



TH SERIES

1. SUMMARIZE

TH Helical Gear Box / Geared Motor series is a range of inline gear units which is a next generation mechano-electrical integrated product, designed based on the compact modular system. The TH series Helical Gear units are well known to be the unmatched range of helical geared motors and speed reducers as it is capable of exhibiting optimum torque density, product range, price effectiveness and gear compactness.

TH series Helical Gear units can be connected with wide variety of motors such as normal motor, brake motor, IEC motor and etc., This kind of product is widely used in drive fields such as textile, food processing units, beverage, chemical industry, material handling equipments, automobile, metallurgy, Pharma, environment- protection, logistics and many more.

Product development is assured by qualified professionals using latest design software/systems/tools.

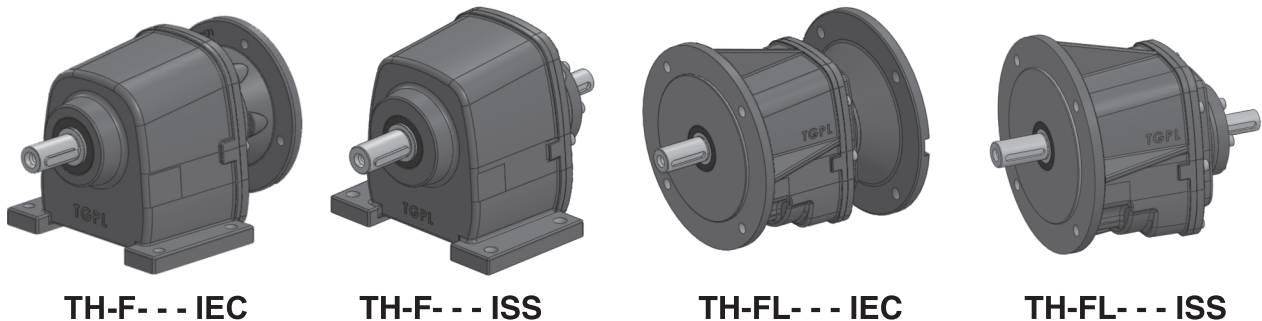
Significant production flexibility guarantees a rapid flow of components with high level quality with the usage of state of art machineries and equipments.

We have In-house well equipped testing facilities for quality check & development aimed to ensure effective performances.

1.1 Product Features:

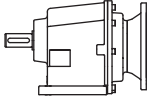
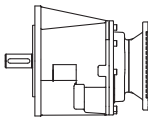
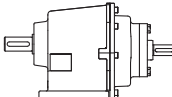
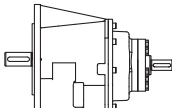
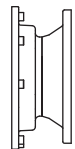
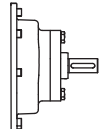
- High durability and reliability
- Effective space utility, refined design
- High torque
- Quite and noiseless operation
- Accepts standard IEC motors
- Very easy to dismantle motor from geared motor
- Wide range of ratios & Versatile mounting
- Gears from hardened and case-hardened steel
- Mechanical rating – 0.12KW to 37KW
- Powder coated blue colour grade of RAL 5015

2. PRODUCT STRUCTURE PICTURE



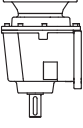
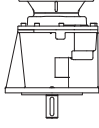
3. MODEL DESIGNATION

3.1 GEARBOX MODEL DESIGNATION

| TH | 25 | 2 | F | 14 | F80 | B5 | B3 |
|---------------|--|-----------------|--|-------|--|--|--|
| GEAR BOX TYPE | GEAR BOX FRAME | NO.OF REDUCTION | MOUNTING | RATIO | GEARBOX INPUT FRAME SIZE | GEAR BOX INPUT FLANGE CONFIGURATION | GEAR BOX MOUNTING POSITION |
| | 20 (or) 25 (or) 30 (or) 35 (or) 40 (or) 50 (or) 60 (or) 80 | 2 (or) 3 | F- FOOT  (or) FL-FLANGE  | | F63 (or) F71 (or) F80 (or) F90 (or) F100 (or) F112 (or) F132 (or) F160 (or) F180 (or) F200 (or) ISS (INPUT SOLID SHAFT)   | B5  (or) ISS  | B3 (or) B6 (or) B7 (or) B8 (or) V5 (or) V6 (or) B5 (or) V1 (or) V3 |

REFER
PAGE NO 11

3.2 GEARED MOTOR MODEL DESIGNATION

| TH | 25 | 2 | F | 14 | F80 | B5 | B3 | TM63A | 4 | B5 | DCB | SPL. OPTIONS |
|---------------|--|-----------------|---|-------|--|-------------------------------------|--|--|-----------------------------|---|---|---|
| GEAR BOX TYPE | GEAR BOX FRAME | NO.OF REDUCTION | MOUNTING | RATIO | GEARBOX INPUT FRAME SIZE | GEAR BOX INPUT FLANGE CONFIGURATION | GEAR BOX MOUNTING POSITION | MOTOR SIZE | NUMBER OF POLES | MOUNTING | DC BRAKE | OPTION - 1 |
| | 20 (or) 25 (or) 30 (or) 35 (or) 40 (or) 50 (or) 60 (or) 80 | 2 (or) 3 | F-FOOT  (or) FL-FLANGE  | | F63 (or) F71 (or) F80 (or) F90 (or) F100 (or) F112 (or) F132 (or) F160 (or) F180 (or) F200 | ONLY B5 | B3 (or) B6 (or) B7 (or) B8 (or) V5 (or) V6 (or) B5 (or) V1 (or) V3 | TM63A (or) TM63B (or) TM71A (or) TM71B (or) TM80A (or) TM80B (or) TM90S (or) TM90L (or) TM100L (or) TM112M (or) TM132S (or) TM132M (or) TM160M (or) TM160L (or) TM180M (or) TM180L (or) TM200L | 2 (or) 4 (or) 6 | B5- FLANGE (or) B3/B5 FOOT WITH B5 FLANGE | 190 DC VOLTS WITH RELEASE LEVER | OPTION - 1 TB1 (or) TB2 (or) TB3 (or) TB4 (or) TB4 OPTION -3 N-ES OPTION -4 FC |
| | | | | | | | | | | | | FOR FULL DETAILS REFER PAGE NO: 143 |
| | | | | | | | | | | | | REFER PAGE NO 11 |

4. RELEVANT PARAMETER

4.1 Power P

$$P_1 = \frac{P_2}{\eta} \text{ [kW]}$$

$$P_{1n} \geq P_1 \cdot f_s \text{ [kW]}$$

- P_1 Input power
- P_2 Output power
- P_{1n} Rated input motor power
- f_s Service factor
- η Transmission efficiency

The parameter can be found in the TH/ISS gearbox rating charts and represents the KW that can be safely transmitted to the gearbox, based on input speed n_1 and service factor $f_s=1$.

4.2 Rotation speed n

- n_1 Gear units input speed
- n_2 Gear units output speed

If driven by the external gearing, 1400r/min or lower rotation speed is suggested so as to optimize the working conditions and prolong the service life.

4.3 Transmission ratio i

$$i = \frac{n_1}{n_2}$$

4.4 Torque M

$$M_2 = \frac{9550 \cdot P_1 \cdot \eta}{n_2} \text{ [Nm]}$$

$$M_{2n} \geq M_2 \times f_s \text{ [Nm]}$$

- M_2 Output torque
- M_{2n} Rated output torque
- P_1 Input power
- η Transmission efficiency
- f_s Service factor

5. SERVICE FACTOR f_s

For deciding the proper size of gear unit portion of the geared motor, a suitable service factor is to be considered over the motor power. For finding out the service factor, mechanical service factor f_1 and frequency starts factor f_2 , as given in table 5.1 and 5.2 respectively are taken into consideration. For deciding mechanical service factor, the type of load of driven machine as given in table 7 is considered.

5.1 MECHANICAL SERVICE FACTOR - f_1

| Duration of service (hours per day) | Load Classifications of Driven Machine | | |
|-------------------------------------|--|-----------------------|--------------------|
| | Uniform load U | Moderate shock load M | Heavy shock load H |
| up to 3 | 0.80 | 1.00 | 1.50 |
| over 3 up to 10 | 1.00 | 1.25 | 1.75 |
| over 10 | 1.25 | 1.50 | 2.00 |

5.2 FREQUENCY STARTS FACTOR - f_2

| Starts Per Hour | Mechanical Service Factor - f_1 | | | | | |
|-----------------|-----------------------------------|------|------|------|------|------|
| | 0.8 | 1.0 | 1.25 | 1.5 | 1.75 | 2.0 |
| 1 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 2 to 20 | 1.20 | 1.10 | 1.08 | 1.07 | 1.07 | 1.06 |
| 21 to 40 | 1.30 | 1.20 | 1.17 | 1.16 | 1.15 | 1.08 |
| 41 to 80 | 1.50 | 1.40 | 1.25 | 1.23 | 1.18 | 1.10 |
| 81 to 160 | 1.60 | 1.50 | 1.35 | 1.30 | 1.20 | 1.10 |
| 161 to 320 | 2.00 | 1.80 | 1.70 | 1.60 | 1.50 | 1.40 |

6. MASS ACCELERATION FACTOR

The mass acceleration factor is calculated as follows:

$$fa = \frac{Jc}{Jm}$$

fa Mass acceleration factor

Jc All external mass moments of inertia [kgm^2]

Jm Mass moment of inertia on the motor end [kgm^2]

If mass acceleration factors $fa > 10$, please call our Technical Service.

Service factor f_s should be adjusted as followings:

- 1) Ambient temperature is 30 ~ 40°C: $f_s \times (1.1 \sim 1.2)$
- 2) Ambient temperature is 40 ~ 50°C: $f_s \times (1.3 \sim 1.4)$
- 3) Ambient temperature is 50 ~ 60°C: $f_s \times (1.5 \sim 1.6)$
- 4) Ambient temperature >60°C, Please call our Technical Service.

7. LOAD CLASSIFICATION

U = Uniform load M = Medium shock load H = Heavy shock load

* = Only on the basis of 24 hrs service

** = Load can be exactly classified, for instance,

| Load classification symbols listed acc. to applications and industries | | |
|--|---|---------------------------------------|
| Building machinery | Cranes ** | Rolls |
| M Hoists | M Derricking jib gears | M Chain transfers * |
| M Road construction machinery | H Hoisting gears | H Cold rolling mills * |
| | M Slewing gears | H Continuous casting plants * |
| Cement industry | H Travelling gears | M Cooling beds * |
| H Ball mills * | | M Cross transfers * |
| H Beater mills * | Dredgers | H Descaling machines * |
| H Breakers | H Bucket conveyors | H Ingot handling machinery * |
| H Brick presses | H Bucket wheels | H Manipulators * |
| M Concrete mixers | H Cutter heads | H Reversing plate mills * |
| H Hammer mills * | M Manoeuvring winches | H Reversing sheet mills * |
| H Rotary kilns * | M Slewing gears | H Reversing slabbing mills * |
| | H Travelling gears (caterpillar) | M Roll adjustment drives |
| H Tube mills * | M Travelling gears (rails) | H Tube welding machines * |
| | | M Winding machines (strip and wire) * |
| Centrifugal compressors | | |
| M Centrifugal compressors | Food industry machinery | M Wire drawing benches |
| | U Bottling and container filling machines | Shears |
| Chemical industry | M Kneading machines | H Billet shears * |
| U Agitators (liquid material) | M Mash tubs, crystallizers | H Cropping shears * |
| M Agitators (semi-liquid material) | U Packaging machines | H Plate shears * |
| M Calenders * | Beet sugar production | M Trimming shears * |
| M Centrifuges (heavy) | M Sugar beet cutters | |
| | M Sugar beet washing machines | Oil industry |
| U Centrifuges (light) | Cane sugar production | M Pipeline pumps * |
| M Cooling drums * | M Cane crushers * | H Rotary drilling equipment |
| M Crushers | M Cane knives * | |
| H Dough mills * | M Cane mills * | Paper machines |
| M Drying drums * | | H Paper machines of all kind * |
| H Extruders * | Frequency converters | |
| M Mixers | H Frequency converters | Piston compressors |
| H Rolling mills * | H Generators | H Piston compressors |
| | H Welding generators | |
| Conveyors | | Textile machines |
| M Apron conveyors | | M Batchers |
| M Ballast elevators | Laundries | M Looms |
| M Band pocket conveyors | M Tumblers | M Printing and dyeing machines |
| M Belt conveyors (bulk material) | M Washing machines | M Tanning vats |
| H Belt conveyors (piece goods) | | |
| U Bucket conveyors for flour | Metal working machines | M Willows |
| M Chain conveyors | U Countershafts, line shafts | |
| M Circular conveyors | H Forging presses | Waste water treatment |
| M Goods lifts | H Hammers * | M Aerators * |
| | U Machine tools, auxiliary drives | Pumps |
| M Hauling winches | M Machine tools, main drives | U Centrifugal pumps (light liquids) |
| H Hoists * | | M Centrifugal pumps (viscous liquids) |
| | H Metal planing machines | |
| H Inclined hoists * | H Plate straightening machines | H Piston pumps |
| M Link conveyors | H Presses | H Plunger pumps * |
| M Passenger lifts | H Punch presses | H Pressure pumps * |
| M Screw conveyors | M Shears | M Suction pumps |
| M Steel belt conveyors | M Sheet metal bending machines | |
| M Trough chain conveyors | | Wood working machines |
| | Metal working mills | M Planing machines |
| Cooling towers | H Ingot pushers * | H Saw frames * |
| U Blowers (axial and radial) | M Plate tilters * | U Wood working machines |
| M Cooling tower fans | | |
| | M Roller straighteners * | |
| | H Roller tables (heavy) * | |
| | M Roller tables (light) * | |

8. RADIAL LOADS F_r

When determining the resulting radial loads, the type of transmission elements, mounted on the shaft end must be considered. Various transmission elements are corresponding with following transmission element factors f_z :

| Transmission element | Transmission element factor f_z | Comments |
|-----------------------|-----------------------------------|--------------------------------|
| Gears | 1.00 | ≥ 17 / teeth |
| | 1.15 | < 17 / teeth |
| Chain sprockets | 1.00 | ≥ 20 / teeth |
| | 1.25 | < 20 / teeth |
| | 1.40 | < 13 / teeth |
| Narrow V-belt pulleys | 1.75 | Influence of the tensile force |
| Flat belt pulleys | 2.50 | Influence of the tensile force |
| Toothed belt pulleys | 2.50 | Influence of the tensile force |

The overhung loads exerted on the motor or gear shaft is then calculated as follows:

$$F_r = \frac{M \cdot 2000 \cdot f_z}{d_0} \quad [\text{N}]$$

F_r Resulting radial load [N]

M Torque on the shaft [Nm]

d_0 Mean diameter of the mounted transmission element in [mm]

f_z Transmission element factor

The allowed radial load force on the shaft is calculated with the following formula:

$$F_x L \leq \frac{F_{r_2} \cdot a}{(b+x)} \quad [\text{N}]$$

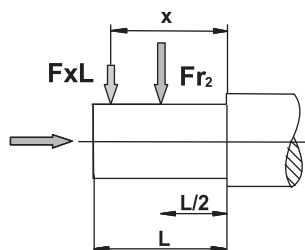
F_{r_2} Permitted overhung load ($x = L/2$) for foot-mounted gear units according to the selection tables in [N]

a, b Gear unit constant for overhung load conversion [mm]

x Distance from the shaft shoulder to the force application point in (mm)

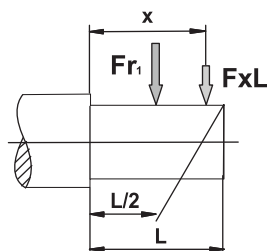
The values of a , b , F_{r_2} are given in the following tables:

Output shafts radial loads



| TH | 20 | 25 | 30 | 35 | 40 | 50 | 60 | 80 |
|---------------------------|------|-------|------|-------|-------|-------|-------|-------|
| a | 99.5 | 116.5 | 132 | 147.5 | 163 | 204 | 240.5 | 258 |
| b | 79.5 | 91.5 | 102 | 112.5 | 123 | 154 | 180.5 | 178 |
| Fr₂ max | 2300 | 5000 | 5500 | 7000 | 10000 | 16000 | 25000 | 31000 |

Input shafts radial loads



| TH | 20 | 25 | 30 | 35 | 40 | 50 | 60 | 80 |
|---------------------------|------|------|------|------|-------|------|------|-------|
| a | 78.5 | 78.5 | 82 | 89 | 117.5 | 134 | 163 | 214.5 |
| b | 58.5 | 58.5 | 57 | 64 | 87.5 | 94 | 108 | 159.5 |
| Fr₁ max | 1300 | 1300 | 2200 | 3500 | 3500 | 4700 | 7000 | 7000 |

9. POSSIBLE ASSEMBLING

TH20

| | i (RATIO) | IEC63 | IEC71 | IEC80 | IEC90 | |
|--------------------------------|---|-------|-------|-------|-------|--|
| TWO S T A G E | (3.6) (4.6) (5.5) (7.7) (8.9) (11.3) (12.3) (14.4) | | | | | |
| | (16.7) (21.2) (23.1) (25.4) (28.0) (31.1) (34.8) (39.3) | | | | | |
| | | | | | | |
| THREE S T A G E | (46.8) (51.1) (56.1) (61.9) (68.7) (76.9) | | | | | |
| | (87.8) (95.9) (105.2) (116.0) (128.8) (144.2) (163.0) | | | | | |
| | | | | | | |

TH25

| | i (RATIO) | IEC63 | IEC71 | IEC80 | IEC90 | |
|--------------------------------|--|-------|-------|-------|-------|--|
| TWO S T A G E | (3.8) (5.0) (6.6) (7.9) (9.0) (10.3) (12.0) (14.9) | | | | | |
| | (17.0) (19.5) (22.6) (26.7) | | | | | |
| | (32.1) (35.5) (39.7) (44.7) | | | | | |
| THREE S T A G E | (49.5) (58.3) (61.3) | | | | | |
| | (69.8) (80.2) (93.2) (109.9) (132.2) (146.4) | | | | | |
| | (163.4) (184.2) | | | | | |

TH30

| | i (RATIO) | IEC63 | IEC71 | IEC80 | IEC90 | IEC100 | IEC112 |
|--------------------------------|---|-------|-------|-------|-------|--------|--------|
| TWO S T A G E | (3.6) (5.1) (6.1) (7.9) (9.2) | | | | | | |
| | (10.7) (12.6) (15.0) (17.3) (20.1) (23.8) | | | | | | |
| | (28.8) (31.9) (35.7) | | | | | | |
| THREE S T A G E | (41.8) (48.0) | | | | | | |
| | (55.8) (65.7) (78.8) (90.5) (105.1) | | | | | | |
| | (123.9) (149.1) (165.0) (184.2) (207.6) | | | | | | |

TH35

| | i (RATIO) | IEC63 | IEC71 | IEC80 | IEC90 | IEC100 | IEC112 |
|--------------------------------|--|-------|-------|-------|-------|--------|--------|
| TWO S T A G E | (3.7) (5.0) (6.1) (7.0) (8.1) (8.8) | | | | | | |
| | (10.4) (12.4) (14.4) (18.4) | | | | | | |
| | (22.1) (24.4) (27.1) (30.3) (34.3) | | | | | | |
| THREE S T A G E | (36.6) (42.3) (49.3) (58.4) (70.4) | | | | | | |
| | (87.5) (103.6) (125.0) (138.6) (155.0) | | | | | | |
| | | | | | | | |

TH40

| i (RATIO) | | IEC71 | IEC80 | IEC90 | IEC100 | IEC112 | IEC132 |
|--------------------------------|--|-------|-------|-------|--------|--------|--------|
| TWO S T A G E | (4.4) (5.6) (6.9) (7.4) (8.6) (10.0) (11.9) (13.4) | | | | | | |
| | (15.7) (18.7) (20.5) (22.6) (24.6) | | | | | | |
| | (27.1) (30.0) (33.5) (37.8) | | | | | | |
| THREE S T A G E | (39.4) (42.6) (50.3) (60.3) (66.5) | | | | | | |
| | (78.6) (94.3) (104.1) (115.6) (129.5) (146.5) | | | | | | |
| | | | | | | | |

TH50

| i (RATIO) | | IEC80 | IEC90 | IEC100 | IEC112 | IEC132 | IEC160 |
|--------------------------------|---|-------|-------|--------|--------|--------|--------|
| TWO S T A G E | (4.3) (5.6) (6.9) (8.0) (8.7) (10.2) | | | | | | * |
| | (12.9) (15.0) (18.9) (21.9) | | | | | | * |
| | (23.7) (25.7) (28.1) (30.9) (34.1) (38.0) | | | | | | |
| THREE S T A G E | (41.2) (48.2) | | | | | | |
| | (57.2) (69.3) | | | | | | |
| | (83.7) (91.8) (101.3) (110.5) | | | | | | |
| | (121.5) (134.6) (150.3) (169.4) | | | | | | |

TH60

| i (RATIO) | | IEC90 | IEC100 | IEC112 | IEC132 | IEC160 | IEC180 |
|--------------------------------|--|-------|--------|--------|--------|--------|--------|
| TWO S T A G E | (4.6) (5.8) (7.1) (8.7) (10.1) (11.9) (14.6) | | | | | | * |
| | (17.2) | | | | | | * |
| | (19.8) (21.5) (23.6) (25.9) (28.7) (32.1) | | | | | | |
| THREE S T A G E | (36.6) (39.5) | | | | | | |
| | (46.4) (58.8) (68.1) (80.1) | | | | | | |
| | (87.5) (96.1) (106.5) (115.8) | | | | | | |
| | (126.4) (138.8) (153.5) (171.2) | | | | | | |

TH80

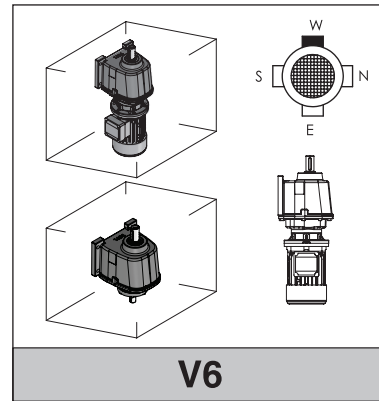
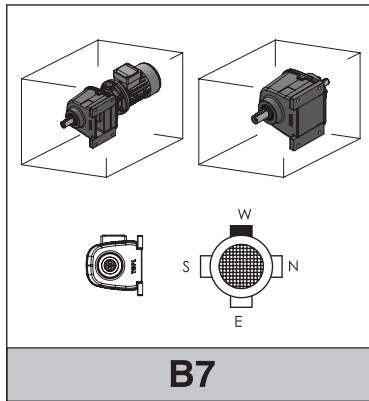
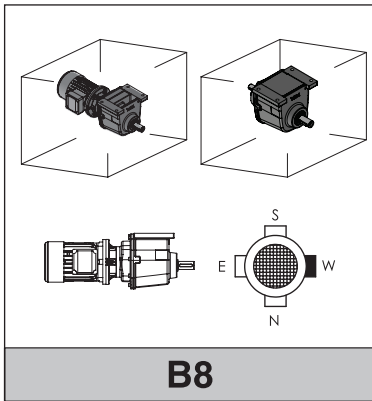
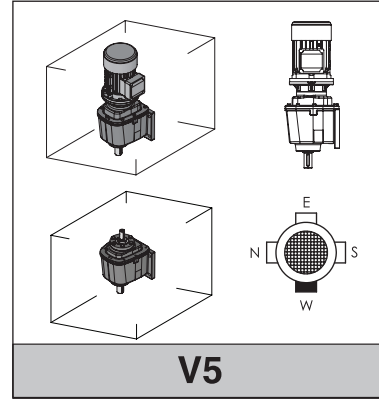
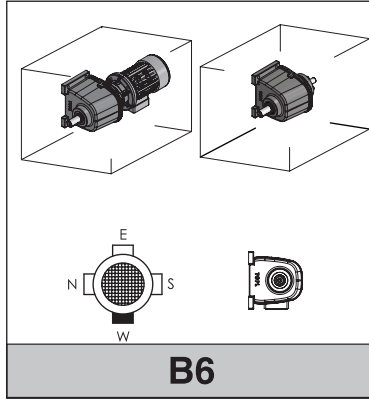
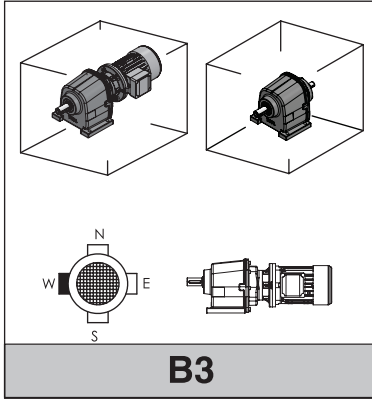
| i (RATIO) | | IEC100 | IEC112 | IEC132 | IEC160 | IEC180 | IEC200 |
|--------------------------------|---|--------|--------|--------|--------|--------|--------|
| TWO S T A G E | (4.6)(5.8)(7.0)(8.7)(10.1)(11.9)(13.2)(15.3) | | | | | | * |
| | (18.0)(20.3) | | | | | | * |
| | (22.1)(24.2)(26.7)(29.6)(33.0) | | | | | | |
| THREE S T A G E | (35.7) (44.0) (51.1) | | | | | | |
| | (60.2) (66.8) | | | | | | |
| | (77.7) (91.4) (104.9) (114.2) (125.0) (137.5) | | | | | | |
| | (152.3) (170.1) | | | | | | |

*Motor mounting should be B3/B5 (Foot Cum Flange) for Gear Box Mounting position B3, B5, B6, B7 & B8

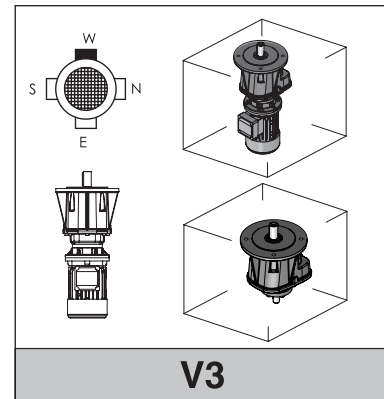
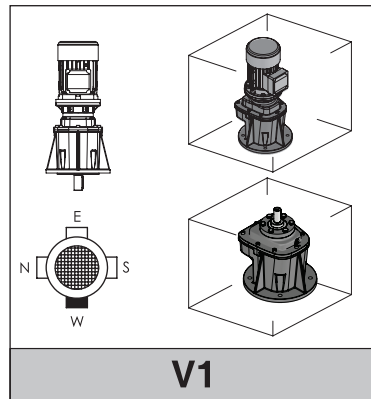
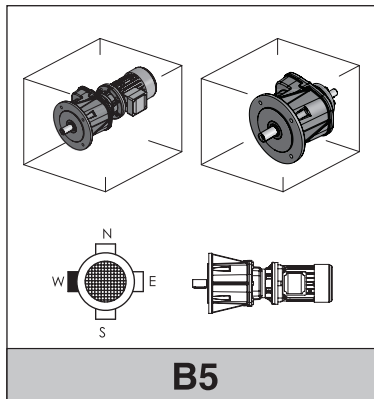
10. MOUNTING POSITIONS

MOUNTING POSITION FOR GEAR BOX & GEARED MOTOR

F - FOOT MOUNTING




FL - FLANGE MOUNTING



11. LUBRICATION

TGPL – TH Series gearbox inner parts are flash lubricated and models TH20, 25, 30 & 35 are filled with long life Synthetic oil and the other models TH40, 50, 60 & 80 are filled with mineral oil. In case of ambient temperatures under -15°C or over 50°C , please consult our technical team.

