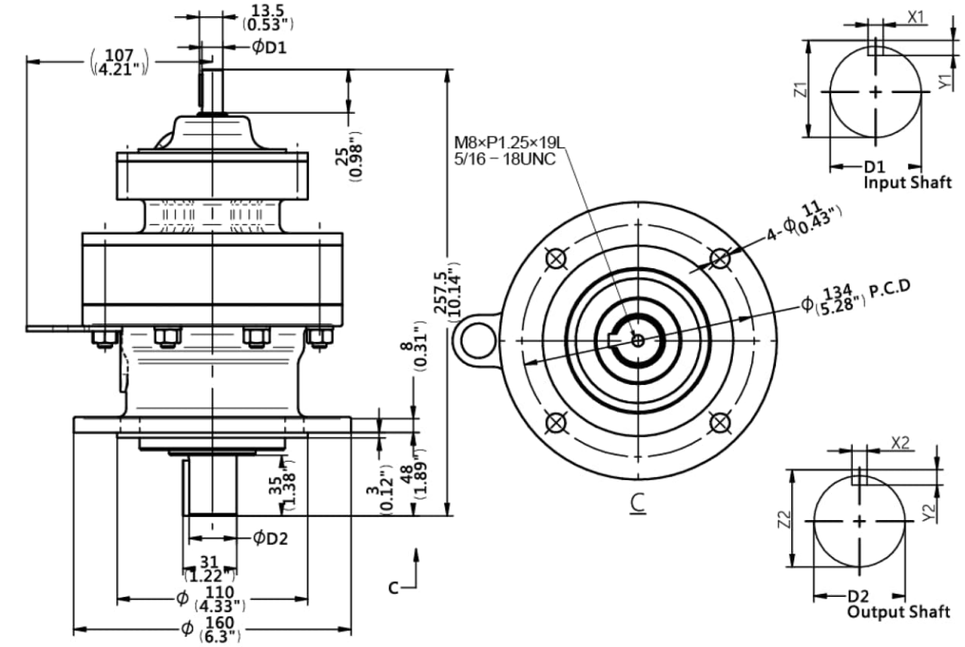
808/07	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TV-808/07-□	Ø12 h6	4	4	13.5	Ø14 h6	6	6	20.5	6.7kg
TV-808/07-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø0.75 0/-0.0005	1/2	1/2	0.81"	14.7lbs



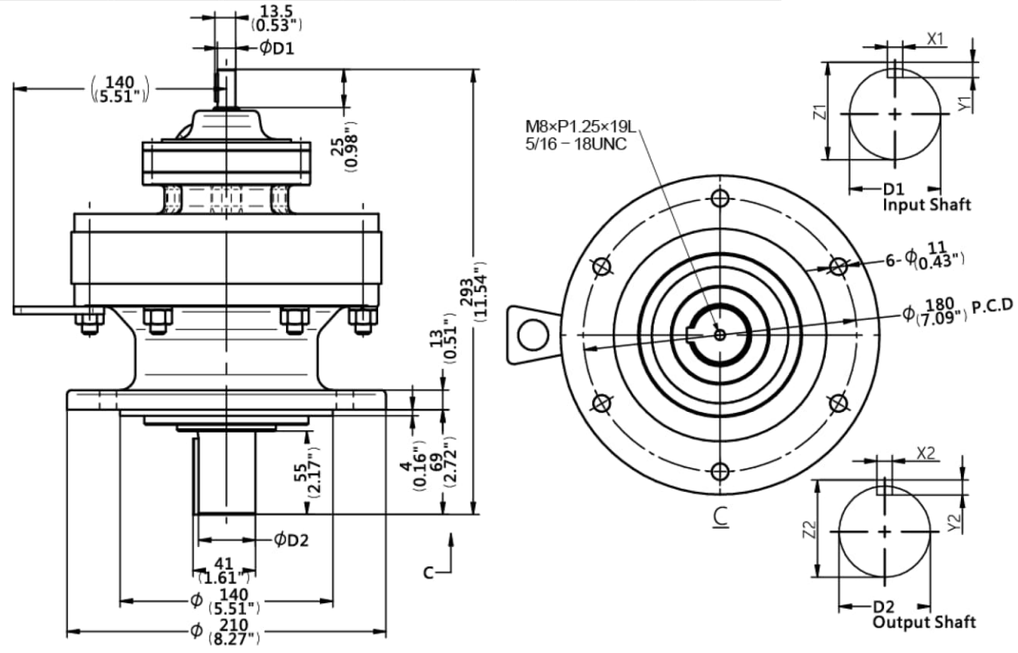
809/08	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TV-809/08-□	Ø12 h6	4	4	13.5	Ø28 h6	8	7	31	11kg
TV-809/08-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø1.125 0/-0.0005	1/4	1/4	1.22"	24lbs



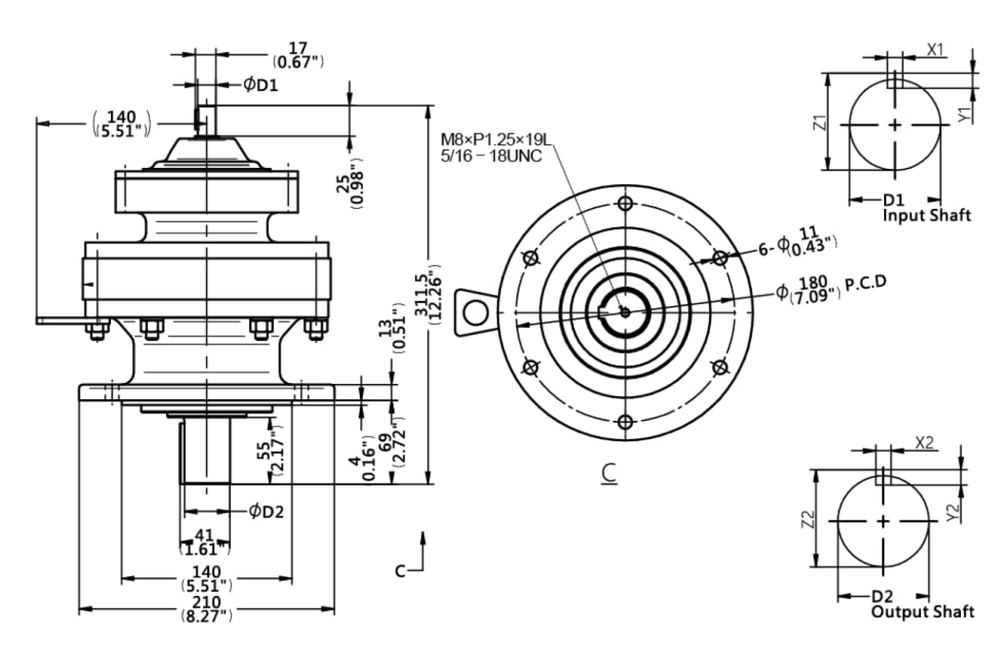
810/08	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TV-810/08-□	Ø12 h6	4	4	13.5	Ø28 h6	8	7	31	13kg
TV-810/08-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø1.125 0/-0.0005	1/4	1/4	1.22"	28.6lbs



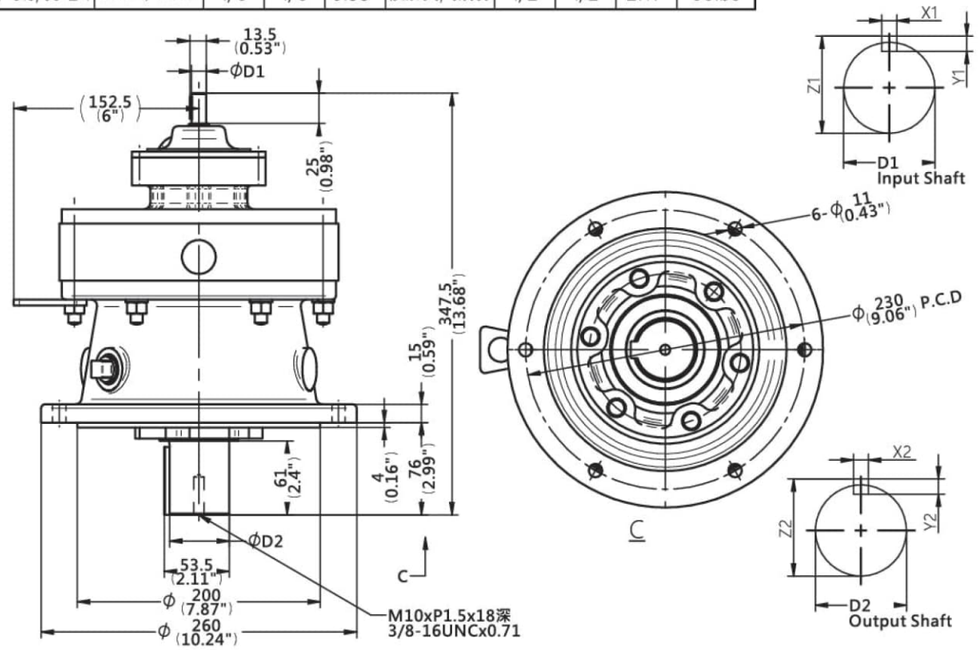
812/08	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TV-812/08-□	Ø12 h6	4	4	13.5	Ø38 h6	10	8	41	25kg
TV-812/08-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø1.5 0/-0.0006	3/8	3/8	1.61"	55lbs



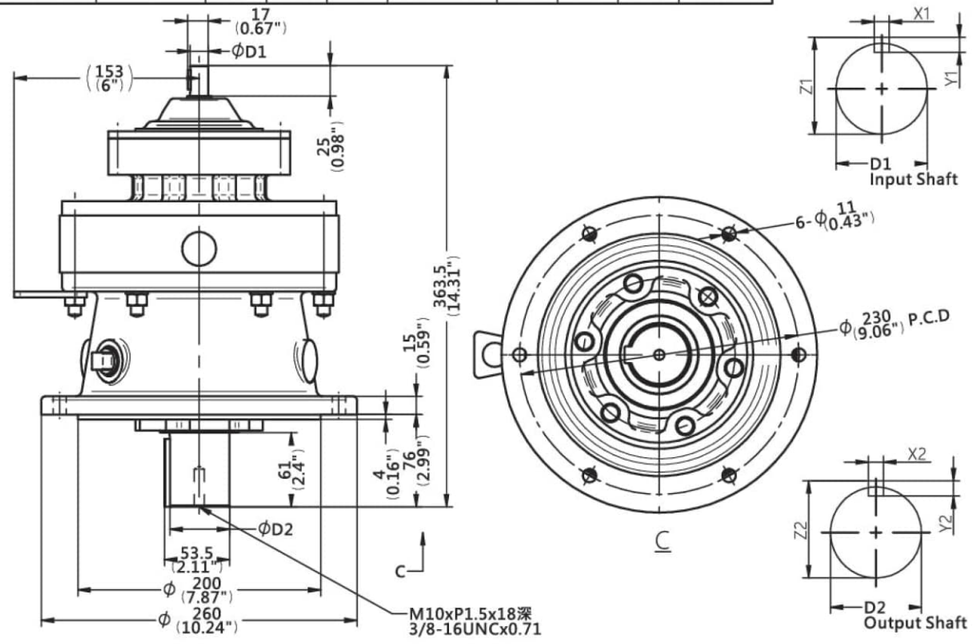
812/09	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TV-812/09-□	Ø15 h6	5	5	17	Ø38 h6	10	8	41	30kg
TV-812/09-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø1.5 0/-0.0006	3/8	3/8	1.61"	66lbs



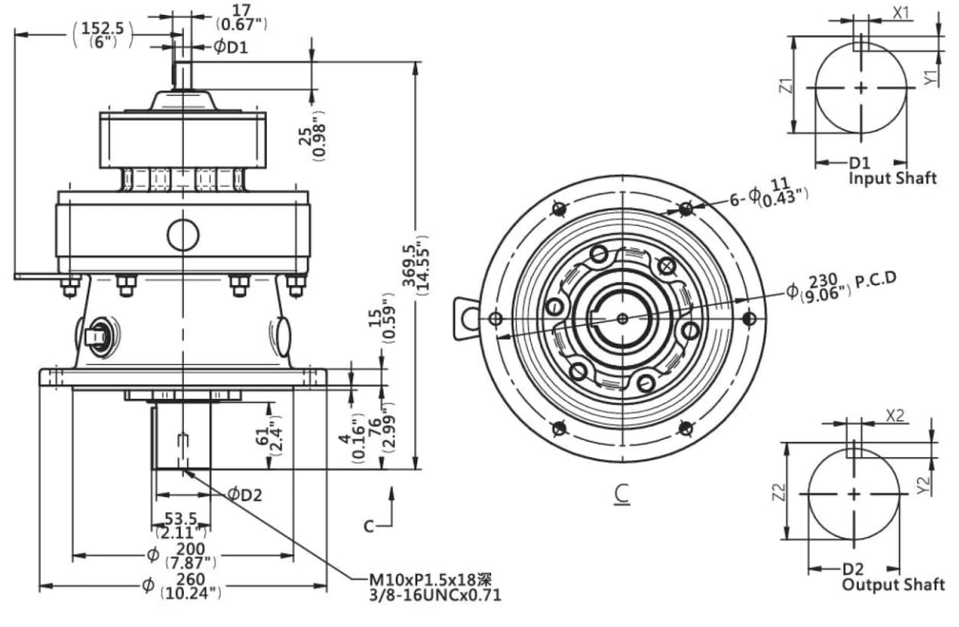
813/08	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-813/08-□	Ø12 h6	4	4	13.5	Ø50 h6	14	9	53.5	40kg
TDV-813/08-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	88lbs



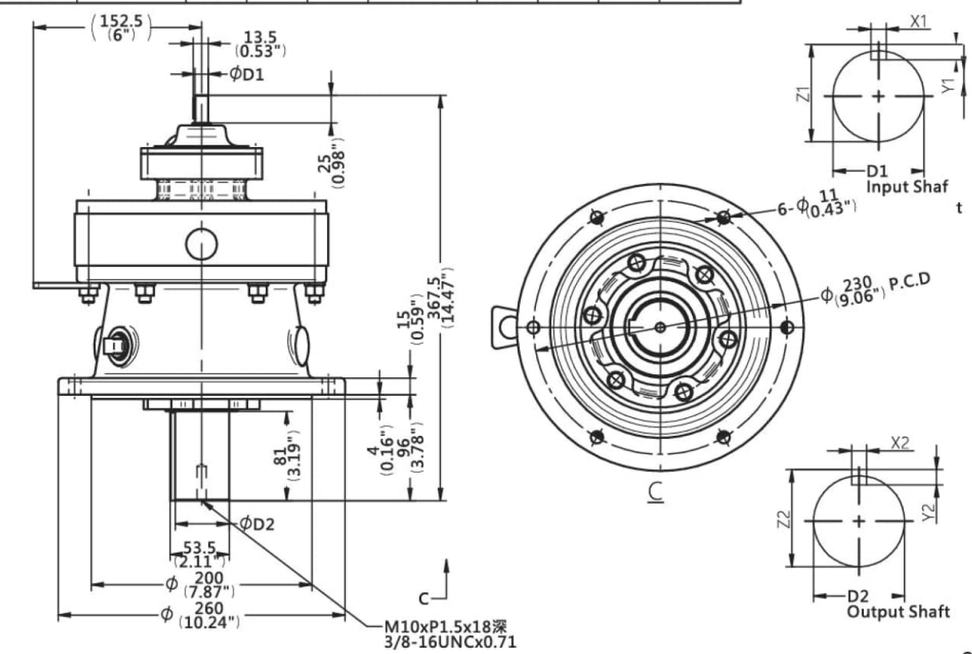
813/09	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-813/09-□	Ø15 h6	5	5	17	Ø50 h6	14	9	53.5	43kg
TDV-813/09-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	94.71lbs