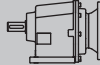


11.1 LUBRICANT DETAILS

| MODEL | GRADE | | | OIL TYPE | AMBIENT TEMPERATURE | |
|--------------|------------|-------------|------------|---------------|---|------------------|
| | LIGHT DUTY | NORMAL DUTY | HEAVY DUTY | |  | |
| TH20 TO TH35 | 150 | 220 | 320 | SYNTHETIC OIL | -15 ^c | +50 ^c |
| TH40 TO TH80 | 220 | 220 | 320 | MINERAL OIL | | |

11.2 Quantity of Lubricant (Ltrs)




| Model | MOUNTING POSITIONS | | | | | | | | |
|--------|--------------------|------|------|------|------|------|--------|------|------|
| | FOOT | | | | | | FLANGE | | |
| | B3 | B6 | B7 | B8 | V5 | V6 | B5 | V1 | V3 |
| TH20-2 | 0.4 | 0.37 | 0.37 | 0.37 | 0.45 | 0.55 | 0.4 | 0.45 | 0.55 |
| TH20-3 | 0.4 | 0.37 | 0.37 | 0.37 | 0.6 | 0.5 | 0.4 | 0.65 | 0.55 |
| TH25-2 | 0.7 | 0.65 | 0.65 | 0.65 | 0.75 | 0.85 | 0.55 | 0.6 | 0.83 |
| TH25-3 | 0.75 | 0.7 | 0.7 | 0.7 | 1.0 | 0.85 | 0.6 | 0.88 | 0.85 |
| TH30-2 | 0.9 | 0.85 | 0.85 | 0.85 | 1.0 | 1.3 | 0.9 | 1.0 | 1.3 |
| TH30-3 | 0.9 | 0.85 | 0.85 | 0.85 | 1.35 | 1.1 | 0.9 | 1.35 | 1.15 |
| TH35-2 | 1.2 | 1.1 | 1.1 | 1.0 | 1.3 | 1.7 | 1.2 | 1.3 | 1.7 |
| TH35-3 | 1.2 | 1.1 | 1.1 | 1.0 | 1.8 | 1.75 | 1.2 | 1.8 | 1.75 |
| TH40-2 | 2.2 | 2.2 | 2.2 | 2.5 | 2.8 | 2.6 | 2.2 | 2.8 | 2.6 |
| TH40-3 | 2.2 | 2.2 | 2.2 | 2.5 | 3.0 | 2.8 | 2.2 | 3.0 | 2.8 |
| TH50-2 | 3.5 | 3.4 | 3.4 | 4.0 | 4.5 | 4.3 | 3.5 | 4.5 | 4.3 |
| TH50-3 | 3.5 | 3.4 | 3.4 | 4.0 | 4.9 | 5.0 | 3.5 | 4.9 | 5.0 |
| TH60-2 | 6.0 | 5.8 | 5.8 | 6.3 | 8.0 | 7.6 | 6.0 | 8.0 | 7.6 |
| TH60-3 | 6.0 | 5.8 | 5.8 | 6.3 | 11.0 | 10.5 | 6.0 | 11.0 | 10.5 |
| TH80-2 | 12.0 | 11.5 | 11.8 | 11.5 | 13.7 | 16.8 | 10.0 | 11.6 | 15.0 |
| TH80-3 | 12.0 | 11.5 | 11.8 | 11.5 | 18.0 | 19.7 | 10.0 | 15.8 | 18.8 |

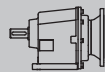
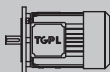

12. SYMBOLS AND UNITS OF MEASURE

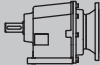


| P_{1n} [kW] | n_2 [r/min] | M_{2n} [Nm] | i | F_{r2} [N] | f_s |  |  |  |
|---------------------------|------------------|---------------------|-----------------|--------------------------|----------------|---|---|---|
| Rated power driving motor | Output speed | Rated output torque | Gear unit ratio | Output Shaft radial load | Service factor | Gear unit Size | Motor Size | Page number - Dimension details |

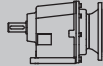


13. HELICAL GEAR UNIT SELECTION TABLES




13.1 TH..(IEC).. Performance Parameter

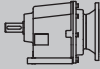


| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr2 [N] |  |  |  |
|-------------|-------------|-------------|-------|------|------------|--|---|---|
| 0.12 | 6.7 | 165.9 | 207.6 | 1.8 | 5500 | TH30 3 63B5 | TM 63 A4 | 63 |
| | 7.6 | 146.2 | 184.2 | 1.4 | 5000 | TH25 3 63B5 | TM 63 A4 | 61 |
| | 8.6 | 129.7 | 163.4 | 1.5 | 5000 | TH25 3 63B5 | TM 63 A4 | 61 |
| | 8.6 | 129.4 | 163.0 | 0.9 | 2300 | TH20 3 63B5 | TM 63 A4 | 59 |
| | 9.6 | 116.2 | 146.4 | 1.7 | 5000 | TH25 3 63B5 | TM 63 A4 | 61 |
| | 9.7 | 114.5 | 144.2 | 1.0 | 2300 | TH20 3 63B5 | TM 63 A4 | 59 |
| | 10.6 | 105.0 | 132.2 | 1.9 | 5000 | TH25 3 63B5 | TM 63 A4 | 61 |
| | 10.9 | 102.3 | 128.8 | 1.1 | 2300 | TH20 3 63B5 | TM 63 A4 | 59 |
| | 12.1 | 92.1 | 116.0 | 1.3 | 2300 | TH20 3 63B5 | TM 63 A4 | 59 |
| | 12.7 | 87.3 | 109.9 | 2.3 | 5000 | TH25 3 63B5 | TM 63 A4 | 61 |
| | 13.3 | 83.5 | 105.2 | 1.4 | 2300 | TH20 3 63B5 | TM 63 A4 | 59 |
| | 14.6 | 76.1 | 95.9 | 1.5 | 2300 | TH20 3 63B5 | TM 63 A4 | 59 |
| | 15.0 | 74.0 | 93.2 | 2.7 | 5000 | TH25 3 63B5 | TM 63 A4 | 61 |
| | 15.9 | 69.7 | 87.8 | 1.7 | 2300 | TH20 3 63B5 | TM 63 A4 | 59 |
| | 17.4 | 63.7 | 80.2 | 3.1 | 5000 | TH25 3 63B5 | TM 63 A4 | 61 |
| | 18.2 | 61.0 | 76.9 | 2.0 | 2300 | TH20 3 63B5 | TM 63 A4 | 59 |
| | 20.0 | 55.5 | 69.8 | 3.6 | 4920 | TH25 3 63B5 | TM 63 A4 | 61 |
| | 20.4 | 54.5 | 68.7 | 2.2 | 2300 | TH20 3 63B5 | TM 63 A4 | 59 |
| | 22.6 | 49.1 | 61.9 | 2.5 | 2300 | TH20 3 63B5 | TM 63 A4 | 59 |
| | 22.8 | 48.7 | 61.3 | 4.1 | 4760 | TH25 3 63B5 | TM 63 A4 | 61 |
| | 24.0 | 46.3 | 58.3 | 4.3 | 4400 | TH25 3 63B5 | TM 63 A4 | 61 |
| | 25.0 | 44.5 | 56.1 | 2.7 | 2300 | TH20 3 63B5 | TM 63 A4 | 59 |
| | 27.4 | 40.6 | 51.1 | 3.0 | 2300 | TH20 3 63B5 | TM 63 A4 | 59 |
| | 29.9 | 37.2 | 46.8 | 3.2 | 2300 | TH20 3 63B5 | TM 63 A4 | 59 |
| | 35.6 | 31.2 | 39.3 | 3.7 | 2100 | TH20 2 63B5 | TM 63 A4 | 59 |
| | 40.2 | 27.6 | 34.8 | 4.1 | 2100 | TH20 2 63B5 | TM 63 A4 | 59 |
| | 43.6 | 25.5 | 32.1 | 7.8 | 3250 | TH25 2 63B5 | TM 63 A4 | 61 |
| | 45.0 | 24.7 | 31.1 | 4.6 | 2100 | TH20 2 63B5 | TM 63 A4 | 59 |
| | 50.0 | 22.2 | 28.0 | 5.0 | 2050 | TH20 2 63B5 | TM 63 A4 | 59 |
| | 52.4 | 21.2 | 26.7 | 9.4 | 3090 | TH25 2 63B5 | TM 63 A4 | 61 |
| | 55.2 | 20.2 | 25.4 | 5.5 | 1900 | TH20 2 63B5 | TM 63 A4 | 59 |
| | 60.5 | 18.4 | 23.1 | 6.0 | 1810 | TH20 2 63B5 | TM 63 A4 | 59 |
| | 61.8 | 18.0 | 22.6 | 11.0 | 2810 | TH25 2 63B5 | TM 63 A4 | 61 |
| | 66.0 | 16.8 | 21.2 | 6.6 | 1750 | TH20 2 63B5 | TM 63 A4 | 59 |
| | 71.8 | 15.5 | 19.5 | 12.7 | 2760 | TH25 2 63B5 | TM 63 A4 | 61 |
| | 82.5 | 13.5 | 17.0 | 13.9 | 2560 | TH25 2 63B5 | TM 63 A4 | 61 |
| | 84.0 | 13.2 | 16.7 | 7.8 | 1650 | TH20 2 63B5 | TM 63 A4 | 59 |
| | 94.0 | 11.8 | 14.9 | 15.2 | 2450 | TH25 2 63B5 | TM 63 A4 | 61 |
| | 97.2 | 11.4 | 14.4 | 8.4 | 1600 | TH20 2 63B5 | TM 63 A4 | 59 |
| | 113.4 | 9.8 | 12.3 | 9.0 | 1550 | TH20 2 63B5 | TM 63 A4 | 59 |

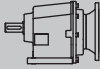


| P _{1n} [kW] | n ₂ [RPM] | M _{2n} [Nm] | i | f _s | Fr ₂ [N] |  |  |  |
|-------------------------|-------------------------|-------------------------|-------|----------------|------------------------|--|---|---|
| 0.12 | 116.6 | 9.5 | 12.0 | 17.1 | 2350 | TH25 2 63B5 | TM 63 A4 | 61 |
| | 123.8 | 9.0 | 11.3 | 10.2 | 1480 | TH20 2 63B5 | TM 63 A4 | 59 |
| | 135.4 | 8.2 | 10.3 | 18.3 | 2230 | TH25 2 63B5 | TM 63 A4 | 61 |
| | 155.6 | 7.1 | 9.0 | 20.7 | 2100 | TH25 2 63B5 | TM 63 A4 | 61 |
| | 157.5 | 7.1 | 8.9 | 10.8 | 1450 | TH20 2 63B5 | TM 63 A4 | 59 |
| | 177.2 | 6.3 | 7.9 | 24.1 | 1980 | TH25 2 63B5 | TM 63 A4 | 61 |
| | 182.3 | 6.1 | 7.7 | 11.6 | 1450 | TH20 2 63B5 | TM 63 A4 | 59 |
| | 212.4 | 5.2 | 6.6 | 26.3 | 1890 | TH25 2 63B5 | TM 63 A4 | 61 |
| | 254.4 | 4.4 | 5.5 | 12.8 | 1400 | TH20 2 63B5 | TM 63 A4 | 59 |
| | 281.1 | 4.0 | 5.0 | 26.4 | 1710 | TH25 2 63B5 | TM 63 A4 | 61 |
| | 306.3 | 3.6 | 4.6 | 13.6 | 1400 | TH20 2 63B5 | TM 63 A4 | 59 |
| | 365.5 | 3.0 | 3.8 | 28.3 | 1650 | TH25 2 63B5 | TM 63 A4 | 61 |
| | 388.9 | 2.9 | 3.6 | 14.4 | 1400 | TH20 2 63B5 | TM 63 A4 | 59 |
| 0.18 | 4.9 | 341.3 | 184.2 | 0.9 | 5500 | TH30 3 71B5 | TM 71 A6 | 63 |
| | 5.5 | 305.7 | 165.0 | 1.0 | 5500 | TH30 3 71B5 | TM 71 A6 | 63 |
| | 5.8 | 287.1 | 155.0 | 1.8 | 7000 | TH35 3 71B5 | TM 71 A6 | 65 |
| | 6.0 | 276.1 | 149.0 | 1.1 | 5500 | TH30 3 71B5 | TM 71 A6 | 63 |
| | 6.1 | 273.3 | 146.4 | 0.7 | 5000 | TH25 3 71B5 | TM 71 A6 | 61 |
| | 6.5 | 256.8 | 138.6 | 2.1 | 7000 | TH35 3 71B5 | TM 71 A6 | 65 |
| | 6.8 | 245.2 | 132.2 | 0.8 | 5000 | TH25 3 71B5 | TM 71 A6 | 61 |
| | 7.2 | 231.6 | 125.0 | 2.3 | 7000 | TH35 3 71B5 | TM 71 A6 | 65 |
| | 7.3 | 229.6 | 123.9 | 1.3 | 5500 | TH30 3 71B5 | TM 71 A6 | 63 |
| | 6.7 | 248.9 | 207.6 | 1.2 | 5500 | TH30 3 63B5 | TM 63 B4 | 63 |
| | 7.6 | 219.3 | 184.2 | 0.9 | 5000 | TH25 3 63B5 | TM 63 B4 | 61 |
| | 8.6 | 194.6 | 163.4 | 1.0 | 5000 | TH25 3 63B5 | TM 63 B4 | 61 |
| | 9.6 | 174.3 | 146.4 | 1.1 | 5000 | TH25 3 63B5 | TM 63 B4 | 61 |
| | 10.6 | 157.4 | 132.2 | 1.3 | 5000 | TH25 3 63B5 | TM 63 B4 | 61 |
| | 12.1 | 138.1 | 116.0 | 0.8 | 2300 | TH20 3 63B5 | TM 63 B4 | 59 |
| | 12.7 | 130.9 | 109.9 | 1.5 | 5000 | TH25 3 63B5 | TM 63 B4 | 61 |
| | 13.3 | 125.2 | 105.2 | 0.9 | 2300 | TH20 3 63B5 | TM 63 B4 | 59 |
| | 14.6 | 114.2 | 95.9 | 1.0 | 2300 | TH20 3 63B5 | TM 63 B4 | 59 |
| | 15.0 | 111.0 | 93.2 | 1.8 | 5000 | TH25 3 63B5 | TM 63 B4 | 61 |
| | 15.9 | 104.6 | 87.8 | 1.1 | 2300 | TH20 3 63B5 | TM 63 B4 | 59 |
| | 17.4 | 95.6 | 80.2 | 2.1 | 5000 | TH25 3 63B5 | TM 63 B4 | 61 |
| | 18.2 | 91.6 | 76.9 | 1.3 | 2300 | TH20 3 63B5 | TM 63 B4 | 59 |
| | 20.0 | 83.2 | 69.8 | 2.4 | 4920 | TH25 3 63B5 | TM 63 B4 | 61 |
| 20.4 | 81.8 | 68.7 | 1.5 | 2300 | TH20 3 63B5 | TM 63 B4 | 59 | |
| 22.6 | 73.7 | 61.9 | 1.6 | 2300 | TH20 3 63B5 | TM 63 B4 | 59 | |
| 22.8 | 73.1 | 61.3 | 2.7 | 4760 | TH25 3 63B5 | TM 63 B4 | 61 | |




| P _{1n} [kW] | n ₂ [RPM] | M _{2n} [Nm] | i | f _s | Fr ₂ [N] |  |  |  |
|-------------------------|-------------------------|-------------------------|------|----------------|------------------------|--|---|---|
| 0.18 | 24.0 | 69.4 | 58.3 | 2.9 | 4400 | TH25 3 63B5 | TM 63 B4 | 61 |
| | 25.0 | 66.8 | 56.1 | 1.8 | 2300 | TH20 3 63B5 | TM 63 B4 | 59 |
| | 27.4 | 60.9 | 51.1 | 2.0 | 2300 | TH20 3 63B5 | TM 63 B4 | 59 |
| | 28.3 | 58.9 | 49.5 | 3.4 | 4320 | TH25 3 63B5 | TM 63 B4 | 61 |
| | 29.9 | 55.8 | 46.8 | 2.2 | 2300 | TH20 3 63B5 | TM 63 B4 | 59 |
| | 31.3 | 53.3 | 44.7 | 3.8 | 3940 | TH25 2 63B5 | TM 63 B4 | 61 |
| | 35.3 | 47.3 | 39.7 | 4.2 | 3720 | TH25 2 63B5 | TM 63 B4 | 61 |
| | 35.6 | 46.8 | 39.3 | 2.5 | 2100 | TH20 2 63B5 | TM 63 B4 | 59 |
| | 39.4 | 42.3 | 35.5 | 4.7 | 3550 | TH25 2 63B5 | TM 63 B4 | 61 |
| | 40.2 | 41.4 | 34.8 | 2.7 | 2100 | TH20 2 63B5 | TM 63 B4 | 59 |
| | 43.6 | 38.2 | 32.1 | 5.2 | 3250 | TH25 2 63B5 | TM 63 B4 | 61 |
| | 45.0 | 37.0 | 31.1 | 3.0 | 2100 | TH20 2 63B5 | TM 63 B4 | 59 |
| | 50.0 | 33.3 | 28.0 | 3.4 | 2050 | TH20 2 63B5 | TM 63 B4 | 59 |
| | 52.4 | 31.8 | 26.7 | 6.3 | 3090 | TH25 2 63B5 | TM 63 B4 | 61 |
| | 55.2 | 30.2 | 25.4 | 3.7 | 1900 | TH20 2 63B5 | TM 63 B4 | 59 |
| | 60.5 | 27.6 | 23.1 | 4.0 | 1810 | TH20 2 63B5 | TM 63 B4 | 59 |
| | 61.8 | 27.0 | 22.6 | 7.4 | 2810 | TH25 2 63B5 | TM 63 B4 | 61 |
| | 66.0 | 25.2 | 21.2 | 4.4 | 1750 | TH20 2 63B5 | TM 63 B4 | 59 |
| | 71.8 | 23.2 | 19.5 | 8.5 | 2760 | TH25 2 63B5 | TM 63 B4 | 61 |
| | 82.5 | 20.2 | 17.0 | 9.3 | 2560 | TH25 2 63B5 | TM 63 B4 | 61 |
| | 84.0 | 19.8 | 16.7 | 5.2 | 1650 | TH20 2 63B5 | TM 63 B4 | 59 |
| | 94.0 | 17.7 | 14.9 | 10.1 | 2450 | TH25 2 63B5 | TM 63 B4 | 61 |
| | 97.2 | 17.1 | 14.4 | 5.6 | 1600 | TH20 2 63B5 | TM 63 B4 | 59 |
| | 113.4 | 14.7 | 12.3 | 6.0 | 1550 | TH20 2 63B5 | TM 63 B4 | 59 |
| | 116.6 | 14.3 | 12.0 | 11.4 | 2350 | TH25 2 63B5 | TM 63 B4 | 61 |
| | 123.8 | 13.5 | 11.3 | 6.8 | 1480 | TH20 2 63B5 | TM 63 B4 | 59 |
| | 135.4 | 12.3 | 10.3 | 12.2 | 2230 | TH25 2 63B5 | TM 63 B4 | 61 |
| | 155.6 | 10.7 | 9.0 | 13.8 | 2100 | TH25 2 63B5 | TM 63 B4 | 61 |
| | 157.5 | 10.6 | 8.9 | 7.2 | 1450 | TH20 2 63B5 | TM 63 B4 | 59 |
| | 177.2 | 9.4 | 7.9 | 16.1 | 1980 | TH25 2 63B5 | TM 63 B4 | 61 |
| | 182.3 | 9.1 | 7.7 | 7.7 | 1450 | TH20 2 63B5 | TM 63 B4 | 59 |
| | 212.4 | 7.8 | 6.6 | 17.6 | 1890 | TH25 2 63B5 | TM 63 B4 | 61 |
| | 254.4 | 6.6 | 5.5 | 8.5 | 1400 | TH20 2 63B5 | TM 63 B4 | 59 |
| | 281.1 | 5.9 | 5.0 | 17.6 | 1710 | TH25 2 63B5 | TM 63 B4 | 61 |
| 306.3 | 5.4 | 4.6 | 9.1 | 1400 | TH20 2 63B5 | TM 63 B4 | 59 | |
| 365.5 | 4.6 | 3.8 | 18.9 | 1650 | TH25 2 63B5 | TM 63 B4 | 61 | |
| 388.9 | 4.3 | 3.6 | 9.6 | 1400 | TH20 2 63B5 | TM 63 B4 | 59 | |
| 424.9 | 3.9 | 6.6 | 23.3 | 1520 | TH25 2 63B5 | TM 63 A2 | 61 | |
| 508.7 | 3.3 | 5.5 | 11.7 | 1150 | TH20 2 63B5 | TM 63 A2 | 59 | |
| 562.2 | 3.0 | 5.0 | 24.4 | 1360 | TH25 2 63B5 | TM 63 A2 | 61 | |
| 612.5 | 2.7 | 4.6 | 12.8 | 1150 | TH20 2 63B5 | TM 63 A2 | 59 | |

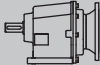


| P _{1n} [kW] | n ₂ [RPM] | M _{2n} [Nm] | i | f _s | Fr ₂ [N] |  |  |  |
|-------------------------|-------------------------|-------------------------|-------|----------------|------------------------|--|---|---|
| 0.18 | 731.1 | 2.3 | 3.8 | 27.2 | 1250 | TH25 2 63B5 | TM 63 A2 | 61 |
| | 777.8 | 2.1 | 3.6 | 16.5 | 1100 | TH20 2 63B5 | TM 63 A2 | 59 |
| 0.25 | 4.9 | 474.0 | 184.2 | 0.6 | 5500 | TH30 3 71B5 | TM 71 B6 | 63 |
| | 5.5 | 421.1 | 165.0 | 0.7 | 5500 | TH30 3 71B5 | TM 71 B6 | 63 |
| | 5.8 | 398.8 | 155.0 | 1.3 | 7000 | TH35 3 71B5 | TM 71 B6 | 65 |
| | 6.0 | 383.5 | 149.1 | 0.8 | 5500 | TH30 3 71B5 | TM 71 B6 | 63 |
| | 6.1 | 376.9 | 146.5 | 2.4 | 10000 | TH40 3 71B5 | TM 71 B6 | 67 |
| | 6.5 | 356.7 | 138.6 | 1.5 | 7000 | TH35 3 71B5 | TM 71 B6 | 65 |
| | 6.9 | 333.2 | 129.5 | 2.6 | 10000 | TH40 3 71B5 | TM 71 B6 | 67 |
| | 7.2 | 321.6 | 125.0 | 1.6 | 7000 | TH35 3 71B5 | TM 71 B6 | 65 |
| | 6.7 | 345.6 | 207.6 | 0.8 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 7.6 | 304.7 | 184.2 | 1.0 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 8.5 | 273.0 | 165.0 | 1.2 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 8.6 | 267.8 | 163.4 | 0.8 | 5000 | TH25 3 71B5 | TM 71 A4 | 61 |
| | 9.0 | 256.4 | 155.0 | 1.9 | 7000 | TH35 3 71B5 | TM 71 A4 | 65 |
| | 9.4 | 246.5 | 149.1 | 1.2 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 9.6 | 242.3 | 146.5 | 3.6 | 10000 | TH40 3 71B5 | TM 71 A4 | 67 |
| | 9.6 | 242.1 | 146.4 | 0.8 | 5000 | TH25 3 71B5 | TM 71 A4 | 61 |
| | 10.1 | 229.3 | 138.6 | 2.2 | 7000 | TH35 3 71B5 | TM 71 A4 | 65 |
| | 10.6 | 218.7 | 132.2 | 0.9 | 5000 | TH25 3 71B5 | TM 71 A4 | 61 |
| | 10.8 | 214.2 | 129.5 | 4.0 | 10000 | TH40 3 71B5 | TM 71 A4 | 67 |
| | 11.2 | 206.8 | 125.0 | 2.4 | 7000 | TH35 3 71B5 | TM 71 A4 | 65 |
| | 11.3 | 205.0 | 123.9 | 1.5 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 12.7 | 181.8 | 109.9 | 1.1 | 5000 | TH25 3 71B5 | TM 71 A4 | 61 |
| | 13.3 | 173.9 | 105.1 | 1.7 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 13.5 | 171.3 | 103.6 | 2.8 | 7000 | TH35 3 71B5 | TM 71 A4 | 65 |
| | 15.0 | 154.2 | 93.2 | 1.3 | 5000 | TH25 3 71B5 | TM 71 A4 | 61 |
| | 15.5 | 149.6 | 90.5 | 2.0 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 15.9 | 145.3 | 87.8 | 0.8 | 2300 | TH20 3 71B5 | TM 71 A4 | 59 |
| | 16.0 | 144.7 | 87.5 | 3.3 | 7000 | TH35 3 71B5 | TM 71 A4 | 65 |
| | 17.4 | 132.7 | 80.2 | 1.5 | 5000 | TH25 3 71B5 | TM 71 A4 | 61 |
| | 17.8 | 130.3 | 78.8 | 2.3 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 18.2 | 127.2 | 76.9 | 0.9 | 2300 | TH20 3 71B5 | TM 71 A4 | 59 |
| | 19.9 | 116.5 | 70.4 | 4.4 | 7000 | TH35 3 71B5 | TM 71 A4 | 65 |
| 20.0 | 115.5 | 69.8 | 1.7 | 4920 | TH25 3 71B5 | TM 71 A4 | 61 | |
| 20.4 | 113.6 | 68.7 | 1.1 | 2300 | TH20 3 71B5 | TM 71 A4 | 59 | |
| 21.3 | 108.7 | 65.7 | 2.8 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 | |
| 22.6 | 102.3 | 61.9 | 1.2 | 2300 | TH20 3 71B5 | TM 71 A4 | 59 | |
| 22.8 | 101.5 | 61.3 | 2.0 | 4760 | TH25 3 71B5 | TM 71 A4 | 61 | |
| 24.0 | 96.4 | 58.3 | 2.1 | 4400 | TH25 3 71B5 | TM 71 A4 | 61 | |

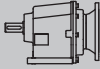


| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr2 [N] |  |  |  |
|-------------|-------------|-------------|-------|------|-------------|--|---|---|
| 0.18 | 731.1 | 2.3 | 3.8 | 27.2 | 1250 | TH25 2 63B5 | TM 63 A2 | 61 |
| | 777.8 | 2.1 | 3.6 | 16.5 | 1100 | TH20 2 63B5 | TM 63 A2 | 59 |
| 0.25 | 6.7 | 345.6 | 207.6 | 0.8 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 4.9 | 474.0 | 184.2 | 0.6 | 5500 | TH30 3 71B5 | TM 71 B6 | 63 |
| | 5.5 | 421.1 | 165.0 | 0.7 | 5500 | TH30 3 71B5 | TM 71 B6 | 63 |
| | 5.8 | 398.8 | 155.0 | 1.3 | 7000 | TH35 3 71B5 | TM 71 B6 | 65 |
| | 6.0 | 383.5 | 149.1 | 0.8 | 5500 | TH30 3 71B5 | TM 71 B6 | 63 |
| | 6.1 | 376.9 | 146.5 | 2.4 | 10000 | TH40 3 71B5 | TM 71 B6 | 67 |
| | 6.5 | 356.7 | 138.6 | 1.5 | 7000 | TH35 3 71B5 | TM 71 B6 | 65 |
| | 6.9 | 333.2 | 129.5 | 2.6 | 10000 | TH40 3 71B5 | TM 71 B6 | 67 |
| | 7.2 | 321.6 | 125.0 | 1.6 | 7000 | TH35 3 71B5 | TM 71 B6 | 65 |
| | 7.6 | 304.7 | 184.2 | 1.0 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 8.5 | 273.0 | 165.0 | 1.2 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 8.6 | 267.8 | 163.4 | 0.8 | 5000 | TH25 3 71B5 | TM 71 A4 | 61 |
| | 9.0 | 256.4 | 155.0 | 1.9 | 7000 | TH35 3 71B5 | TM 71 A4 | 65 |
| | 9.4 | 246.5 | 149.1 | 1.2 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 9.6 | 242.3 | 146.5 | 3.6 | 10000 | TH40 3 71B5 | TM 71 A4 | 67 |
| | 9.6 | 242.1 | 146.4 | 0.8 | 5000 | TH25 3 71B5 | TM 71 A4 | 61 |
| | 10.1 | 229.3 | 138.6 | 2.2 | 7000 | TH35 3 71B5 | TM 71 A4 | 65 |
| | 10.6 | 218.7 | 132.2 | 0.9 | 5000 | TH25 3 71B5 | TM 71 A4 | 61 |
| | 10.8 | 214.2 | 129.5 | 4.0 | 10000 | TH40 3 71B5 | TM 71 A4 | 67 |
| | 11.2 | 206.8 | 125.0 | 2.4 | 7000 | TH35 3 71B5 | TM 71 A4 | 65 |
| | 11.3 | 205.0 | 123.9 | 1.5 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 12.7 | 181.8 | 109.9 | 1.1 | 5000 | TH25 3 71B5 | TM 71 A4 | 61 |
| | 13.3 | 173.9 | 105.1 | 1.7 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 13.5 | 171.3 | 103.6 | 2.8 | 7000 | TH35 3 71B5 | TM 71 A4 | 65 |
| | 15.0 | 154.2 | 93.2 | 1.3 | 5000 | TH25 3 71B5 | TM 71 A4 | 61 |
| | 15.5 | 149.6 | 90.5 | 2.0 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 15.9 | 145.3 | 87.8 | 0.8 | 2300 | TH20 3 71B5 | TM 71 A4 | 59 |
| | 16.0 | 144.7 | 87.5 | 3.3 | 7000 | TH35 3 71B5 | TM 71 A4 | 65 |
| | 17.4 | 132.7 | 80.2 | 1.5 | 5000 | TH25 3 71B5 | TM 71 A4 | 61 |
| | 17.8 | 130.3 | 78.8 | 2.3 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 18.2 | 127.2 | 76.9 | 0.9 | 2300 | TH20 3 71B5 | TM 71 A4 | 59 |
| | 19.9 | 116.5 | 70.4 | 4.4 | 7000 | TH35 3 71B5 | TM 71 A4 | 65 |
| | 20.0 | 115.5 | 69.8 | 1.7 | 4920 | TH25 3 71B5 | TM 71 A4 | 61 |
| 20.4 | 113.6 | 68.7 | 1.1 | 2300 | TH20 3 71B5 | TM 71 A4 | 59 | |
| 21.3 | 108.7 | 65.7 | 2.8 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 | |
| 22.6 | 102.3 | 61.9 | 1.2 | 2300 | TH20 3 71B5 | TM 71 A4 | 59 | |
| 22.8 | 101.5 | 61.3 | 2.0 | 4760 | TH25 3 71B5 | TM 71 A4 | 61 | |
| 24.0 | 96.4 | 58.3 | 2.1 | 4400 | TH25 3 71B5 | TM 71 A4 | 61 | |




| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr ₂ [N] |  |  |  |
|-------------|-------------|-------------|-------|------|------------------------|--|---|---|
| 0.25 | 25.0 | 92.8 | 56.1 | 1.3 | 2300 | TH20 3 71B5 | TM 71 A4 | 59 |
| | 25.1 | 92.2 | 55.8 | 3.3 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 27.4 | 84.6 | 51.1 | 1.4 | 2300 | TH20 3 71B5 | TM 71 A4 | 59 |
| | 28.3 | 81.8 | 49.5 | 2.4 | 4320 | TH25 3 71B5 | TM 71 A4 | 61 |
| | 29.2 | 79.4 | 48.0 | 3.8 | 5500 | TH30 3 71B5 | TM 71 A4 | 63 |
| | 29.9 | 77.5 | 46.8 | 1.6 | 2300 | TH20 3 71B5 | TM 71 A4 | 59 |
| | 31.3 | 74.0 | 44.7 | 2.7 | 3940 | TH25 2 71B5 | TM 71 A4 | 61 |
| | 35.3 | 65.6 | 39.7 | 3.0 | 3720 | TH25 2 71B5 | TM 71 A4 | 61 |
| | 35.6 | 65.1 | 39.3 | 1.8 | 2100 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 39.4 | 58.8 | 35.5 | 3.4 | 3550 | TH25 2 71B5 | TM 71 A4 | 61 |
| | 40.2 | 57.6 | 34.8 | 2.0 | 2100 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 43.6 | 53.1 | 32.1 | 3.8 | 3250 | TH25 2 71B5 | TM 71 A4 | 61 |
| | 45.0 | 51.4 | 31.1 | 2.2 | 2100 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 50.0 | 46.3 | 28.0 | 2.4 | 2050 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 55.2 | 42.0 | 25.4 | 2.6 | 1900 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 60.5 | 38.3 | 23.1 | 2.9 | 1810 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 66.0 | 35.1 | 21.2 | 3.1 | 1750 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 84.0 | 27.6 | 16.7 | 3.8 | 1650 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 97.2 | 23.8 | 14.4 | 4.0 | 1600 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 113.4 | 20.4 | 12.3 | 4.3 | 1550 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 123.8 | 18.7 | 11.3 | 4.9 | 1480 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 157.5 | 14.7 | 8.9 | 5.2 | 1450 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 182.3 | 12.7 | 7.7 | 5.6 | 1450 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 254.4 | 9.1 | 5.5 | 6.1 | 1400 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 306.3 | 7.6 | 4.6 | 6.5 | 1400 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 388.9 | 6.0 | 3.6 | 6.9 | 1400 | TH20 2 71B5 | TM 71 A4 | 59 |
| | 424.9 | 5.5 | 6.6 | 16.8 | 1520 | TH25 2 63B5 | TM 63 B2 | 61 |
| | 508.7 | 4.6 | 5.5 | 8.4 | 1150 | TH20 2 63B5 | TM 63 B2 | 59 |
| | 562.2 | 4.1 | 5.0 | 17.6 | 1360 | TH25 2 63B5 | TM 63 B2 | 61 |
| | 612.5 | 3.8 | 4.6 | 9.2 | 1150 | TH20 2 63B5 | TM 63 B2 | 59 |
| 731.1 | 3.2 | 3.8 | 19.6 | 1250 | TH25 2 63B5 | TM 63 B2 | 61 | |
| 777.8 | 3.0 | 3.6 | 11.9 | 1100 | TH20 2 63B5 | TM 63 B2 | 59 | |
| 0.37 | 5.3 | 645.1 | 169.4 | 2.2 | 16000 | TH50 3 80B5 | TM 80 A6 | 69 |
| | 5.8 | 590.2 | 155.0 | 0.9 | 7000 | TH35 3 80B5 | TM 80 A6 | 65 |
| | 6.0 | 572.2 | 150.3 | 2.5 | 16000 | TH50 3 80B5 | TM 80 A6 | 69 |
| | 6.1 | 557.8 | 146.5 | 1.6 | 10000 | TH40 3 80B5 | TM 80 A6 | 67 |
| | 6.5 | 527.9 | 138.6 | 1.0 | 7000 | TH35 3 80B5 | TM 80 A6 | 65 |
| | 6.7 | 512.5 | 134.6 | 2.8 | 16000 | TH50 3 80B5 | TM 80 A6 | 69 |
| | 6.9 | 493.2 | 129.5 | 1.8 | 10000 | TH40 3 80B5 | TM 80 A6 | 67 |
| | 7.2 | 476.0 | 125.0 | 1.1 | 7000 | TH35 3 80B5 | TM 80 A6 | 65 |




| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr ₂ [N] |  |  |  |
|-------------|-------------|-------------|-------|-----|------------------------|--|---|---|
| 0.37 | 7.6 | 450.9 | 184.2 | 0.7 | 5500 | TH30 3 71B5 | TM 71 B4 | 63 |
| | 8.5 | 403.2 | 165.0 | 0.7 | 5500 | TH30 3 71B5 | TM 71 B4 | 63 |
| | 9.0 | 380.8 | 155.0 | 1.2 | 7000 | TH35 3 71B5 | TM 71 B4 | 65 |
| | 9.4 | 364.9 | 149.1 | 0.8 | 5500 | TH30 3 71B5 | TM 71 B4 | 63 |
| | 9.6 | 357.0 | 146.5 | 2.4 | 10000 | TH40 3 71B5 | TM 71 B4 | 67 |
| | 10.1 | 339.4 | 138.6 | 1.5 | 7000 | TH35 3 71B5 | TM 71 B4 | 65 |
| | 10.8 | 317.0 | 129.5 | 2.7 | 10000 | TH40 3 71B5 | TM 71 B4 | 67 |
| | 11.2 | 306.0 | 125.0 | 1.6 | 7000 | TH35 3 71B5 | TM 71 B4 | 65 |
| | 11.3 | 303.4 | 123.9 | 1.0 | 5500 | TH30 3 71B5 | TM 71 B4 | 63 |
| | 12.1 | 283.1 | 115.6 | 3.0 | 10000 | TH40 3 71B5 | TM 71 B4 | 67 |
| | 12.7 | 269.9 | 109.9 | 0.7 | 5000 | TH25 3 71B5 | TM 71 B4 | 61 |
| | 13.3 | 257.3 | 105.1 | 1.2 | 5500 | TH30 3 71B5 | TM 71 B4 | 63 |
| | 13.5 | 254.8 | 104.1 | 3.3 | 10000 | TH40 3 71B5 | TM 71 B4 | 67 |
| | 13.5 | 253.5 | 103.6 | 1.9 | 7000 | TH35 3 71B5 | TM 71 B4 | 65 |
| | 14.8 | 230.8 | 94.3 | 3.7 | 10000 | TH40 3 71B5 | TM 71 B4 | 67 |
| | 15.0 | 228.2 | 93.2 | 0.9 | 5000 | TH25 3 71B5 | TM 71 B4 | 61 |
| | 15.5 | 221.5 | 90.5 | 1.4 | 5500 | TH30 3 71B5 | TM 71 B4 | 63 |
| | 16.0 | 214.2 | 87.5 | 2.3 | 7000 | TH35 3 71B5 | TM 71 B4 | 65 |
| | 17.4 | 196.4 | 80.2 | 1.0 | 5000 | TH25 3 71B5 | TM 71 B4 | 61 |
| | 17.8 | 192.8 | 78.8 | 1.6 | 5500 | TH30 3 71B5 | TM 71 B4 | 63 |
| | 19.9 | 172.5 | 70.4 | 3.0 | 7000 | TH35 3 71B5 | TM 71 B4 | 65 |
| | 20.0 | 171.0 | 69.8 | 1.2 | 4920 | TH25 3 71B5 | TM 71 B4 | 61 |
| | 21.3 | 160.9 | 65.7 | 1.9 | 5500 | TH30 3 71B5 | TM 71 B4 | 63 |
| | 22.6 | 151.5 | 61.9 | 0.8 | 2300 | TH20 3 71B5 | TM 71 B4 | 59 |
| | 22.8 | 150.2 | 61.3 | 1.3 | 4760 | TH25 3 71B5 | TM 71 B4 | 61 |
| | 24.0 | 142.9 | 58.4 | 3.7 | 7000 | TH35 3 71B5 | TM 71 B4 | 65 |
| | 24.0 | 142.7 | 58.3 | 1.4 | 4400 | TH25 3 71B5 | TM 71 B4 | 61 |
| | 25.0 | 137.3 | 56.1 | 0.9 | 2300 | TH20 3 71B5 | TM 71 B4 | 59 |
| | 25.1 | 136.5 | 55.8 | 2.2 | 5500 | TH30 3 71B5 | TM 71 B4 | 63 |
| | 27.4 | 125.2 | 51.1 | 1.0 | 2300 | TH20 3 71B5 | TM 71 B4 | 59 |
| | 28.3 | 121.1 | 49.5 | 1.7 | 4320 | TH25 3 71B5 | TM 71 B4 | 61 |
| | 29.2 | 117.5 | 48.0 | 2.6 | 5500 | TH30 3 71B5 | TM 71 B4 | 63 |
| | 29.9 | 114.7 | 46.8 | 1.0 | 2300 | TH20 3 71B5 | TM 71 B4 | 59 |
| | 31.3 | 109.5 | 44.7 | 1.8 | 3940 | TH25 2 71B5 | TM 71 B4 | 61 |
| | 33.5 | 102.3 | 41.8 | 2.9 | 5500 | TH30 3 71B5 | TM 71 B4 | 63 |
| | 35.3 | 97.1 | 39.7 | 2.1 | 3720 | TH25 2 71B5 | TM 71 B4 | 61 |
| | 35.6 | 96.3 | 39.3 | 1.2 | 2100 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 39.3 | 87.3 | 35.7 | 3.4 | 5200 | TH30 2 71B5 | TM 71 B4 | 63 |
| | 39.4 | 87.0 | 35.5 | 2.3 | 3550 | TH25 2 71B5 | TM 71 B4 | 61 |

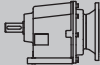


| P _{1n} [kW] | n ₂ [RPM] | M _{2n} [Nm] | i | f _s | Fr ₂ [N] |  |  |  |
|-------------------------|-------------------------|-------------------------|-------|----------------|------------------------|--|---|---|
| 0.37 | 40.2 | 85.2 | 34.8 | 1.3 | 2100 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 43.6 | 78.6 | 32.1 | 2.5 | 3250 | TH25 2 71B5 | TM 71 B4 | 61 |
| | 45.0 | 76.1 | 31.1 | 1.5 | 2100 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 50.0 | 68.5 | 28.0 | 1.6 | 2050 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 52.4 | 65.4 | 26.7 | 3.1 | 3090 | TH25 2 71B5 | TM 71 B4 | 61 |
| | 55.2 | 62.1 | 25.4 | 1.8 | 1900 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 60.5 | 56.7 | 23.1 | 1.9 | 1810 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 61.8 | 55.4 | 22.6 | 3.6 | 2810 | TH25 2 71B5 | TM 71 B4 | 61 |
| | 66.0 | 51.9 | 21.2 | 2.1 | 1750 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 71.8 | 47.7 | 19.5 | 4.1 | 2760 | TH25 2 71B5 | TM 71 B4 | 61 |
| | 84.0 | 40.8 | 16.7 | 2.5 | 1650 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 94.0 | 36.5 | 14.9 | 4.9 | 2450 | TH25 2 71B5 | TM 71 B4 | 61 |
| | 97.2 | 35.3 | 14.4 | 2.7 | 1600 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 113.4 | 30.2 | 12.3 | 2.9 | 1550 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 116.6 | 29.4 | 12.0 | 5.6 | 2350 | TH25 2 71B5 | TM 71 B4 | 61 |
| | 123.8 | 27.7 | 11.3 | 3.3 | 1480 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 135.4 | 25.3 | 10.3 | 5.9 | 2230 | TH25 2 71B5 | TM 71 B4 | 61 |
| | 155.6 | 22.0 | 9.0 | 6.7 | 2100 | TH25 2 71B5 | TM 71 B4 | 61 |
| | 157.5 | 21.8 | 8.9 | 3.5 | 1450 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 177.2 | 19.3 | 7.9 | 7.8 | 1980 | TH25 2 71B5 | TM 71 B4 | 61 |
| | 182.3 | 18.8 | 7.7 | 3.8 | 1450 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 212.4 | 16.1 | 6.6 | 8.5 | 1890 | TH25 2 71B5 | TM 71 B4 | 61 |
| | 254.4 | 13.5 | 5.5 | 4.2 | 1400 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 281.1 | 12.2 | 5.0 | 8.6 | 1710 | TH25 2 71B5 | TM 71 B4 | 61 |
| | 306.3 | 11.2 | 4.6 | 4.4 | 1400 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 365.5 | 9.4 | 3.8 | 9.2 | 1650 | TH25 2 71B5 | TM 71 B4 | 61 |
| | 388.9 | 8.8 | 3.6 | 4.7 | 1400 | TH20 2 71B5 | TM 71 B4 | 59 |
| | 424.9 | 8.1 | 6.6 | 11.4 | 1520 | TH25 2 71B5 | TM 71 A2 | 61 |
| | 508.7 | 6.7 | 5.5 | 5.7 | 1150 | TH20 2 71B5 | TM 71 A2 | 59 |
| | 562.2 | 6.1 | 5.0 | 11.9 | 1360 | TH25 2 71B5 | TM 71 A2 | 61 |
| | 612.5 | 5.6 | 4.6 | 6.2 | 1150 | TH20 2 71B5 | TM 71 A2 | 59 |
| | 731.1 | 4.7 | 3.8 | 13.2 | 1250 | TH25 2 71B5 | TM 71 A2 | 61 |
| 777.8 | 4.4 | 3.6 | 8.0 | 1100 | TH20 2 71B5 | TM 71 A2 | 59 | |
| 0.55 | 5.3 | 959.0 | 169.4 | 1.5 | 16000 | TH50 3 80B5 | TM 80 B6 | 69 |
| | 6.0 | 850.6 | 150.3 | 1.7 | 16000 | TH50 3 80B5 | TM 80 B6 | 69 |
| | 6.1 | 829.1 | 146.5 | 1.1 | 10000 | TH40 3 80B5 | TM 80 B6 | 67 |
| | 6.7 | 761.9 | 134.6 | 1.9 | 16000 | TH50 3 80B5 | TM 80 B6 | 69 |
| | 6.9 | 733.1 | 129.5 | 1.2 | 10000 | TH40 3 80B5 | TM 80 B6 | 67 |
| | 7.4 | 688.0 | 121.5 | 2.1 | 16000 | TH50 3 80B5 | TM 80 B6 | 69 |
| | 8.3 | 616.5 | 169.4 | 2.3 | 16000 | TH50 3 80B5 | TM 80 A4 | 69 |


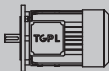

| P _{1n} [kW] | n ₂ [RPM] | M _{2n} [Nm] | i | f _s | Fr ₂ [N] |  |  |  |
|-------------------------|-------------------------|-------------------------|-------|----------------|------------------------|--|---|---|
| 0.55 | 9.0 | 564.0 | 155.0 | 0.9 | 7000 | TH35 3 80B5 | TM 80 A4 | 65 |
| | 9.3 | 546.8 | 150.3 | 2.5 | 16000 | TH50 3 80B5 | TM 80 A4 | 69 |
| | 9.6 | 533.0 | 146.5 | 1.6 | 10000 | TH40 3 80B5 | TM 80 A4 | 67 |
| | 10.1 | 504.5 | 138.6 | 1.0 | 7000 | TH35 3 80B5 | TM 80 A4 | 65 |
| | 10.4 | 489.8 | 134.6 | 2.9 | 16000 | TH50 3 80B5 | TM 80 A4 | 69 |
| | 10.8 | 471.3 | 129.5 | 1.8 | 10000 | TH40 3 80B5 | TM 80 A4 | 67 |
| | 11.2 | 454.9 | 125.0 | 1.1 | 7000 | TH35 3 80B5 | TM 80 A4 | 65 |
| | 11.5 | 442.3 | 121.5 | 3.1 | 16000 | TH50 3 80B5 | TM 80 A4 | 69 |
| | 12.1 | 420.8 | 115.6 | 2.0 | 10000 | TH40 3 80B5 | TM 80 A4 | 67 |
| | 12.7 | 402.0 | 110.5 | 3.4 | 16000 | TH50 3 80B5 | TM 80 A4 | 69 |
| | 13.3 | 382.5 | 105.1 | 0.8 | 5500 | TH30 3 80B5 | TM 80 A4 | 63 |
| | 13.5 | 378.7 | 104.1 | 2.2 | 10000 | TH40 3 80B5 | TM 80 A4 | 67 |
| | 13.5 | 376.9 | 103.6 | 1.3 | 7000 | TH35 3 80B5 | TM 80 A4 | 65 |
| | 13.8 | 368.5 | 101.3 | 3.7 | 16000 | TH50 3 80B5 | TM 80 A4 | 69 |
| | 14.8 | 343.1 | 94.3 | 2.5 | 10000 | TH40 3 80B5 | TM 80 A4 | 67 |
| | 15.5 | 329.2 | 90.5 | 0.9 | 5500 | TH30 3 80B5 | TM 80 A4 | 63 |
| | 16.0 | 318.4 | 87.5 | 1.5 | 7000 | TH35 3 80B5 | TM 80 A4 | 65 |
| | 17.8 | 286.6 | 78.8 | 1.0 | 5500 | TH30 3 80B5 | TM 80 A4 | 63 |
| | 17.8 | 286.1 | 78.6 | 2.9 | 10000 | TH40 3 80B5 | TM 80 A4 | 67 |
| | 19.9 | 256.3 | 70.4 | 2.0 | 7000 | TH35 3 80B5 | TM 80 A4 | 65 |
| | 20.0 | 254.2 | 69.8 | 0.8 | 4920 | TH25 3 80B5 | TM 80 A4 | 61 |
| | 21.0 | 242.0 | 66.5 | 3.7 | 10000 | TH40 3 80B5 | TM 80 A4 | 67 |
| | 21.3 | 239.2 | 65.7 | 1.3 | 5500 | TH30 3 80B5 | TM 80 A4 | 63 |
| | 22.8 | 223.2 | 61.3 | 0.9 | 4760 | TH25 3 80B5 | TM 80 A4 | 61 |
| | 24.0 | 212.4 | 58.4 | 2.5 | 7000 | TH35 3 80B5 | TM 80 A4 | 65 |
| | 24.0 | 212.2 | 58.3 | 0.9 | 4400 | TH25 3 80B5 | TM 80 A4 | 61 |
| | 25.1 | 202.9 | 55.8 | 1.5 | 5500 | TH30 3 80B5 | TM 80 A4 | 63 |
| | 28.3 | 179.9 | 49.5 | 1.1 | 4320 | TH25 3 80B5 | TM 80 A4 | 61 |
| | 28.4 | 179.4 | 49.3 | 2.9 | 6650 | TH35 3 80B5 | TM 80 A4 | 65 |
| | 29.2 | 174.6 | 48.0 | 1.7 | 5500 | TH30 3 80B5 | TM 80 A4 | 63 |
| | 31.3 | 162.7 | 44.7 | 1.2 | 3940 | TH25 2 80B5 | TM 80 A4 | 61 |
| | 33.1 | 153.8 | 42.3 | 3.4 | 6450 | TH35 3 80B5 | TM 80 A4 | 65 |
| | 33.5 | 152.0 | 41.8 | 2.0 | 5500 | TH30 3 80B5 | TM 80 A4 | 63 |
| | 35.3 | 144.4 | 39.7 | 1.4 | 3720 | TH25 2 80B5 | TM 80 A4 | 61 |
| | 35.6 | 143.1 | 39.3 | 0.8 | 2100 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 38.2 | 133.3 | 36.6 | 3.4 | 6450 | TH35 3 80B5 | TM 80 A4 | 65 |
| | 39.3 | 129.7 | 35.7 | 2.3 | 5200 | TH30 2 80B5 | TM 80 A4 | 63 |
| | 39.4 | 129.3 | 35.5 | 1.5 | 3550 | TH25 2 80B5 | TM 80 A4 | 61 |
| | 40.2 | 126.6 | 34.8 | 0.9 | 2100 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 43.6 | 116.8 | 32.1 | 1.7 | 3250 | TH25 2 80B5 | TM 80 A4 | 61 |
| 43.9 | 116.0 | 31.9 | 2.6 | 5200 | TH30 2 80B5 | TM 80 A4 | 63 | |

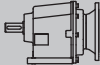


| P_{1n} [kW] | n₂ [RPM] | M_{2n} [Nm] | i | f_s | Fr₂ [N] |  |  |  |
|-------------------------------|-------------------------------|-------------------------------|----------|----------------------|------------------------------|--|---|---|
| 0.55 | 45.0 | 113.1 | 31.1 | 1.0 | 2100 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 48.7 | 104.6 | 28.8 | 2.9 | 5000 | TH30 2 80B5 | TM 80 A4 | 63 |
| | 50.0 | 101.9 | 28.0 | 1.1 | 2050 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 52.4 | 97.1 | 26.7 | 2.1 | 3090 | TH25 2 80B5 | TM 80 A4 | 61 |
| | 55.2 | 92.4 | 25.4 | 1.2 | 1900 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 58.8 | 86.7 | 23.8 | 3.5 | 4700 | TH30 2 80B5 | TM 80 A4 | 63 |
| | 60.5 | 84.2 | 23.1 | 1.3 | 1810 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 61.8 | 82.4 | 22.6 | 2.4 | 2810 | TH25 2 80B5 | TM 80 A4 | 61 |
| | 66.0 | 77.1 | 21.2 | 1.4 | 1750 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 69.6 | 73.2 | 20.1 | 4.1 | 4500 | TH30 2 80B5 | TM 80 A4 | 63 |
| | 71.8 | 70.9 | 19.5 | 2.8 | 2760 | TH25 2 80B5 | TM 80 A4 | 61 |
| | 82.5 | 61.7 | 17.0 | 3.0 | 2560 | TH25 2 80B5 | TM 80 A4 | 61 |
| | 84.0 | 60.6 | 16.7 | 1.7 | 1650 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 94.0 | 54.2 | 14.9 | 3.3 | 2450 | TH25 2 80B5 | TM 80 A4 | 61 |
| | 97.2 | 52.4 | 14.4 | 1.8 | 1600 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 113.4 | 44.9 | 12.3 | 2.0 | 1550 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 116.6 | 43.7 | 12.0 | 3.7 | 2350 | TH25 2 80B5 | TM 80 A4 | 61 |
| | 123.8 | 41.1 | 11.3 | 2.2 | 1480 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 157.5 | 32.3 | 8.9 | 2.4 | 1450 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 182.3 | 27.9 | 7.7 | 2.5 | 1450 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 254.4 | 20.0 | 5.5 | 2.8 | 1400 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 306.3 | 16.6 | 4.6 | 3.0 | 1400 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 388.9 | 13.1 | 3.6 | 3.1 | 1400 | TH20 2 80B5 | TM 80 A4 | 59 |
| | 424.9 | 12.0 | 6.6 | 7.6 | 1520 | TH25 2 71B5 | TM 71 B2 | 61 |
| | 508.7 | 10.0 | 5.5 | 3.8 | 1150 | TH20 2 71B5 | TM 71 B2 | 59 |
| | 562.2 | 9.1 | 5.0 | 8.0 | 1360 | TH25 2 71B5 | TM 71 B2 | 61 |
| | 612.5 | 8.3 | 4.6 | 4.2 | 1150 | TH20 2 71B5 | TM 71 B2 | 59 |
| | 731.1 | 7.0 | 3.8 | 8.9 | 1250 | TH25 2 71B5 | TM 71 B2 | 61 |
| 777.8 | 6.6 | 3.6 | 5.4 | 1100 | TH20 2 71B5 | TM 71 B2 | 59 | |
| 0.75 | 5.3 | 1321.4 | 171.2 | 1.7 | 25000 | TH60 3 90B5 | TM 90 S6 | 71 |
| | 5.3 | 1307.7 | 169.4 | 1.1 | 16000 | TH50 3 90B5 | TM 90 S6 | 69 |
| | 5.9 | 1185.2 | 153.5 | 1.9 | 25000 | TH60 3 90B5 | TM 90 S6 | 71 |
| | 6.0 | 1159.9 | 150.3 | 1.2 | 16000 | TH50 3 90B5 | TM 90 S6 | 69 |
| | 6.1 | 1130.6 | 146.5 | 0.8 | 10000 | TH40 3 90B5 | TM 90 S6 | 67 |
| | 6.5 | 1071.8 | 138.8 | 2.1 | 25000 | TH60 3 90B5 | TM 90 S6 | 71 |
| | 6.7 | 1038.9 | 134.6 | 1.4 | 16000 | TH50 3 90B5 | TM 90 S6 | 69 |
| | 6.9 | 999.7 | 129.5 | 0.9 | 10000 | TH40 3 90B5 | TM 90 S6 | 67 |
| | 7.1 | 975.8 | 126.4 | 2.4 | 25000 | TH60 3 90B5 | TM 90 S6 | 71 |
| | 7.4 | 938.1 | 121.5 | 1.5 | 16000 | TH50 3 90B5 | TM 90 S6 | 69 |
| | 7.8 | 893.5 | 115.8 | 2.6 | 25000 | TH60 3 90B5 | TM 90 S6 | 71 |

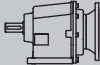


| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr2 [N] |  |  |  |
|-------------|-------------|-------------|-------|------|-------------|--|---|---|
| 0.75 | 7.8 | 892.6 | 115.6 | 1.0 | 10000 | TH40 3 90B5 | TM 90 S6 | 67 |
| | 8.3 | 840.6 | 169.4 | 1.7 | 16000 | TH50 3 80B5 | TM 80 B4 | 69 |
| | 9.3 | 745.6 | 150.3 | 1.9 | 16000 | TH50 3 80B5 | TM 80 B4 | 69 |
| | 9.6 | 726.8 | 146.5 | 1.2 | 10000 | TH40 3 80B5 | TM 80 B4 | 67 |
| | 10.4 | 667.9 | 134.6 | 2.1 | 16000 | TH50 3 80B5 | TM 80 B4 | 69 |
| | 10.8 | 642.6 | 129.5 | 1.3 | 10000 | TH40 3 80B5 | TM 80 B4 | 67 |
| | 11.5 | 603.1 | 121.5 | 2.3 | 16000 | TH50 3 80B5 | TM 80 B4 | 69 |
| | 12.1 | 573.8 | 115.6 | 1.5 | 10000 | TH40 3 80B5 | TM 80 B4 | 67 |
| | 12.7 | 548.2 | 110.5 | 2.5 | 16000 | TH50 3 80B5 | TM 80 B4 | 69 |
| | 13.5 | 513.9 | 103.6 | 0.9 | 7000 | TH35 3 80B5 | TM 80 B4 | 65 |
| | 13.5 | 516.4 | 104.1 | 1.6 | 10000 | TH40 3 80B5 | TM 80 B4 | 67 |
| | 13.8 | 502.6 | 101.3 | 2.7 | 16000 | TH50 3 80B5 | TM 80 B4 | 69 |
| | 14.8 | 467.9 | 94.3 | 1.8 | 10000 | TH40 3 80B5 | TM 80 B4 | 67 |
| | 15.3 | 455.5 | 91.8 | 3.0 | 16000 | TH50 3 80B5 | TM 80 B4 | 69 |
| | 16.0 | 434.2 | 87.5 | 1.1 | 7000 | TH35 3 80B5 | TM 80 B4 | 65 |
| | 16.7 | 415.1 | 83.7 | 3.3 | 16000 | TH50 3 80B5 | TM 80 B4 | 69 |
| | 17.8 | 390.8 | 78.8 | 0.8 | 5500 | TH30 3 80B5 | TM 80 B4 | 63 |
| | 17.8 | 390.2 | 78.6 | 2.2 | 10000 | TH40 3 80B5 | TM 80 B4 | 67 |
| | 19.9 | 349.6 | 70.4 | 1.5 | 7000 | TH35 3 80B5 | TM 80 B4 | 65 |
| | 21.0 | 330.1 | 66.5 | 2.7 | 10000 | TH40 3 80B5 | TM 80 B4 | 67 |
| | 21.3 | 326.2 | 65.7 | 0.9 | 5500 | TH30 3 80B5 | TM 80 B4 | 63 |
| | 23.2 | 299.0 | 60.3 | 3.0 | 10000 | TH40 3 80B5 | TM 80 B4 | 67 |
| | 24.0 | 289.6 | 58.4 | 1.8 | 7000 | TH35 3 80B5 | TM 80 B4 | 65 |
| | 24.0 | 289.3 | 58.3 | 0.7 | 4400 | TH25 3 80B5 | TM 80 B4 | 61 |
| | 25.1 | 276.7 | 55.8 | 1.1 | 5500 | TH30 3 80B5 | TM 80 B4 | 63 |
| | 27.9 | 249.4 | 50.3 | 3.5 | 10000 | TH40 3 80B5 | TM 80 B4 | 67 |
| | 28.3 | 245.4 | 49.5 | 0.8 | 4320 | TH25 3 80B5 | TM 80 B4 | 61 |
| | 28.4 | 244.7 | 49.3 | 2.2 | 7000 | TH35 3 80B5 | TM 80 B4 | 65 |
| | 29.2 | 238.1 | 48.0 | 1.3 | 5500 | TH30 3 80B5 | TM 80 B4 | 63 |
| | 31.3 | 221.9 | 44.7 | 0.9 | 3940 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 33.1 | 209.7 | 42.3 | 2.5 | 7000 | TH35 3 80B5 | TM 80 B4 | 65 |
| | 33.5 | 207.3 | 41.8 | 1.4 | 5500 | TH30 3 80B5 | TM 80 B4 | 63 |
| | 35.3 | 196.9 | 39.7 | 1.0 | 3720 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 38.2 | 181.8 | 36.6 | 2.5 | 7000 | TH35 3 80B5 | TM 80 B4 | 65 |
| | 39.3 | 176.9 | 35.7 | 1.7 | 5200 | TH30 2 80B5 | TM 80 B4 | 63 |
| | 39.4 | 176.4 | 35.5 | 1.1 | 3550 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 40.8 | 170.2 | 34.3 | 2.8 | 7000 | TH35 2 80B5 | TM 80 B4 | 65 |
| | 43.6 | 159.3 | 32.1 | 1.3 | 3250 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 43.9 | 158.2 | 31.9 | 1.9 | 5200 | TH30 2 80B5 | TM 80 B4 | 63 |
| | 46.2 | 150.5 | 30.3 | 3.0 | 7000 | TH35 2 80B5 | TM 80 B4 | 65 |
| 48.7 | 142.7 | 28.8 | 2.1 | 5000 | TH30 2 80B5 | TM 80 B4 | 63 | |