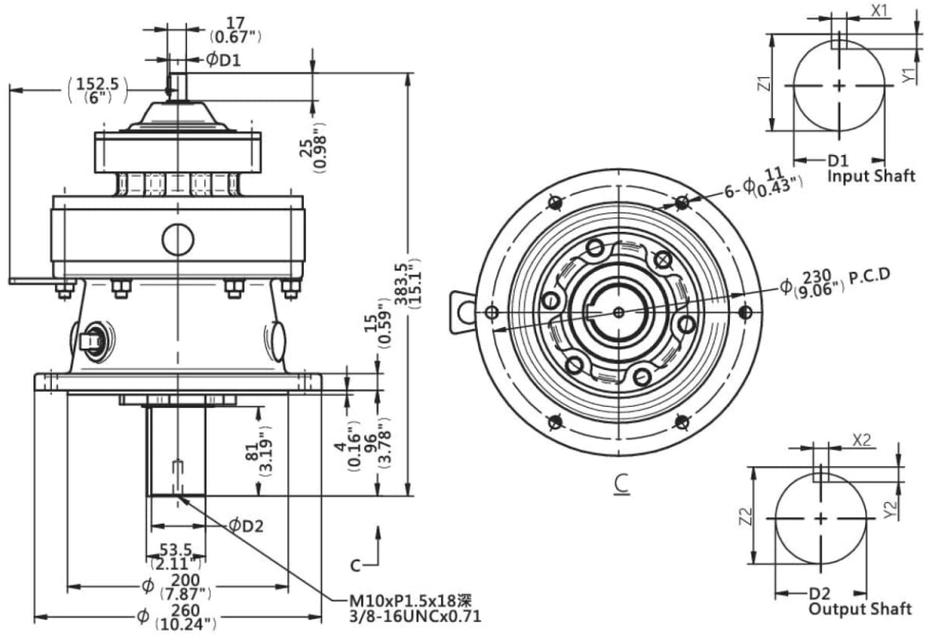
813/10	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-813/10-□	Ø15 h6	5	5	17	Ø50 h6	14	9	53.5	44kg
TDV-813/10-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	97lbs



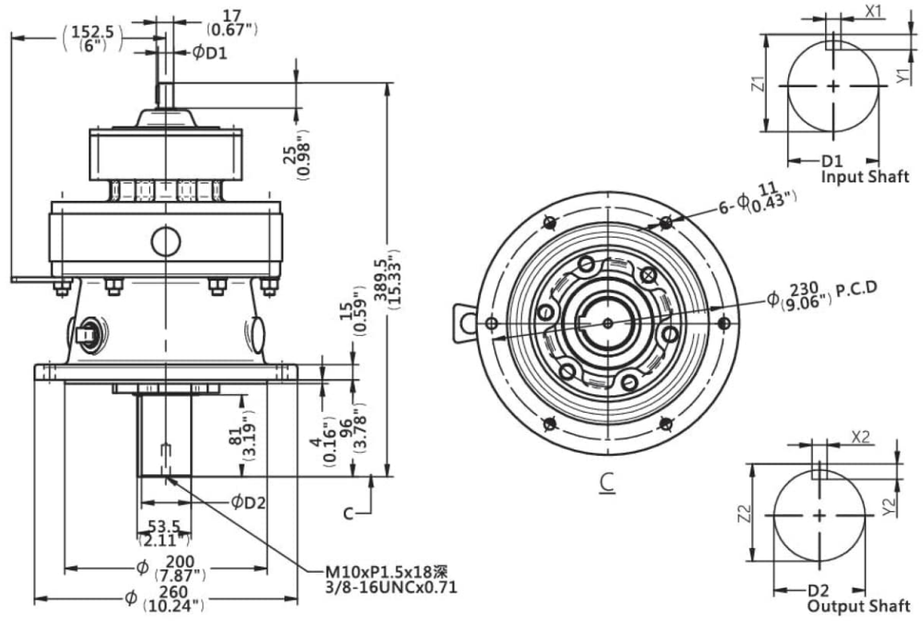
814/08	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-814/08-□	Ø12 h6	4	4	13.5	Ø50 h6	14	9	53.5	40kg
TDV-814/08-□-I	Ø0.5 0/-0.0004	1/8	1/8	0.53"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	88lbs



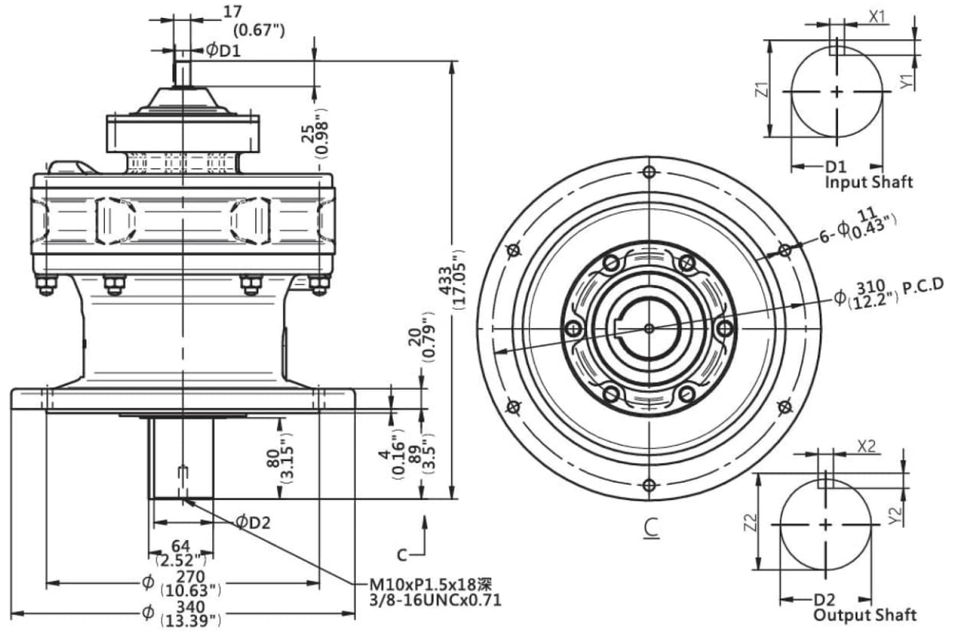
814/09	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-814/09-□	Ø15 h6	5	5	17	Ø50 h6	14	9	53.5	43kg
TDV-814/09-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	94.71lbs



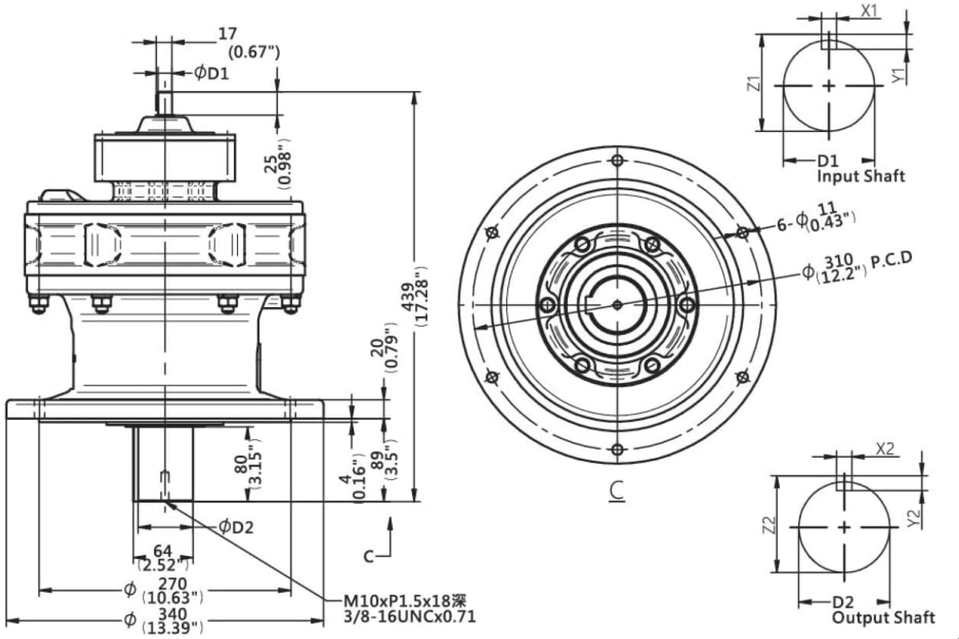
814/10	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-814/10-□	Ø15 h6	5	5	17	Ø50 h6	14	9	53.5	44kg
TDV-814/10-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø1.875 0/-0.0006	1/2	1/2	2.11"	97lbs



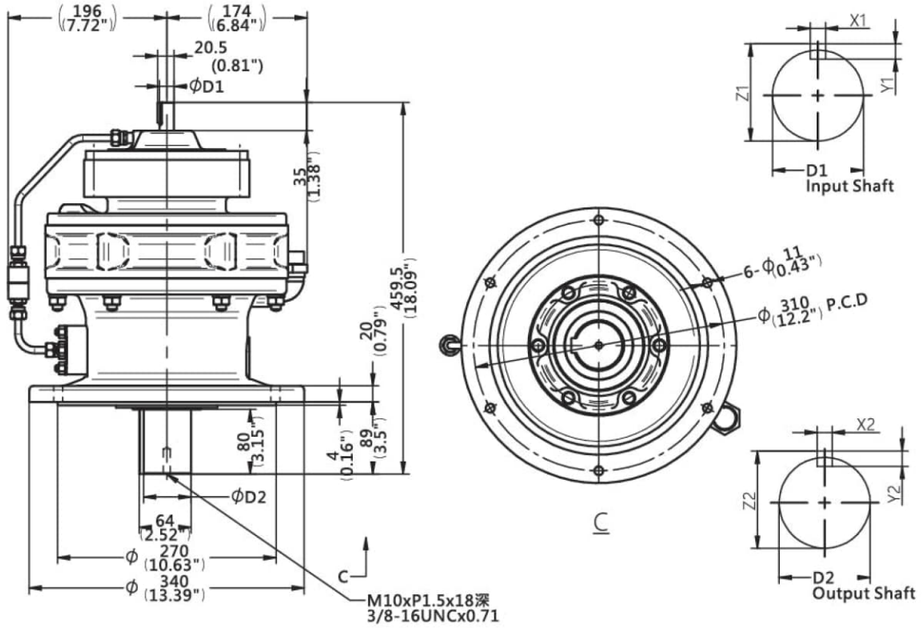
816/09	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-816/09-□	Ø15 h6	5	5	17	Ø60 h6	18	11	64	80kg
TDV-816/09-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø2.25 0/-0.0007	1/2	1/2	2.52"	176lbs



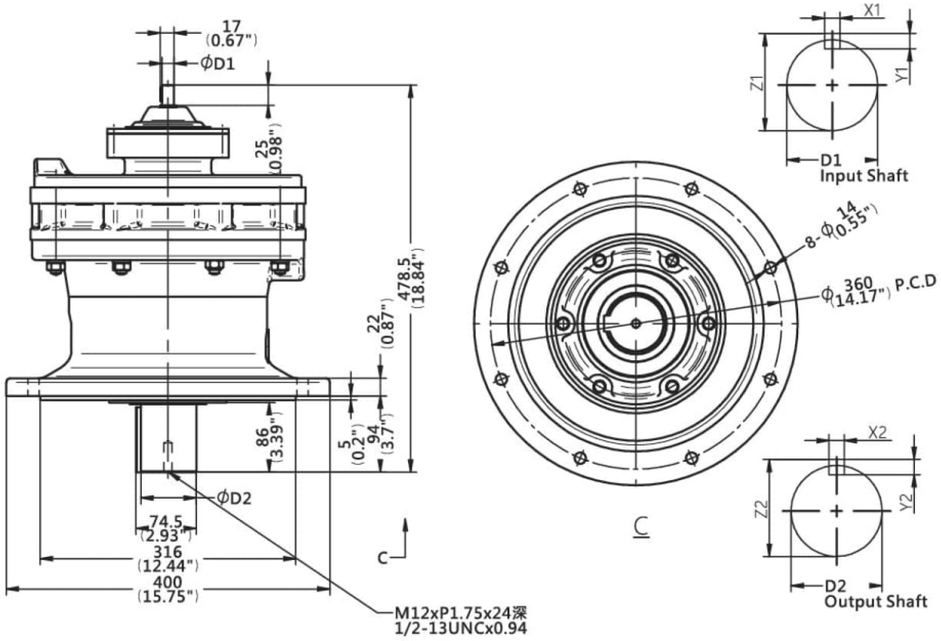
816/10	Input Shaft				Output Shaft				重量 Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-816/10-□	Ø15 h6	5	5	17	Ø60 h6	18	11	64	82kg
TDV-816/10-□-I	Ø0.25 0/-0.0004	3/16	3/16	0.67"	Ø2.25 0/-0.0007	1/2	1/2	2.52"	181lbs



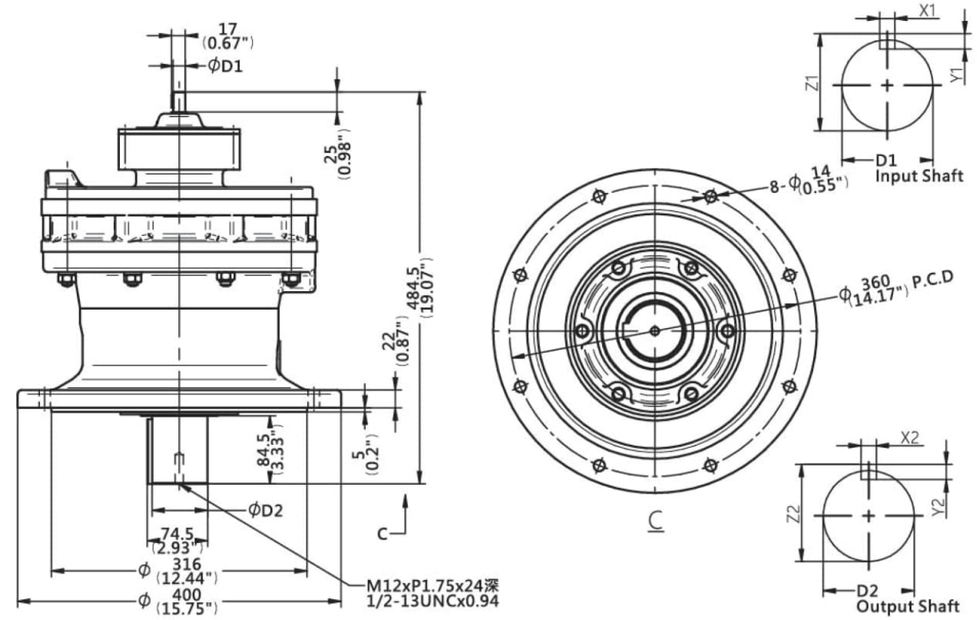
816/12	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-816/12-□	Ø18 h6	6	6	20.5	Ø60 h6	18	11	64	85kg
TDV-816/12-□-I	Ø0.75 0/-0.0005	3/16	3/16	0.81"	Ø2.25 0/-0.0007	1/2	1/2	2.52"	187lbs



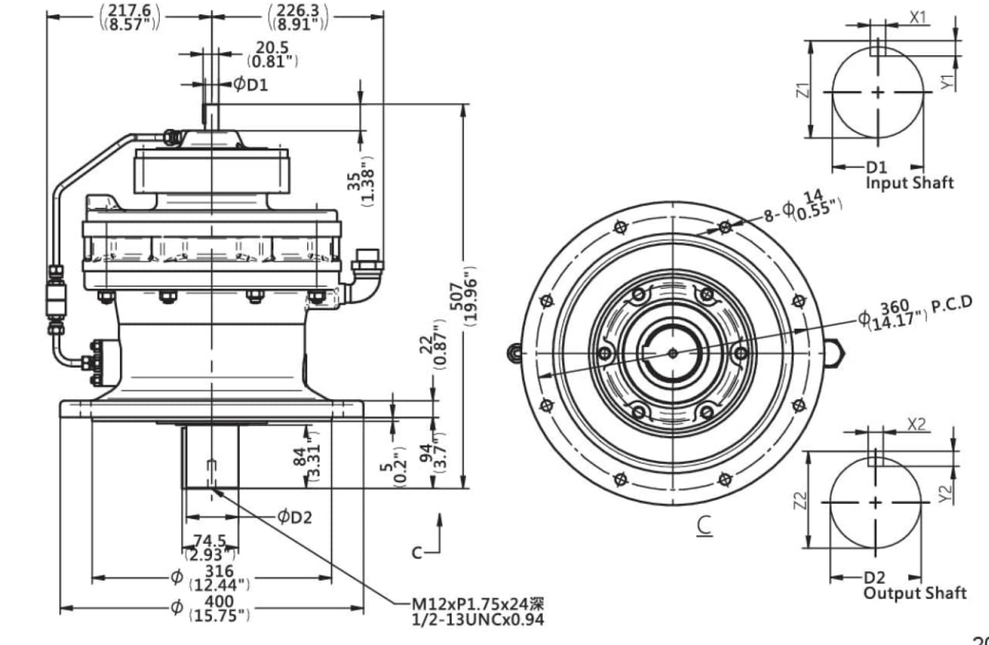
817/09	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-817/09-□	Ø15 h6	5	5	38	Ø70 h6	20	12	74.5	115kg
TDV-817/09-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	%D2.75 0/-0.0007	5/8	5/8	2.93"	253lbs