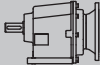


| P _{1n} [kW] | n ₂ [RPM] | M _{2n} [Nm] | i | f _s | Fr ₂ [N] |  |  |  |
|-------------------------|-------------------------|-------------------------|-------|----------------|------------------------|--|---|---|
| 0.75 | 50.0 | 138.9 | 28.0 | 0.8 | 2050 | TH20 2 80B5 | TM 80 B4 | 59 |
| | 51.7 | 134.4 | 27.1 | 3.4 | 7000 | TH35 2 80B5 | TM 80 B4 | 65 |
| | 52.4 | 132.5 | 26.7 | 1.5 | 3090 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 55.2 | 126.0 | 25.4 | 0.9 | 1900 | TH20 2 80B5 | TM 80 B4 | 59 |
| | 58.8 | 118.2 | 23.8 | 2.5 | 4700 | TH30 2 80B5 | TM 80 B4 | 63 |
| | 60.5 | 114.8 | 23.1 | 1.0 | 1810 | TH20 2 80B5 | TM 80 B4 | 59 |
| | 61.8 | 112.3 | 22.6 | 1.8 | 2810 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 66.0 | 105.2 | 21.2 | 1.0 | 1750 | TH20 2 80B5 | TM 80 B4 | 59 |
| | 69.6 | 99.9 | 20.1 | 3.0 | 4500 | TH30 2 80B5 | TM 80 B4 | 63 |
| | 71.8 | 96.7 | 19.5 | 2.0 | 2760 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 81.2 | 85.6 | 17.3 | 3.5 | 4200 | TH30 2 80B5 | TM 80 B4 | 63 |
| | 82.5 | 84.2 | 17.0 | 2.2 | 2560 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 84.0 | 82.7 | 16.7 | 1.3 | 1650 | TH20 2 80B5 | TM 80 B4 | 59 |
| | 94.0 | 73.9 | 14.9 | 2.4 | 2450 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 97.2 | 71.5 | 14.4 | 1.3 | 1600 | TH20 2 80B5 | TM 80 B4 | 59 |
| | 113.4 | 61.2 | 12.3 | 1.4 | 1550 | TH20 2 80B5 | TM 80 B4 | 59 |
| | 116.6 | 59.6 | 12.0 | 2.7 | 2350 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 123.8 | 56.1 | 11.3 | 1.6 | 1480 | TH20 2 80B5 | TM 80 B4 | 59 |
| | 135.4 | 51.3 | 10.3 | 2.9 | 2230 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 155.6 | 44.6 | 9.0 | 3.3 | 2100 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 157.5 | 44.1 | 8.9 | 1.7 | 1450 | TH20 2 80B5 | TM 80 B4 | 59 |
| | 177.2 | 39.2 | 7.9 | 3.9 | 1980 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 182.3 | 38.1 | 7.7 | 1.9 | 1450 | TH20 2 80B5 | TM 80 B4 | 59 |
| | 212.4 | 32.7 | 6.6 | 4.2 | 1890 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 254.4 | 27.3 | 5.5 | 2.0 | 1400 | TH20 2 80B5 | TM 80 B4 | 59 |
| | 281.1 | 24.7 | 5.0 | 4.2 | 1710 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 306.3 | 22.7 | 4.6 | 2.2 | 1400 | TH20 2 80B5 | TM 80 B4 | 59 |
| | 365.5 | 19.0 | 3.8 | 4.5 | 1650 | TH25 2 80B5 | TM 80 B4 | 61 |
| | 388.9 | 17.9 | 3.6 | 2.3 | 1400 | TH20 2 80B5 | TM 80 B4 | 59 |
| | 424.9 | 16.4 | 6.6 | 5.6 | 1520 | TH25 2 80B5 | TM 80 A2 | 61 |
| | 508.7 | 13.7 | 5.5 | 2.8 | 1150 | TH20 2 80B5 | TM 80 A2 | 59 |
| | 562.2 | 12.4 | 5.0 | 5.9 | 1360 | TH25 2 80B5 | TM 80 A2 | 61 |
| | 612.5 | 11.3 | 4.6 | 3.1 | 1150 | TH20 2 80B5 | TM 80 A2 | 59 |
| 731.1 | 9.5 | 3.8 | 6.5 | 1250 | TH25 2 80B5 | TM 80 A2 | 61 | |
| 777.8 | 8.9 | 3.6 | 4.0 | 1100 | TH20 2 80B5 | TM 80 A2 | 59 | |
| 1.1 | 5.3 | 1938.0 | 171.2 | 1.2 | 25000 | TH60 3 90B5 | TM 90 L6 | 71 |
| | 5.9 | 1738.3 | 153.5 | 1.3 | 25000 | TH60 3 90B5 | TM 90 L6 | 71 |
| | 6.0 | 1701.1 | 150.3 | 0.8 | 16000 | TH50 3 90B5 | TM 90 L6 | 69 |
| | 6.5 | 1571.9 | 138.8 | 1.5 | 25000 | TH60 3 90B5 | TM 90 L6 | 71 |
| | 6.7 | 1523.7 | 134.6 | 0.9 | 16000 | TH50 3 90B5 | TM 90 L6 | 69 |




| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr2 [N] |  |  |  |
|-------------|-------------|-------------|-------|-------|-------------|--|---|---|
| 1.1 | 7.1 | 1431.1 | 126.4 | 1.6 | 25000 | TH60 3 90B5 | TM 90 L6 | 71 |
| | 7.4 | 1375.9 | 121.5 | 1.0 | 16000 | TH50 3 90B5 | TM 90 L6 | 69 |
| | 7.8 | 1310.4 | 115.8 | 1.8 | 25000 | TH60 3 90B5 | TM 90 L6 | 71 |
| | 8.2 | 1245.8 | 171.2 | 1.8 | 25000 | TH60 3 90B5 | TM 90 S4 | 71 |
| | 8.3 | 1233.0 | 169.4 | 1.1 | 16000 | TH50 3 90B5 | TM 90 S4 | 69 |
| | 9.1 | 1117.5 | 153.5 | 2.0 | 25000 | TH60 3 90B5 | TM 90 S4 | 71 |
| | 9.3 | 1093.6 | 150.3 | 1.3 | 16000 | TH50 3 90B5 | TM 90 S4 | 69 |
| | 9.6 | 1066.0 | 146.5 | 0.8 | 10000 | TH40 3 90B5 | TM 90 S4 | 67 |
| | 10.1 | 1010.5 | 138.8 | 2.2 | 25000 | TH60 3 90B5 | TM 90 S4 | 71 |
| | 10.4 | 979.5 | 134.6 | 1.4 | 16000 | TH50 3 90B5 | TM 90 S4 | 69 |
| | 10.8 | 942.5 | 129.5 | 0.9 | 10000 | TH40 3 90B5 | TM 90 S4 | 67 |
| | 11.1 | 920.0 | 126.4 | 2.4 | 25000 | TH60 3 90B5 | TM 90 S4 | 71 |
| | 11.5 | 884.5 | 121.5 | 1.6 | 16000 | TH50 3 90B5 | TM 90 S4 | 69 |
| | 12.1 | 842.4 | 115.8 | 2.7 | 25000 | TH60 3 90B5 | TM 90 S4 | 71 |
| | 12.1 | 841.6 | 115.6 | 1.0 | 10000 | TH40 3 90B5 | TM 90 S4 | 67 |
| | 12.7 | 804.1 | 110.5 | 1.7 | 16000 | TH50 3 90B5 | TM 90 S4 | 69 |
| | 13.1 | 775.2 | 106.5 | 2.9 | 25000 | TH60 3 90B5 | TM 90 S4 | 71 |
| | 13.5 | 757.4 | 104.1 | 1.1 | 10000 | TH40 3 90B5 | TM 90 S4 | 67 |
| | 13.8 | 737.1 | 101.3 | 1.9 | 16000 | TH50 3 90B5 | TM 90 S4 | 69 |
| | 14.6 | 699.4 | 96.1 | 3.1 | 25000 | TH60 3 90B5 | TM 90 S4 | 71 |
| | 14.8 | 686.2 | 94.3 | 1.2 | 10000 | TH40 3 90B5 | TM 90 S4 | 67 |
| | 15.3 | 668.0 | 91.8 | 2.0 | 16000 | TH50 3 90B5 | TM 90 S4 | 69 |
| | 16.0 | 636.8 | 87.5 | 3.4 | 25000 | TH60 3 90B5 | TM 90 S4 | 71 |
| | 16.7 | 608.8 | 83.7 | 2.2 | 16000 | TH50 3 90B5 | TM 90 S4 | 69 |
| | 17.8 | 572.3 | 78.6 | 1.5 | 10000 | TH40 3 90B5 | TM 90 S4 | 67 |
| | 19.9 | 512.7 | 70.4 | 1.0 | 7000 | TH35 3 90B5 | TM 90 S4 | 65 |
| | 20.2 | 504.4 | 69.3 | 3.2 | 16000 | TH50 3 90B5 | TM 90 S4 | 69 |
| | 21.0 | 484.1 | 66.5 | 1.9 | 10000 | TH40 3 90B5 | TM 90 S4 | 67 |
| | 23.2 | 438.6 | 60.3 | 2.1 | 10000 | TH40 3 90B5 | TM 90 S4 | 67 |
| | 24.0 | 424.8 | 58.4 | 1.2 | 7000 | TH35 3 90B5 | TM 90 S4 | 65 |
| | 24.5 | 416.6 | 57.2 | 3.8 | 16000 | TH50 3 90B5 | TM 90 S4 | 69 |
| | 25.1 | 405.8 | 55.8 | 0.7 | 5500 | TH30 3 90B5 | TM 90 S4 | 63 |
| | 27.9 | 365.7 | 50.3 | 2.4 | 10000 | TH40 3 90B5 | TM 90 S4 | 67 |
| | 28.4 | 358.9 | 49.3 | 1.5 | 7000 | TH35 3 90B5 | TM 90 S4 | 65 |
| | 29.2 | 349.3 | 48.0 | 0.9 | 5500 | TH30 3 90B5 | TM 90 S4 | 63 |
| | 32.9 | 310.1 | 42.6 | 2.8 | 10000 | TH40 3 90B5 | TM 90 S4 | 67 |
| | 33.1 | 307.6 | 42.3 | 1.7 | 7000 | TH35 3 90B5 | TM 90 S4 | 65 |
| | 33.5 | 304.0 | 41.8 | 1.0 | 5500 | TH30 3 90B5 | TM 90 S4 | 63 |
| 35.5 | 286.9 | 39.4 | 2.9 | 10000 | TH40 3 90B5 | TM 90 S4 | 67 | |
| 37.1 | 275.0 | 37.8 | 3.0 | 10000 | TH40 2 90B5 | TM 90 S4 | 67 | |
| 38.2 | 266.6 | 36.6 | 1.7 | 7000 | TH35 3 90B5 | TM 90 S4 | 65 | |

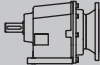


| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr2 [N] |  |  |  |
|-------------|-------------|-------------|------|------|-------------|--|---|---|
| 1.1 | 39.3 | 259.5 | 35.7 | 1.2 | 5200 | TH30 2 90B5 | TM 90 S4 | 63 |
| | 39.4 | 258.7 | 35.5 | 0.8 | 3550 | TH25 2 90B5 | TM 90 S4 | 61 |
| | 40.8 | 249.7 | 34.3 | 1.9 | 7000 | TH35 2 90B5 | TM 90 S4 | 65 |
| | 41.8 | 243.9 | 33.5 | 3.3 | 10000 | TH40 2 90B5 | TM 90 S4 | 67 |
| | 43.6 | 233.7 | 32.1 | 0.9 | 3250 | TH25 2 90B5 | TM 90 S4 | 61 |
| | 43.9 | 232.1 | 31.9 | 1.3 | 5200 | TH30 2 90B5 | TM 90 S4 | 63 |
| | 46.2 | 220.8 | 30.3 | 2.1 | 7000 | TH35 2 90B5 | TM 90 S4 | 65 |
| | 46.6 | 218.5 | 30.0 | 3.7 | 10000 | TH40 2 90B5 | TM 90 S4 | 67 |
| | 48.7 | 209.2 | 28.8 | 1.4 | 5000 | TH30 2 90B5 | TM 90 S4 | 63 |
| | 51.7 | 197.1 | 27.1 | 2.3 | 7000 | TH35 2 90B5 | TM 90 S4 | 65 |
| | 52.4 | 194.3 | 26.7 | 1.0 | 3090 | TH25 2 90B5 | TM 90 S4 | 61 |
| | 58.8 | 173.4 | 23.8 | 1.7 | 4700 | TH30 2 90B5 | TM 90 S4 | 63 |
| | 61.8 | 164.8 | 22.6 | 1.2 | 2810 | TH25 2 90B5 | TM 90 S4 | 61 |
| | 63.4 | 160.7 | 22.1 | 2.8 | 6320 | TH35 2 90B5 | TM 90 S4 | 65 |
| | 69.6 | 146.5 | 20.1 | 2.0 | 4500 | TH30 2 90B5 | TM 90 S4 | 63 |
| | 71.8 | 141.8 | 19.5 | 1.4 | 2760 | TH25 2 90B5 | TM 90 S4 | 61 |
| | 76.0 | 134.0 | 18.4 | 3.2 | 5450 | TH35 2 90B5 | TM 90 S4 | 65 |
| | 81.2 | 125.5 | 17.3 | 2.4 | 4200 | TH30 2 90B5 | TM 90 S4 | 63 |
| | 82.5 | 123.5 | 17.0 | 1.5 | 2560 | TH25 2 90B5 | TM 90 S4 | 61 |
| | 84.0 | 121.3 | 16.7 | 0.9 | 1650 | TH20 2 90B5 | TM 90 S4 | 59 |
| | 93.6 | 108.8 | 15.0 | 2.8 | 3850 | TH30 2 90B5 | TM 90 S4 | 63 |
| | 94.0 | 108.4 | 14.9 | 1.7 | 2450 | TH25 2 90B5 | TM 90 S4 | 61 |
| | 97.2 | 104.8 | 14.4 | 0.9 | 1600 | TH20 2 90B5 | TM 90 S4 | 59 |
| | 110.8 | 92.0 | 12.6 | 2.9 | 3750 | TH30 2 90B5 | TM 90 S4 | 63 |
| | 113.4 | 89.8 | 12.3 | 1.0 | 1550 | TH20 2 90B5 | TM 90 S4 | 59 |
| | 116.6 | 87.4 | 12.0 | 1.9 | 2350 | TH25 2 90B5 | TM 90 S4 | 61 |
| | 123.8 | 82.3 | 11.3 | 1.1 | 1480 | TH20 2 90B5 | TM 90 S4 | 59 |
| | 131.1 | 77.7 | 10.7 | 3.2 | 3600 | TH30 2 90B5 | TM 90 S4 | 63 |
| | 135.4 | 75.2 | 10.3 | 2.0 | 2230 | TH25 2 90B5 | TM 90 S4 | 61 |
| | 153.0 | 66.6 | 9.2 | 3.4 | 3500 | TH30 2 90B5 | TM 90 S4 | 63 |
| | 155.6 | 65.5 | 9.0 | 2.3 | 2100 | TH25 2 90B5 | TM 90 S4 | 61 |
| | 157.5 | 64.7 | 8.9 | 1.2 | 1450 | TH20 2 90B5 | TM 90 S4 | 59 |
| | 177.2 | 57.5 | 7.9 | 2.6 | 1980 | TH25 2 90B5 | TM 90 S4 | 61 |
| | 182.3 | 55.9 | 7.7 | 1.3 | 1450 | TH20 2 90B5 | TM 90 S4 | 59 |
| | 212.4 | 48.0 | 6.6 | 2.9 | 1890 | TH25 2 90B5 | TM 90 S4 | 61 |
| | 254.4 | 40.1 | 5.5 | 1.4 | 1400 | TH20 2 90B5 | TM 90 S4 | 59 |
| 281.1 | 36.2 | 5.0 | 2.9 | 1710 | TH25 2 90B5 | TM 90 S4 | 61 | |
| 306.3 | 33.3 | 4.6 | 1.5 | 1400 | TH20 2 90B5 | TM 90 S4 | 59 | |
| 365.5 | 27.9 | 3.8 | 3.1 | 1650 | TH25 2 90B5 | TM 90 S4 | 61 | |
| 388.9 | 26.2 | 3.6 | 1.6 | 1400 | TH20 2 90B5 | TM 90 S4 | 59 | |
| 424.9 | 24.0 | 6.6 | 3.8 | 1520 | TH25 2 80B5 | TM 80 B2 | 61 | |




| P _{1n} [kW] | n ₂ [RPM] | M _{2n} [Nm] | i | f _s | Fr ₂ [N] |  |  |  |
|-------------------------|-------------------------|-------------------------|-------|----------------|------------------------|--|---|---|
| 1.1 | 508.7 | 20.0 | 5.5 | 1.9 | 1150 | TH20 2 80B5 | TM 80 B2 | 59 |
| | 562.2 | 18.1 | 5.0 | 4.0 | 1360 | TH25 2 80B5 | TM 80 B2 | 61 |
| | 612.5 | 16.6 | 4.6 | 2.1 | 1150 | TH20 2 80B5 | TM 80 B2 | 59 |
| | 731.1 | 13.9 | 3.8 | 4.5 | 1250 | TH25 2 80B5 | TM 80 B2 | 61 |
| | 777.8 | 13.1 | 3.6 | 2.7 | 1100 | TH20 2 80B5 | TM 80 B2 | 59 |
| 1.5 | 5.3 | 2625.7 | 170.1 | 1.6 | 31000 | TH80 3 100B5 | TM 100 L6 | 73 |
| | 5.3 | 2642.7 | 171.2 | 0.9 | 25000 | TH60 3 100B5 | TM 100 L6 | 71 |
| | 5.9 | 2351.3 | 152.3 | 1.8 | 31000 | TH80 3 100B5 | TM 100 L6 | 73 |
| | 5.9 | 2370.4 | 153.5 | 1.0 | 25000 | TH60 3 100B5 | TM 100 L6 | 71 |
| | 6.5 | 2122.7 | 137.5 | 2.0 | 31000 | TH80 3 100B5 | TM 100 L6 | 73 |
| | 6.5 | 2143.5 | 138.8 | 1.1 | 25000 | TH60 3 100B5 | TM 100 L6 | 71 |
| | 7.2 | 1929.3 | 125.0 | 2.2 | 31000 | TH80 3 100B5 | TM 100 L6 | 73 |
| | 7.1 | 1951.5 | 126.4 | 1.2 | 25000 | TH60 3 100B5 | TM 100 L6 | 71 |
| | 7.9 | 1763.5 | 114.2 | 2.4 | 31000 | TH80 3 100B5 | TM 100 L6 | 73 |
| | 7.8 | 1787.0 | 115.8 | 1.3 | 25000 | TH60 3 100B5 | TM 100 L6 | 71 |
| | 8.2 | 1698.9 | 171.2 | 1.3 | 25000 | TH60 3 90B5 | TM 90 L4 | 71 |
| | 8.3 | 1681.3 | 169.4 | 0.8 | 16000 | TH50 3 90B5 | TM 90 L4 | 69 |
| | 9.1 | 1523.8 | 153.5 | 1.4 | 25000 | TH60 3 90B5 | TM 90 L4 | 71 |
| | 9.3 | 1491.2 | 150.3 | 0.9 | 16000 | TH50 3 90B5 | TM 90 L4 | 69 |
| | 10.1 | 1378.0 | 138.8 | 1.6 | 25000 | TH60 3 90B5 | TM 90 L4 | 71 |
| | 10.4 | 1335.7 | 134.6 | 1.1 | 16000 | TH50 3 90B5 | TM 90 L4 | 69 |
| | 11.1 | 1254.6 | 126.4 | 1.8 | 25000 | TH60 3 90B5 | TM 90 L4 | 71 |
| | 11.5 | 1206.1 | 121.5 | 1.1 | 16000 | TH50 3 90B5 | TM 90 L4 | 69 |
| | 12.1 | 1148.8 | 115.8 | 2.0 | 25000 | TH60 3 90B5 | TM 90 L4 | 71 |
| | 12.7 | 1096.5 | 110.5 | 1.3 | 16000 | TH50 3 90B5 | TM 90 L4 | 69 |
| | 13.1 | 1057.1 | 106.5 | 2.2 | 25000 | TH60 3 90B5 | TM 90 L4 | 71 |
| | 13.5 | 1032.8 | 104.1 | 0.8 | 10000 | TH40 3 90B5 | TM 90 L4 | 67 |
| | 13.8 | 1005.1 | 101.3 | 1.4 | 16000 | TH50 3 90B5 | TM 90 L4 | 69 |
| | 14.6 | 953.8 | 96.1 | 2.3 | 25000 | TH60 3 90B5 | TM 90 L4 | 71 |
| | 14.8 | 935.7 | 94.3 | 0.9 | 10000 | TH40 3 90B5 | TM 90 L4 | 67 |
| | 15.3 | 910.9 | 91.8 | 1.5 | 16000 | TH50 3 90B5 | TM 90 L4 | 69 |
| | 16.0 | 868.4 | 87.5 | 2.5 | 25000 | TH60 3 90B5 | TM 90 L4 | 71 |
| | 16.7 | 830.2 | 83.7 | 1.6 | 16000 | TH50 3 90B5 | TM 90 L4 | 69 |
| | 17.5 | 795.1 | 80.1 | 2.9 | 25000 | TH60 3 90B5 | TM 90 L4 | 71 |
| | 17.8 | 780.4 | 78.6 | 1.1 | 10000 | TH40 3 90B5 | TM 90 L4 | 67 |
| | 20.2 | 687.8 | 69.3 | 2.3 | 16000 | TH50 3 90B5 | TM 90 L4 | 69 |
| | 20.5 | 676.1 | 68.1 | 3.4 | 25000 | TH60 3 90B5 | TM 90 L4 | 71 |
| 21.0 | 660.1 | 66.5 | 1.4 | 10000 | TH40 3 90B5 | TM 90 L4 | 67 | |
| 23.2 | 598.0 | 60.3 | 1.5 | 10000 | TH40 3 90B5 | TM 90 L4 | 67 | |
| 24.0 | 579.3 | 58.4 | 0.9 | 7000 | TH35 3 90B5 | TM 90 L4 | 65 | |




| P _{1n} [kW] | n ₂ [RPM] | M _{2n} [Nm] | i | f _s | Fr ₂ [N] |  |  |  |
|-------------------------|-------------------------|-------------------------|------|----------------|------------------------|--|---|---|
| 1.5 | 24.5 | 568.1 | 57.2 | 2.8 | 16000 | TH50 3 90B5 | TM 90 L4 | 69 |
| | 27.9 | 498.7 | 50.3 | 1.8 | 10000 | TH40 3 90B5 | TM 90 L4 | 67 |
| | 28.4 | 489.4 | 49.3 | 1.1 | 7000 | TH35 3 90B5 | TM 90 L4 | 65 |
| | 29.0 | 478.4 | 48.2 | 3.3 | 15500 | TH50 3 90B5 | TM 90 L4 | 69 |
| | 32.9 | 422.8 | 42.6 | 2.0 | 10000 | TH40 3 90B5 | TM 90 L4 | 67 |
| | 33.1 | 419.5 | 42.3 | 1.2 | 7000 | TH35 3 90B5 | TM 90 L4 | 65 |
| | 34.0 | 408.5 | 41.2 | 3.8 | 14300 | TH50 3 90B5 | TM 90 L4 | 69 |
| | 35.5 | 391.2 | 39.4 | 2.1 | 10000 | TH40 3 90B5 | TM 90 L4 | 67 |
| | 37.1 | 375.0 | 37.8 | 2.2 | 10000 | TH40 2 90B5 | TM 90 L4 | 67 |
| | 38.2 | 363.5 | 36.6 | 1.2 | 7000 | TH35 3 90B5 | TM 90 L4 | 65 |
| | 39.3 | 353.8 | 35.7 | 0.8 | 5200 | TH30 2 90B5 | TM 90 L4 | 63 |
| | 40.8 | 340.5 | 34.3 | 1.4 | 7000 | TH35 2 90B5 | TM 90 L4 | 65 |
| | 41.8 | 332.6 | 33.5 | 2.4 | 10000 | TH40 2 90B5 | TM 90 L4 | 67 |
| | 43.9 | 316.5 | 31.9 | 0.9 | 5200 | TH30 2 90B5 | TM 90 L4 | 63 |
| | 46.2 | 301.0 | 30.3 | 1.5 | 7000 | TH35 2 90B5 | TM 90 L4 | 65 |
| | 46.6 | 297.9 | 30.0 | 2.7 | 10000 | TH40 2 90B5 | TM 90 L4 | 67 |
| | 48.7 | 285.3 | 28.8 | 1.1 | 5000 | TH30 2 90B5 | TM 90 L4 | 63 |
| | 51.6 | 269.0 | 27.1 | 3.0 | 10000 | TH40 2 90B5 | TM 90 L4 | 67 |
| | 51.7 | 268.8 | 27.1 | 1.7 | 7000 | TH35 2 90B5 | TM 90 L4 | 65 |
| | 52.4 | 264.9 | 26.7 | 0.8 | 3090 | TH25 2 90B5 | TM 90 L4 | 61 |
| | 56.8 | 244.6 | 24.6 | 3.2 | 10000 | TH40 2 90B5 | TM 90 L4 | 67 |
| | 57.4 | 241.9 | 24.4 | 1.9 | 6650 | TH35 2 90B5 | TM 90 L4 | 65 |
| | 58.8 | 236.4 | 23.8 | 1.3 | 4700 | TH30 2 90B5 | TM 90 L4 | 63 |
| | 61.8 | 224.7 | 22.6 | 0.9 | 2810 | TH25 2 90B5 | TM 90 L4 | 61 |
| | 63.4 | 219.2 | 22.1 | 2.0 | 6320 | TH35 2 90B5 | TM 90 L4 | 65 |
| | 69.6 | 199.7 | 20.1 | 1.5 | 4500 | TH30 2 90B5 | TM 90 L4 | 63 |
| | 71.8 | 193.4 | 19.5 | 1.0 | 2760 | TH25 2 90B5 | TM 90 L4 | 61 |
| | 76.0 | 182.8 | 18.4 | 2.4 | 5450 | TH35 2 90B5 | TM 90 L4 | 65 |
| | 81.2 | 171.2 | 17.3 | 1.8 | 4200 | TH30 2 90B5 | TM 90 L4 | 63 |
| | 82.5 | 168.3 | 17.0 | 1.1 | 2560 | TH25 2 90B5 | TM 90 L4 | 61 |
| | 93.6 | 148.4 | 15.0 | 2.0 | 3850 | TH30 2 90B5 | TM 90 L4 | 63 |
| | 94.0 | 147.9 | 14.9 | 1.2 | 2450 | TH25 2 90B5 | TM 90 L4 | 61 |
| | 96.9 | 143.4 | 14.4 | 2.8 | 5050 | TH35 2 90B5 | TM 90 L4 | 65 |
| | 110.8 | 125.4 | 12.6 | 2.1 | 3750 | TH30 2 90B5 | TM 90 L4 | 63 |
| 116.6 | 119.2 | 12.0 | 1.4 | 2350 | TH25 2 90B5 | TM 90 L4 | 61 | |
| 123.8 | 112.2 | 11.3 | 0.8 | 1480 | TH20 2 90B5 | TM 90 L4 | 59 | |
| 131.1 | 105.9 | 10.7 | 2.3 | 3600 | TH30 2 90B5 | TM 90 L4 | 63 | |
| 135.4 | 102.6 | 10.3 | 1.5 | 2230 | TH25 2 90B5 | TM 90 L4 | 61 | |
| 153.0 | 90.8 | 9.2 | 2.5 | 3500 | TH30 2 90B5 | TM 90 L4 | 63 | |
| 155.6 | 89.3 | 9.0 | 1.7 | 2100 | TH25 2 90B5 | TM 90 L4 | 61 | |
| 157.5 | 88.2 | 8.9 | 0.9 | 1450 | TH20 2 90B5 | TM 90 L4 | 59 | |

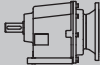


| P _{1n} [kW] | n ₂ [RPM] | M _{2n} [Nm] | i | f _s | Fr ₂ [N] |  |  |  |
|-------------------------|-------------------------|-------------------------|-------|----------------|------------------------|--|---|---|
| 1.5 | 176.5 | 78.7 | 7.9 | 3.1 | 2950 | TH30 2 90B5 | TM 90 L4 | 63 |
| | 177.2 | 78.4 | 7.9 | 1.9 | 1980 | TH25 2 90B5 | TM 90 L4 | 61 |
| | 182.3 | 76.2 | 7.7 | 0.9 | 1450 | TH20 2 90B5 | TM 90 L4 | 59 |
| | 212.4 | 65.4 | 6.6 | 2.1 | 1890 | TH25 2 90B5 | TM 90 L4 | 61 |
| | 229.5 | 60.5 | 6.1 | 3.4 | 2900 | TH30 2 90B5 | TM 90 L4 | 63 |
| | 254.4 | 54.6 | 5.5 | 1.0 | 1400 | TH20 2 90B5 | TM 90 L4 | 59 |
| | 275.4 | 50.4 | 5.1 | 4.0 | 2850 | TH30 2 90B5 | TM 90 L4 | 63 |
| | 281.1 | 49.4 | 5.0 | 2.1 | 1710 | TH25 2 90B5 | TM 90 L4 | 61 |
| | 306.3 | 45.4 | 4.6 | 1.1 | 1400 | TH20 2 90B5 | TM 90 L4 | 59 |
| | 365.5 | 38.0 | 3.8 | 2.3 | 1650 | TH25 2 90B5 | TM 90 L4 | 61 |
| | 388.9 | 35.7 | 3.6 | 1.2 | 1400 | TH20 2 90B5 | TM 90 L4 | 59 |
| | 424.9 | 32.7 | 6.6 | 2.8 | 1520 | TH25 2 90B5 | TM 90 S2 | 61 |
| | 508.7 | 27.3 | 5.5 | 1.4 | 1150 | TH20 2 90B5 | TM 90 S2 | 59 |
| | 562.2 | 24.7 | 5.0 | 2.9 | 1360 | TH25 2 90B5 | TM 90 S2 | 61 |
| | 612.5 | 22.7 | 4.6 | 1.5 | 1150 | TH20 2 90B5 | TM 90 S2 | 59 |
| | 731.1 | 19.0 | 3.8 | 3.3 | 1250 | TH25 2 90B5 | TM 90 S2 | 61 |
| | 777.8 | 17.9 | 3.6 | 2.0 | 1100 | TH20 2 90B5 | TM 90 S2 | 59 |
| 2.2 | 5.3 | 3851.0 | 170.1 | 1.1 | 31000 | TH80 3 112B5 | TM 112 M6 | 73 |
| | 5.9 | 3448.6 | 152.3 | 1.2 | 31000 | TH80 3 112B5 | TM 112 M6 | 73 |
| | 5.9 | 3476.6 | 153.5 | 0.7 | 25000 | TH60 3 112B5 | TM 112 M6 | 71 |
| | 6.5 | 3113.3 | 137.5 | 1.3 | 31000 | TH80 3 112B5 | TM 112 M6 | 73 |
| | 6.5 | 3143.8 | 138.8 | 0.7 | 25000 | TH60 3 112B5 | TM 112 M6 | 71 |
| | 7.1 | 2862.3 | 126.4 | 0.8 | 25000 | TH60 3 112B5 | TM 112 M6 | 71 |
| | 7.2 | 2829.6 | 125.0 | 1.5 | 31000 | TH80 3 112B5 | TM 112 M6 | 73 |
| | 7.8 | 2620.9 | 115.8 | 0.9 | 25000 | TH60 3 112B5 | TM 112 M6 | 71 |
| | 8.2 | 2475.6 | 170.1 | 1.7 | 31000 | TH80 3 100B5 | TM 100 L4 | 73 |
| | 8.2 | 2491.7 | 171.2 | 0.9 | 25000 | TH60 3 100B5 | TM 100 L4 | 71 |
| | 9.1 | 2235.0 | 153.5 | 1.0 | 25000 | TH60 3 100B5 | TM 100 L4 | 71 |
| | 9.2 | 2217.0 | 152.3 | 1.9 | 31000 | TH80 3 100B5 | TM 100 L4 | 73 |
| | 10.1 | 2021.0 | 138.8 | 1.1 | 25000 | TH60 3 100B5 | TM 100 L4 | 71 |
| | 10.2 | 2001.4 | 137.5 | 2.1 | 31000 | TH80 3 100B5 | TM 100 L4 | 73 |
| | 11.1 | 1840.0 | 126.4 | 1.2 | 25000 | TH60 3 100B5 | TM 100 L4 | 71 |
| | 11.2 | 1819.1 | 125.0 | 2.3 | 31000 | TH80 3 100B5 | TM 100 L4 | 73 |
| | 12.1 | 1684.9 | 115.8 | 1.3 | 25000 | TH60 3 100B5 | TM 100 L4 | 71 |
| | 12.3 | 1662.7 | 114.2 | 2.5 | 31000 | TH80 3 100B5 | TM 100 L4 | 73 |
| | 12.7 | 1608.2 | 110.5 | 0.9 | 16000 | TH50 3 100B5 | TM 100 L4 | 69 |
| | 13.1 | 1550.4 | 106.5 | 1.5 | 25000 | TH60 3 100B5 | TM 100 L4 | 71 |
| 13.3 | 1527.2 | 104.9 | 2.8 | 31000 | TH80 3 100B5 | TM 100 L4 | 73 | |

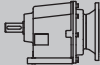


| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr ₂ [N] |  |  |  |
|-------------|-------------|-------------|-------|-------|------------------------|--|---|---|
| 2.2 | 13.8 | 1474.2 | 101.3 | 0.9 | 16000 | TH50 3 100B5 | TM 100 L4 | 69 |
| | 14.6 | 1398.9 | 96.1 | 1.6 | 25000 | TH60 3 100B5 | TM 100 L4 | 71 |
| | 15.3 | 1330.2 | 91.4 | 3.2 | 31000 | TH80 3 100B5 | TM 100 L4 | 73 |
| | 15.3 | 1336.0 | 91.8 | 1.0 | 16000 | TH50 3 100B5 | TM 100 L4 | 69 |
| | 16.0 | 1273.6 | 87.5 | 1.7 | 25000 | TH60 3 100B5 | TM 100 L4 | 71 |
| | 16.7 | 1217.6 | 83.7 | 1.1 | 16000 | TH50 3 100B5 | TM 100 L4 | 69 |
| | 17.5 | 1166.2 | 80.1 | 2.0 | 25000 | TH60 3 100B5 | TM 100 L4 | 71 |
| | 18.0 | 1130.2 | 77.7 | 3.7 | 31000 | TH80 3 100B5 | TM 100 L4 | 73 |
| | 20.2 | 1008.8 | 69.3 | 1.6 | 16000 | TH50 3 100B5 | TM 100 L4 | 69 |
| | 20.5 | 991.7 | 68.1 | 2.3 | 25000 | TH60 3 100B5 | TM 100 L4 | 71 |
| | 21.0 | 968.2 | 66.5 | 0.9 | 10000 | TH40 3 100B5 | TM 100 L4 | 67 |
| | 23.2 | 877.1 | 60.3 | 1.0 | 10000 | TH40 3 100B5 | TM 100 L4 | 67 |
| | 23.8 | 855.9 | 58.8 | 2.7 | 25000 | TH60 3 100B5 | TM 100 L4 | 71 |
| | 24.5 | 833.3 | 57.2 | 1.9 | 16000 | TH50 3 100B5 | TM 100 L4 | 69 |
| | 27.9 | 731.5 | 50.3 | 1.2 | 10000 | TH40 3 100B5 | TM 100 L4 | 67 |
| | 29.0 | 701.6 | 48.2 | 2.2 | 15500 | TH50 3 100B5 | TM 100 L4 | 69 |
| | 30.2 | 675.5 | 46.4 | 3.4 | 23800 | TH60 3 100B5 | TM 100 L4 | 71 |
| | 32.9 | 620.1 | 42.6 | 1.4 | 10000 | TH40 3 100B5 | TM 100 L4 | 67 |
| | 33.1 | 615.2 | 42.3 | 0.8 | 7000 | TH35 3 100B5 | TM 100 L4 | 65 |
| | 34.0 | 599.2 | 41.2 | 2.6 | 14300 | TH50 3 100B5 | TM 100 L4 | 69 |
| | 35.5 | 573.7 | 39.4 | 1.4 | 10000 | TH40 3 100B5 | TM 100 L4 | 67 |
| | 36.8 | 553.6 | 38.0 | 2.3 | 13800 | TH50 2 100B5 | TM 100 L4 | 69 |
| | 37.1 | 550.0 | 37.8 | 1.5 | 10000 | TH40 2 100B5 | TM 100 L4 | 67 |
| | 38.2 | 533.0 | 36.6 | 0.8 | 7000 | TH35 3 100B5 | TM 100 L4 | 65 |
| | 40.8 | 499.3 | 34.3 | 0.9 | 7000 | TH35 2 100B5 | TM 100 L4 | 65 |
| | 41.0 | 496.6 | 34.1 | 2.6 | 13700 | TH50 2 100B5 | TM 100 L4 | 69 |
| | 41.8 | 487.8 | 33.5 | 1.7 | 10000 | TH40 2 100B5 | TM 100 L4 | 67 |
| | 45.4 | 449.1 | 30.9 | 2.9 | 13600 | TH50 2 100B5 | TM 100 L4 | 69 |
| | 46.2 | 441.5 | 30.3 | 1.0 | 7000 | TH35 2 100B5 | TM 100 L4 | 65 |
| | 46.6 | 437.0 | 30.0 | 1.8 | 10000 | TH40 2 100B5 | TM 100 L4 | 67 |
| | 48.7 | 418.5 | 28.8 | 0.7 | 5000 | TH30 2 100B5 | TM 100 L4 | 63 |
| | 49.8 | 408.8 | 28.1 | 3.1 | 13400 | TH50 2 100B5 | TM 100 L4 | 69 |
| | 51.6 | 394.6 | 27.1 | 2.0 | 10000 | TH40 2 100B5 | TM 100 L4 | 67 |
| | 51.7 | 394.2 | 27.1 | 1.2 | 7000 | TH35 2 100B5 | TM 100 L4 | 65 |
| | 54.4 | 374.4 | 25.7 | 3.4 | 12600 | TH50 2 100B5 | TM 100 L4 | 69 |
| | 56.8 | 358.7 | 24.6 | 2.2 | 10000 | TH40 2 100B5 | TM 100 L4 | 67 |
| | 57.4 | 354.8 | 24.4 | 1.3 | 6650 | TH35 2 100B5 | TM 100 L4 | 65 |
| | 58.8 | 346.7 | 23.8 | 0.9 | 4700 | TH30 2 100B5 | TM 100 L4 | 63 |
| | 62.0 | 328.8 | 22.6 | 2.4 | 10000 | TH40 2 100B5 | TM 100 L4 | 67 |
| | 63.4 | 321.4 | 22.1 | 1.4 | 6320 | TH35 2 100B5 | TM 100 L4 | 65 |
| 68.4 | 298.0 | 20.5 | 2.6 | 10000 | TH40 2 100B5 | TM 100 L4 | 67 | |




| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr₂ [N] |  |  |  | |
|--------------------|--------------------|--------------------|----------|-----------|------------------------------|--|---|---|----|
| 2.2 | 69.6 | 292.9 | 20.1 | 1.0 | 4500 | TH30 2 100B5 | TM 100 L4 | 63 | |
| | 75.0 | 271.6 | 18.7 | 2.8 | 10000 | TH40 2 100B5 | TM 100 L4 | 67 | |
| | 76.0 | 268.1 | 18.4 | 1.6 | 5450 | TH35 2 100B5 | TM 100 L4 | 65 | |
| | 81.2 | 251.1 | 17.3 | 1.2 | 4200 | TH30 2 100B5 | TM 100 L4 | 63 | |
| | 89.1 | 228.7 | 15.7 | 3.4 | 9560 | TH40 2 100B5 | TM 100 L4 | 67 | |
| | 93.6 | 217.6 | 15.0 | 1.4 | 3850 | TH30 2 100B5 | TM 100 L4 | 63 | |
| | 96.9 | 210.3 | 14.4 | 1.9 | 5050 | TH35 2 100B5 | TM 100 L4 | 65 | |
| | 110.8 | 183.9 | 12.6 | 1.4 | 3750 | TH30 2 100B5 | TM 100 L4 | 63 | |
| | 112.5 | 181.2 | 12.4 | 2.3 | 4710 | TH35 2 100B5 | TM 100 L4 | 65 | |
| | 131.1 | 155.4 | 10.7 | 1.6 | 3600 | TH30 2 100B5 | TM 100 L4 | 63 | |
| | 134.9 | 151.1 | 10.4 | 2.8 | 4350 | TH35 2 100B5 | TM 100 L4 | 65 | |
| | 153.0 | 133.2 | 9.2 | 1.7 | 3500 | TH30 2 100B5 | TM 100 L4 | 63 | |
| | 159.1 | 128.1 | 8.8 | 3.1 | 4160 | TH35 2 100B5 | TM 100 L4 | 65 | |
| | 176.5 | 115.4 | 7.9 | 2.1 | 2950 | TH30 2 100B5 | TM 100 L4 | 63 | |
| | 229.5 | 88.8 | 6.1 | 2.3 | 2900 | TH30 2 100B5 | TM 100 L4 | 63 | |
| | 275.4 | 74.0 | 5.1 | 2.7 | 2850 | TH30 2 100B5 | TM 100 L4 | 63 | |
| | 388.4 | 52.5 | 3.6 | 2.8 | 2850 | TH30 2 100B5 | TM 100 L4 | 63 | |
| | 424.9 | 48.0 | 6.6 | 1.9 | 1520 | TH25 2 90B5 | TM 90 L2 | 61 | |
| | 459.0 | 44.4 | 6.1 | 3.4 | 2130 | TH30 2 90B5 | TM 90 L2 | 63 | |
| | 508.7 | 40.1 | 5.5 | 1.0 | 1150 | TH20 2 90B5 | TM 90 L2 | 59 | |
| | 550.8 | 37.0 | 5.1 | 3.8 | 1990 | TH30 2 90B5 | TM 90 L2 | 63 | |
| | 562.2 | 36.2 | 5.0 | 2.0 | 1360 | TH25 2 90B5 | TM 90 L2 | 61 | |
| | 612.5 | 33.3 | 4.6 | 1.0 | 1150 | TH20 2 90B5 | TM 90 L2 | 59 | |
| | 731.1 | 27.9 | 3.8 | 2.2 | 1250 | TH25 2 90B5 | TM 90 L2 | 61 | |
| | 776.8 | 26.2 | 3.6 | 4.5 | 1830 | TH30 2 90B5 | TM 90 L2 | 63 | |
| | 777.8 | 26.2 | 3.6 | 1.4 | 1100 | TH20 2 90B5 | TM 90 L2 | 59 | |
| | 3.7 | 5.3 | 6476.6 | 170.1 | 0.7 | 31000 | TH80 3 132B5 | TM 132 S6 | 73 |
| | | 5.9 | 5800.0 | 152.3 | 0.7 | 31000 | TH80 3 132B5 | TM 132 S6 | 73 |
| 6.5 | | 5236.1 | 137.5 | 0.8 | 31000 | TH80 3 132B5 | TM 132 S6 | 73 | |
| 7.2 | | 4758.9 | 125.0 | 0.9 | 31000 | TH80 3 132B5 | TM 132 S6 | 73 | |
| 7.9 | | 4350.0 | 114.2 | 1.0 | 31000 | TH80 3 132B5 | TM 132 S6 | 73 | |
| 8.2 | | 4163.5 | 170.1 | 1.1 | 31000 | TH80 3 112B5 | TM 112 M4 | 73 | |
| 9.2 | | 3728.5 | 152.3 | 1.1 | 31000 | TH80 3 112B5 | TM 112 M4 | 73 | |
| 10.2 | | 3366.0 | 137.5 | 1.2 | 31000 | TH80 3 112B5 | TM 112 M4 | 73 | |
| 11.2 | | 3059.3 | 125.0 | 1.4 | 31000 | TH80 3 112B5 | TM 112 M4 | 73 | |
| 12.1 | | 2833.6 | 115.8 | 0.8 | 25000 | TH60 3 112B5 | TM 112 M4 | 71 | |
| 12.3 | | 2796.4 | 114.2 | 1.5 | 31000 | TH80 3 112B5 | TM 112 M4 | 73 | |
| 13.1 | | 2607.5 | 106.5 | 0.9 | 25000 | TH60 3 112B5 | TM 112 M4 | 71 | |
| 13.3 | | 2568.5 | 104.9 | 1.6 | 31000 | TH80 3 112B5 | TM 112 M4 | 73 | |
| 14.6 | | 2352.7 | 96.1 | 0.9 | 25000 | TH60 3 112B5 | TM 112 M4 | 71 | |

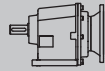
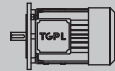

| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr2 [N] |  |  |  |
|-------------|-------------|-------------|------|------|--------------|--|---|---|
| 3.7 | 15.3 | 2237.1 | 91.4 | 1.9 | 31000 | TH80 3 112B5 | TM 112 M4 | 73 |
| | 16.0 | 2142.0 | 87.5 | 1.0 | 25000 | TH60 3 112B5 | TM 112 M4 | 71 |
| | 17.5 | 1961.3 | 80.1 | 1.2 | 25000 | TH60 3 112B5 | TM 112 M4 | 71 |
| | 18.0 | 1900.8 | 77.7 | 2.2 | 31000 | TH80 3 112B5 | TM 112 M4 | 73 |
| | 20.2 | 1696.7 | 69.3 | 0.9 | 16000 | TH50 3 112B5 | TM 112 M4 | 69 |
| | 20.5 | 1667.8 | 68.1 | 1.4 | 25000 | TH60 3 112B5 | TM 112 M4 | 71 |
| | 21.0 | 1635.3 | 66.8 | 2.6 | 31000 | TH80 3 112B5 | TM 112 M4 | 73 |
| | 23.8 | 1439.5 | 58.8 | 1.6 | 25000 | TH60 3 112B5 | TM 112 M4 | 71 |
| | 24.5 | 1401.4 | 57.2 | 1.1 | 16000 | TH50 3 112B5 | TM 112 M4 | 69 |
| | 29.0 | 1180.0 | 48.2 | 1.3 | 15500 | TH50 3 112B5 | TM 112 M4 | 69 |
| | 30.2 | 1136.1 | 46.4 | 2.0 | 23800 | TH60 3 112B5 | TM 112 M4 | 71 |
| | 32.9 | 1042.9 | 42.6 | 0.8 | 10000 | TH40 3 112B5 | TM 112 M4 | 67 |
| | 34.0 | 1007.7 | 41.2 | 1.5 | 14300 | TH50 3 112B5 | TM 112 M4 | 69 |
| | 35.4 | 966.9 | 39.5 | 2.4 | 22800 | TH60 3 112B5 | TM 112 M4 | 71 |
| | 35.5 | 964.9 | 39.4 | 0.8 | 10000 | TH40 3 112B5 | TM 112 M4 | 67 |
| | 36.8 | 931.1 | 38.0 | 1.4 | 13800 | TH50 2 112B5 | TM 112 M4 | 69 |
| | 37.1 | 925.0 | 37.8 | 0.9 | 10000 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 38.3 | 895.6 | 36.6 | 2.6 | 22150 | TH60 3 112B5 | TM 112 M4 | 71 |
| | 41.0 | 835.2 | 34.1 | 1.6 | 13700 | TH50 2 112B5 | TM 112 M4 | 69 |
| | 41.8 | 820.4 | 33.5 | 1.0 | 10000 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 43.7 | 784.9 | 32.1 | 2.4 | 21000 | TH60 2 112B5 | TM 112 M4 | 71 |
| | 45.4 | 755.2 | 30.9 | 1.7 | 13600 | TH50 2 112B5 | TM 112 M4 | 69 |
| | 46.6 | 734.9 | 30.0 | 1.1 | 10000 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 48.8 | 702.9 | 28.7 | 2.7 | 19200 | TH60 2 112B5 | TM 112 M4 | 71 |
| | 49.8 | 687.6 | 28.1 | 1.8 | 13400 | TH50 2 112B5 | TM 112 M4 | 69 |
| | 51.6 | 663.6 | 27.1 | 1.2 | 10000 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 54.0 | 634.6 | 25.9 | 3.2 | 18500 | TH60 2 112B5 | TM 112 M4 | 71 |
| | 54.4 | 629.6 | 25.7 | 2.0 | 12600 | TH50 2 112B5 | TM 112 M4 | 69 |
| | 56.8 | 603.3 | 24.6 | 1.3 | 10000 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 59.2 | 579.4 | 23.7 | 2.2 | 11900 | TH50 2 112B5 | TM 112 M4 | 69 |
| | 59.4 | 576.8 | 23.6 | 3.5 | 17900 | TH60 2 112B5 | TM 112 M4 | 71 |
| | 62.0 | 553.0 | 22.6 | 1.4 | 10000 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 63.4 | 540.6 | 22.1 | 0.8 | 6320 | TH35 2 112B5 | TM 112 M4 | 65 |
| | 64.0 | 535.4 | 21.9 | 2.4 | 11500 | TH50 2 112B5 | TM 112 M4 | 69 |
| | 68.4 | 501.2 | 20.5 | 1.6 | 10000 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 74.0 | 463.1 | 18.9 | 2.7 | 11000 | TH50 2 112B5 | TM 112 M4 | 69 |
| | 75.0 | 456.8 | 18.7 | 1.7 | 10000 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 76.0 | 450.8 | 18.4 | 1.0 | 5450 | TH35 2 112B5 | TM 112 M4 | 65 |
| | 89.1 | 384.6 | 15.7 | 2.0 | 9560 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 93.5 | 366.4 | 15.0 | 3.7 | 9430 | TH50 2 112B5 | TM 112 M4 | 69 |
| 93.6 | 366.0 | 15.0 | 0.8 | 3850 | TH30 2 112B5 | TM 112 M4 | 63 | |




| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr ₂ [N] |  |  |  |
|-------------|-------------|-------------|-------|-----|------------------------|--|---|---|
| 3.7 | 96.9 | 353.6 | 14.4 | 1.1 | 5050 | TH35 2 112B5 | TM 112 M4 | 65 |
| | 104.0 | 329.5 | 13.4 | 2.3 | 9100 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 110.8 | 309.3 | 12.6 | 0.9 | 3750 | TH30 2 112B5 | TM 112 M4 | 63 |
| | 112.5 | 304.7 | 12.4 | 1.4 | 4710 | TH35 2 112B5 | TM 112 M4 | 65 |
| | 117.4 | 291.9 | 11.9 | 2.5 | 8150 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 131.1 | 261.3 | 10.7 | 0.9 | 3600 | TH30 2 112B5 | TM 112 M4 | 63 |
| | 134.9 | 254.1 | 10.4 | 1.7 | 4350 | TH35 2 112B5 | TM 112 M4 | 65 |
| | 139.4 | 245.8 | 10.0 | 2.8 | 7560 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 153.0 | 224.0 | 9.2 | 1.0 | 3500 | TH30 2 112B5 | TM 112 M4 | 63 |
| | 159.1 | 215.4 | 8.8 | 1.8 | 4160 | TH35 2 112B5 | TM 112 M4 | 65 |
| | 163.3 | 209.9 | 8.6 | 3.2 | 6680 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 172.0 | 199.3 | 8.1 | 1.9 | 3980 | TH35 2 112B5 | TM 112 M4 | 65 |
| | 176.5 | 194.1 | 7.9 | 1.3 | 2950 | TH30 2 112B5 | TM 112 M4 | 63 |
| | 189.1 | 181.2 | 7.4 | 3.4 | 6050 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 199.4 | 171.9 | 7.0 | 2.1 | 3806 | TH35 2 112B5 | TM 112 M4 | 65 |
| | 202.9 | 168.9 | 6.9 | 3.6 | 5980 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 229.3 | 149.5 | 6.1 | 2.2 | 3550 | TH35 2 112B5 | TM 112 M4 | 65 |
| | 229.5 | 149.3 | 6.1 | 1.4 | 2900 | TH30 2 112B5 | TM 112 M4 | 63 |
| | 248.1 | 138.2 | 5.6 | 3.9 | 5650 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 275.4 | 124.4 | 5.1 | 1.6 | 2850 | TH30 2 112B5 | TM 112 M4 | 63 |
| | 279.6 | 122.6 | 5.0 | 2.4 | 3210 | TH35 2 112B5 | TM 112 M4 | 65 |
| | 319.1 | 107.4 | 4.4 | 4.5 | 5360 | TH40 2 112B5 | TM 112 M4 | 67 |
| | 382.2 | 89.7 | 3.7 | 3.0 | 3100 | TH35 2 112B5 | TM 112 M4 | 65 |
| | 388.4 | 88.2 | 3.6 | 1.7 | 2850 | TH30 2 112B5 | TM 112 M4 | 63 |
| | 398.8 | 85.9 | 7.0 | 3.5 | 2650 | TH35 2 100B5 | TM 100 L2 | 65 |
| | 458.6 | 74.7 | 6.1 | 4.0 | 2050 | TH35 2 100B5 | TM 100 L2 | 65 |
| | 459.0 | 74.7 | 6.1 | 2.0 | 2130 | TH30 2 100B5 | TM 100 L2 | 63 |
| | 550.8 | 62.2 | 5.1 | 2.2 | 1990 | TH30 2 100B5 | TM 100 L2 | 63 |
| | 559.3 | 61.3 | 5.0 | 4.9 | 1850 | TH35 2 100B5 | TM 100 L2 | 65 |
| | 776.8 | 44.1 | 3.6 | 2.7 | 1830 | TH30 2 100B5 | TM 100 L2 | 63 |
| 5.5 | 7.9 | 6466.2 | 114.2 | 0.7 | 31000 | TH80 3 132B5 | TM 132 M6 | 73 |
| | 8.2 | 6189.0 | 170.1 | 0.7 | 31000 | TH80 3 132B5 | TM 132 S4 | 73 |
| | 9.2 | 5542.4 | 152.3 | 0.8 | 31000 | TH80 3 132B5 | TM 132 S4 | 73 |
| | 10.2 | 5003.6 | 137.5 | 0.8 | 31000 | TH80 3 132B5 | TM 132 S4 | 73 |
| | 11.2 | 4547.6 | 125.0 | 0.9 | 31000 | TH80 3 132B5 | TM 132 S4 | 73 |
| | 12.3 | 4156.8 | 114.2 | 1.0 | 31000 | TH80 3 132B5 | TM 132 S4 | 73 |
| | 13.3 | 3818.1 | 104.9 | 1.1 | 31000 | TH80 3 132B5 | TM 132 S4 | 73 |
| | 15.3 | 3325.5 | 91.4 | 1.3 | 31000 | TH80 3 132B5 | TM 132 S4 | 73 |
| | 17.5 | 2915.5 | 80.1 | 0.8 | 25000 | TH60 3 132B5 | TM 132 S4 | 71 |
| | 18.0 | 2825.5 | 77.7 | 1.5 | 31000 | TH80 3 132B5 | TM 132 S4 | 73 |




| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr2 [N] |  |  |  |
|-------------|-------------|-------------|------|------|--------------|--|---|---|
| 5.5 | 20.5 | 2479.2 | 68.1 | 0.9 | 25000 | TH60 3 132B5 | TM 132 S4 | 71 |
| | 21.0 | 2430.9 | 66.8 | 1.7 | 31000 | TH80 3 132B5 | TM 132 S4 | 73 |
| | 23.3 | 2190.9 | 60.2 | 1.9 | 31000 | TH80 3 132B5 | TM 132 S4 | 73 |
| | 23.8 | 2139.9 | 58.8 | 1.1 | 25000 | TH60 3 132B5 | TM 132 S4 | 71 |
| | 27.4 | 1861.5 | 51.2 | 2.3 | 31000 | TH80 3 132B5 | TM 132 S4 | 73 |
| | 29.0 | 1754.0 | 48.2 | 0.9 | 15500 | TH50 3 132B5 | TM 132 S4 | 69 |
| | 30.2 | 1688.7 | 46.4 | 1.4 | 23800 | TH60 3 132B5 | TM 132 S4 | 71 |
| | 31.8 | 1601.5 | 44.0 | 2.6 | 31000 | TH80 3 132B5 | TM 132 S4 | 73 |
| | 34.0 | 1498.0 | 41.2 | 1.0 | 14300 | TH50 3 132B5 | TM 132 S4 | 69 |
| | 35.4 | 1437.2 | 39.5 | 1.6 | 22800 | TH60 3 132B5 | TM 132 S4 | 71 |
| | 36.8 | 1384.1 | 38.0 | 0.9 | 13800 | TH50 2 132B5 | TM 132 S4 | 69 |
| | 38.3 | 1331.3 | 36.6 | 1.7 | 22150 | TH60 3 132B5 | TM 132 S4 | 71 |
| | 39.2 | 1300.1 | 35.7 | 3.2 | 31000 | TH80 3 132B5 | TM 132 S4 | 73 |
| | 41.0 | 1241.5 | 34.1 | 1.0 | 13700 | TH50 2 132B5 | TM 132 S4 | 69 |
| | 42.4 | 1201.0 | 33.0 | 3.5 | 30000 | TH80 2 132B5 | TM 132 S4 | 73 |
| | 43.7 | 1166.8 | 32.1 | 1.6 | 21000 | TH60 2 132B5 | TM 132 S4 | 71 |
| | 45.4 | 1122.7 | 30.9 | 1.2 | 13600 | TH50 2 132B5 | TM 132 S4 | 69 |
| | 47.4 | 1075.1 | 29.6 | 3.8 | 29000 | TH80 2 132B5 | TM 132 S4 | 73 |
| | 48.8 | 1044.9 | 28.7 | 1.8 | 19200 | TH60 2 132B5 | TM 132 S4 | 71 |
| | 49.8 | 1022.1 | 28.1 | 1.2 | 13400 | TH50 2 132B5 | TM 132 S4 | 69 |
| | 51.6 | 986.4 | 27.1 | 0.8 | 10000 | TH40 2 132B5 | TM 132 S4 | 67 |
| | 54.4 | 935.9 | 25.7 | 1.4 | 12600 | TH50 2 132B5 | TM 132 S4 | 69 |
| | 56.8 | 896.7 | 24.6 | 0.9 | 10000 | TH40 2 132B5 | TM 132 S4 | 67 |
| | 59.2 | 861.2 | 23.7 | 1.5 | 11900 | TH50 2 132B5 | TM 132 S4 | 69 |
| | 59.4 | 857.4 | 23.6 | 2.4 | 17900 | TH60 2 132B5 | TM 132 S4 | 71 |
| | 62.0 | 822.0 | 22.6 | 1.0 | 10000 | TH40 2 132B5 | TM 132 S4 | 67 |
| | 64.0 | 795.9 | 21.9 | 1.6 | 11500 | TH50 2 132B5 | TM 132 S4 | 69 |
| | 65.0 | 783.7 | 21.5 | 2.6 | 17200 | TH60 2 132B5 | TM 132 S4 | 71 |
| | 68.4 | 745.0 | 20.5 | 1.0 | 10000 | TH40 2 132B5 | TM 132 S4 | 67 |
| | 70.8 | 719.8 | 19.8 | 2.8 | 15600 | TH60 2 132B5 | TM 132 S4 | 71 |
| | 74.0 | 688.5 | 18.9 | 1.8 | 11000 | TH50 2 132B5 | TM 132 S4 | 69 |
| | 75.0 | 679.0 | 18.7 | 1.1 | 10000 | TH40 2 132B5 | TM 132 S4 | 67 |
| | 81.3 | 626.9 | 17.2 | 3.2 | 13800 | TH60 2 132B5 | TM 132 S4 | 71 |
| | 89.1 | 571.7 | 15.7 | 1.4 | 9560 | TH40 2 132B5 | TM 132 S4 | 67 |
| | 93.5 | 544.6 | 15.0 | 2.5 | 9430 | TH50 2 132B5 | TM 132 S4 | 69 |
| | 104.0 | 489.9 | 13.4 | 1.5 | 9100 | TH40 2 132B5 | TM 132 S4 | 67 |
| 108.4 | 470.1 | 12.9 | 3.0 | 8530 | TH50 2 132B5 | TM 132 S4 | 69 | |
| 117.4 | 433.9 | 11.9 | 1.7 | 8150 | TH40 2 132B5 | TM 132 S4 | 67 | |
| 137.3 | 371.0 | 10.2 | 3.5 | 7710 | TH50 2 132B5 | TM 132 S4 | 69 | |
| 139.4 | 365.4 | 10.0 | 1.9 | 7560 | TH40 2 132B5 | TM 132 S4 | 67 | |
| 163.3 | 312.0 | 8.6 | 2.1 | 6680 | TH40 2 132B5 | TM 132 S4 | 67 | |




| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr₂ [N] |  |  |  |
|--------------------|--------------------|--------------------|----------|-----------|------------------------------|--|---|---|
| 5.5 | 189.1 | 269.4 | 7.4 | 2.3 | 6050 | TH40 2 132B5 | TM 132 S4 | 67 |
| | 202.9 | 251.1 | 6.9 | 2.4 | 5980 | TH40 2 132B5 | TM 132 S4 | 67 |
| | 248.1 | 205.4 | 5.6 | 2.6 | 5650 | TH40 2 132B5 | TM 132 S4 | 67 |
| | 319.1 | 159.7 | 4.4 | 3.0 | 5360 | TH40 2 132B5 | TM 132 S4 | 67 |
| | 326.5 | 156.0 | 8.6 | 3.6 | 5100 | TH40 2 132B5 | TM 132 SA2 | 67 |
| | 378.3 | 134.7 | 7.4 | 3.8 | 4900 | TH40 2 132B5 | TM 132 SA2 | 67 |
| | 405.8 | 125.5 | 6.9 | 4.0 | 4750 | TH40 2 132B5 | TM 132 SA2 | 67 |
| | 496.1 | 102.7 | 5.6 | 4.3 | 4360 | TH40 2 132B5 | TM 132 SA2 | 67 |
| | 638.2 | 79.8 | 4.4 | 4.9 | 4010 | TH40 2 132B5 | TM 132 SA2 | 67 |
| | 7.5 | 12.3 | 5668.4 | 114.2 | 0.7 | 31000 | TH80 3 132B5 | TM 132 M4 |
| 13.3 | | 5206.5 | 104.9 | 0.8 | 31000 | TH80 3 132B5 | TM 132 M4 | 73 |
| 15.3 | | 4534.7 | 91.4 | 0.9 | 31000 | TH80 3 132B5 | TM 132 M4 | 73 |
| 18.0 | | 3853.0 | 77.7 | 1.1 | 31000 | TH80 3 132B5 | TM 132 M4 | 73 |
| 21.0 | | 3314.8 | 66.8 | 1.3 | 31000 | TH80 3 132B5 | TM 132 M4 | 73 |
| 23.3 | | 2987.6 | 60.2 | 1.4 | 31000 | TH80 3 132B5 | TM 132 M4 | 73 |
| 23.8 | | 2918.0 | 58.8 | 0.8 | 25000 | TH60 3 132B5 | TM 132 M4 | 71 |
| 27.4 | | 2538.5 | 51.2 | 1.7 | 31000 | TH80 3 132B5 | TM 132 M4 | 73 |
| 30.2 | | 2302.8 | 46.4 | 1.0 | 23800 | TH60 3 132B5 | TM 132 M4 | 71 |
| 31.8 | | 2183.9 | 44.0 | 1.9 | 31000 | TH80 3 132B5 | TM 132 M4 | 73 |
| 35.4 | | 1959.8 | 39.5 | 1.2 | 22800 | TH60 3 132B5 | TM 132 M4 | 71 |
| 38.3 | | 1815.4 | 36.6 | 1.3 | 22150 | TH60 3 132B5 | TM 132 M4 | 71 |
| 39.2 | | 1772.9 | 35.7 | 2.4 | 31000 | TH80 3 132B5 | TM 132 M4 | 73 |
| 42.4 | | 1637.7 | 33.0 | 2.5 | 30000 | TH80 2 132B5 | TM 132 M4 | 73 |
| 43.7 | | 1591.1 | 32.1 | 1.2 | 21000 | TH60 2 132B5 | TM 132 M4 | 71 |
| 45.4 | | 1530.9 | 30.9 | 0.8 | 13600 | TH50 2 132B5 | TM 132 M4 | 69 |
| 47.4 | | 1466.1 | 29.6 | 2.8 | 29000 | TH80 2 132B5 | TM 132 M4 | 73 |
| 48.8 | | 1424.9 | 28.7 | 1.3 | 19200 | TH60 2 132B5 | TM 132 M4 | 71 |
| 49.8 | | 1393.8 | 28.1 | 0.9 | 13400 | TH50 2 132B5 | TM 132 M4 | 69 |
| 52.5 | | 1323.3 | 26.7 | 3.0 | 28200 | TH80 2 132B5 | TM 132 M4 | 73 |
| 54.0 | | 1286.3 | 25.9 | 1.6 | 18500 | TH60 2 132B5 | TM 132 M4 | 71 |
| 54.4 | | 1276.3 | 25.7 | 1.0 | 12600 | TH50 2 132B5 | TM 132 M4 | 69 |
| 57.8 | | 1202.4 | 24.2 | 3.3 | 27500 | TH80 2 132B5 | TM 132 M4 | 73 |
| 59.2 | | 1174.4 | 23.7 | 1.1 | 11900 | TH50 2 132B5 | TM 132 M4 | 69 |
| 59.4 | | 1169.1 | 23.6 | 1.7 | 17900 | TH60 2 132B5 | TM 132 M4 | 71 |
| 63.2 | | 1098.8 | 22.1 | 3.5 | 25500 | TH80 2 132B5 | TM 132 M4 | 73 |
| 64.0 | | 1085.3 | 21.9 | 1.2 | 11500 | TH50 2 132B5 | TM 132 M4 | 69 |
| 65.0 | | 1068.7 | 21.5 | 1.9 | 17200 | TH60 2 132B5 | TM 132 M4 | 71 |
| 68.9 | | 1009.0 | 20.3 | 3.9 | 24100 | TH80 2 132B5 | TM 132 M4 | 73 |




| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr₂ [N] |  |  |  |
|--------------------|--------------------|--------------------|----------|-----------|------------------------------|--|---|---|
| 7.5 | 70.8 | 981.6 | 19.8 | 2.1 | 15600 | TH60 2 132B5 | TM 132 M4 | 71 |
| | 74.0 | 938.8 | 18.9 | 1.3 | 11000 | TH50 2 132B5 | TM 132 M4 | 69 |
| | 75.0 | 925.9 | 18.7 | 0.8 | 10000 | TH40 2 132B5 | TM 132 M4 | 67 |
| | 81.3 | 854.9 | 17.2 | 2.4 | 13800 | TH60 2 132B5 | TM 132 M4 | 71 |
| | 89.1 | 779.6 | 15.7 | 1.0 | 9560 | TH40 2 132B5 | TM 132 M4 | 67 |
| | 93.5 | 742.7 | 15.0 | 1.8 | 9430 | TH50 2 132B5 | TM 132 M4 | 69 |
| | 95.6 | 726.4 | 14.6 | 2.8 | 12100 | TH60 2 132B5 | TM 132 M4 | 71 |
| | 104.0 | 667.9 | 13.4 | 1.1 | 9100 | TH40 2 132B5 | TM 132 M4 | 67 |
| | 108.4 | 641.0 | 12.9 | 2.2 | 8530 | TH50 2 132B5 | TM 132 M4 | 69 |
| | 117.4 | 591.7 | 11.9 | 3.6 | 9350 | TH60 2 132B5 | TM 132 M4 | 71 |
| | 117.4 | 591.7 | 11.9 | 1.3 | 8150 | TH40 2 132B5 | TM 132 M4 | 67 |
| | 137.3 | 505.9 | 10.2 | 2.6 | 7710 | TH50 2 132B5 | TM 132 M4 | 69 |
| | 138.2 | 502.8 | 10.1 | 4.1 | 8750 | TH60 2 132B5 | TM 132 M4 | 71 |
| | 139.4 | 498.2 | 10.0 | 1.4 | 7560 | TH40 2 132B5 | TM 132 M4 | 67 |
| | 160.6 | 432.6 | 8.7 | 4.7 | 7680 | TH60 2 132B5 | TM 132 M4 | 71 |
| | 161.4 | 430.5 | 8.7 | 2.9 | 7540 | TH50 2 132B5 | TM 132 M4 | 69 |
| | 163.3 | 425.5 | 8.6 | 1.6 | 6680 | TH40 2 132B5 | TM 132 M4 | 67 |
| | 174.2 | 398.8 | 8.0 | 3.0 | 7060 | TH50 2 132B5 | TM 132 M4 | 69 |
| | 189.1 | 367.3 | 7.4 | 1.7 | 6050 | TH40 2 132B5 | TM 132 M4 | 67 |
| | 197.8 | 351.2 | 7.1 | 5.2 | 7400 | TH60 2 132B5 | TM 132 M4 | 71 |
| | 201.7 | 344.4 | 6.9 | 3.2 | 6850 | TH50 2 132B5 | TM 132 M4 | 69 |
| | 202.9 | 342.4 | 6.9 | 1.8 | 5980 | TH40 2 132B5 | TM 132 M4 | 67 |
| | 240.1 | 289.3 | 5.8 | 5.8 | 7350 | TH60 2 132B5 | TM 132 M4 | 71 |
| | 248.1 | 280.1 | 5.6 | 1.9 | 5650 | TH40 2 132B5 | TM 132 M4 | 67 |
| | 248.2 | 279.9 | 5.6 | 3.3 | 6550 | TH50 2 132B5 | TM 132 M4 | 69 |
| | 306.4 | 226.7 | 4.6 | 6.9 | 7100 | TH60 2 132B5 | TM 132 M4 | 71 |
| | 319.1 | 217.7 | 4.4 | 2.2 | 5360 | TH40 2 132B5 | TM 132 M4 | 67 |
| | 322.7 | 215.3 | 4.3 | 3.5 | 6100 | TH50 2 132B5 | TM 132 M4 | 69 |
| | 378.3 | 183.7 | 7.4 | 2.8 | 4900 | TH40 2 132B5 | TM 132 SB2 | 67 |
| | 405.8 | 171.2 | 6.9 | 2.9 | 4750 | TH40 2 132B5 | TM 132 SB2 | 67 |
| | 496.1 | 140.0 | 5.6 | 3.2 | 4360 | TH40 2 132B5 | TM 132 SB2 | 67 |
| | 638.2 | 108.9 | 4.4 | 3.6 | 4010 | TH40 2 132B5 | TM 132 SB2 | 67 |

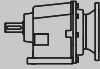


| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr ₂ [N] |  |  |  |
|-------------|-------------|-------------|------|------|------------------------|--|---|---|
| 9.3 | 15.3 | 5623.0 | 91.4 | 0.8 | 31000 | TH80 3 160B5 | TM 160 MA4 | 73 |
| | 18.0 | 4777.7 | 77.7 | 0.9 | 31000 | TH80 3 160B5 | TM 160 MA4 | 73 |
| | 21.0 | 4110.4 | 66.8 | 1.0 | 31000 | TH80 3 160B5 | TM 160 MA4 | 73 |
| | 23.3 | 3704.6 | 60.2 | 1.1 | 31000 | TH80 3 160B5 | TM 160 MA4 | 73 |
| | 27.4 | 3147.7 | 51.2 | 1.3 | 31000 | TH80 3 160B5 | TM 160 MA4 | 73 |
| | 30.2 | 2855.5 | 46.4 | 0.8 | 23800 | TH60 3 160B5 | TM 160 MA4 | 71 |
| | 31.8 | 2708.0 | 44.0 | 1.6 | 31000 | TH80 3 160B5 | TM 160 MA4 | 73 |
| | 35.4 | 2430.2 | 39.5 | 0.9 | 22800 | TH60 3 160B5 | TM 160 MA4 | 71 |
| | 38.3 | 2251.1 | 36.6 | 1.0 | 22150 | TH60 3 160B5 | TM 160 MA4 | 71 |
| | 39.2 | 2198.4 | 35.7 | 1.9 | 31000 | TH80 3 160B5 | TM 160 MA4 | 73 |
| | 42.4 | 2030.7 | 33.0 | 2.0 | 30000 | TH80 2 160B5 | TM 160 MA4 | 73 |
| | 43.7 | 1973.0 | 32.1 | 1.0 | 21000 | TH60 2 160B5 | TM 160 MA4 | 71 |
| | 47.4 | 1818.0 | 29.6 | 2.2 | 29000 | TH80 2 160B5 | TM 160 MA4 | 73 |
| | 48.8 | 1766.8 | 28.7 | 1.1 | 19200 | TH60 2 160B5 | TM 160 MA4 | 71 |
| | 52.5 | 1640.8 | 26.7 | 2.5 | 28200 | TH80 2 160B5 | TM 160 MA4 | 73 |
| | 54.0 | 1595.1 | 25.9 | 1.3 | 18500 | TH60 2 160B5 | TM 160 MA4 | 71 |
| | 54.4 | 1582.6 | 25.7 | 0.8 | 12600 | TH50 2 160B5 | TM 160 MA4 | 69 |
| | 57.8 | 1491.0 | 24.2 | 2.7 | 27500 | TH80 2 160B5 | TM 160 MA4 | 73 |
| | 59.2 | 1456.2 | 23.7 | 0.9 | 11900 | TH50 2 160B5 | TM 160 MA4 | 69 |
| | 59.4 | 1449.7 | 23.6 | 1.4 | 17900 | TH60 2 160B5 | TM 160 MA4 | 71 |
| | 63.2 | 1362.5 | 22.1 | 2.9 | 25500 | TH80 2 160B5 | TM 160 MA4 | 73 |
| | 64.0 | 1345.7 | 21.9 | 0.9 | 11500 | TH50 2 160B5 | TM 160 MA4 | 69 |
| | 65.0 | 1325.1 | 21.5 | 1.5 | 17200 | TH60 2 160B5 | TM 160 MA4 | 71 |
| | 68.9 | 1251.1 | 20.3 | 3.2 | 24100 | TH80 2 160B5 | TM 160 MA4 | 73 |
| | 70.8 | 1217.2 | 19.8 | 1.7 | 15600 | TH60 2 160B5 | TM 160 MA4 | 71 |
| | 74.0 | 1164.1 | 18.9 | 1.1 | 10300 | TH50 2 160B5 | TM 160 MA4 | 69 |
| | 77.8 | 1107.6 | 18.0 | 3.5 | 23600 | TH80 2 160B5 | TM 160 MA4 | 73 |
| | 81.3 | 1060.1 | 17.2 | 1.9 | 13800 | TH60 2 160B5 | TM 160 MA4 | 71 |
| | 93.5 | 920.9 | 15.0 | 1.5 | 9430 | TH50 2 160B5 | TM 160 MA4 | 69 |
| | 95.6 | 900.7 | 14.6 | 2.2 | 12100 | TH60 2 160B5 | TM 160 MA4 | 71 |
| | 108.4 | 794.9 | 12.9 | 1.8 | 8530 | TH50 2 160B5 | TM 160 MA4 | 69 |
| | 117.4 | 733.8 | 11.9 | 2.9 | 9350 | TH60 2 160B5 | TM 160 MA4 | 71 |
| | 137.3 | 627.3 | 10.2 | 2.1 | 7710 | TH50 2 160B5 | TM 160 MA4 | 69 |
| | 138.2 | 623.5 | 10.1 | 3.3 | 8750 | TH60 2 160B5 | TM 160 MA4 | 71 |
| | 160.6 | 536.4 | 8.7 | 3.8 | 7680 | TH60 2 160B5 | TM 160 MA4 | 71 |
| | 161.4 | 533.9 | 8.7 | 2.3 | 7540 | TH50 2 160B5 | TM 160 MA4 | 69 |
| 174.2 | 494.5 | 8.0 | 2.4 | 7060 | TH50 2 160B5 | TM 160 MA4 | 69 | |
| 201.7 | 427.1 | 6.9 | 2.6 | 6850 | TH50 2 160B5 | TM 160 MA4 | 69 | |
| 248.2 | 347.0 | 5.6 | 2.7 | 6550 | TH50 2 160B5 | TM 160 MA4 | 69 | |
| 322.7 | 266.9 | 4.3 | 2.8 | 6100 | TH50 2 160B5 | TM 160 MA4 | 69 | |
| 326.5 | 263.8 | 8.6 | 2.1 | 5100 | TH40 2 132B5 | TM 132 M2 | 67 | |

| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr2 [N] |  |  |  |
|-------------|-------------|-------------|------|------|--------------|--|---|---|
| 9.3 | 378.3 | 227.7 | 7.4 | 2.2 | 4900 | TH40 2 132B5 | TM 132 M2 | 67 |
| | 405.8 | 212.3 | 6.9 | 2.3 | 4750 | TH40 2 132B5 | TM 132 M2 | 67 |
| | 496.1 | 173.6 | 5.6 | 2.6 | 4360 | TH40 2 132B5 | TM 132 M2 | 67 |
| | 638.2 | 135.0 | 4.4 | 2.9 | 4010 | TH40 2 132B5 | TM 132 M2 | 67 |
| 11 | 14.9 | 6816.1 | 60.2 | 0.6 | 31000 | TH80 3 160B5 | TM 160 L6 | 73 |
| | 17.6 | 5791.5 | 51.2 | 0.7 | 31000 | TH80 3 160B5 | TM 160 L6 | 73 |
| | 18.0 | 5651.1 | 77.7 | 0.7 | 31000 | TH80 3 160B5 | TM 160 M4 | 73 |
| | 21.0 | 4861.8 | 66.8 | 0.9 | 31000 | TH80 3 160B5 | TM 160 M4 | 73 |
| | 23.3 | 4381.8 | 60.2 | 1.0 | 31000 | TH80 3 160B5 | TM 160 M4 | 73 |
| | 27.4 | 3723.1 | 51.2 | 1.1 | 31000 | TH80 3 160B5 | TM 160 M4 | 73 |
| | 31.8 | 3203.1 | 44.0 | 1.3 | 31000 | TH80 3 160B5 | TM 160 M4 | 73 |
| | 35.4 | 2874.4 | 39.5 | 0.8 | 22800 | TH60 3 160B5 | TM 160 M4 | 71 |
| | 38.3 | 2662.6 | 36.6 | 0.9 | 22150 | TH60 3 160B5 | TM 160 M4 | 71 |
| | 39.2 | 2600.3 | 35.7 | 1.6 | 31000 | TH80 3 160B5 | TM 160 M4 | 73 |
| | 42.4 | 2402.0 | 33.0 | 1.7 | 30000 | TH80 2 160B5 | TM 160 M4 | 73 |
| | 43.7 | 2333.6 | 32.1 | 0.8 | 21000 | TH60 2 160B5 | TM 160 M4 | 71 |
| | 47.4 | 2150.3 | 29.6 | 1.9 | 29000 | TH80 2 160B5 | TM 160 M4 | 73 |
| | 48.8 | 2089.8 | 28.7 | 0.9 | 19200 | TH60 2 160B5 | TM 160 M4 | 71 |
| | 52.5 | 1940.8 | 26.7 | 2.1 | 28200 | TH80 2 160B5 | TM 160 M4 | 73 |
| | 54.0 | 1886.6 | 25.9 | 1.1 | 18500 | TH60 2 160B5 | TM 160 M4 | 71 |
| | 57.8 | 1763.5 | 24.2 | 2.2 | 27500 | TH80 2 160B5 | TM 160 M4 | 73 |
| | 59.4 | 1714.7 | 23.6 | 1.2 | 17900 | TH60 2 160B5 | TM 160 M4 | 71 |
| | 63.2 | 1611.5 | 22.1 | 2.4 | 25500 | TH80 2 160B5 | TM 160 M4 | 73 |
| | 64.0 | 1591.7 | 21.9 | 0.8 | 11500 | TH50 2 160B5 | TM 160 M4 | 69 |
| | 65.0 | 1567.4 | 21.5 | 1.3 | 17200 | TH60 2 160B5 | TM 160 M4 | 71 |
| | 68.9 | 1479.8 | 20.3 | 2.7 | 24100 | TH80 2 160B5 | TM 160 M4 | 73 |
| | 70.8 | 1439.6 | 19.8 | 1.4 | 15600 | TH60 2 160B5 | TM 160 M4 | 71 |
| | 74.0 | 1376.9 | 18.9 | 0.9 | 11000 | TH50 2 160B5 | TM 160 M4 | 69 |
| | 77.8 | 1310.0 | 18.0 | 2.9 | 23600 | TH80 2 160B5 | TM 160 M4 | 73 |
| | 81.3 | 1253.9 | 17.2 | 1.6 | 13800 | TH60 2 160B5 | TM 160 M4 | 71 |
| | 91.5 | 1113.1 | 15.3 | 3.4 | 22800 | TH80 2 160B5 | TM 160 M4 | 73 |
| | 93.5 | 1089.3 | 15.0 | 1.2 | 9430 | TH50 2 160B5 | TM 160 M4 | 69 |
| | 95.6 | 1065.4 | 14.6 | 1.9 | 12100 | TH60 2 160B5 | TM 160 M4 | 71 |
| | 106.4 | 957.6 | 13.2 | 3.6 | 22100 | TH80 2 160B5 | TM 160 M4 | 73 |
| | 108.4 | 940.2 | 12.9 | 1.5 | 8530 | TH50 2 160B5 | TM 160 M4 | 69 |
| | 117.4 | 867.9 | 11.9 | 2.4 | 9350 | TH60 2 160B5 | TM 160 M4 | 71 |
| 137.3 | 742.0 | 10.2 | 1.7 | 7710 | TH50 2 160B5 | TM 160 M4 | 69 | |
| 138.2 | 737.4 | 10.1 | 2.8 | 8750 | TH60 2 160B5 | TM 160 M4 | 71 | |
| 160.6 | 634.4 | 8.7 | 3.2 | 7680 | TH60 2 160B5 | TM 160 M4 | 71 | |
| 161.4 | 631.5 | 8.7 | 2.0 | 7540 | TH50 2 160B5 | TM 160 M4 | 69 | |

| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr ₂ [N] |  |  |  |
|-------------|-------------|-------------|------|------|------------------------|--|---|---|
| 11 | 174.2 | 584.9 | 8.0 | 2.1 | 7060 | TH50 2 160B5 | TM 160 M4 | 69 |
| | 197.8 | 515.0 | 7.1 | 3.6 | 7400 | TH60 2 160B5 | TM 160 M4 | 71 |
| | 201.7 | 505.2 | 6.9 | 2.2 | 6850 | TH50 2 160B5 | TM 160 M4 | 69 |
| | 248.2 | 410.5 | 5.6 | 2.3 | 6550 | TH50 2 160B5 | TM 160 M4 | 69 |
| | 322.7 | 315.7 | 4.3 | 2.4 | 6100 | TH50 2 160B5 | TM 160 M4 | 69 |
| | 348.4 | 292.5 | 8.0 | 3.3 | 6000 | TH50 2 160B5 | TM 160 MR2 | 69 |
| | 403.4 | 252.6 | 6.9 | 3.5 | 5620 | TH50 2 160B5 | TM 160 MR2 | 69 |
| | 496.5 | 205.2 | 5.6 | 3.7 | 5420 | TH50 2 160B5 | TM 160 MR2 | 69 |
| | 645.4 | 157.9 | 4.3 | 4.1 | 5250 | TH50 2 160B5 | TM 160 MR2 | 69 |
| 15 | 20.4 | 6794.4 | 44.0 | 0.6 | 31000 | TH80 3 180B5 | TM 180 L6 | 73 |
| | 23.3 | 5975.1 | 60.2 | 0.7 | 31000 | TH80 3 160B5 | TM 160 L4 | 73 |
| | 27.4 | 5076.9 | 51.2 | 0.8 | 31000 | TH80 3 160B5 | TM 160 L4 | 73 |
| | 31.8 | 4367.8 | 44.0 | 1.0 | 31000 | TH80 3 160B5 | TM 160 L4 | 73 |
| | 39.2 | 3545.9 | 35.7 | 1.2 | 31000 | TH80 3 160B5 | TM 160 L4 | 73 |
| | 42.4 | 3275.4 | 33.0 | 1.3 | 30000 | TH80 2 160B5 | TM 160 L4 | 73 |
| | 47.4 | 2932.2 | 29.6 | 1.4 | 29000 | TH80 2 160B5 | TM 160 L4 | 73 |
| | 52.5 | 2646.5 | 26.7 | 1.5 | 28200 | TH80 2 160B5 | TM 160 L4 | 73 |
| | 54.0 | 2572.7 | 25.9 | 0.8 | 18500 | TH60 2 160B5 | TM 160 L4 | 71 |
| | 57.8 | 2404.8 | 24.2 | 1.6 | 27500 | TH80 2 160B5 | TM 160 L4 | 73 |
| | 59.4 | 2338.2 | 23.6 | 0.9 | 17900 | TH60 2 160B5 | TM 160 L4 | 71 |
| | 63.2 | 2197.6 | 22.1 | 1.8 | 25500 | TH80 2 160B5 | TM 160 L4 | 73 |
| | 65.0 | 2137.3 | 21.5 | 1.0 | 17200 | TH60 2 160B5 | TM 160 L4 | 71 |
| | 68.9 | 2018.0 | 20.3 | 2.0 | 24100 | TH80 2 160B5 | TM 160 L4 | 73 |
| | 70.8 | 1963.2 | 19.8 | 1.0 | 15600 | TH60 2 160B5 | TM 160 L4 | 71 |
| | 77.8 | 1786.4 | 18.0 | 2.2 | 23600 | TH80 2 160B5 | TM 160 L4 | 73 |
| | 81.3 | 1709.8 | 17.2 | 1.2 | 13800 | TH60 2 160B5 | TM 160 L4 | 71 |
| | 91.5 | 1517.9 | 15.3 | 2.5 | 22800 | TH80 2 160B5 | TM 160 L4 | 73 |
| | 93.5 | 1485.4 | 15.0 | 0.9 | 9430 | TH50 2 160B5 | TM 160 L4 | 69 |
| | 95.6 | 1452.8 | 14.6 | 1.4 | 12100 | TH60 2 160B5 | TM 160 L4 | 71 |
| | 106.4 | 1305.8 | 13.2 | 2.7 | 22100 | TH80 2 160B5 | TM 160 L4 | 73 |
| | 108.4 | 1282.1 | 12.9 | 1.1 | 8530 | TH50 2 160B5 | TM 160 L4 | 69 |
| | 117.4 | 1183.5 | 11.9 | 1.8 | 9350 | TH60 2 160B5 | TM 160 L4 | 71 |
| | 118.1 | 1176.9 | 11.9 | 3.2 | 20400 | TH80 2 160B5 | TM 160 L4 | 73 |
| | 137.3 | 1011.8 | 10.2 | 1.3 | 7710 | TH50 2 160B5 | TM 160 L4 | 69 |
| | 138.2 | 1005.6 | 10.1 | 2.1 | 8750 | TH60 2 160B5 | TM 160 L4 | 71 |
| | 138.9 | 1000.0 | 10.1 | 3.5 | 19200 | TH80 2 160B5 | TM 160 L4 | 73 |
| | 160.6 | 865.1 | 8.7 | 2.3 | 7680 | TH60 2 160B5 | TM 160 L4 | 71 |
| | 161.4 | 861.1 | 8.7 | 1.4 | 7540 | TH50 2 160B5 | TM 160 L4 | 69 |
| | 161.5 | 860.3 | 8.7 | 4.2 | 17600 | TH80 2 160B5 | TM 160 L4 | 73 |
| 174.2 | 797.6 | 8.0 | 1.5 | 7060 | TH50 2 160B5 | TM 160 L4 | 69 | |