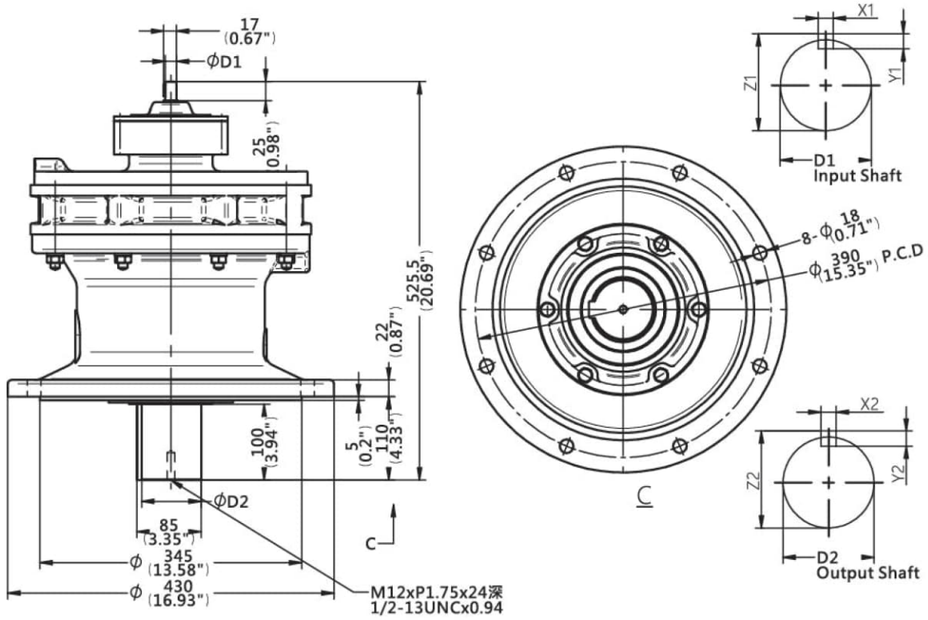
817/10	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-817/10-□	Ø15 h6	5	5	17	Ø70 h6	20	12	74.5	117kg
TDV-817/10-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø2.75 0/-0.0007	5/8	5/8	2.93"	258lbs



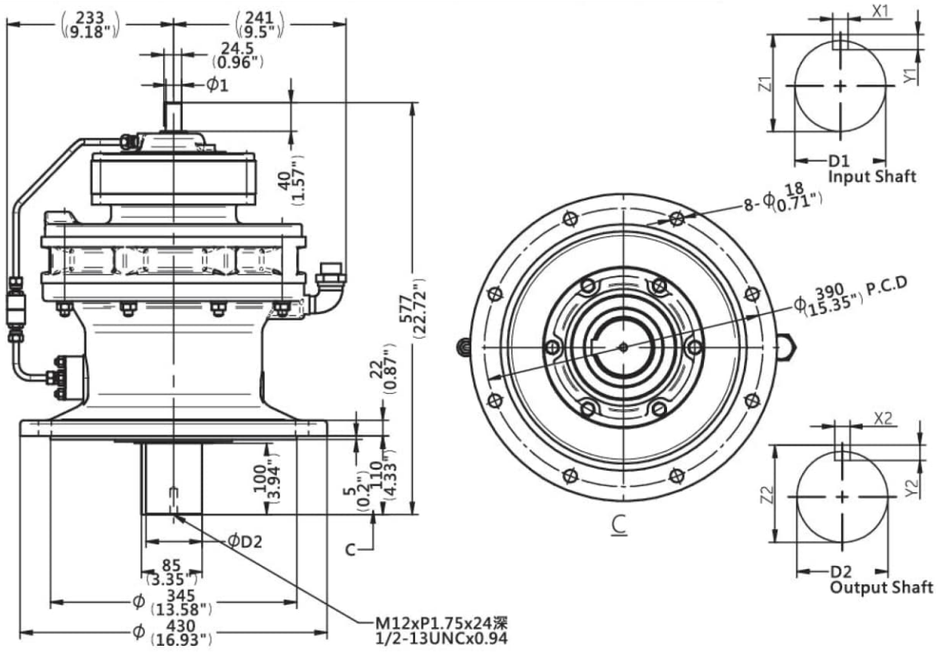
817/12	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-817/12-□	Ø18 h6	6	6	20.5	Ø70 h6	20	12	74.5	125kg
TDV-817/12-□-I	Ø0.75 0/-0.0005	3/16	3/16	0.81"	Ø2.75 0/-0.0007	5/8	5/8	2.93"	275lbs



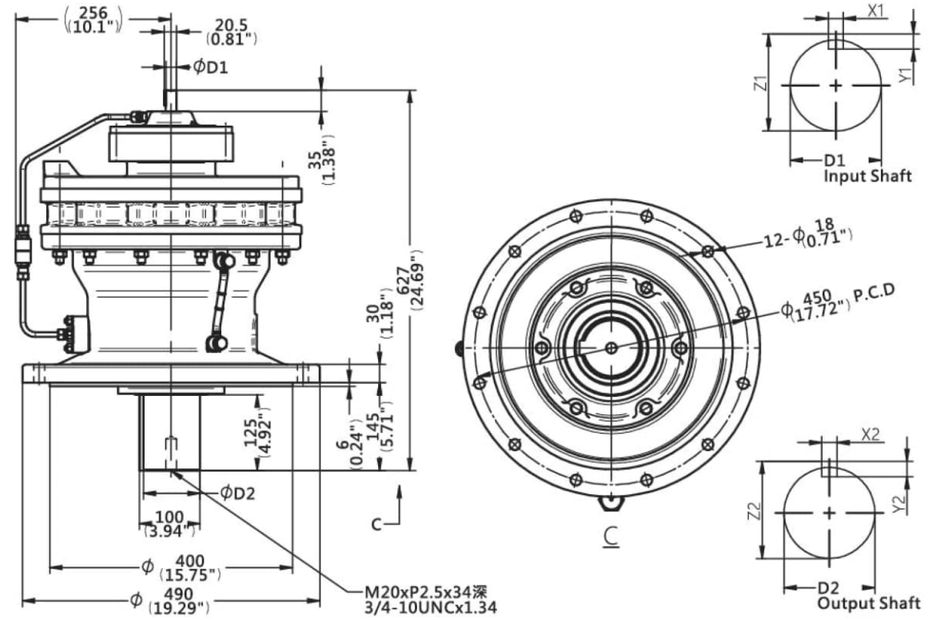
818/10	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-818/10-□	Ø15 h6	5	5	17	Ø80 h6	22	14	85	149kg
TDV-818/10-□-I	Ø0.625 0/-0.0004	3/16	3/16	0.67"	Ø3.125 0/-0.0007	3/4	3/4	3.35"	328lbs



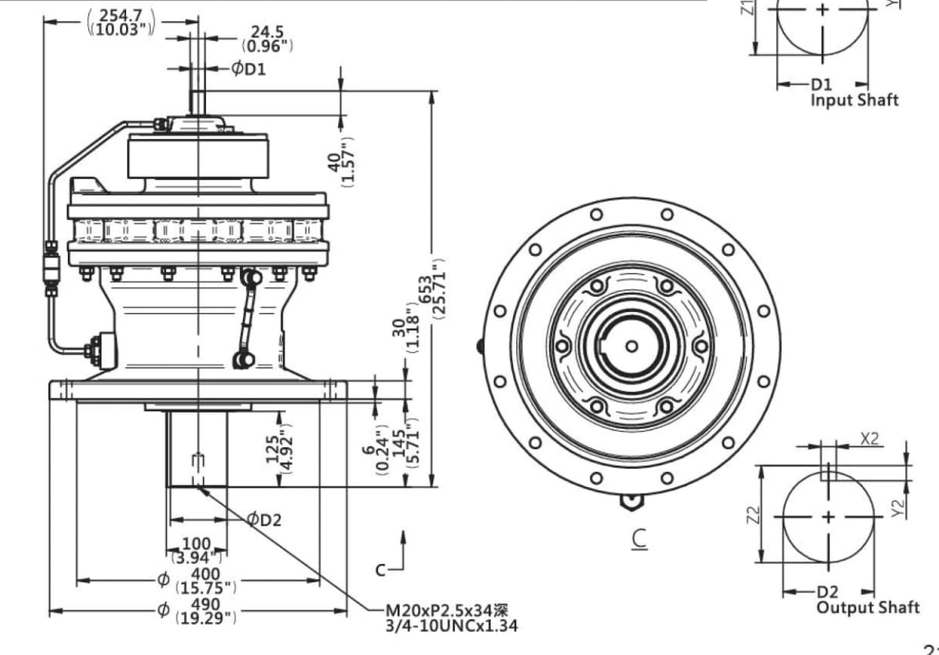
818/13	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-818/13-□	Ø22 h6	6	6	24.5	Ø80 h6	22	14	85	171kg
TDV-818/13-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.96"	Ø3.125 0/-0.0007	3/4	3/4	3.35"	377lbs



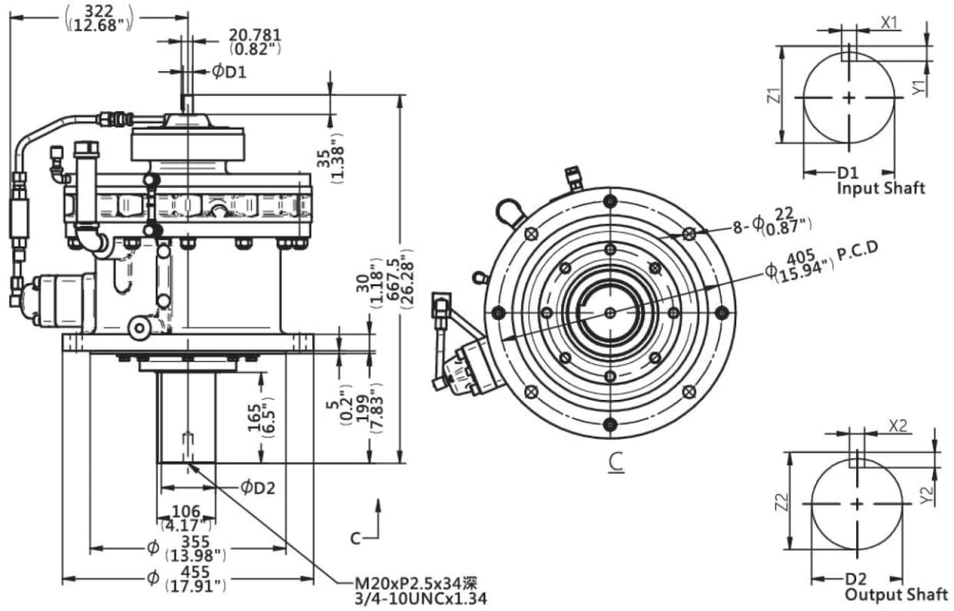
819/12	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-819/12-□	Ø18 h6	6	6	20.5	Ø95 h6	25	14	100	229kg
TDV-819/12-□-I	Ø0.75 0/-0.0005	3/16	3/16	0.81"	Ø3.625 0/-0.0009	7/8	7/8	3.94"	505lbs



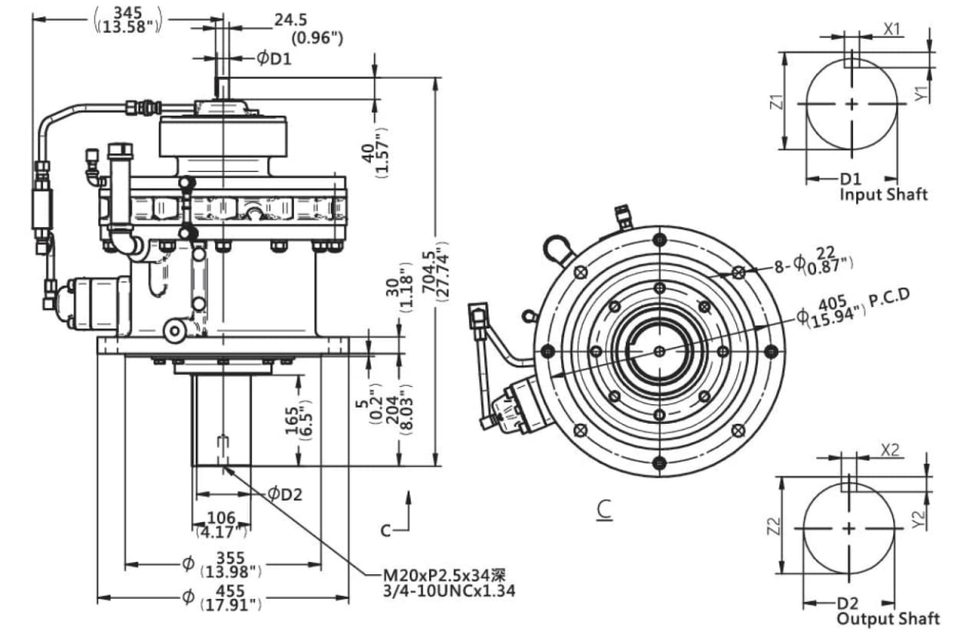
819/13	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-819/13-□	Ø22 h6	6	6	24.5	Ø95 h6	25	14	100	240kg
TDV-819/13-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.96"	Ø3.625 0/-0.0009	7/8	7/8	3.94"	529lbs



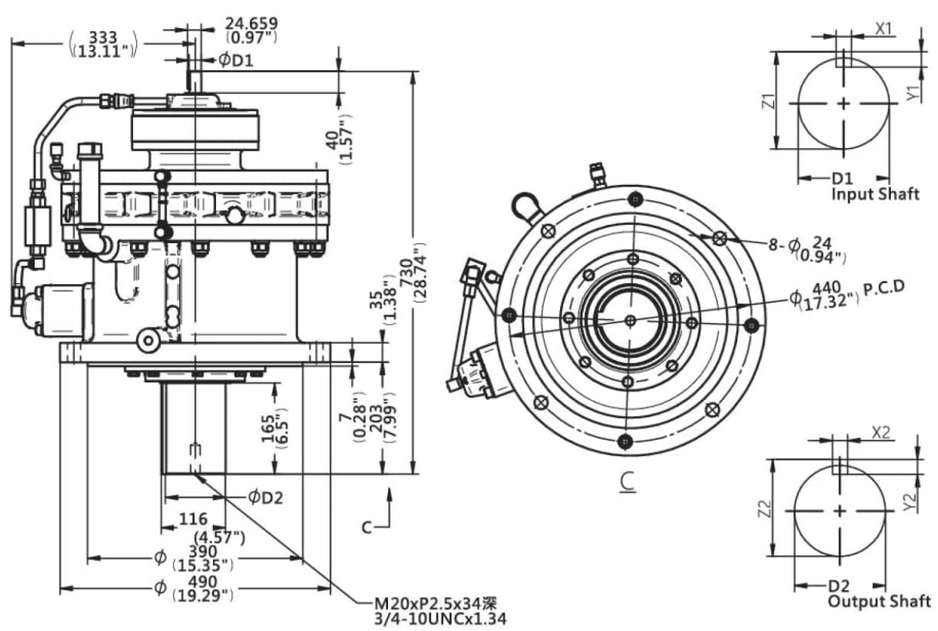
820/12	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-820/12-□	Ø18 h6	6	6	20.5	Ø100 h6	28	16	106	246kg
TDV-820/12-□-I	Ø0.75 0/-0.0005	3/16	3/16	0.81"	Ø3.875 0/-0.0009	1	1	4.17"	542lbs



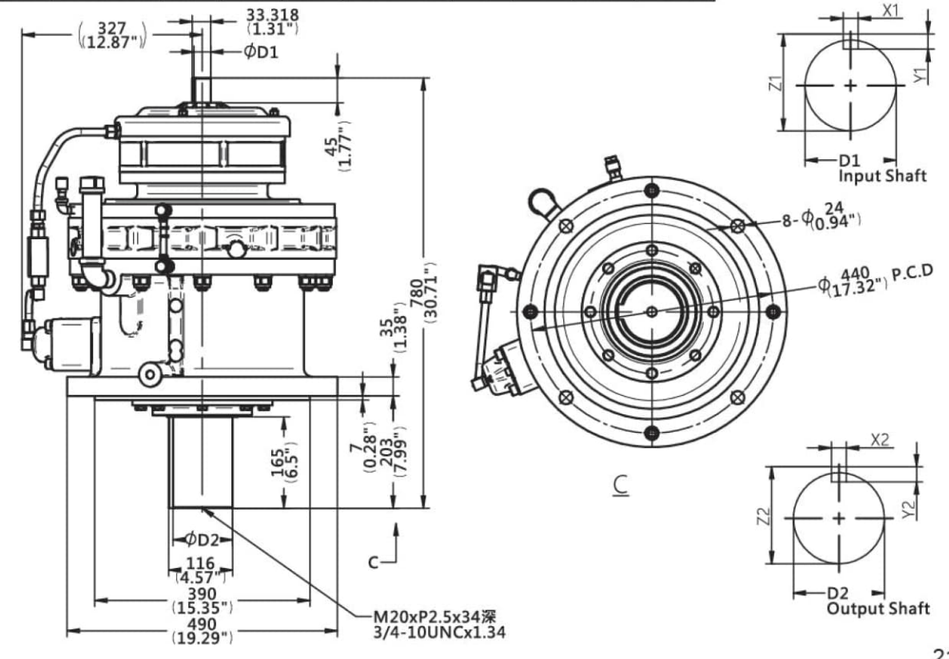
820/13	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-820/13-□	Ø22 h6	6	6	24.5	Ø100 h6	28	16	106	258kg
TDV-820/13-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.96"	Ø3.875 0/-0.0009	1	1	4.17"	570lbs



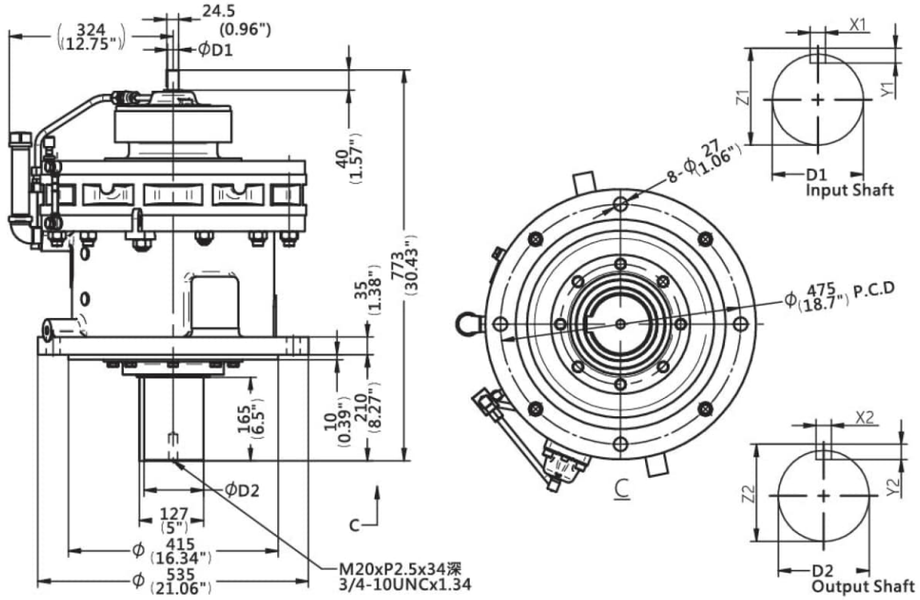
821/13	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-821/13-□	Ø22 h6	6	6	24.5	Ø110 h6	28	16	116	333kg
TDV-821/13-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.96"	Ø4.25 0/-0.0009	1	1	4.57"	734lbs



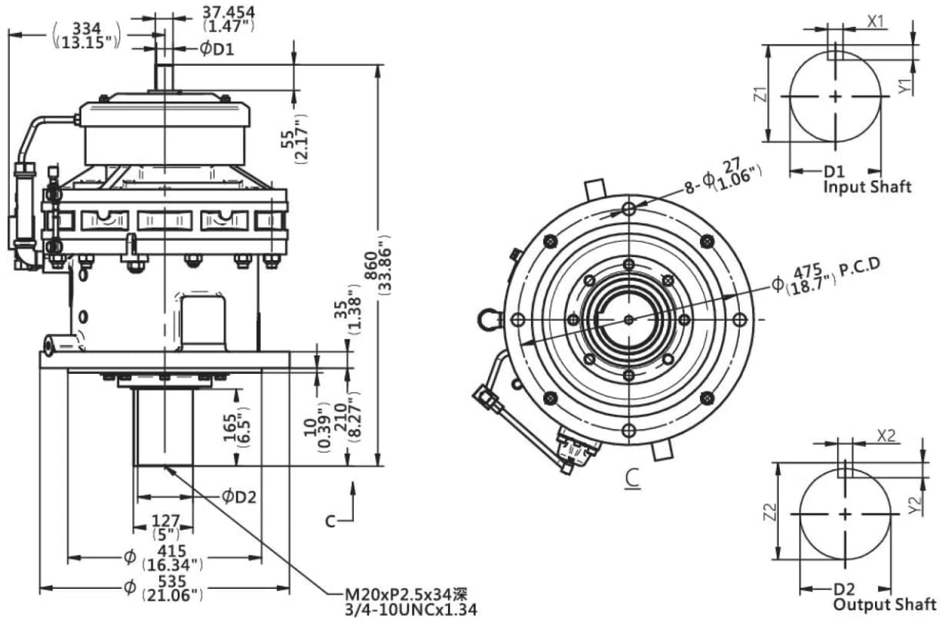
821/16	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-821/16-□	Ø30 h6	8	7	33	Ø110 h6	28	16	116	355kg
TDV-821/16-□-I	Ø1.125 0/-0.0005	1/4	1/4	1.3"	Ø4.25 0/-0.0009	1	1	4.57"	782lbs



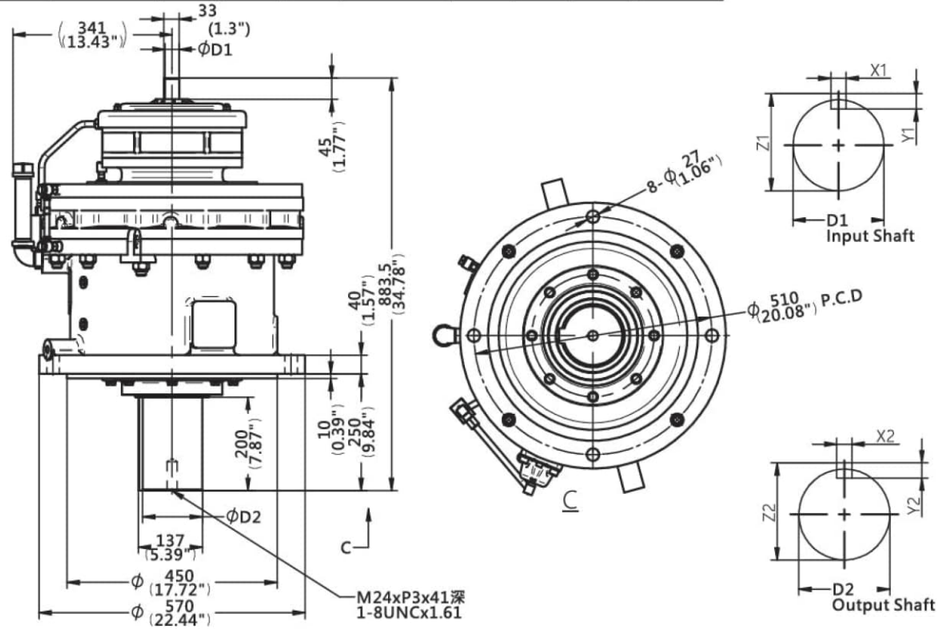
822/13	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-822/13-□	Ø22 h6	6	6	24.5	Ø120 h6	32	18	127	408kg
TDV-822/13-□-I	Ø0.875 0/-0.0005	3/16	3/16	0.96"	Ø4.625 0/-0.0009	1 1/4	7/8	5"	900lbs



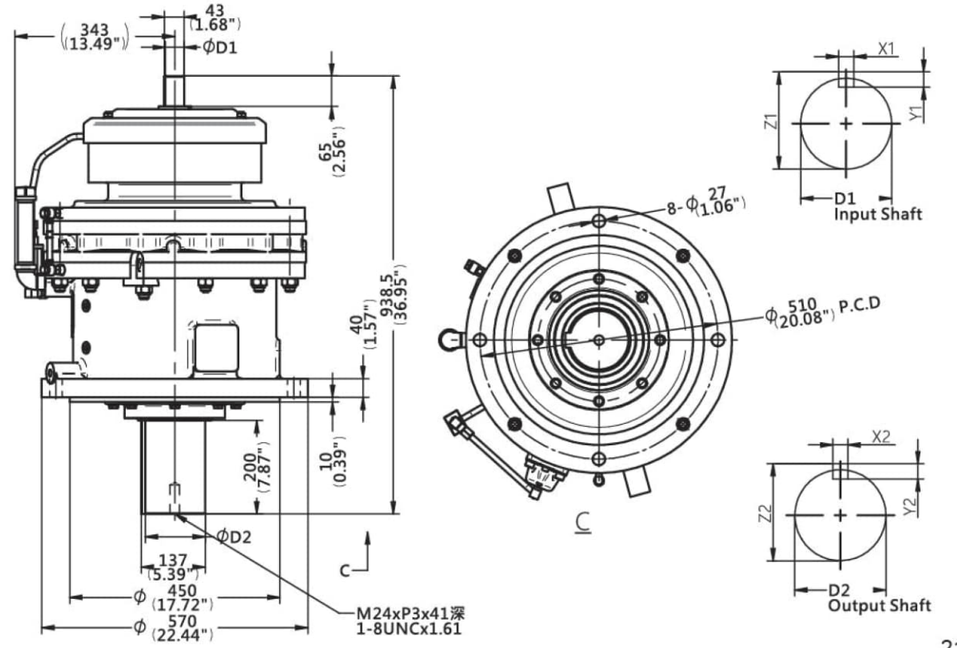
822/17	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-822/17-□	Ø35 h6	10	8	38	Ø120 h6	32	18	127	455kg
TDV-822/17-□-I	Ø1.375 0/-0.0006	5/16	5/16	1.5"	Ø4.625 0/-0.0009	1 1/4	7/8	5"	1003lbs



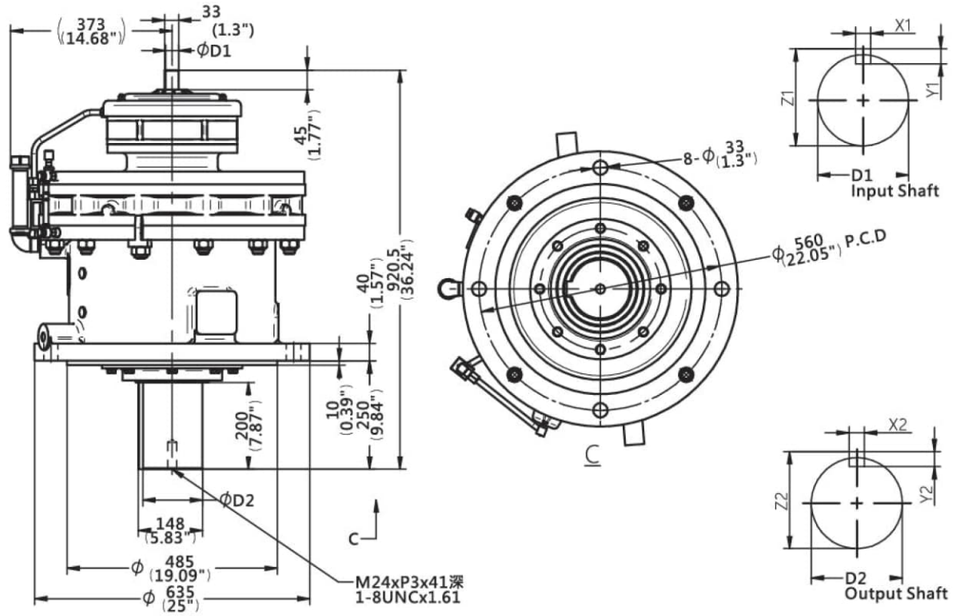
823/16	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-823/16-□	Ø30 h6	8	7	33	Ø130 h6	32	18	137	510kg
TDV-823/16-□-I	Ø1.125 0/-0.0005	1/4	1/4	1.3"	Ø5 0/-0.001	1 1/4	7/8	5.39"	1124lbs



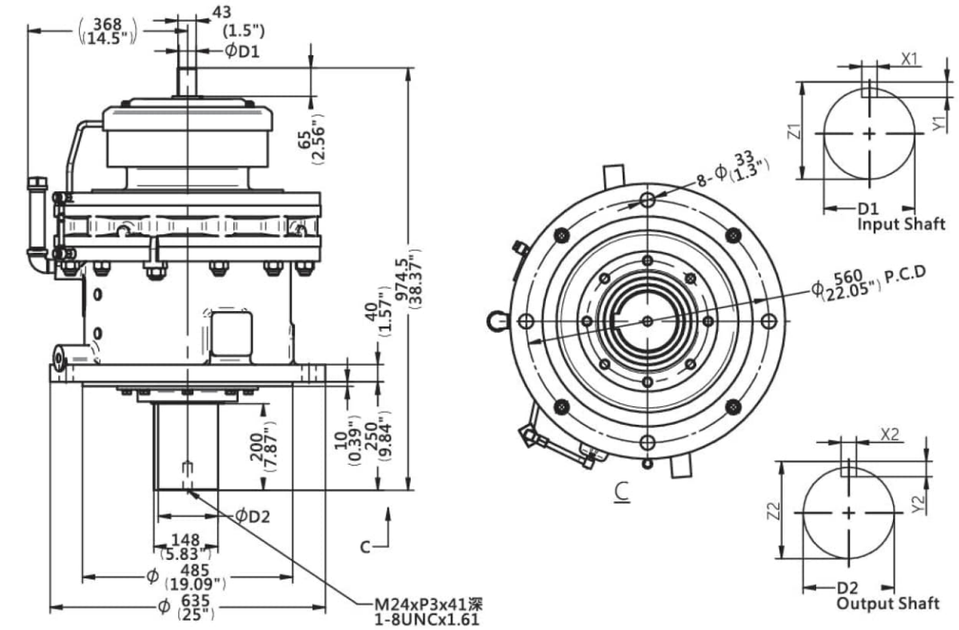
823/18	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-823/18-□	Ø40 h6	12	8	43	Ø130 h6	32	18	137	544kg
TDV-823/18-□-I	Ø1.5 0/-0.0006	3/8	3/8	1.69"	Ø5 0/-0.0009	1 1/4	7/8	5.39"	1199lbs



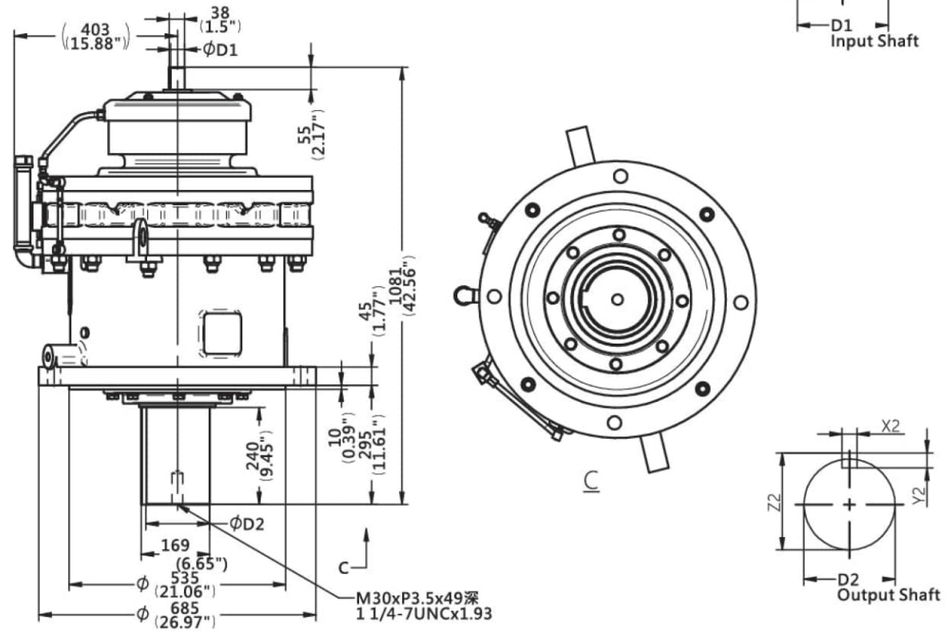
824/16	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-824/16-□	Ø30 h6	8	7	33	Ø140 h6	36	20	148	604kg
TDV-824/16-□-I	Ø1.125 0/-0.0005	1/4	1/4	1.3"	Ø5.5 0/-0.001	1 1/4	7/8	5.83"	1331lbs