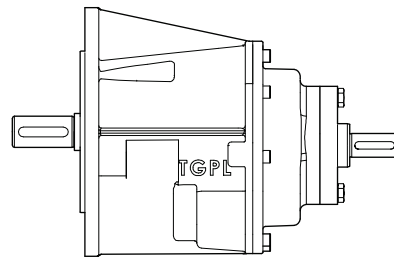
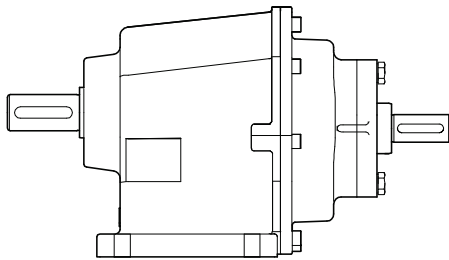
| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr2 [N] |  |  |  |
|-------------|-------------|-------------|------|-----|------------|--|---|---|
| 15 | 197.8 | 702.3 | 7.1 | 2.6 | 7400 | TH60 2 160B5 | TM 160 L4 | 71 |
| | 201.7 | 688.9 | 6.9 | 1.6 | 6850 | TH50 2 160B5 | TM 160 L4 | 69 |
| | 240.1 | 578.6 | 5.8 | 2.9 | 7350 | TH60 2 160B5 | TM 160 L4 | 71 |
| | 248.2 | 559.7 | 5.6 | 1.7 | 6550 | TH50 2 160B5 | TM 160 L4 | 69 |
| | 306.4 | 453.4 | 4.6 | 3.4 | 7100 | TH60 2 160B5 | TM 160 L4 | 71 |
| | 322.7 | 430.5 | 4.3 | 1.7 | 6100 | TH50 2 160B5 | TM 160 L4 | 69 |
| | 348.4 | 398.8 | 8.0 | 2.4 | 6000 | TH50 2 160B5 | TM 160 MB2 | 69 |
| | 403.4 | 344.4 | 6.9 | 2.6 | 5620 | TH50 2 160B5 | TM 160 MB2 | 69 |
| | 496.5 | 279.9 | 5.6 | 2.7 | 5420 | TH50 2 160B5 | TM 160 MB2 | 69 |
| | 645.4 | 215.3 | 4.3 | 3.0 | 5250 | TH50 2 160B5 | TM 160 MB2 | 69 |
| 18.5 | 27.4 | 6261.5 | 51.2 | 0.7 | 31000 | TH80 3 180B5 | TM 180 M4 | 73 |
| | 31.8 | 5387.0 | 44.0 | 0.8 | 31000 | TH80 3 180B5 | TM 180 M4 | 73 |
| | 39.2 | 4373.2 | 35.7 | 1.0 | 31000 | TH80 3 180B5 | TM 180 M4 | 73 |
| | 42.4 | 4039.7 | 33.0 | 1.0 | 30000 | TH80 2 180B5 | TM 180 M4 | 73 |
| | 47.4 | 3616.4 | 29.6 | 1.1 | 29000 | TH80 2 180B5 | TM 180 M4 | 73 |
| | 52.5 | 3264.0 | 26.7 | 1.2 | 28200 | TH80 2 180B5 | TM 180 M4 | 73 |
| | 57.8 | 2965.9 | 24.2 | 1.3 | 27500 | TH80 2 180B5 | TM 180 M4 | 73 |
| | 63.2 | 2710.3 | 22.1 | 1.4 | 25500 | TH80 2 180B5 | TM 180 M4 | 73 |
| | 65.0 | 2636.0 | 21.5 | 0.8 | 17200 | TH60 2 180B5 | TM 180 M4 | 71 |
| | 68.9 | 2488.8 | 20.3 | 1.6 | 24100 | TH80 2 180B5 | TM 180 M4 | 73 |
| | 70.8 | 2421.2 | 19.8 | 0.8 | 15600 | TH60 2 180B5 | TM 180 M4 | 71 |
| | 77.8 | 2203.2 | 18.0 | 1.7 | 23600 | TH80 2 180B5 | TM 180 M4 | 73 |
| | 81.3 | 2108.8 | 17.2 | 1.0 | 13800 | TH60 2 180B5 | TM 180 M4 | 71 |
| | 91.5 | 1872.0 | 15.3 | 2.0 | 22800 | TH80 2 180B5 | TM 180 M4 | 73 |
| | 95.6 | 1791.8 | 14.6 | 1.1 | 12100 | TH60 2 180B5 | TM 180 M4 | 71 |
| | 106.4 | 1610.5 | 13.2 | 2.2 | 22100 | TH80 2 180B5 | TM 180 M4 | 73 |
| | 117.4 | 1459.6 | 11.9 | 1.5 | 9350 | TH60 2 180B5 | TM 180 M4 | 71 |
| | 118.1 | 1451.5 | 11.9 | 2.6 | 20400 | TH80 2 180B5 | TM 180 M4 | 73 |
| | 138.2 | 1240.2 | 10.1 | 1.7 | 8750 | TH60 2 180B5 | TM 180 M4 | 71 |
| | 138.9 | 1233.3 | 10.1 | 2.8 | 19200 | TH80 2 180B5 | TM 180 M4 | 73 |
| | 160.6 | 1067.0 | 8.7 | 1.9 | 7680 | TH60 2 180B5 | TM 180 M4 | 71 |
| | 161.5 | 1061.1 | 8.7 | 3.4 | 17600 | TH80 2 180B5 | TM 180 M4 | 73 |
| | 197.8 | 866.2 | 7.1 | 2.1 | 7400 | TH60 2 180B5 | TM 180 M4 | 71 |
| | 198.9 | 861.4 | 7.0 | 4.1 | 16800 | TH80 2 180B5 | TM 180 M4 | 73 |
| | 240.1 | 713.6 | 5.8 | 2.3 | 7350 | TH60 2 180B5 | TM 180 M4 | 71 |
| | 241.5 | 709.6 | 5.8 | 4.4 | 16300 | TH80 2 180B5 | TM 180 M4 | 73 |
| | 274.6 | 623.9 | 10.2 | 1.8 | 6580 | TH50 2 160B5 | TM 160 L2 | 69 |
| | 276.3 | 620.1 | 10.1 | 3.2 | 7150 | TH60 2 160B5 | TM 160 L2 | 71 |
| | 306.4 | 559.2 | 4.6 | 2.8 | 7100 | TH60 2 180B5 | TM 180 M4 | 71 |
| | 308.1 | 556.1 | 4.5 | 4.9 | 14200 | TH80 2 180B5 | TM 180 M4 | 73 |

| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr ₂ [N] |  |  |  |
|-------------|-------------|-------------|------|-----|------------------------|--|---|---|
| 18.5 | 321.2 | 533.5 | 8.7 | 3.3 | 6850 | TH60 2 160B5 | TM 160 L2 | 71 |
| | 322.7 | 531.0 | 8.7 | 1.9 | 6120 | TH50 2 160B5 | TM 160 L2 | 69 |
| | 348.4 | 491.9 | 8.0 | 2.0 | 6000 | TH50 2 160B5 | TM 160 L2 | 69 |
| | 395.7 | 433.1 | 7.1 | 3.6 | 6750 | TH60 2 160B5 | TM 160 L2 | 71 |
| | 403.4 | 424.8 | 6.9 | 2.1 | 5620 | TH50 2 160B5 | TM 160 L2 | 69 |
| | 480.3 | 356.8 | 5.8 | 3.9 | 5600 | TH60 2 160B5 | TM 160 L2 | 71 |
| | 496.5 | 345.2 | 5.6 | 2.2 | 5420 | TH50 2 160B5 | TM 160 L2 | 69 |
| | 612.8 | 279.6 | 4.6 | 4.2 | 5590 | TH60 2 160B5 | TM 160 L2 | 71 |
| | 645.4 | 265.5 | 4.3 | 2.4 | 5250 | TH50 2 160B5 | TM 160 L2 | 69 |
| 22 | 31.8 | 6406.1 | 44.0 | 0.7 | 31000 | TH80 3 180B5 | TM 180 L4 | 73 |
| | 39.2 | 5200.6 | 35.7 | 0.8 | 31000 | TH80 3 180B5 | TM 180 L4 | 73 |
| | 42.4 | 4803.9 | 33.0 | 0.9 | 30000 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 47.4 | 4300.6 | 29.6 | 1.0 | 29000 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 52.5 | 3881.6 | 26.7 | 1.0 | 28200 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 57.8 | 3527.0 | 24.2 | 1.1 | 27500 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 63.2 | 3223.1 | 22.1 | 1.2 | 25500 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 68.9 | 2959.7 | 20.3 | 1.3 | 24100 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 77.8 | 2620.1 | 18.0 | 1.5 | 23600 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 81.3 | 2507.8 | 17.2 | 0.8 | 13800 | TH60 2 180B5 | TM 180 L4 | 71 |
| | 91.5 | 2226.2 | 15.3 | 1.7 | 22800 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 95.6 | 2130.8 | 14.6 | 0.9 | 12100 | TH60 2 180B5 | TM 180 L4 | 71 |
| | 106.4 | 1915.2 | 13.2 | 1.8 | 22100 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 117.4 | 1735.8 | 11.9 | 1.2 | 9350 | TH60 2 180B5 | TM 180 L4 | 71 |
| | 118.1 | 1726.2 | 11.9 | 2.2 | 20400 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 138.2 | 1474.9 | 10.1 | 1.4 | 8750 | TH60 2 180B5 | TM 180 L4 | 71 |
| | 138.9 | 1466.7 | 10.1 | 2.4 | 19200 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 160.6 | 1268.8 | 8.7 | 1.6 | 7680 | TH60 2 180B5 | TM 180 L4 | 71 |
| | 161.5 | 1261.8 | 8.7 | 2.9 | 17600 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 197.8 | 1030.1 | 7.1 | 1.8 | 7400 | TH60 2 180B5 | TM 180 L4 | 71 |
| | 198.9 | 1024.4 | 7.0 | 3.5 | 16800 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 240.1 | 848.6 | 5.8 | 2.0 | 7350 | TH60 2 180B5 | TM 180 L4 | 71 |
| | 241.5 | 843.9 | 5.8 | 3.7 | 16300 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 276.3 | 737.4 | 10.1 | 2.7 | 7150 | TH60 2 180B5 | TM 180 M2 | 71 |
| | 306.4 | 665.1 | 4.6 | 2.3 | 7100 | TH60 2 180B5 | TM 180 L4 | 71 |
| | 308.1 | 661.4 | 4.5 | 4.1 | 14200 | TH80 2 180B5 | TM 180 L4 | 73 |
| | 321.2 | 634.4 | 8.7 | 2.8 | 6850 | TH60 2 180B5 | TM 180 M2 | 71 |
| | 395.7 | 515.0 | 7.1 | 3.1 | 6750 | TH60 2 180B5 | TM 180 M2 | 71 |
| | 480.3 | 424.3 | 5.8 | 3.3 | 5600 | TH60 2 180B5 | TM 180 M2 | 71 |
| | 612.8 | 332.5 | 4.6 | 3.5 | 5590 | TH60 2 180B5 | TM 180 M2 | 71 |

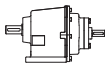
| P1n [kW] | n2 [RPM] | M2n [Nm] | i | fs | Fr2 [N] |  |  |  |
|-------------|-------------|-------------|------|-------|--------------|--|---|---|
| 30 | 52.5 | 5293.0 | 26.7 | 0.8 | 28200 | TH80 2 200B5 | TM 200 L4 | 73 |
| | 57.8 | 4809.5 | 24.2 | 0.8 | 27500 | TH80 2 200B5 | TM 200 L4 | 73 |
| | 63.2 | 4395.1 | 22.1 | 0.9 | 25500 | TH80 2 200B5 | TM 200 L4 | 73 |
| | 68.9 | 4035.9 | 20.3 | 1.0 | 24100 | TH80 2 200B5 | TM 200 L4 | 73 |
| | 77.8 | 3572.8 | 18.0 | 1.1 | 23600 | TH80 2 200B5 | TM 200 L4 | 73 |
| | 91.5 | 3035.7 | 15.3 | 1.2 | 22800 | TH80 2 200B5 | TM 200 L4 | 73 |
| | 106.4 | 2611.7 | 13.2 | 1.3 | 22100 | TH80 2 200B5 | TM 200 L4 | 73 |
| | 118.1 | 2353.8 | 11.9 | 1.6 | 20400 | TH80 2 200B5 | TM 200 L4 | 73 |
| | 138.9 | 2000.0 | 10.1 | 1.7 | 19200 | TH80 2 200B5 | TM 200 L4 | 73 |
| | 161.5 | 1720.6 | 8.7 | 2.1 | 17600 | TH80 2 200B5 | TM 200 L4 | 73 |
| | 198.9 | 1396.9 | 7.0 | 2.5 | 16800 | TH80 2 200B5 | TM 200 L4 | 73 |
| | 241.5 | 1150.8 | 5.8 | 2.7 | 16300 | TH80 2 200B5 | TM 200 L4 | 73 |
| | 308.1 | 901.9 | 4.5 | 3.0 | 14200 | TH80 2 200B5 | TM 200 L4 | 73 |
| | 323.0 | 860.3 | 8.7 | 3.5 | 13500 | TH60 2 200B5 | TM 200 L2 | 71 |
| | 397.9 | 698.4 | 7.0 | 3.7 | 13200 | TH60 2 200B5 | TM 200 L2 | 71 |
| | 483.0 | 575.4 | 5.8 | 4.1 | 12600 | TH60 2 200B5 | TM 200 L2 | 71 |
| 616.0 | 450.9 | 4.5 | 4.6 | 12400 | TH60 2 200B5 | TM 200 L2 | 71 | |
| 37 | 68.9 | 4977.7 | 20.3 | 0.8 | 24100 | TH80 2 225B5 | TM 225 S4 | 73 |
| | 77.8 | 4406.5 | 18.0 | 0.9 | 23600 | TH80 2 225B5 | TM 225 S4 | 73 |
| | 91.5 | 3744.0 | 15.3 | 1.0 | 22800 | TH80 2 225B5 | TM 225 S4 | 73 |
| | 106.4 | 3221.1 | 13.2 | 1.1 | 22100 | TH80 2 225B5 | TM 225 S4 | 73 |
| | 118.1 | 2903.1 | 11.9 | 1.3 | 20400 | TH80 2 225B5 | TM 225 S4 | 73 |
| | 138.9 | 2466.7 | 10.1 | 1.4 | 19200 | TH80 2 225B5 | TM 225 S4 | 73 |
| | 161.5 | 2122.1 | 8.7 | 1.7 | 17600 | TH80 2 225B5 | TM 225 S4 | 73 |
| | 198.9 | 1722.8 | 7.0 | 2.1 | 16800 | TH80 2 225B5 | TM 225 S4 | 73 |
| | 241.5 | 1419.3 | 5.8 | 2.2 | 16300 | TH80 2 225B5 | TM 225 S4 | 73 |
| | 308.1 | 1112.3 | 4.5 | 2.4 | 14200 | TH80 2 225B5 | TM 225 S4 | 73 |
| | 323.0 | 1061.1 | 8.7 | 2.8 | 13500 | TH60 2 200B5 | TM 200 L2 | 71 |
| | 397.9 | 861.4 | 7.0 | 3.0 | 13200 | TH60 2 200B5 | TM 200 L2 | 71 |
| | 483.0 | 709.6 | 5.8 | 3.3 | 12600 | TH60 2 200B5 | TM 200 L2 | 71 |
| | 616.3 | 556.1 | 4.5 | 3.7 | 12400 | TH60 2 200B5 | TM 200 L2 | 71 |

TH - [ISS]

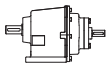

Performance Parameter



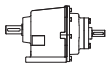

13.2 TH..ISS.. Performance Parameter

| TH 20 | | | | | | | | | | | | 120 Nm |
|---|-------|-----------------------------|-----------------------|-----------------------|----------------------|----------------------|-----------------------------|-----------------------|-----------------------|----------------------|----------------------|--------|
|  | i | n ₁ =2800[r/min] | | | | | n ₁ =1400[r/min] | | | | | ↔ |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH20 2 | 3.6 | 778 | 35 | 2.98 | 700 | 1100 | 389 | 41 | 1.73 | 910 | 1400 | 60 |
| TH20 2 | 4.6 | 613 | 35 | 2.30 | 720 | 1150 | 306 | 49 | 1.63 | 940 | 1400 | 60 |
| TH20 2 | 5.5 | 509 | 38 | 2.11 | 750 | 1150 | 254 | 56 | 1.54 | 980 | 1400 | 60 |
| TH20 2 | 7.7 | 365 | 46 | 1.82 | 780 | 1200 | 182 | 71 | 1.39 | 1010 | 1450 | 60 |
| TH20 2 | 8.9 | 315 | 49 | 1.68 | 810 | 1200 | 158 | 76 | 1.30 | 1260 | 1450 | 60 |
| TH20 2 | 11.3 | 248 | 57 | 1.54 | 830 | 1250 | 124 | 92 | 1.23 | 1300 | 1480 | 60 |
| TH20 2 | 12.3 | 227 | 59 | 1.44 | 870 | 1280 | 113 | 88 | 1.08 | 1300 | 1550 | 60 |
| TH20 2 | 14.4 | 194 | 64 | 1.34 | 940 | 1320 | 97 | 96 | 1.01 | 1300 | 1600 | 60 |
| TH20 2 | 16.7 | 168 | 66 | 1.20 | 1010 | 1340 | 84 | 104 | 0.94 | 1300 | 1650 | 60 |
| TH20 2 | 21.2 | 132 | 74 | 1.06 | 1060 | 1380 | 66 | 110 | 0.79 | 1300 | 1750 | 60 |
| TH20 2 | 23.1 | 121 | 73 | 0.96 | 1090 | 1400 | 60 | 110 | 0.72 | 1300 | 1810 | 60 |
| TH20 2 | 25.4 | 110 | 77 | 0.91 | 1120 | 1430 | 55 | 111 | 0.66 | 1300 | 1900 | 60 |
| TH20 2 | 28.0 | 100 | 80 | 0.86 | 1160 | 1480 | 50 | 112 | 0.60 | 1300 | 2050 | 60 |
| TH20 2 | 31.1 | 90 | 84 | 0.82 | 1170 | 1550 | 45 | 113 | 0.55 | 1300 | 2100 | 60 |
| TH20 2 | 34.8 | 80 | 88 | 0.77 | 1190 | 1760 | 40 | 113 | 0.49 | 1300 | 2100 | 60 |
| TH20 2 | 39.3 | 71 | 94 | 0.72 | 1190 | 1790 | 36 | 115 | 0.44 | 1300 | 2100 | 60 |
| TH20 3 | 46.8 | 60 | 102 | 0.66 | 1200 | 2150 | 30 | 120 | 0.39 | 1300 | 2300 | 60 |
| TH20 3 | 51.1 | 55 | 107 | 0.63 | 1200 | 2250 | 27 | 120 | 0.36 | 1300 | 2300 | 60 |
| TH20 3 | 56.1 | 50 | 113 | 0.61 | 1200 | 2300 | 25 | 120 | 0.32 | 1300 | 2300 | 60 |
| TH20 3 | 61.9 | 45 | 119 | 0.58 | 1200 | 2300 | 23 | 120 | 0.29 | 1300 | 2300 | 60 |
| TH20 3 | 68.7 | 41 | 120 | 0.53 | 1200 | 2300 | 20 | 120 | 0.27 | 1300 | 2300 | 60 |
| TH20 3 | 76.9 | 36 | 120 | 0.47 | 1200 | 2300 | 18 | 120 | 0.24 | 1300 | 2300 | 60 |
| TH20 3 | 87.8 | 32 | 112 | 0.39 | 1200 | 2300 | 16 | 120 | 0.21 | 1300 | 2300 | 60 |
| TH20 3 | 95.9 | 29 | 113 | 0.36 | 1200 | 2300 | 15 | 113 | 0.18 | 1300 | 2300 | 60 |
| TH20 3 | 105.2 | 27 | 114 | 0.33 | 1200 | 2300 | 13 | 118 | 0.17 | 1300 | 2300 | 60 |
| TH20 3 | 116.0 | 24 | 115 | 0.30 | 1200 | 2300 | 12 | 115 | 0.15 | 1300 | 2300 | 60 |
| TH20 3 | 128.8 | 22 | 116 | 0.27 | 1200 | 2300 | 11 | 112 | 0.13 | 1300 | 2300 | 60 |
| TH20 3 | 144.2 | 19 | 117 | 0.24 | 1200 | 2300 | 10 | 117 | 0.12 | 1300 | 2300 | 60 |
| TH20 3 | 163.0 | 17 | 117 | 0.22 | 1200 | 2300 | 9 | 120 | 0.11 | 1300 | 2300 | 60 |

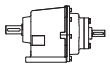

TH..ISS.. Performance Parameter

| TH 20 | | 120 Nm | | | | | | | | | | |
|---|-------|----------------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------------|-----------------------|-----------------------|----------------------|----------------------|---|
|  | i | n ₁ =900[r/min] | | | | | n ₁ =500[r/min] | | | | |  |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH20 2 | 3.6 | 250 | 50 | 1.34 | 980 | 1650 | 139 | 77 | 1.15 | 1300 | 1750 | 60 |
| TH20 2 | 4.6 | 197 | 59 | 1.25 | 1010 | 1850 | 109 | 81 | 0.96 | 1300 | 1780 | 60 |
| TH20 2 | 5.5 | 164 | 60 | 1.06 | 1040 | 1850 | 91 | 88 | 0.86 | 1300 | 1780 | 60 |
| TH20 2 | 7.7 | 117 | 72 | 0.91 | 1250 | 1900 | 65 | 116 | 0.82 | 1300 | 1950 | 60 |
| TH20 2 | 8.9 | 101 | 75 | 0.82 | 1300 | 1920 | 56 | 120 | 0.73 | 1300 | 1980 | 60 |
| TH20 2 | 11.3 | 80 | 84 | 0.72 | 1300 | 1980 | 44 | 109 | 0.52 | 1300 | 2040 | 60 |
| TH20 2 | 12.3 | 73 | 85 | 0.67 | 1300 | 2050 | 41 | 119 | 0.52 | 1300 | 2080 | 60 |
| TH20 2 | 14.4 | 63 | 92 | 0.62 | 1300 | 2050 | 35 | 115 | 0.43 | 1300 | 2150 | 60 |
| TH20 2 | 16.7 | 54 | 99 | 0.58 | 1300 | 2300 | 30 | 116 | 0.37 | 1300 | 2300 | 60 |
| TH20 2 | 21.2 | 42 | 113 | 0.52 | 1300 | 2300 | 24 | 117 | 0.30 | 1300 | 2300 | 60 |
| TH20 2 | 23.1 | 39 | 114 | 0.48 | 1300 | 2300 | 22 | 119 | 0.28 | 1300 | 2300 | 60 |
| TH20 2 | 25.4 | 35 | 115 | 0.44 | 1300 | 2300 | 20 | 117 | 0.25 | 1300 | 2300 | 60 |
| TH20 2 | 28.0 | 32 | 116 | 0.40 | 1300 | 2300 | 18 | 120 | 0.23 | 1300 | 2300 | 60 |
| TH20 2 | 31.1 | 29 | 117 | 0.36 | 1300 | 2300 | 16 | 120 | 0.21 | 1300 | 2300 | 60 |
| TH20 2 | 34.8 | 26 | 117 | 0.33 | 1300 | 2300 | 14 | 120 | 0.19 | 1300 | 2300 | 60 |
| TH20 2 | 39.3 | 23 | 117 | 0.29 | 1300 | 2300 | 13 | 119 | 0.16 | 1300 | 2300 | 60 |
| TH20 3 | 46.8 | 19 | 120 | 0.25 | 1300 | 2300 | 11 | 120 | 0.14 | 1300 | 2300 | 60 |
| TH20 3 | 51.1 | 18 | 120 | 0.23 | 1300 | 2300 | 10 | 120 | 0.13 | 1300 | 2300 | 60 |
| TH20 3 | 56.1 | 16 | 120 | 0.21 | 1300 | 2300 | 9 | 120 | 0.12 | 1300 | 2300 | 60 |
| TH20 3 | 61.9 | 15 | 120 | 0.19 | 1300 | 2300 | 8 | 120 | 0.11 | 1300 | 2300 | 60 |
| TH20 3 | 68.7 | 13 | 120 | 0.17 | 1300 | 2300 | 7 | 120 | 0.09 | 1300 | 2300 | 60 |
| TH20 3 | 76.9 | 12 | 120 | 0.15 | 1300 | 2300 | 7 | 120 | 0.08 | 1300 | 2300 | 60 |
| TH20 3 | 87.8 | 10 | 120 | 0.13 | 1300 | 2300 | 6 | 120 | 0.07 | 1300 | 2300 | 60 |
| TH20 3 | 95.9 | 9 | 120 | 0.12 | 1300 | 2300 | 5 | 120 | 0.07 | 1300 | 2300 | 60 |
| TH20 3 | 105.2 | 9 | 120 | 0.11 | 1300 | 2300 | 5 | 120 | 0.06 | 1300 | 2300 | 60 |
| TH20 3 | 116.0 | 8 | 120 | 0.10 | 1300 | 2300 | 4 | 120 | 0.06 | 1300 | 2300 | 60 |
| TH20 3 | 128.8 | 7 | 120 | 0.09 | 1300 | 2300 | 4 | 120 | 0.05 | 1300 | 2300 | 60 |
| TH20 3 | 144.2 | 6 | 120 | 0.08 | 1300 | 2300 | 3 | 120 | 0.05 | 1300 | 2300 | 60 |
| TH20 3 | 163.0 | 6 | 120 | 0.07 | 1300 | 2300 | 3 | 120 | 0.04 | 1300 | 2300 | 60 |

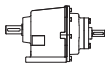
TH..ISS.. Performance Parameter

| TH 25 | | 200 Nm | | | | | | | | | | |
|---|-------|-----------------------------|-----------------------|-----------------------|----------------------|----------------------|-----------------------------|-----------------------|-----------------------|----------------------|----------------------|---|
|  | i | n ₁ =2800[r/min] | | | | | n ₁ =1400[r/min] | | | | |  |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH25 2 | 3.8 | 731 | 62 | 4.90 | 850 | 1250 | 366 | 86 | 3.40 | 850 | 1650 | 62 |
| TH25 2 | 5.0 | 562 | 72 | 4.40 | 850 | 1360 | 281 | 104 | 3.17 | 850 | 1710 | 62 |
| TH25 2 | 6.6 | 425 | 92 | 4.20 | 900 | 1520 | 212 | 138 | 3.16 | 900 | 1890 | 62 |
| TH25 2 | 7.9 | 354 | 99 | 3.80 | 950 | 1550 | 177 | 151 | 2.89 | 950 | 1980 | 62 |
| TH25 2 | 9.0 | 311 | 107 | 3.60 | 1100 | 1620 | 156 | 148 | 2.49 | 1100 | 2100 | 62 |
| TH25 2 | 10.3 | 271 | 113 | 3.30 | 1150 | 1720 | 135 | 150 | 2.20 | 1150 | 2230 | 62 |
| TH25 2 | 12.0 | 233 | 119 | 3.00 | 1150 | 1860 | 117 | 163 | 2.05 | 1150 | 2350 | 62 |
| TH25 2 | 14.9 | 188 | 133 | 2.70 | 1200 | 1920 | 94 | 180 | 1.82 | 1200 | 2450 | 62 |
| TH25 2 | 17.0 | 165 | 135 | 2.40 | 1200 | 2010 | 83 | 187 | 1.67 | 1200 | 2560 | 62 |
| TH25 2 | 19.5 | 144 | 135 | 2.10 | 1250 | 2120 | 72 | 197 | 1.53 | 1250 | 2760 | 62 |
| TH25 2 | 22.6 | 124 | 142 | 1.90 | 1250 | 2220 | 62 | 198 | 1.32 | 1250 | 2810 | 62 |
| TH25 2 | 26.7 | 105 | 150 | 1.70 | 1250 | 2370 | 52 | 200 | 1.13 | 1250 | 3090 | 62 |
| TH25 2 | 32.1 | 87 | 165 | 1.55 | 1250 | 2560 | 44 | 200 | 0.94 | 1250 | 3250 | 62 |
| TH25 2 | 35.5 | 79 | 165 | 1.40 | 1250 | 2650 | 39 | 198 | 0.84 | 1250 | 3550 | 62 |
| TH25 2 | 39.7 | 71 | 161 | 1.23 | 1250 | 2850 | 35 | 200 | 0.76 | 1250 | 3720 | 62 |
| TH25 2 | 44.7 | 63 | 157 | 1.06 | 1250 | 2900 | 31 | 200 | 0.68 | 1250 | 3940 | 62 |
| TH25 3 | 49.5 | 57 | 159 | 0.97 | 1300 | 3220 | 28 | 200 | 0.61 | 1300 | 4320 | 62 |
| TH25 3 | 58.3 | 48 | 160 | 0.83 | 1300 | 3350 | 24 | 200 | 0.52 | 1300 | 4400 | 62 |
| TH25 3 | 61.3 | 46 | 150 | 0.74 | 1300 | 3450 | 23 | 200 | 0.49 | 1300 | 4760 | 62 |
| TH25 3 | 69.8 | 40 | 152 | 0.66 | 1300 | 3650 | 20 | 200 | 0.43 | 1300 | 4920 | 62 |
| TH25 3 | 80.2 | 35 | 154 | 0.58 | 1300 | 3760 | 17 | 200 | 0.38 | 1300 | 5000 | 62 |
| TH25 3 | 93.2 | 30 | 151 | 0.49 | 1300 | 3870 | 15 | 200 | 0.32 | 1300 | 5000 | 62 |
| TH25 3 | 109.9 | 26 | 153 | 0.42 | 1300 | 4150 | 13 | 200 | 0.27 | 1300 | 5000 | 62 |
| TH25 3 | 132.2 | 21 | 166 | 0.38 | 1300 | 4450 | 11 | 200 | 0.23 | 1300 | 5000 | 62 |
| TH25 3 | 146.4 | 19 | 160 | 0.33 | 1300 | 5000 | 10 | 200 | 0.21 | 1300 | 5000 | 62 |
| TH25 3 | 163.4 | 17 | 157 | 0.29 | 1300 | 5000 | 9 | 200 | 0.19 | 1300 | 5000 | 62 |
| TH25 3 | 184.2 | 15 | 158 | 0.26 | 1300 | 5000 | 8 | 200 | 0.16 | 1300 | 5000 | 62 |

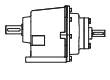

TH..ISS.. Performance Parameter

| TH 25 | | 200 Nm | | | | | | | | | | |
|---|-------|-----------------------------|-----------------------|-----------------------|----------------------|----------------------|-----------------------------|-----------------------|-----------------------|----------------------|----------------------|---|
|  | i | n ₁ =900 [r/min] | | | | | n ₁ =500 [r/min] | | | | |  |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH25 2 | 3.8 | 235 | 103 | 2.62 | 980 | 1750 | 131 | 128 | 1.80 | 980 | 2350 | 62 |
| TH25 2 | 5.0 | 181 | 132 | 2.58 | 1010 | 1980 | 100 | 162 | 1.76 | 1010 | 2650 | 62 |
| TH25 2 | 6.6 | 137 | 172 | 2.53 | 1210 | 2160 | 76 | 194 | 1.59 | 1210 | 2660 | 62 |
| TH25 2 | 7.9 | 114 | 195 | 2.40 | 1260 | 2320 | 63 | 198 | 1.35 | 1260 | 2760 | 62 |
| TH25 2 | 9.0 | 100 | 195 | 2.10 | 1300 | 2420 | 56 | 198 | 1.19 | 1300 | 2940 | 62 |
| TH25 2 | 10.3 | 87 | 196 | 1.84 | 1300 | 2560 | 48 | 200 | 1.05 | 1300 | 3250 | 62 |
| TH25 2 | 12.0 | 75 | 197 | 1.59 | 1300 | 2710 | 42 | 201 | 0.90 | 1300 | 3450 | 62 |
| TH25 2 | 14.9 | 60 | 181 | 1.18 | 1300 | 2860 | 34 | 185 | 0.67 | 1300 | 3720 | 62 |
| TH25 2 | 17.0 | 53 | 183 | 1.05 | 1300 | 3160 | 29 | 187 | 0.60 | 1300 | 3860 | 62 |
| TH25 2 | 19.5 | 46 | 185 | 0.92 | 1300 | 3350 | 26 | 191 | 0.53 | 1300 | 4050 | 62 |
| TH25 2 | 22.6 | 40 | 186 | 0.80 | 1300 | 3450 | 22 | 193 | 0.46 | 1300 | 4460 | 62 |
| TH25 2 | 26.7 | 34 | 187 | 0.68 | 1300 | 3760 | 19 | 195 | 0.39 | 1300 | 4900 | 62 |
| TH25 2 | 32.1 | 28 | 187 | 0.57 | 1300 | 4150 | 16 | 194 | 0.33 | 1300 | 5000 | 62 |
| TH25 2 | 35.5 | 25 | 187 | 0.51 | 1300 | 4350 | 14 | 191 | 0.29 | 1300 | 5000 | 62 |
| TH25 2 | 39.7 | 23 | 188 | 0.46 | 1300 | 4650 | 13 | 198 | 0.27 | 1300 | 5000 | 62 |
| TH25 2 | 44.7 | 20 | 189 | 0.41 | 1300 | 4750 | 11 | 199 | 0.24 | 1300 | 5000 | 62 |
| TH25 3 | 49.5 | 18 | 200 | 0.39 | 1300 | 5000 | 10 | 200 | 0.22 | 1300 | 5000 | 62 |
| TH25 3 | 58.3 | 15 | 200 | 0.33 | 1300 | 5000 | 9 | 200 | 0.19 | 1300 | 5000 | 62 |
| TH25 3 | 61.3 | 15 | 200 | 0.32 | 1300 | 5000 | 8 | 200 | 0.18 | 1300 | 5000 | 62 |
| TH25 3 | 69.8 | 13 | 200 | 0.28 | 1300 | 5000 | 7 | 200 | 0.15 | 1300 | 5000 | 62 |
| TH25 3 | 80.2 | 11 | 200 | 0.24 | 1300 | 5000 | 6 | 196 | 0.13 | 1300 | 5000 | 62 |
| TH25 3 | 93.2 | 10 | 200 | 0.21 | 1300 | 5000 | 5 | 200 | 0.12 | 1300 | 5000 | 62 |
| TH25 3 | 109.9 | 8 | 200 | 0.18 | 1300 | 5000 | 5 | 200 | 0.10 | 1300 | 5000 | 62 |
| TH25 3 | 132.2 | 7 | 200 | 0.15 | 1300 | 5000 | 4 | 200 | 0.08 | 1300 | 5000 | 62 |
| TH25 3 | 146.4 | 6 | 200 | 0.13 | 1300 | 5000 | 3 | 200 | 0.07 | 1300 | 5000 | 62 |
| TH25 3 | 163.4 | 6 | 200 | 0.12 | 1300 | 5000 | 3 | 200 | 0.07 | 1300 | 5000 | 62 |
| TH25 3 | 184.2 | 5 | 200 | 0.11 | 1300 | 5000 | 3 | 200 | 0.06 | 1300 | 5000 | 62 |