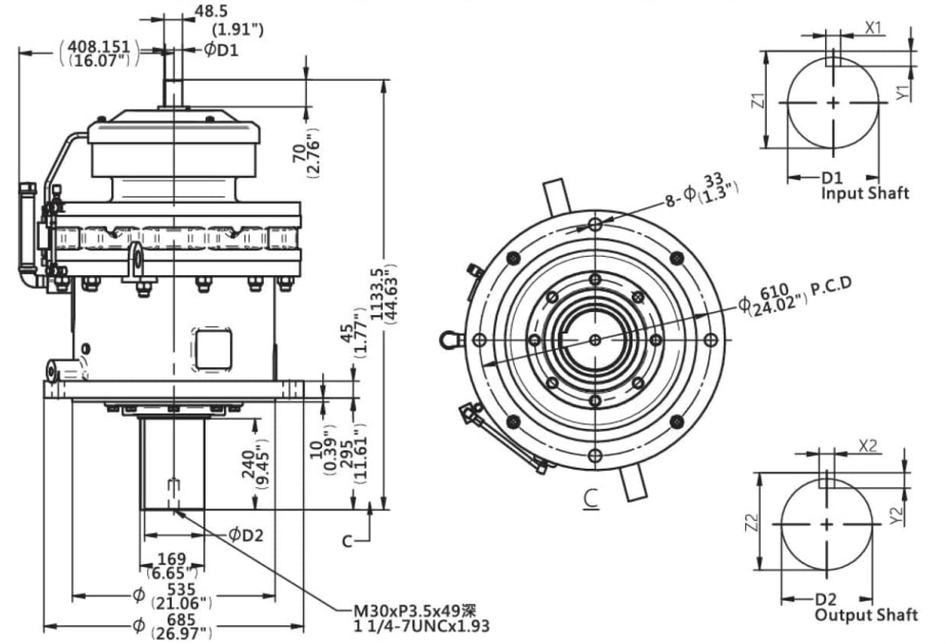
824/18	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-824/18-□	Ø40 h6	12	8	43	Ø140 h6	36	20	148	630kg
TDV-824/18-□-I	Ø1.5 0/-0.0006	3/8	3/8	1.5"	Ø5.5 0/-0.001	1 1/4	7/8	5.83"	1389lbs



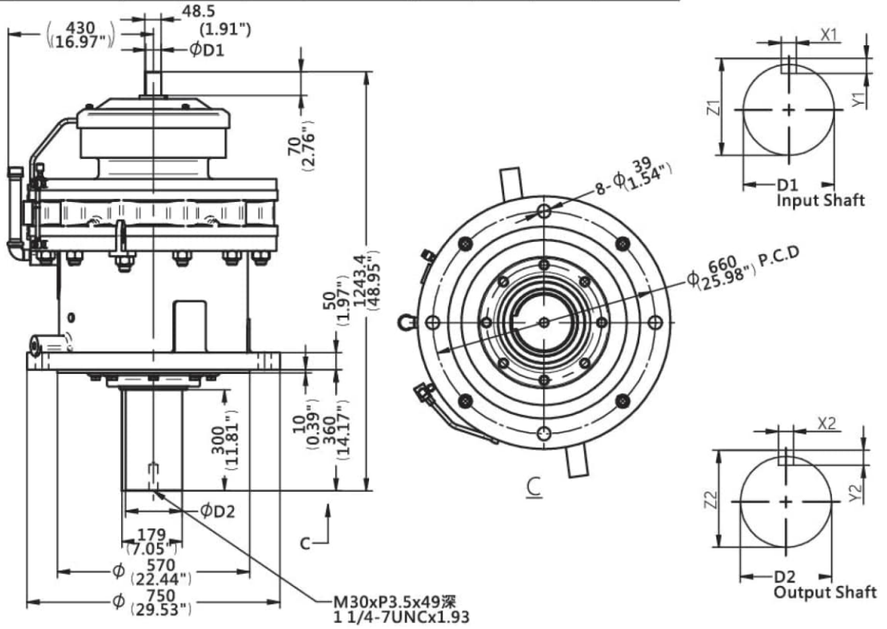
825/17	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-825/17-□	Ø35 h6	10	8	38	Ø160 h6	40	22	169	923kg
TDV-825/17-□-I	Ø1.375 0/-0.0006	5/16	5/16	1.5"	Ø6.25 0/-0.001	1 1/2	1	6.65"	20351lbs



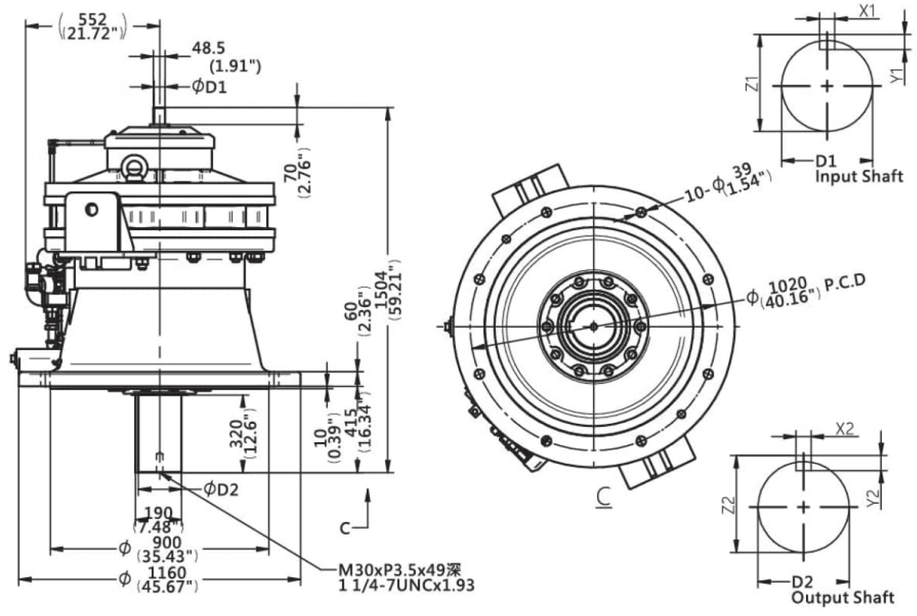
825/19	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-825/19-□	Ø45 h6	14	9	48.5	Ø160 h6	40	22	169	992kg
TDV-825/19-□-I	Ø1.75 0/-0.0006	3/8	3/8	1.91"	Ø6.25 0/-0.001	1 1/2	1	6.65"	2187lbs



826/19	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-826/19-□	Ø45 h6	14	9	48.5	Ø170 h6	40	22	179	1260kg
TDVH-826/19-□-I	Ø1.75 0/-0.0006	3/8	3/8	1.91"	Ø6.625 0/-0.001	1 3/4	1 1/4	7.05"	2778lbs



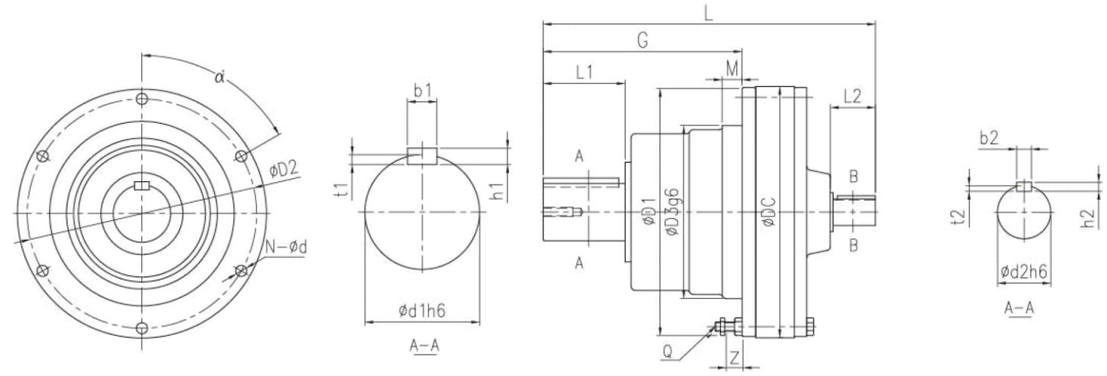
827/19	Input Shaft				Output Shaft				Weight
	D1	X1	Y1	Z1	D2	X2	Y2	Z2	
TDV-827/19-□	Ø45 h6	14	9	48.5	Ø180 h6	45	25	190	2658kg
TDV-827/19-□-I	Ø1.75 0/-0.0006	3/8	3/8	1.91"	Ø7 0/-0.001	1 3/4	1 1/4	7.48"	5860lbs



DIMENSION DRAWINGS

F–TYPE FLANGE TRANSCYKO Speed Reducers

THF–808~THF–812

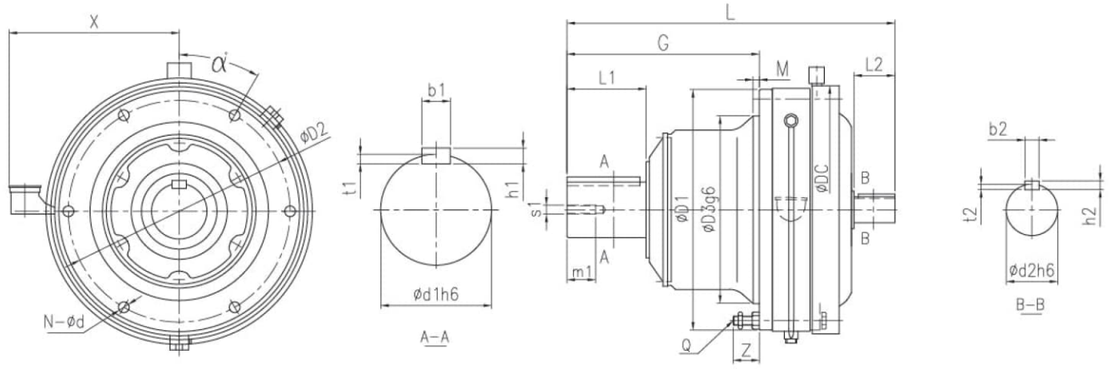


Installation Dimensions THF–808~THF–812

THF	Metric (mm,kg)													Inches (in,lbs)											
	L	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	W(kg)	L	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	W(kg)
808	151	74	110	98	80	110	M6	21	4	6	6.6	60	3	5.94	2.91	4.33	3.86	3.15	4.33	1/4	0.83	0.16	6	0.26	60	6.6
809	202	114	150	134	105	150	M8	29	6	8	9	22.5	8.5	7.95	4.49	5.91	5.28	4.13	5.91	1/3	1.14	0.24	8	0.35	22.5	18.7
810	208	114	150	134	105	150	M8	28	6	8	9	22.5	9.5	8.19	4.49	5.91	5.28	4.13	5.91	1/3	1.10	0.24	8	0.35	22.5	20.9
812	259	139	200	180	140	204	M10	33	14	6	11	60	20	10.20	5.47	7.87	7.09	5.51	8.03	3/8	1.30	0.55	6	0.43	60	44

MODEL	Output Shaft (mm)							Input Shaft (mm)					Output Shaft (in)							Input Shaft (in)				
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
THF–808–Ratio	18	30	6	6	3.5	–	–	12	25	4	4	2.5	0.71	1.18	0.24	0.24	0.14	–	–	0.47	0.98	0.16	0.16	0.10
THF–809–Ratio	28	35	8	7	4	–	–	15	25	5	5	3	1.10	1.38	0.31	0.28	0.16	–	–	0.59	0.98	0.20	0.20	0.12
THF–810–Ratio	28	35	8	7	4	–	–	15	25	5	5	3	1.10	1.38	0.31	0.28	0.16	–	–	0.59	0.98	0.20	0.20	0.12
THF–812–Ratio	38	55	10	8	5	–	–	18	35	6	6	3.5	1.50	2.17	0.39	0.31	0.20	–	–	0.75	1.38	0.24	0.24	0.14

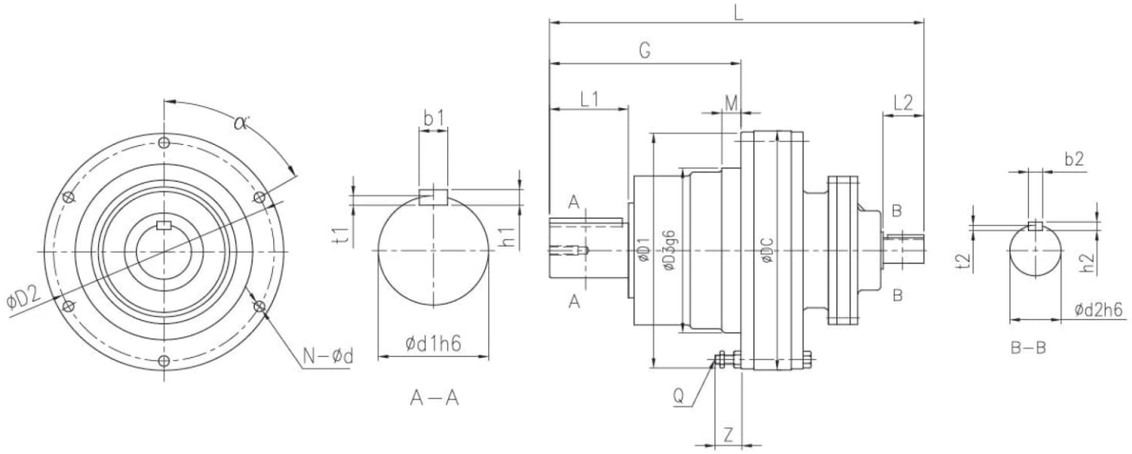
THF-813~THF-824



Installation Dimensions THF-813~THF-824																										
THF	Metric (mm,kg)														Inches (in,lbs)											
	L	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	X	W(kg)	L	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	X	W(kg)
813	321	178	226	205	165	230	M10	31	16	6	11	60	208	36	12.64	7.01	8.90	8.07	6.50	9.06	3/8	1.22	0.63	6	0.43	60	8.19	79.2
814	341	198	226	205	165	230	M10	31	16	6	11	60	208	37	13.43	7.80	8.90	8.07	6.50	9.06	3/8	1.22	0.63	6	0.43	60	8.19	81.4
816	413	222	296	270	200	318	M12	35	10	6	14	30	228	66	16.26	8.74	11.65	10.63	7.87	12.52	1/2	1.38	0.39	6	0.55	30	8.98	145.2
817	477	262	330	300	250	362	M12	41	12	8	14	22.5	234	96	18.78	10.31	12.99	11.81	9.84	14.25	1/2	1.61	0.47	8	0.55	22.5	9.57	211.2
818	527	299	360	330	280	390	M12	38	12	8	14	22.5	258	131	20.75	11.77	14.17	12.99	11.02	15.35	1/2	1.50	0.47	8	0.55	22.5	10.16	288.2
819	620	365	420	380	320	451	M12	41	10	12	14	15	285	195	24.41	14.37	16.54	14.96	12.60	17.76	1/2	1.61	0.39	12	0.55	15	11.22	429
820	678	410	443	405	360	471	M16	56	20	12	18	15	–	213	26.69	16.14	17.44	15.94	14.17	18.54	5/8	2.20	0.79	12	0.71	15	–	468.6
821	708	423	480	440	390	507	M18	56	20	12	20.5	15	–	292	27.87	16.65	18.90	17.32	15.35	19.96	5/7	2.20	0.79	12	0.81	15	–	642.4
822	752	454	521	475	420	549	M20	64	20	12	22	15	–	347	29.61	17.87	20.51	18.70	16.54	21.61	3/4	2.52	0.79	12	0.87	15	–	763.4
823	839	505	557	510	455	591	M20	65	20	12	22	15	–	428	33.03	19.88	21.93	20.08	17.91	23.27	3/4	2.56	0.79	12	0.87	15	–	941.6
824	877	529	615	560	500	637	M24	65	25	12	27	15	–	538	34.53	20.83	24.21	22.05	19.69	25.08	1	2.56	0.98	12	1.06	15	–	1183.6

MODEL	Output Shaft (mm)							Input Shaft (mm)					Output Shaft (in)							Input Shaft (in)				
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
THF-813-Ratio	50	70	14	9	5.5	M10	18	22	40	6	6	3.5	1.97	2.76	0.55	0.35	0.22	3/8	0.71	0.87	1.57	0.24	0.24	0.14
THF-814-Ratio	50	90	14	9	5.5	M10	18	22	40	8	6	3.5	1.97	3.54	0.55	0.35	0.22	3/8	0.71	0.87	1.57	0.31	0.24	0.14
THF-816-Ratio	60	90	18	11	7	M10	18	30	45	8	7	4	2.36	3.54	0.71	0.43	0.28	3/8	0.71	1.18	1.77	0.31	0.28	0.16
THF-817-Ratio	70	90	20	12	7.5	M12	24	35	55	10	8	5	2.75	3.54	0.79	0.47	0.30	1/2	0.94	1.38	2.17	0.39	0.31	0.20
THF-818-Ratio	80	110	22	14	9	M12	24	40	65	12	8	5	3.15	4.33	0.87	0.55	0.35	1/2	0.94	1.57	2.56	0.47	0.31	0.20
THF-819-Ratio	95	135	25	14	9	M20	34	45	70	14	9	5.5	3.74	5.31	0.98	0.55	0.35	3/4	1.34	1.77	2.76	0.55	0.35	0.22
THF-820-Ratio	100	165	28	16	10	M20	34	45	82	14	9	5.5	3.94	6.50	1.10	0.63	0.39	3/4	1.34	1.77	3.23	0.55	0.35	0.22
THF-821-Ratio	110	165	28	16	10	M20	34	50	82	14	9	5.5	4.33	6.50	1.10	0.63	0.39	3/4	1.34	1.97	3.23	0.55	0.35	0.22
THF-822-Ratio	120	165	32	18	11	M20	34	55	82	16	10	6	4.72	6.50	1.26	0.71	0.43	3/4	1.34	2.17	3.23	0.63	0.39	0.24
THF-823-Ratio	130	200	32	18	11	M24	41	60	105	18	11	7	5.12	7.87	1.26	0.71	0.43	1	1.61	2.36	4.13	0.71	0.43	0.28
THF-824-Ratio	140	200	36	20	12	M24	41	65	105	18	11	7	5.51	7.87	1.42	0.79	0.47	1	1.61	2.56	4.13	0.71	0.43	0.28

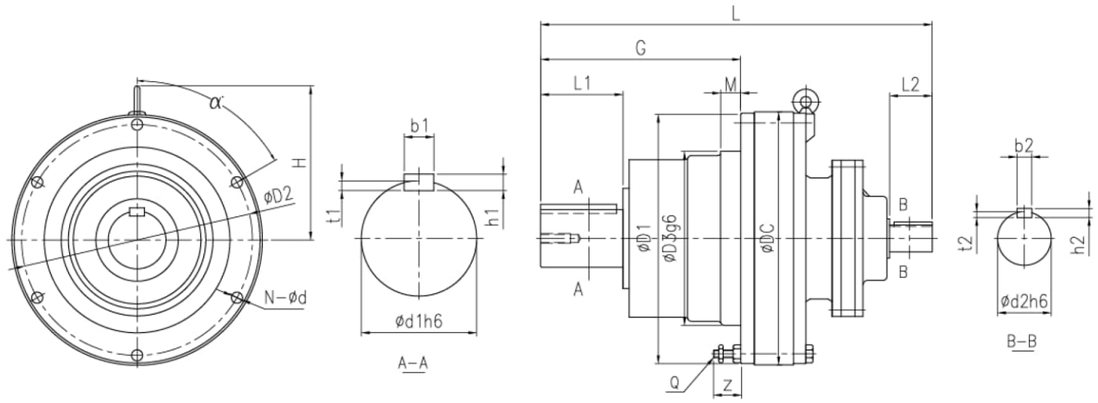
THF-808/07~THF-810/08



Installation Dimensions THF-808/07~THF-810/08																										
THF	Metric (mm,kg)													Inches (in,lbs)												
	L	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	W(kg)	L	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	W(kg)
808/07	184	74	110	98	80	110	M6	21	4	6	6.6	60	4.5	7.24	2.91	4.33	3.86	3.15	4.33	1/4	0.83	0.16	6	0.26	60	9.9
809/08	243	114	150	134	105	150	M8	29	6	8	9	22.5	10	9.57	4.49	5.91	5.28	4.13	5.91	1/3	1.14	0.24	8	0.35	22.5	22
810/07	257	114	150	134	105	150	M8	28	6	8	9	22.5	12	10.12	4.49	5.91	5.28	4.13	5.91	1/3	1.10	0.24	8	0.35	22.5	26.4

MODEL	Output Shaft (mm)							Input Shaft (mm)					Output Shaft (in)							Input Shaft (in)				
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
THF-808/07-Ratio	18	30	6	6	3.5	–	–	12	25	4	4	2.5	0.71	1.18	0.24	0.24	0.14	–	–	0.47	0.98	0.16	0.16	0.10
THF-809/08-Ratio	28	35	8	7	4	–	–	12	25	4	4	2.5	1.10	1.38	0.31	0.28	0.16	–	–	0.47	0.98	0.16	0.16	0.10
THF-810/08-Ratio	28	35	8	7	4	–	–	12	25	4	4	2.5	1.10	1.38	0.31	0.28	0.16	–	–	0.47	0.98	0.16	0.16	0.10

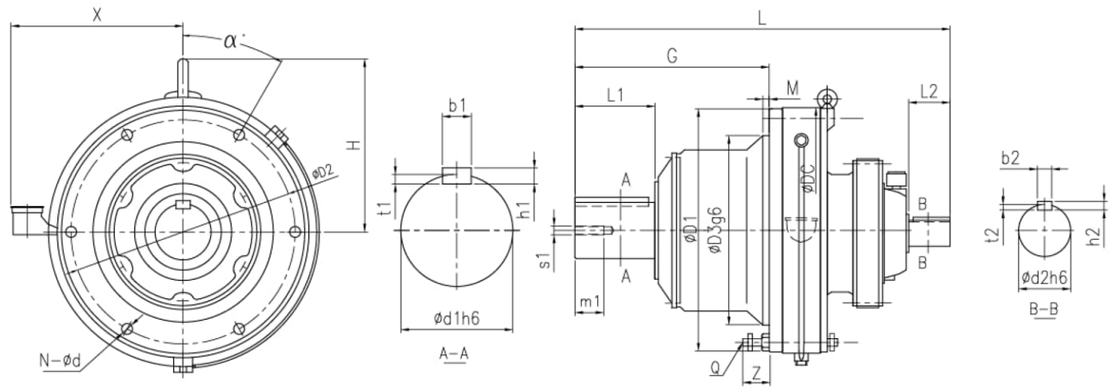
THF-813/08~THF-818/10



Installation Dimensions THF-813/08~THF-818/10																										
THF	Metric (mm,kg)														Inches (in,lbs)											
	L	G	D1	D2	D3	DC	H	Q	Z	M	N	d	α°	W(kg)	L	G	D1	D2	D3	DC	H	Q	Z	M	N	d	α°	W(kg)
813/08	347	178	226	205	165	230	150	M10	31	16	6	11	60	36	13.66	7.01	8.90	8.07	6.50	9.06	5.91	3/8	1.22	0.63	6	0.43	60	79.2
813/09	363	178	226	205	165	230	150	M10	31	16	6	11	60	39	14.29	7.01	8.90	8.07	6.50	9.06	5.91	3/8	1.22	0.63	6	0.43	60	85.8
813/10	369	178	226	205	165	230	150	M10	31	16	6	11	60	40	14.53	7.01	8.90	8.07	6.50	9.06	5.91	3/8	1.22	0.63	6	0.43	60	88
814/08	367	198	226	205	165	230	150	M10	31	16	6	11	60	36	14.45	7.80	8.90	8.07	6.50	9.06	5.91	3/8	1.22	0.63	6	0.43	60	78.2
814/09	383	198	226	205	165	230	150	M10	31	16	6	11	60	39	15.08	7.80	8.90	8.07	6.50	9.06	5.91	3/8	1.22	0.63	6	0.43	60	85.8
814/10	389	198	226	205	165	230	150	M10	31	16	6	11	60	40	15.31	7.80	8.90	8.07	6.50	9.06	5.91	3/8	1.22	0.63	6	0.43	60	88
816/09	433	222	296	270	200	300	189	M12	35	10	6	14	30	68	17.05	8.74	11.65	10.63	7.87	11.81	7.44	1/2	1.38	0.39	6	0.55	30	149.6
816/10	439	222	296	270	200	300	189	M12	35	10	6	14	30	70	17.28	8.74	11.65	10.63	7.87	11.81	7.44	1/2	1.38	0.39	6	0.55	30	154
817/09	478	262	330	300	250	340	216	M12	41	12	8	14	22.5	93	18.82	10.31	12.99	11.81	9.84	13.39	8.50	1/2	1.61	0.47	8	0.55	22.5	204.6
817/10	484	262	330	300	250	340	216	M12	41	12	8	14	22.5	95	19.06	10.31	12.99	11.81	9.84	13.39	8.50	1/2	1.61	0.47	8	0.55	22.5	209
818/10	526	299	360	300	280	370	231	M12	38	12	8	14	22.5	129	20.71	11.77	14.17	11.81	11.02	14.57	9.09	1/2	1.50	0.47	8	0.55	22.5	283.8

MODEL	Output Shaft (mm)							Input Shaft (mm)					Output Shaft (in)					Input Shaft (mm)						
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
THF-813/08-Ratio	50	70	14	9	5.5	M10	18	12	25	4	4	2.5	1.97	2.76	0.55	0.35	0.22	3/8	0.71	0.47	0.98	0.16	0.16	0.10
THF-813/09-Ratio	50	70	14	9	5.5	M10	18	15	25	5	5	3	1.97	2.76	0.55	0.35	0.22	3/8	0.71	0.59	0.98	0.20	0.20	0.12
THF-813/10-Ratio	50	70	14	9	5.5	M10	18	15	25	5	5	3	1.97	2.76	0.55	0.35	0.22	3/8	0.71	0.59	0.98	0.20	0.20	0.12
THF-814/08-Ratio	50	90	14	9	5.5	M10	18	12	25	4	4	2.5	1.97	3.54	0.55	0.35	0.22	3/8	0.71	0.47	0.98	0.16	0.16	0.10
THF-814/09-Ratio	50	90	14	9	5.5	M10	18	15	25	5	5	3	1.97	3.54	0.55	0.35	0.22	3/8	0.71	0.59	0.98	0.20	0.20	0.12
THF-814/10-Ratio	60	90	14	9	5.5	M10	18	15	25	5	5	3	2.36	3.54	0.55	0.35	0.22	3/8	0.71	0.59	0.98	0.20	0.20	0.12
THF-816/09-Ratio	60	90	18	11	7	M10	18	15	25	5	5	3	2.36	3.54	0.71	0.43	0.28	3/8	0.71	0.59	0.98	0.20	0.20	0.12
THF-816/10-Ratio	60	90	18	11	7	M10	18	15	25	5	5	3	2.36	3.54	0.71	0.43	0.28	3/8	0.71	0.59	0.98	0.20	0.20	0.12
THF-817/09-Ratio	70	90	20	12	7.5	M12	24	15	25	5	5	3	2.76	3.54	0.79	0.47	0.30	1/2	0.94	0.59	0.98	0.20	0.20	0.12
THF-817/10-Ratio	70	90	20	12	7.5	M12	24	15	25	5	5	3	2.76	3.54	0.79	0.47	0.30	1/2	0.94	0.59	0.98	0.20	0.20	0.12
THF-818/10-Ratio	80	110	22	14	9	M12	24	15	25	5	5	3	3.15	4.33	0.87	0.55	0.35	1/2	0.94	0.59	0.98	0.20	0.20	0.12

THF-816/12~THF-824/18

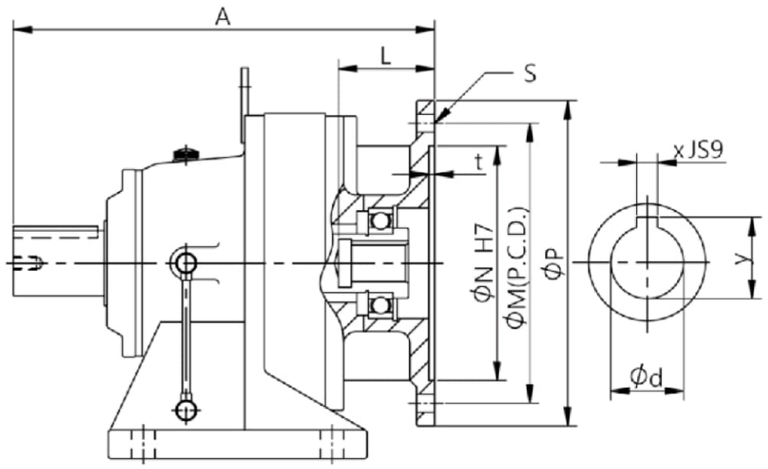


Installation Dimensions THF-816/12~THF-824/18																										
THF	Metric (mm,kg)														Inches (in,lbs)											
	L	G	D1	D2	D3	DC	H	Q	Z	M	N	d	α°	x	W(kg)	L	G	D1	D2	D3	DC	H	Q	Z	M	N	d	α°	x	W(kg)
816/12	462	222	296	270	200	300	189	M12	35	10	6	14	30	228	82	18.19	8.74	11.65	10.63	7.87	11.81	7.44	1/2	1.38	0.39	6	0.55	30	8.98	180.4
817/12	509	262	330	300	250	340	216	M12	41	12	8	14	22.5	243	105	20.04	10.31	12.99	11.81	9.84	13.39	8.50	1/2	1.61	0.47	8	0.55	22.5	9.57	231
818/13	577	299	360	330	280	370	231	M12	38	12	8	14	22.5	258	146	22.72	11.77	14.17	12.99	11.02	14.57	9.09	1/2	1.50	0.47	8	0.55	22.5	10.16	321.2
819/12	629	365	420	380	320	430	281	M12	41	10	12	14	15	285	201	24.76	14.37	16.54	14.93	12.60	16.93	11.06	1/2	1.61	0.39	12	0.55	15	11.22	442.2
819/13	653	365	420	380	320	430	281	M12	41	10	12	14	15	285	205	25.71	14.37	16.54	14.96	12.60	16.93	11.06	1/2	1.61	0.39	12	0.55	15	11.22	451
820/12	670	410	443	405	360	448	283	M16	56	20	12	18	15	–	217	26.38	16.14	17.44	15.94	14.17	17.64	11.14	5/8	2.20	0.79	12	0.71	15	–	477.4
820/13	705	410	443	405	360	448	283	M16	56	20	12	18	15	–	227	27.76	16.14	17.44	15.94	14.17	17.64	11.14	5/8	2.20	0.79	12	0.71	15	–	499.4
821/13	731	423	480	440	390	485	312	M18	56	20	12	20.5	15	–	306	28.78	16.65	18.90	17.32	15.35	19.09	12.28	5/7	2.20	0.79	12	0.81	15	–	673.2
821/16	780	423	480	440	390	485	312	M18	56	20	12	20.5	15	–	328	30.71	16.66	18.90	17.32	15.35	19.09	12.28	5/7	2.20	0.79	12	0.81	15	–	721.6
822/13	773	454	521	475	420	526	333	M20	64	20	12	22	15	–	357	30.43	17.87	20.51	18.70	16.54	20.71	13.11	3/4	2.52	0.79	12	0.87	15	–	785.4
822/17	860	454	521	475	420	526	333	M20	64	20	12	22	15	–	404	33.86	17.87	20.51	18.70	16.54	20.71	13.11	3/4	2.52	0.79	12	0.87	15	–	888.8
823/16	883	505	557	510	455	562	351	M20	65	20	12	22	15	–	468	34.76	19.68	21.93	20.08	17.91	22.13	13.82	3/4	2.56	0.79	12	0.87	15	–	1029.6
823/18	938	505	557	510	455	562	351	M20	65	20	12	22	15	–	500	36.93	19.88	21.93	20.08	17.91	22.13	13.82	3/4	2.56	0.79	12	0.87	15	–	1100
824/16	921	529	615	560	500	614	395	M24	65	25	12	27	15	–	574	36.25	20.83	24.21	22.05	19.69	24.17	15.55	1	2.56	0.98	12	1.06	15	–	1262.8
824/18	975	529	615	560	500	614	395	M24	65	25	12	27	15	–	603	38.39	20.83	24.21	22.05	19.69	24.17	15.55	1	2.56	0.98	12	1.06	15	–	1326.8

MODEL	Output Shaft (mm)							Input Shaft (mm)					Output Shaft (in)					Input Shaft (in)						
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
THF-816/12-Ratio	60	90	18	11	7	M10	18	18	35	6	6	3.5	2.36	3.54	0.71	0.43	0.28	3/8	0.71	0.71	1.38	0.24	0.24	0.14
THF-817/12-Ratio	70	90	20	12	7.5	M12	24	18	35	6	6	3.5	2.76	3.54	0.79	0.47	0.30	1/2	0.94	0.71	1.38	0.24	0.24	0.14
THF-818/13-Ratio	80	110	22	14	9	M12	24	22	40	6	6	3.5	3.15	4.33	0.87	0.55	0.35	1/2	0.94	0.87	1.57	0.24	0.24	0.14
THF-819/12-Ratio	95	135	25	14	9	M20	34	18	35	6	6	3.5	3.74	5.31	0.98	0.55	0.35	3/4	1.34	0.71	1.38	0.24	0.24	0.14
THF-819/13-Ratio	95	135	25	14	9	M20	34	22	40	6	6	3.5	3.74	5.31	0.98	0.55	0.35	3/4	1.34	0.87	1.57	0.24	0.24	0.14
THF-820/12-Ratio	100	165	28	16	10	M20	34	18	35	6	6	3.5	3.94	6.50	1.10	0.63	0.39	3/4	1.34	0.71	1.38	0.24	0.24	0.14
THF-820/13-Ratio	100	165	28	16	10	M20	34	22	40	6	6	3.5	3.94	6.50	1.10	0.63	0.39	3/4	1.34	0.87	1.57	0.24	0.24	0.14
THF-821/13-Ratio	110	165	28	16	10	M20	34	22	40	6	6	3.5	4.33	6.50	1.10	0.63	0.39	3/4	1.34	0.87	1.57	0.24	0.24	0.14
THF-821/16-Ratio	110	165	28	16	10	M20	34	30	45	6	7	4.0	4.33	6.50	1.10	0.63	0.39	3/4	1.34	1.18	1.77	0.31	0.28	0.16
THF-822/13-Ratio	120	165	32	18	11	M20	34	22	40	6	6	3.5	4.72	6.50	1.26	0.71	0.43	3/4	1.34	0.87	1.57	0.24	0.24	0.14
THF-822/17-Ratio	120	165	32	18	11	M20	34	35	55	10	8	5.0	4.72	6.50	1.26	0.71	0.43	1	1.34	1.38	2.17	0.39	0.31	0.20
THF-823/16-Ratio	130	200	32	18	11	M24	41	30	45	8	7	4.0	5.12	7.87	1.26	0.71	0.43	1	1.61	1.18	1.77	0.31	0.28	0.16
THF-823/18-Ratio	130	200	32	18	11	M24	41	40	65	12	8	5.0	5.12	7.87	1.26	0.71	0.43	1	1.61	1.57	2.56	0.47	0.31	0.20
THF-824/16-Ratio	140	200	36	20	12	M24	41	30	45	8	7	4.0	5.51	7.87	1.42	0.79	0.47	1	1.61	1.18	1.77	0.31	0.28	0.16
THF-824/18-Ratio	140	200	36	20	12	M24	41	40	65	12	8	5.0	5.51	7.87	1.42	0.79	0.47	1	1.61	1.57	2.56	0.47	0.31	0.20

IEC INPUT HOLLOW SHAFT ADAPTER

T□□X □-8□□-□□



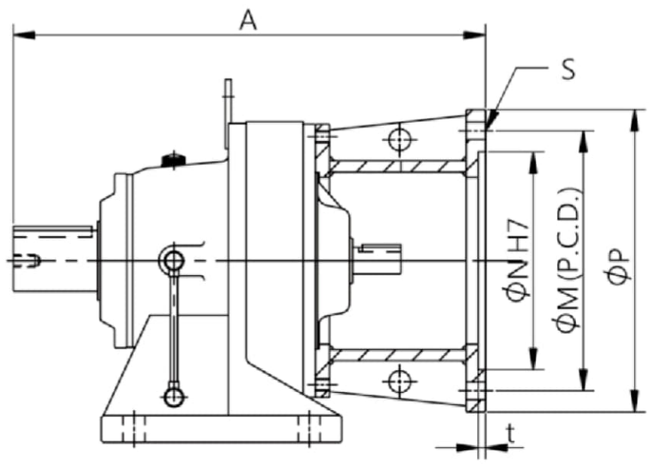
IEC B5 (mm)											
REDUCER FRAME NO.	MOTOR FRAME NO.	A	P	M	N	L	t	S	d	x	y
807	56	129.6	120	100	80	27	3	4-Ø7	9	3	10.4
	63	126.5	140	115	95	25	4	4-Ø9	11	4	12.8
	71	133	160	130	110	33	4	4-Ø9	14	5	16.3
808	56	135.6	120	100	80	27	3	4-Ø7	9	3	10.4
	63	132.5	140	115	95	25	4	4-Ø9	11	4	12.8
	71	139	160	130	110	33	4	4-Ø9	14	5	16.3
809	63	183	140	115	95	25.5	4	4-Ø9	11	4	12.8
	71	190	160	130	110	36	4	4-Ø9	14	5	16.3
	80	204	200	165	130	47	4	4-Ø11	19	6	21.8
	90	215	200	165	130	54	4	4-Ø11	24	8	27.3
810	63	188.5	140	115	95	25	4	4-Ø9	11	4	12.8
	71	201	160	130	110	35	4	4-Ø9	14	5	16.3
	80	203	200	165	130	47	4	4-Ø11	19	6	21.8
	90	221	200	165	130	58	4	4-Ø11	24	8	27.3
	100/112	233	250	215	180	65	4.5	4-Ø14	28	8	31.3
812	71	241	160	130	110	38	4	4-Ø9	14	5	16.3
	80	245	200	165	130	45	4	4-Ø11	19	6	21.8
	90	255	200	165	130	58	4	4-Ø11	24	8	27.3
	100/112	271.5	250	215	180	73	4.5	4-Ø14	28	8	31.3
	132	291.5	300	265	230	89.5	5	4-Ø14	38	10	41.3

IEC B5 (mm)											
REDUCER FRAME NO.	MOTOR FRAME NO.	A	P	M	N	L	t	S	d	x	y
813	71	304.5	160	130	110	46	4	4-M8	14	5	16.3
	80	293.5	200	165	130	42	4	4-M10	19	6	21.8
	90	308	200	165	130	54	4	4-Ø11	24	8	27.3
	100/112	324	250	215	180	74	4.5	4-Ø14	28	8	31.3
	132	350	300	265	230	90	5	4-Ø14	38	10	41.3
	160	379.5	350	300	250	120	6	4-Ø18	42	12	45.3
814	71	324.5	160	130	110	46	4	4-M8	14	5	16.3
	80	313.5	200	165	130	42	4	4-M10	19	6	21.8
	90	328	200	165	130	54	4	4-Ø11	24	8	27.3
	100/112	344	250	215	180	74	4.5	4-Ø14	28	8	31.3
	132	370	300	265	230	90	5	4-Ø14	38	10	41.3
	160	399.5	350	300	250	120	6	4-Ø18	42	12	45.3
816	90	379	200	165	130	58	4	4-Ø12	24	8	27.3
	100/112	385	250	215	180	62	5	4-Ø14	28	8	31.3
	132	403	300	265	230	84	4.5	4-Ø14	38	10	41.3
	160	436	350	300	250	113	6	4-Ø18	42	12	45.3
	180	436	350	300	250	113	6	4-Ø18	48	14	51.8
817	100/112	441	250	215	180	70	5	4-Ø14	28	8	31.3
	132	461	300	265	230	84	5	4-Ø14	38	10	41.3
	160	487.5	350	300	250	117	6	4-Ø18	42	12	45.3
	180	487.5	350	300	250	117	6	4-Ø18	48	14	51.8
	200	487.5	400	350	300	119	6	4-Ø18. 5	55	16	59.3
818	100/112	476	250	215	180	70	5	4-Ø14	28	8	31.3
	132	495	300	265	230	91	5	4-Ø14	38	10	41.3
	160	530.5	350	300	250	123	6	4-Ø18	42	12	45.3
	180	530.5	350	300	250	123	6	4-Ø18	48	14	51.8
	200	531	400	350	300	116	6	4-Ø18	55	16	59.3
819	100/112	544	250	215	180	70	5	4-Ø14	28	8	31.3
	132	570.5	300	265	230	81.6	5	4-Ø14	38	10	41.3
	160	601	350	300	250	121	6	4-Ø18	42	12	45.3
	180	601	350	300	250	121	6	4-Ø18	48	14	51.8
	200	601	400	350	300	116	6	4-Ø18	55	16	59.3
820	160	648	350	300	250	125	7	4-Ø18	42	12	45.3
	180	648	350	300	250	125	7	4-Ø18	48	14	51.5
	200	648	400	350	300	125	7	4-Ø18	55	16	59.3
821	160	669	350	300	250	117	6	4-Ø18	42	12	45.3
	180	669	350	300	250	117	6	4-Ø18	48	14	51.8
	200	669	400	350	300	117	6	4-Ø18	55	16	59.3
822	160	711	350	300	250	120	6	4-Ø18	42	12	45.3
	180	711	350	300	250	120	6	4-Ø18	48	14	51.8
	200	711	400	350	300	120	6	4-Ø18	55	16	59.3
	225	741	450	400	350	144	6	4-Ø19	60	18	64.4

*Note: Please contact us for NEMA motors or frame numbers not listed.

IEC C-FACE FLANGE ADAPTER

T□□C -8□□-□□



IEC B5 (mm)							
REDUCER FRAME NO.	MOTOR FRAME NO.	A	P	M	N	t	s
807	63	173	140	115	95	4	4-M8
	71	185	160	130	110	4	4-Ø10
808	63	179	140	115	95	4	4-M8
	71	191	160	130	110	4	4-Ø10
	80	194	200	165	130	5	4-Ø11
809	63	230	140	115	95	4.5	4-M8
	71	242	160	130	110	5	4-M8
	80	245	200	165	130	5	4-Ø12
	90	255	200	165	130	5	4-Ø12
810	63	234	140	115	95	4	4-M8
	71	241	160	130	110	4	4-M8
	80	251	200	165	130	5	4-Ø12
	90	261	200	165	130	5	4-Ø12
	100/112	278	250	215	180	6	4-Ø14.5
812	71	292	160	130	110	4	4-M8
	80	312	200	165	130	5	4-Ø12
	90	312	200	165	130	5	4-Ø12
	100/112	322	250	215	180	6	4-Ø15

IEC B5 (mm)							
REDUCER FRAME NO.	MOTOR FRAME NO.	A	P	M	N	t	s
813	80	374	200	165	130	5	4-Ø12
	90	374	200	165	130	5	4-Ø12
	100/112	391	250	215	180	6	4-Ø14.5
	132	411	300	265	230	6	4-Ø14.5
814	80	394	200	165	130	5	4-Ø12
	90	394	200	165	130	5	4-Ø12
	100/112	411	250	215	180	6	4-Ø14.5
	132	431	300	265	230	6	4-Ø14.5
816	90	466	200	165	130	4.5	4-Ø12
	100/112	482	250	215	180	5	4-Ø15
	132	496	300	265	230	6	4-Ø15
	160	522	350	300	250	7	4-Ø19
817	100/112	540	250	215	180	6	4-Ø14
	132	560	300	265	230	6	4-Ø14
	160/180	591	350	300	250	6	4-Ø19
	200	591	400	350	300	6	4-Ø19
818	110/112	590	250	215	180	7	4-Ø14
	132	610	300	265	230	7	4-Ø15
	160/180	645	350	300	250	6	4-Ø19
	200	645	400	350	300	6	4-Ø18.5
819	132	703.5	300	265	230	5	4-Ø15
	160/180	733.5	350	300	250	6	4-Ø19
	200	734.5	400	350	300	6	4-Ø19
820	160/180	791	350	300	250	6	4-Ø19
	200	791	400	350	300	6	4-Ø19
	225	821	450	400	350	6	4-Ø19
821	160/180	821	350	300	250	6	4-Ø19
	200	822	400	350	300	6	4-Ø19
	225	852	450	400	350	6	4-Ø19
	250/280	852	550	500	450	6	4-Ø19
822	160/180	876	350	300	250	5	4-Ø19
	200	870	400	350	300	6	4-Ø19
	225	900	450	400	350	6	4-Ø19
	250/280	901	550	500	450	7	4-Ø19

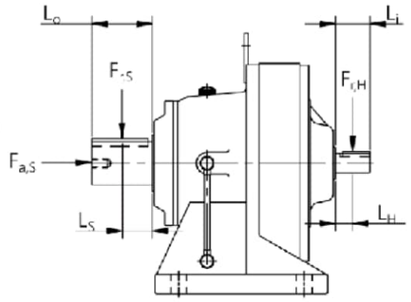
*Note: Please contact us for NEMA motors or frame numbers not listed.

ALLOWABLE OVERHUNG LOAD

Allowable overhung load and axial load of low-speed shaft:

$$\left(\frac{F_{r,S} \times Lfs}{F_{ro,S}} + \frac{F_{a,S}}{F_{ao,S}}\right) \times Cf \times Fs \leq 1$$

$F_{r,S}$: Low Speed Vertical Load(kgf/lbf)
$F_{ro,S}$: Allowable Low Speed Shaft Overhung Load(kgf/lbf)
$F_{a,S}$: Low Speed Shaft Axial Load(kgf/lbf)
$F_{ao,S}$: Allowable Low Speed Shaft Axial Load(kgf/lbf)
Cf: Load Position Factor (Low Speed Shaft)
Fs: Shock Factor



Allowable overhung load and axial load of high-speed shaft:

$$F_{r,H} \leq \left(\frac{F_{ro,H}}{Lf_H \times Cf \times Fs}\right)$$

$F_{r,S}$: High Speed Vertical Load(kgf/lbf)
$F_{ro,S}$: Allowable High Speed Shaft Overhung Load(kgf/lbf)
Lf_H: Load position factor (High Speed Shaft)

Coupling Factor Cf		Shock Factor Fs	
Type of Coupling	Cf	Degree of Shock	Fs
Chain	1	No Shock	1
Rotary Valve	1.25	Light Shock	1 ~ 1.2
V-Belt	1.5	Severe Shock	1.4 ~ 1.6

Load Location Factor Lfs

Position mm (in)	< 5 < 0.2	10 0.4	15 0.6	20 0.8	25 1.0	30 1.2	35 1.4	40 1.6	45 1.8	50 2.0	60 2.4	70 2.8	80 3.1	90 3.5	100 4.0	120 4.7	140 5.5	160 6.3	180 7.0	200 8.0	225 9.0	250 10.0	275 11.0	300 12.0
807	0.83	0.94	1.19	1.56																				
808	0.82	0.91	1.00	1.29	1.59	1.88																		
809	0.86	0.92	0.97	1.13	1.38	1.64	1.90																	
810	0.86	0.92	0.97	1.13	1.38	1.64	1.90																	
812		0.82	0.87	0.92	0.97	1.08	1.25	1.42	1.59	1.76														
813			0.83	0.87	0.92	0.96	1.00	1.13	1.25	1.38	1.63	1.88												
814				0.66	0.73	0.80	0.87	0.93	1.00	1.10	1.30	1.50	1.70	1.90										
816				0.83	0.87	0.90	0.93	0.97	1.00	1.11	1.32	1.53	1.75	1.96										
817				0.86	0.89	0.92	0.94	0.97	1.00	1.11	1.32	1.53	1.75	1.96										
818					0.85	0.87	0.90	0.93	0.95	0.98	1.09	1.26	1.43	1.60	1.78									
819						0.85	0.87	0.89	0.91	0.93	0.97	1.04	1.18	1.32	1.46	1.75								
820								0.70	0.74	0.77	0.84	0.91	0.98	1.05	1.12	1.26	1.40	1.54						
821								0.70	0.73	0.77	0.84	0.91	0.98	1.05	1.13	1.27	1.41	1.56						
822								0.86	0.88	0.90	0.93	0.96	0.99	1.02	1.06	1.12	1.19	1.25						
823								0.82	0.84	0.85	0.88	0.91	0.94	0.97	1.00	1.06	1.12	1.18	1.24	1.30				
824								0.83	0.84	0.86	0.89	0.92	0.94	0.97	1.00	1.06	1.11	1.17	1.23	1.29				
825										0.83	0.85	0.88	0.90	0.93	0.95	1.00	1.05	1.10	1.22	1.36	1.52	1.69		
826												0.83	0.85	0.88	0.90	0.94	0.98	1.04	1.17	1.29	1.45	1.61	1.77	1.93
827													0.67	0.71	0.75	0.82	0.90	0.98	1.09	1.21	1.35	1.50	1.65	1.79

Allowable Low-Speed Shaft Axial Load kgf (lbf)

Output Speed rpm	< 10	15	20	25	30	35	40	50	60	80	100	125	150	200	250	300
807	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)
808	78.7 (173)	78.7 (173)	78.7 (173)	78.7 (173)	78.7 (173)	78.7 (173)	78.7 (173)	78.7 (173)	78.7 (173)	78.7 (173)	78.7 (173)	78.7 (173)	78.7 (173)	78.7 (173)	78.7 (173)	78.7 (173)
809	98.8 (218)	98.8 (218)	98.8 (218)	98.8 (218)	98.8 (218)	98.8 (218)	98.8 (218)	98.8 (218)	98.8 (218)	98.8 (218)	98.8 (218)	98.8 (218)	98.8 (218)	98.8 (218)	98.8 (218)	98.8 (218)
810	148 (326)	148 (326)	148 (326)	148 (326)	148 (326)	148 (326)	148 (326)	148 (326)	148 (326)	148 (326)	148 (326)	148 (326)	148 (326)	148 (326)	148 (326)	148 (326)
812	295 (650)	295 (650)	295 (650)	295 (650)	295 (650)	295 (650)	295 (650)	295 (650)	295 (650)	295 (650)	295 (650)	295 (650)	295 (650)	277 (611)	251 (553)	240 (529)
813	393 (866)	393 (866)	393 (866)	393 (866)	393 (866)	393 (866)	393 (866)	393 (866)	393 (866)	393 (866)	393 (866)	393 (866)	393 (866)	393 (866)	393 (866)	393 (866)
814	543 (1196)	543 (1196)	543 (1196)	543 (1196)	543 (1196)	543 (1196)	543 (1196)	543 (1196)	543 (1196)	526 (1160)	488 (1077)	459 (1012)	439 (968)	387 (853)	369 (814)	347 (766)
816	690 (1522)	690 (1522)	690 (1522)	690 (1522)	690 (1522)	690 (1522)	690 (1522)	690 (1522)	690 (1522)	690 (1522)	690 (1522)	690 (1522)	690 (1522)	633 (1396)	573 (1263)	
817	986 (2173)	986 (2173)	986 (2173)	986 (2173)	986 (2173)	986 (2173)	986 (2173)	986 (2173)	986 (2173)	986 (2173)	986 (2173)	973 (2145)	906 (1997)	813 (1793)	736 (1623)	691 (1523)
818	1379 (3039)	1379 (3039)	1379 (3039)	1379 (3039)	1379 (3039)	1379 (3039)	1379 (3039)	1379 (3039)	1379 (3039)	1379 (3039)	1379 (3039)	1320 (2909)	1251 (2757)	1103 (2432)		
819	1975 (4353)	1975 (4353)	1975 (4353)	1975 (4353)	1975 (4353)	1975 (4353)	1975 (4353)	1975 (4353)	1975 (4353)	1975 (4353)	1975 (4353)	1866 (4114)	1757 (3874)	1550 (3417)		
820	2673 (5892)	2376 (5237)	2128 (4692)	1980 (4364)	1881 (4146)	1831 (4037)	1782 (3928)	1683 (3710)	1584 (3492)	1435 (3164)	1336 (2946)	1287 (2837)	1237 (2728)	1138 (2510)		
821	2758 (6080)	2462 (5429)	2216 (4886)	2068 (4560)	1970 (4343)	1871 (4126)	1822 (4017)	1724 (3800)	1625 (3583)	1477 (3257)	1379 (3040)	1330 (2931)	1280 (2823)	1182 (2606)		
822	2946 (6496)	2563 (5651)	2318 (5110)	2171 (4785)	2063 (4547)	1964 (4331)	1876 (4136)	1758 (3876)	1670 (3681)	1532 (3378)	1444 (3183)	1365 (3010)	1316 (2901)	1208 (2663)		
823	3541 (7807)	3148 (6939)	2853 (6289)	2656 (5855)	2508 (5530)	2361 (5204)	2262 (4988)	2115 (4662)	2016 (4445)	1869 (4120)	1771 (3903)	1672 (3687)				
824	3761 (8291)	3414 (7527)	3117 (6872)	2909 (6414)	2751 (6065)	2632 (5803)	2533 (5585)	2375 (5236)	2246 (4953)	2118 (4669)	2009 (4429)	1930 (4254)				
825	4830 (10649)	4328 (9541)	3963 (8737)	3707 (8172)	3529 (7780)	3381 (7454)	3243 (7150)	3056 (6737)	2869 (6324)	2691 (5933)	2563 (5651)	2435 (5368)				
826	5196 (11455)	5196 (11455)	5098 (11239)	4745 (10461)	4480 (9877)	4274 (9423)	4157 (9164)	3892 (8580)	3725 (8213)	3480 (7673)	3294 (7262)	3108 (6851)				
827	5917 (13045)	5917 (13045)	5917 (13045)	5917 (13045)	5917 (13045)	5917 (13045)	5917 (13045)	5917 (13045)								

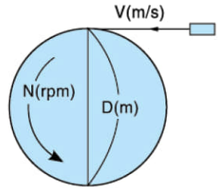
Load Position Factor (High Speed Shaft) Lf_H

Position mm (in)	< 5 < 0.2	10 0.4	15 0.6	20 0.8	25 1.0	30 1.2	35 1.4	40 1.6	45 1.8	50 2.0	60 2.4	70 2.8	80 3.1	90 3.5	100 4.0	120 4.7	140 5.5	160 6.3	180 7.0	200 8.0
807	0.73	0.91	1.20	1.60	2.00															
808	0.73	0.91	1.20	1.60	2.00															
809	0.88	0.96	1.20	1.59	2.00	2.38														
810	0.91	0.97	1.20	1.59	2.00	2.38														
812		0.81	0.93	1.14	1.41	1.67	1.96	2.22												
813		0.78	0.89	1.00	1.23	1.45	1.69	1.92	2.13											
814		0.78	0.89	1.00	1.23	1.45	1.69	1.92	2.13											
816		0.92	0.95	0.98	1.05	1.18	1.28	1.41	1.52	1.64	1.85									
817			0.93	0.96	0.96	1.05	1.16	1.28	1.39	1.49	1.72	1.92	2.17							
818				0.93	0.96	0.96	1.05	1.15	1.25	1.35	1.56	1.75	1.96	2.17						
819				0.93	0.95	0.98	1.00	1.09	1.16	1.25	1.41	1.59	1.75	1.92	2.08					
820					0.93	0.95	0.97	1.00	1.04	1.10	1.22	1.33	1.45	1.56	1.68	1.91				
821					0.93	0.95	0.98	1.00	1.03	1.08	1.19	1.29	1.40	1.51	1.61	1.82				
822					0.94	0.96	0.98	1.00	1.02	1.04	1.08	1.14	1.24	1.33	1.42	1.60				
823					0.84	0.86	0.87	0.89	0.93	0.98	1.07	1.16	1.25	1.34	1.44	1.62				
824					0.91	0.92	0.94	0.96	0.98	0.99	1.07	1.15	1.24	1.33	1.42	1.59				
825							0.92	0.93	0.94	0.96	0.99	1.03	1.09	1.16	1.22	1.34	1.47	1.60	1.72	
826							0.92	0.93	0.94	0.96	0.99	1.03	1.09	1.16	1.22	1.34	1.47	1.60	1.72	
827									0.93	0.94	0.97	0.99	1.04	1.14	1.22	1.39	1.56	1.72	1.92	2.08

Allowable Overhung Load (High Speed Shaft) kgf (lbf)								
FRAME NUMBER	RATIO	Input Speed (r.p.m)						
		1800	1500	1200	1000	900	750	600
807	6 ~ 17.25 ~ 35	19.7 (43.3)	14.7 (32.5)	14.7 (32.5)	19.7 (43.3)	19.7 (43.3)	19.7 (43.3)	19.7 (43.3)
	21.43	7.9(17.3)	2.9(6.5)	4.9(10.8)	4.9(10.8)	4.9(10.8)	4.9(10.8)	4.9(10.8)
808	6 ~ 17.25 ~ 35	19.7 (43.4)	14.7 (32.5)	14.7 (32.5)	19.7 (43.4)	19.7 (43.4)	19.7 (43.4)	19.7 (43.4)
	21,43,51,59	4.9(10.8)	4.9(10.8)	4.9(10.8)	4.9(10.8)	4.9(10.8)	14.7 (32.5)	19.7 (43.4)
809	6 ~ 17.25 ~ 71,119	29.6 (65.3)	29.6 (65.3)	29.6 (65.3)	29.6 (65.3)	29.6 (65.3)	29.6 (65.3)	29.6 (65.3)
	21.87	19.8 (43.5)	19.8 (43.5)	19.8 (43.5)	19.8 (43.5)	24.7 (54.4)	24.7 (54.4)	29.6 (65.3)
810	6 ~ 11.17 ~ 119	44.3 (97.7)	44.3 (97.7)	49.2(109)	54.2(119)	59.1(130)	59.1(130)	59.1(130)
	13.15	44.3 (97.7)	34.5(76)	44.3 (97.7)	49.2(109)	49.2(109)	54.2(119)	59.1(130)
812	6 ~ 17	59(130)	68.8(152)	73.7(163)	78.7(173)	88.5(195)	88.5(195)	88.5(195)
	21 ~ 87	54.1(119)	44.2 (97.5)	49.2(108)	54.1(119)	59(130)	88.5(195)	88.5(195)
813	6 ~ 21	138(303)	138(303)	138(303)	152(336)	162(357)	172(379)	187(412)
	25 ~ 87	128(282)	128(282)	128(282)	138(303)	147(325)	157(347)	177(390)
814	6.8	138(305)	138(305)	138(305)	153(337)	163(359)	173(381)	187(413)
	11 ~ 21	123(272)	98.7(218)	109(239)	118(261)	123(272)	133(294)	148(326)
	25	109(239)	113(250)	118(261)	128(283)	133(294)	138(305)	148(326)
	29 ~ 87	109(239)	113(250)	118(261)	128(283)	133(294)	138(305)	148(326)
816	8 ~ 25, 51, 59	178(391)	178(391)	197(435)	207(457)	217(478)	217(478)	217(478)
	29 ~ 43, 71, 87	108(239)	118(261)	128(283)	138(304)	138(304)	158(348)	178(391)
817	11 ~ 87	207(456)	207(456)	227(500)	227(500)	237(521)	246(543)	266(587)
818	11 ~ 87	276(608)	256(564)	276(608)	295(651)	305(673)	335(738)	345(760)
819	11 ~ 25	306(675)	306(675)	326(718)	355(784)	365(805)	395(871)	395(871)
	29 ~ 87	267(588)	257(566)	286(631)	296(653)	316(696)	336(740)	365(805)
820	11 ~ 87	544(1200)	496(1093)	544(1200)	594(1309)	614(1353)	629(1386)	624(1375)
821	11 ~ 87	576(1270)	512(1129)	547(1205)	616(1357)	635(1401)	685(1509)	729(1607)
822	11 ~ 87	663(1462)	579(1278)	599(1321)	614(1353)	663(1462)	697(1537)	751(1656)
823	11 ~ 87	--	--	1003(2212)	954(2103)	920(2028)	900(1984)	875(1930)
824	11 ~ 87	--	--	1118(2465)	1019(2247)	1019(2247)	1069(2356)	1128(2487)
825	11 ~ 87	--	--	1183(2608)	1084(2391)	1134(2499)	1232(2717)	1321(2912)
826	11 ~ 87	--	--	1176(2594)	1078(2377)	1127(2486)	1225(2702)	1314(2896)
827	29 ~ 87	--	--	1479(3261)	1479(3261)	1479(3261)	1479(3261)	1479(3261)

FORMULA OF DRIVE SYSTEM

1. Revolving Speed N(rpm), Velocity V(m/s)

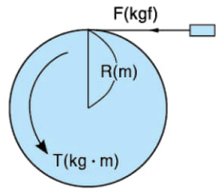


$V = \pi \cdot D \cdot \frac{N}{60}$ (m/s)

D: Wheel Diameter (m)

(π=3.14)

2.Torque T (kgf.m)



T=F · R · (kgf · m)

F: Load (kgf)

R: Wheel Radius (m)

1kgf · m=86.8 in · lbs

3.Power P (KW)



$P = \frac{F \cdot V}{102}$ (kw)

F: Load (kgf)

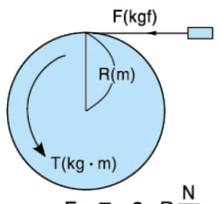
V: Velocity (m/s)

1HP=0.74569 kw

1kw=1.341HP

4.Power P(KW),Torque T (kgf·m) Revolving Speed N (rpm)

$P = \frac{N \cdot T}{975}$ (kw), $T = \frac{975 \cdot P}{N}$ (kw)



$P = \frac{F \cdot V}{102}$ (kw)

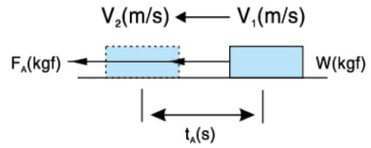
$V = \pi \cdot 2 \cdot R \cdot \frac{N}{60}$ (m/s)

$\therefore P = \frac{F \cdot \pi \cdot 2 \cdot R\frac{N}{60}}{102} = \frac{2 \cdot \pi}{102x60} N \cdot F \cdot R \cdot$ (KW)

Since T=F.R

$\therefore P = \frac{2 \cdot \pi}{102x60} \cdot N \cdot T = \frac{N \cdot T}{975}$ (kW)

5.Acceleration Torque TA (kgf)



$F_A = m \cdot a = \frac{W}{g} \cdot \frac{V_2 - V_1}{t_A}$ (kgf)

$m = \frac{W}{g}$ (kgf), $a = \frac{V_2 - V_1}{t_A}$

W: Weight (kgf)

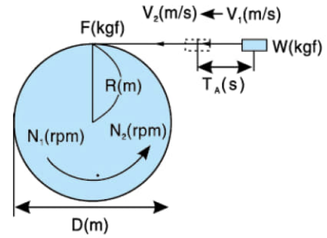
g: Acceleration of Gravity: 9.8 (m/s²)

m: Mass (kgf · s²m)

a: Acceleration (m/s²)

tA: Acceleration Time (sec.)

6.Acceleration Torque TA (kgf · m)



$T_A = F_A \cdot R$, $F_A = \frac{W}{g} \cdot \frac{V_2 - V_1}{t_A}$

$V_2 = \pi \cdot D \cdot \frac{N_2}{60}$, $V_1 = \pi \cdot D \cdot \frac{N_1}{60}$, $R = \frac{D}{2}$

$\therefore T_A = \frac{W}{g} \cdot \frac{\frac{\pi \cdot D}{60}(N_2 - N_1)}{t_A} \cdot \frac{D}{2}$

$= \frac{\pi \cdot W \cdot D}{60 \cdot g} \cdot \frac{N_2 - N_1}{t_A} \cdot \frac{D}{2}$

$= \frac{W \cdot D^2}{375} \cdot \frac{N_2 - N_1}{t_A}$ (kgf · m)

Since W · D² is GD² (Flywheel Effect: (kgf · m²)

$T_A = \frac{GD^2}{375} \cdot \frac{N_2 - N_1}{t_A}$ (kgf · m)

TRANSCYKO GLOBAL SUCCESS STORIES