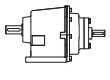
TH..ISS.. Performance Parameter

| TH 30 | | 300 Nm | | | | | | | | | | |
|---|-------|------------------------------|-----------------------|-----------------------|----------------------|----------------------|------------------------------|-----------------------|-----------------------|----------------------|----------------------|----|
|  | i | n ₁ =2800 [r/min] | | | | | n ₁ =1400 [r/min] | | | | | ↔ |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH30 2 | 3.6 | 777 | 118 | 9.90 | 560 | 1830 | 388 | 146 | 6.14 | 940 | 2850 | 64 |
| TH30 2 | 5.1 | 551 | 142 | 8.42 | 470 | 1990 | 275 | 200 | 5.94 | 1100 | 2850 | 64 |
| TH30 2 | 6.1 | 459 | 152 | 7.52 | 300 | 2130 | 230 | 208 | 5.15 | 1450 | 2900 | 64 |
| TH30 2 | 7.9 | 353 | 182 | 6.93 | 1870 | 2480 | 177 | 244 | 4.65 | 2200 | 2950 | 64 |
| TH30 2 | 9.2 | 306 | 177 | 5.84 | 1910 | 2580 | 153 | 228 | 3.76 | 2200 | 3500 | 64 |
| TH30 2 | 10.7 | 262 | 196 | 5.54 | 1800 | 2700 | 131 | 245 | 3.47 | 2200 | 3600 | 64 |
| TH30 2 | 12.6 | 222 | 211 | 5.05 | 1910 | 2820 | 111 | 265 | 3.17 | 2200 | 3750 | 64 |
| TH30 2 | 15.0 | 187 | 225 | 4.55 | 1880 | 3000 | 94 | 300 | 3.03 | 2200 | 3850 | 64 |
| TH30 2 | 17.3 | 162 | 232 | 4.06 | 1900 | 3100 | 81 | 300 | 2.63 | 2200 | 4200 | 64 |
| TH30 2 | 20.1 | 139 | 244 | 3.66 | 1900 | 3290 | 70 | 300 | 2.25 | 2200 | 4500 | 64 |
| TH30 2 | 23.8 | 118 | 257 | 3.27 | 1900 | 3560 | 59 | 300 | 1.90 | 2200 | 4700 | 64 |
| TH30 2 | 28.8 | 97 | 273 | 2.87 | 1900 | 3770 | 49 | 300 | 1.58 | 2200 | 5000 | 64 |
| TH30 2 | 31.9 | 88 | 292 | 2.77 | 1900 | 3850 | 44 | 300 | 1.42 | 2200 | 5200 | 64 |
| TH30 2 | 35.7 | 79 | 300 | 2.54 | 1900 | 4030 | 39 | 300 | 1.27 | 2200 | 5200 | 64 |
| TH30 3 | 41.8 | 67 | 300 | 2.17 | 1010 | 4160 | 34 | 300 | 1.09 | 1300 | 5500 | 64 |
| TH30 3 | 48.0 | 58 | 300 | 1.89 | 1030 | 4420 | 29 | 300 | 0.94 | 1300 | 5500 | 64 |
| TH30 3 | 55.8 | 50 | 300 | 1.63 | 1060 | 4650 | 25 | 300 | 0.81 | 1300 | 5500 | 64 |
| TH30 3 | 65.7 | 43 | 300 | 1.38 | 1120 | 5500 | 21 | 300 | 0.69 | 1300 | 5500 | 64 |
| TH30 3 | 78.8 | 36 | 300 | 1.15 | 1180 | 5500 | 18 | 300 | 0.58 | 1300 | 5500 | 64 |
| TH30 3 | 90.5 | 31 | 300 | 1.00 | 1200 | 5500 | 16 | 300 | 0.50 | 1300 | 5500 | 64 |
| TH30 3 | 105.1 | 27 | 300 | 0.86 | 1200 | 5500 | 13 | 300 | 0.43 | 1300 | 5500 | 64 |
| TH30 3 | 123.9 | 23 | 300 | 0.73 | 1300 | 5500 | 11 | 300 | 0.37 | 1300 | 5500 | 64 |
| TH30 3 | 149.1 | 19 | 300 | 0.61 | 1300 | 5500 | 9 | 300 | 0.30 | 1300 | 5500 | 64 |
| TH30 3 | 165.0 | 17 | 300 | 0.55 | 1300 | 5500 | 9 | 300 | 0.27 | 1300 | 5500 | 64 |
| TH30 3 | 184.2 | 15 | 300 | 0.49 | 1300 | 5500 | 8 | 300 | 0.25 | 1300 | 5500 | 64 |
| TH30 3 | 207.6 | 13 | 300 | 0.44 | 1300 | 5500 | 6 | 300 | 0.22 | 1300 | 5500 | 64 |

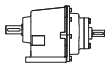

TH..ISS.. Performance Parameter

| TH 30 | | 300 Nm | | | | | | | | | | |
|---|-------|----------------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------------|-----------------------|-----------------------|----------------------|----------------------|---|
|  | i | n ₁ =900[r/min] | | | | | n ₁ =500[r/min] | | | | |  |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH30 2 | 3.6 | 250 | 154 | 4.16 | 1500 | 2790 | 139 | 192 | 2.87 | 2200 | 3480 | 64 |
| TH30 2 | 5.1 | 177 | 171 | 3.27 | 1700 | 3210 | 98 | 224 | 2.38 | 2200 | 3790 | 64 |
| TH30 2 | 6.1 | 148 | 180 | 2.87 | 2200 | 3350 | 82 | 235 | 2.08 | 2200 | 4120 | 64 |
| TH30 2 | 7.9 | 113 | 259 | 3.17 | 2200 | 3400 | 63 | 291 | 1.98 | 2200 | 4410 | 64 |
| TH30 2 | 9.2 | 98 | 261 | 2.77 | 2200 | 3750 | 55 | 300 | 1.77 | 2200 | 4640 | 64 |
| TH30 2 | 10.7 | 84 | 283 | 2.57 | 2200 | 3930 | 47 | 300 | 1.52 | 2200 | 4990 | 64 |
| TH30 2 | 12.6 | 71 | 296 | 2.28 | 2200 | 4120 | 40 | 300 | 1.28 | 2200 | 5250 | 64 |
| TH30 2 | 15.0 | 60 | 289 | 1.88 | 2200 | 4210 | 33 | 300 | 1.08 | 2200 | 5500 | 64 |
| TH30 2 | 17.3 | 52 | 299 | 1.68 | 2200 | 4780 | 29 | 300 | 0.94 | 2200 | 5500 | 64 |
| TH30 2 | 20.1 | 45 | 300 | 1.45 | 2200 | 5030 | 25 | 300 | 0.80 | 2200 | 5500 | 64 |
| TH30 2 | 23.8 | 38 | 300 | 1.22 | 2200 | 5200 | 21 | 300 | 0.68 | 2200 | 5500 | 64 |
| TH30 2 | 28.8 | 31 | 300 | 1.01 | 2200 | 5500 | 17 | 300 | 0.56 | 2200 | 5500 | 64 |
| TH30 2 | 31.9 | 28 | 300 | 0.91 | 2200 | 5500 | 16 | 300 | 0.51 | 2200 | 5500 | 64 |
| TH30 2 | 35.7 | 25 | 300 | 0.82 | 2200 | 5500 | 14 | 300 | 0.45 | 2200 | 5500 | 64 |
| TH30 3 | 41.8 | 22 | 300 | 0.70 | 1300 | 5500 | 12 | 300 | 0.39 | 1300 | 5500 | 64 |
| TH30 3 | 48.0 | 19 | 300 | 0.61 | 1300 | 5500 | 10 | 300 | 0.34 | 1300 | 5500 | 64 |
| TH30 3 | 55.8 | 16 | 300 | 0.52 | 1300 | 5500 | 9 | 300 | 0.29 | 1300 | 5500 | 64 |
| TH30 3 | 65.7 | 14 | 300 | 0.44 | 1300 | 5500 | 8 | 300 | 0.25 | 1300 | 5500 | 64 |
| TH30 3 | 78.8 | 11 | 300 | 0.37 | 1300 | 5500 | 6 | 300 | 0.21 | 1300 | 5500 | 64 |
| TH30 3 | 90.5 | 10 | 300 | 0.32 | 1300 | 5500 | 6 | 300 | 0.18 | 1300 | 5500 | 64 |
| TH30 3 | 105.1 | 9 | 300 | 0.28 | 1300 | 5500 | 5 | 300 | 0.15 | 1300 | 5500 | 64 |
| TH30 3 | 123.9 | 7 | 300 | 0.24 | 1300 | 5500 | 4 | 300 | 0.13 | 1300 | 5500 | 64 |
| TH30 3 | 149.1 | 6 | 300 | 0.20 | 1300 | 5500 | 3 | 300 | 0.11 | 1300 | 5500 | 64 |
| TH30 3 | 165.0 | 5 | 300 | 0.18 | 1300 | 5500 | 3 | 300 | 0.10 | 1300 | 5500 | 64 |
| TH30 3 | 184.2 | 5 | 300 | 0.16 | 1300 | 5500 | 3 | 300 | 0.09 | 1300 | 5500 | 64 |
| TH30 3 | 207.6 | 4 | 300 | 0.14 | 1300 | 5500 | 2 | 300 | 0.08 | 1300 | 5500 | 64 |

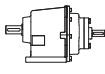

TH..ISS.. Performance Parameter

| TH 35 | | 600 Nm | | | | | | | | | | |
|---|-------|------------------------------|-----------------------|-----------------------|----------------------|----------------------|-----------------------------|-----------------------|-----------------------|----------------------|----------------------|----|
|  | i | n ₁ =2800 [r/min] | | | | | n ₁ =1400[r/min] | | | | | ↔ |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH35 2 | 3.7 | 764 | 264 | 21.78 | 1050 | 1450 | 382 | 266 | 10.99 | 1850 | 2210 | 66 |
| TH35 2 | 5.0 | 559 | 298 | 18.02 | 1160 | 1850 | 280 | 289 | 8.71 | 2550 | 2650 | 66 |
| TH35 2 | 6.1 | 459 | 302 | 14.95 | 2250 | 2050 | 229 | 324 | 8.02 | 2620 | 3100 | 66 |
| TH35 2 | 7.0 | 399 | 297 | 12.77 | 2300 | 2650 | 199 | 363 | 7.82 | 2900 | 3380 | 66 |
| TH35 2 | 8.1 | 344 | 315 | 11.68 | 2330 | 2800 | 172 | 379 | 7.03 | 3010 | 3550 | 66 |
| TH35 2 | 8.8 | 318 | 314 | 10.79 | 2390 | 2950 | 159 | 392 | 6.73 | 3050 | 3750 | 66 |
| TH35 2 | 10.4 | 270 | 333 | 9.70 | 2450 | 3050 | 135 | 428 | 6.24 | 3100 | 3800 | 66 |
| TH35 2 | 12.4 | 225 | 367 | 8.91 | 2460 | 3250 | 112 | 424 | 5.15 | 3120 | 4120 | 66 |
| TH35 2 | 14.4 | 194 | 374 | 7.82 | 2470 | 3400 | 97 | 397 | 4.16 | 3180 | 4300 | 66 |
| TH35 2 | 18.4 | 152 | 416 | 6.83 | 2480 | 3610 | 76 | 434 | 3.56 | 3200 | 4760 | 66 |
| TH35 2 | 22.1 | 127 | 434 | 5.94 | 2500 | 3950 | 63 | 448 | 3.07 | 3230 | 5100 | 66 |
| TH35 2 | 24.4 | 115 | 447 | 5.54 | 2550 | 4150 | 57 | 463 | 2.87 | 3230 | 5420 | 66 |
| TH35 2 | 27.1 | 103 | 452 | 5.05 | 2550 | 4290 | 52 | 461 | 2.57 | 3250 | 5660 | 66 |
| TH35 2 | 30.3 | 92 | 457 | 4.55 | 2550 | 4550 | 46 | 457 | 2.28 | 3300 | 5750 | 66 |
| TH35 2 | 34.3 | 82 | 465 | 4.10 | 2550 | 4560 | 41 | 472 | 2.08 | 3320 | 6170 | 66 |
| TH35 3 | 36.6 | 76 | 511 | 4.21 | 3050 | 4750 | 38 | 451 | 1.86 | 3500 | 6450 | 66 |
| TH35 3 | 42.3 | 66 | 532 | 3.80 | 3050 | 4900 | 33 | 521 | 1.86 | 3500 | 6450 | 66 |
| TH35 3 | 49.3 | 57 | 534 | 3.27 | 3050 | 5150 | 28 | 528 | 1.62 | 3500 | 6650 | 66 |
| TH35 3 | 58.4 | 48 | 536 | 2.77 | 3050 | 5360 | 24 | 530 | 1.37 | 3500 | 7000 | 66 |
| TH35 3 | 70.4 | 40 | 537 | 2.30 | 3050 | 5550 | 20 | 512 | 1.10 | 3500 | 7000 | 66 |
| TH35 3 | 87.5 | 32 | 482 | 1.67 | 3050 | 6000 | 16 | 482 | 0.83 | 3500 | 7000 | 66 |
| TH35 3 | 103.6 | 27 | 490 | 1.43 | 3050 | 6300 | 14 | 484 | 0.71 | 3500 | 7000 | 66 |
| TH35 3 | 125.0 | 22 | 511 | 1.23 | 3050 | 6700 | 11 | 494 | 0.60 | 3500 | 7000 | 66 |
| TH35 3 | 138.6 | 20 | 494 | 1.08 | 3050 | 7000 | 10 | 494 | 0.54 | 3500 | 7000 | 66 |
| TH35 3 | 155.0 | 18 | 503 | 0.98 | 3050 | 7000 | 9 | 492 | 0.48 | 3500 | 7000 | 66 |

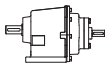
TH..ISS.. Performance Parameter

| TH 35 | | 600 Nm | | | | | | | | | | |
|---|-------|---------------------------------|-----------------------|-----------------------|----------------------|----------------------|---------------------------------|-----------------------|-----------------------|----------------------|----------------------|---|
|  | i | n₁=900[r/min] | | | | | n₁=500[r/min] | | | | |  |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH35 2 | 3.7 | 246 | 287 | 7.62 | 2650 | 3100 | 136 | 289 | 4.26 | 3500 | 3960 | 66 |
| TH35 2 | 5.0 | 180 | 326 | 6.34 | 2850 | 3210 | 100 | 367 | 3.96 | 3500 | 4350 | 66 |
| TH35 2 | 6.1 | 147 | 379 | 6.04 | 3300 | 3550 | 82 | 425 | 3.76 | 3500 | 4520 | 66 |
| TH35 2 | 7.0 | 128 | 415 | 5.74 | 3360 | 3860 | 71 | 464 | 3.56 | 3500 | 4720 | 66 |
| TH35 2 | 8.1 | 111 | 440 | 5.25 | 3450 | 3980 | 61 | 493 | 3.27 | 3500 | 5150 | 66 |
| TH35 2 | 8.8 | 102 | 439 | 4.85 | 3500 | 4160 | 57 | 516 | 3.17 | 3500 | 5280 | 66 |
| TH35 2 | 10.4 | 87 | 476 | 4.46 | 3500 | 4350 | 48 | 543 | 2.82 | 3500 | 5750 | 66 |
| TH35 2 | 12.4 | 72 | 520 | 4.06 | 3500 | 4710 | 40 | 543 | 2.36 | 3500 | 6320 | 66 |
| TH35 2 | 14.4 | 62 | 471 | 3.17 | 3500 | 5050 | 35 | 487 | 1.82 | 3500 | 6750 | 66 |
| TH35 2 | 18.4 | 49 | 479 | 2.52 | 3500 | 5450 | 27 | 493 | 1.45 | 3500 | 7000 | 66 |
| TH35 2 | 22.1 | 41 | 482 | 2.12 | 3500 | 6320 | 23 | 494 | 1.21 | 3500 | 7000 | 66 |
| TH35 2 | 24.4 | 37 | 487 | 1.94 | 3500 | 6650 | 21 | 501 | 1.11 | 3500 | 7000 | 66 |
| TH35 2 | 27.1 | 33 | 488 | 1.75 | 3500 | 7000 | 18 | 502 | 1.00 | 3500 | 7000 | 66 |
| TH35 2 | 30.3 | 30 | 491 | 1.57 | 3500 | 7000 | 16 | 506 | 0.90 | 3500 | 7000 | 66 |
| TH35 2 | 34.3 | 26 | 496 | 1.41 | 3500 | 7000 | 15 | 510 | 0.80 | 3500 | 7000 | 66 |
| TH35 3 | 36.6 | 25 | 517 | 1.37 | 3500 | 7000 | 14 | 545 | 0.80 | 3500 | 7000 | 66 |
| TH35 3 | 42.3 | 21 | 546 | 1.25 | 3500 | 7000 | 12 | 553 | 0.71 | 3500 | 7000 | 66 |
| TH35 3 | 49.3 | 18 | 552 | 1.09 | 3500 | 7000 | 10 | 555 | 0.61 | 3500 | 7000 | 66 |
| TH35 3 | 58.4 | 15 | 553 | 0.92 | 3500 | 7000 | 9 | 551 | 0.51 | 3500 | 7000 | 66 |
| TH35 3 | 70.4 | 13 | 554 | 0.76 | 3500 | 7000 | 7 | 550 | 0.42 | 3500 | 7000 | 66 |
| TH35 3 | 87.5 | 10 | 521 | 0.58 | 3500 | 7000 | 6 | 540 | 0.33 | 3500 | 7000 | 66 |
| TH35 3 | 103.6 | 9 | 522 | 0.49 | 3500 | 7000 | 5 | 526 | 0.27 | 3500 | 7000 | 66 |
| TH35 3 | 125.0 | 7 | 530 | 0.41 | 3500 | 7000 | 4 | 522 | 0.23 | 3500 | 7000 | 66 |
| TH35 3 | 138.6 | 6 | 531 | 0.37 | 3500 | 7000 | 4 | 554 | 0.22 | 3500 | 7000 | 66 |
| TH35 3 | 155.0 | 6 | 516 | 0.32 | 3500 | 7000 | 3 | 535 | 0.19 | 3500 | 7000 | 66 |

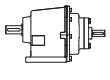

TH..ISS.. Performance Parameter

| TH 40 | | 1000 Nm | | | | | | | | | | |
|---|-------|-----------------------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------------------|-----------------------|-----------------------|----------------------|----------------------|---|
|  | i | n₁=2800 [r/min] | | | | | n₁=1400[r/min] | | | | |  |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH40 2 | 4.4 | 638 | 388 | 26.73 | 1150 | 4010 | 319 | 480 | 16.53 | 2010 | 5360 | 68 |
| TH40 2 | 5.6 | 496 | 444 | 23.76 | 1290 | 4360 | 248 | 540 | 14.45 | 2400 | 5650 | 68 |
| TH40 2 | 6.9 | 406 | 497 | 21.78 | 2250 | 4750 | 203 | 612 | 13.41 | 2850 | 5980 | 68 |
| TH40 2 | 7.4 | 378 | 509 | 20.79 | 2280 | 4900 | 189 | 618 | 12.62 | 2880 | 6050 | 68 |
| TH40 2 | 8.6 | 327 | 562 | 19.80 | 2310 | 5100 | 163 | 663 | 11.68 | 2900 | 6680 | 68 |
| TH40 2 | 10.0 | 279 | 598 | 18.02 | 2310 | 5310 | 139 | 681 | 10.26 | 3010 | 7560 | 68 |
| TH40 2 | 11.9 | 235 | 668 | 16.93 | 2360 | 5890 | 117 | 742 | 9.41 | 3070 | 8150 | 68 |
| TH40 2 | 13.4 | 209 | 721 | 16.24 | 2380 | 5950 | 104 | 756 | 8.51 | 3100 | 9100 | 68 |
| TH40 2 | 15.7 | 178 | 700 | 13.46 | 2390 | 6320 | 89 | 772 | 7.43 | 3120 | 9560 | 68 |
| TH40 2 | 18.7 | 150 | 709 | 11.48 | 2390 | 6580 | 75 | 770 | 6.24 | 3150 | 10000 | 68 |
| TH40 2 | 20.5 | 137 | 731 | 10.79 | 2410 | 7100 | 68 | 778 | 5.74 | 3180 | 10000 | 68 |
| TH40 2 | 22.6 | 124 | 747 | 10.00 | 2410 | 7160 | 62 | 784 | 5.25 | 3250 | 10000 | 68 |
| TH40 2 | 24.6 | 114 | 759 | 9.31 | 2450 | 7550 | 57 | 791 | 4.85 | 3400 | 10000 | 68 |
| TH40 2 | 27.1 | 103 | 763 | 8.51 | 2460 | 7680 | 52 | 799 | 4.46 | 3500 | 10000 | 68 |
| TH40 2 | 30.0 | 93 | 767 | 7.72 | 2480 | 7810 | 47 | 802 | 4.04 | 3500 | 10000 | 68 |
| TH40 2 | 33.5 | 84 | 768 | 6.93 | 2510 | 8150 | 42 | 808 | 3.64 | 3500 | 10000 | 68 |
| TH40 2 | 37.8 | 74 | 780 | 6.24 | 2510 | 8350 | 37 | 814 | 3.26 | 3500 | 10000 | 68 |
| TH40 3 | 39.4 | 71 | 792 | 6.08 | 2760 | 9530 | 36 | 818 | 3.14 | 3500 | 10000 | 68 |
| TH40 3 | 42.6 | 66 | 829 | 5.88 | 2810 | 10000 | 33 | 856 | 3.04 | 3500 | 10000 | 68 |
| TH40 3 | 50.3 | 56 | 834 | 5.02 | 2840 | 10000 | 28 | 880 | 2.65 | 3500 | 10000 | 68 |
| TH40 3 | 60.3 | 47 | 840 | 4.21 | 2860 | 10000 | 23 | 906 | 2.27 | 3500 | 10000 | 68 |
| TH40 3 | 66.5 | 42 | 841 | 3.82 | 2990 | 10000 | 21 | 906 | 2.06 | 3500 | 10000 | 68 |
| TH40 3 | 78.6 | 36 | 808 | 3.11 | 3010 | 10000 | 18 | 841 | 1.62 | 3500 | 10000 | 68 |
| TH40 3 | 94.3 | 30 | 816 | 2.62 | 3030 | 10000 | 15 | 850 | 1.36 | 3500 | 10000 | 68 |
| TH40 3 | 104.1 | 27 | 820 | 2.38 | 3060 | 10000 | 13 | 850 | 1.23 | 3500 | 10000 | 68 |
| TH40 3 | 115.6 | 24 | 825 | 2.16 | 3100 | 10000 | 12 | 855 | 1.12 | 3500 | 10000 | 68 |
| TH40 3 | 129.5 | 22 | 827 | 1.93 | 3100 | 10000 | 11 | 865 | 1.01 | 3500 | 10000 | 68 |
| TH40 3 | 146.5 | 19 | 836 | 1.72 | 3100 | 10000 | 10 | 874 | 0.90 | 3500 | 10000 | 68 |

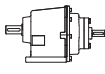

TH..ISS.. Performance Parameter

| TH 40 | | | | | | | | | | | | 1000 Nm |
|---|-------|----------------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------------|-----------------------|-----------------------|----------------------|----------------------|---------|
|  | i | n ₁ =900[r/min] | | | | | n ₁ =500[r/min] | | | | | ↔ |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH40 2 | 4.4 | 205 | 465 | 10.30 | 2900 | 6300 | 114 | 491 | 6.04 | 3500 | 8100 | 68 |
| TH40 2 | 5.6 | 159 | 581 | 10.00 | 3080 | 6850 | 89 | 569 | 5.45 | 3500 | 8400 | 68 |
| TH40 2 | 6.9 | 130 | 682 | 9.60 | 3310 | 6950 | 72 | 633 | 4.95 | 3500 | 8760 | 68 |
| TH40 2 | 7.4 | 122 | 709 | 9.31 | 3450 | 7200 | 68 | 638 | 4.65 | 3500 | 9150 | 68 |
| TH40 2 | 8.6 | 105 | 786 | 8.91 | 3480 | 7400 | 58 | 692 | 4.36 | 3500 | 9680 | 68 |
| TH40 2 | 10.0 | 90 | 859 | 8.32 | 3500 | 7780 | 50 | 755 | 4.06 | 3500 | 10000 | 68 |
| TH40 2 | 11.9 | 75 | 838 | 6.83 | 3500 | 8900 | 42 | 809 | 3.66 | 3500 | 10000 | 68 |
| TH40 2 | 13.4 | 67 | 779 | 5.64 | 3500 | 9250 | 37 | 813 | 3.27 | 3500 | 10000 | 68 |
| TH40 2 | 15.7 | 57 | 784 | 4.85 | 3500 | 9800 | 32 | 821 | 2.82 | 3500 | 10000 | 68 |
| TH40 2 | 18.7 | 48 | 798 | 4.16 | 3500 | 10000 | 27 | 832 | 2.41 | 3500 | 10000 | 68 |
| TH40 2 | 20.5 | 44 | 805 | 3.82 | 3500 | 10000 | 24 | 834 | 2.20 | 3500 | 10000 | 68 |
| TH40 2 | 22.6 | 40 | 812 | 3.49 | 3500 | 10000 | 22 | 841 | 2.01 | 3500 | 10000 | 68 |
| TH40 2 | 24.6 | 37 | 819 | 3.23 | 3500 | 10000 | 20 | 845 | 1.85 | 3500 | 10000 | 68 |
| TH40 2 | 27.1 | 33 | 820 | 2.94 | 3500 | 10000 | 18 | 840 | 1.67 | 3500 | 10000 | 68 |
| TH40 2 | 30.0 | 30 | 823 | 2.66 | 3500 | 10000 | 17 | 853 | 1.53 | 3500 | 10000 | 68 |
| TH40 2 | 33.5 | 27 | 830 | 2.41 | 3500 | 10000 | 15 | 854 | 1.38 | 3500 | 10000 | 68 |
| TH40 2 | 37.8 | 24 | 835 | 2.15 | 3500 | 10000 | 13 | 866 | 1.24 | 3500 | 10000 | 68 |
| TH40 3 | 39.4 | 23 | 910 | 2.24 | 3500 | 10000 | 13 | 923 | 1.26 | 3500 | 10000 | 68 |
| TH40 3 | 42.6 | 21 | 907 | 2.07 | 3500 | 10000 | 12 | 928 | 1.18 | 3500 | 10000 | 68 |
| TH40 3 | 50.3 | 18 | 912 | 1.76 | 3500 | 10000 | 10 | 912 | 0.98 | 3500 | 10000 | 68 |
| TH40 3 | 60.3 | 15 | 918 | 1.48 | 3500 | 10000 | 8 | 930 | 0.83 | 3500 | 10000 | 68 |
| TH40 3 | 66.5 | 14 | 912 | 1.33 | 3500 | 10000 | 8 | 906 | 0.74 | 3500 | 10000 | 68 |
| TH40 3 | 78.6 | 11 | 857 | 1.06 | 3500 | 10000 | 6 | 885 | 0.61 | 3500 | 10000 | 68 |
| TH40 3 | 94.3 | 10 | 875 | 0.90 | 3500 | 10000 | 5 | 890 | 0.51 | 3500 | 10000 | 68 |
| TH40 3 | 104.1 | 9 | 861 | 0.80 | 3500 | 10000 | 5 | 869 | 0.45 | 3500 | 10000 | 68 |
| TH40 3 | 115.6 | 8 | 875 | 0.74 | 3500 | 10000 | 4 | 882 | 0.41 | 3500 | 10000 | 68 |
| TH40 3 | 129.5 | 7 | 875 | 0.66 | 3500 | 10000 | 4 | 917 | 0.38 | 3500 | 10000 | 68 |
| TH40 3 | 146.5 | 6 | 886 | 0.59 | 3500 | 10000 | 3 | 931 | 0.34 | 3500 | 10000 | 68 |

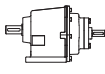

TH..ISS.. Performance Parameter

| TH 50 | | 1600 Nm | | | | | | | | | | |
|---|-------|-----------------------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------------------|-----------------------|-----------------------|----------------------|----------------------|---|
|  | i | n₁=2800 [r/min] | | | | | n₁=1400[r/min] | | | | |  |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH50 2 | 4.3 | 645 | 639 | 44.55 | 2000 | 5250 | 323 | 745 | 25.94 | 2100 | 6100 | 70 |
| TH50 2 | 5.6 | 496 | 757 | 40.59 | 2000 | 5420 | 248 | 924 | 24.75 | 2350 | 6550 | 70 |
| TH50 2 | 6.9 | 403 | 887 | 38.61 | 2200 | 5620 | 202 | 1091 | 23.76 | 2650 | 6850 | 70 |
| TH50 2 | 8.0 | 348 | 974 | 36.63 | 2280 | 6000 | 174 | 1206 | 22.67 | 2860 | 7060 | 70 |
| TH50 2 | 8.7 | 323 | 1023 | 35.64 | 2380 | 6120 | 161 | 1245 | 21.68 | 2920 | 7540 | 70 |
| TH50 2 | 10.2 | 275 | 1102 | 32.67 | 2650 | 6580 | 137 | 1295 | 19.21 | 2960 | 7710 | 70 |
| TH50 2 | 12.9 | 217 | 1269 | 29.70 | 2450 | 7220 | 108 | 1392 | 16.29 | 2980 | 8530 | 70 |
| TH50 2 | 15.0 | 187 | 1323 | 26.73 | 2520 | 7850 | 94 | 1353 | 13.66 | 3400 | 9430 | 70 |
| TH50 2 | 18.8 | 148 | 1187 | 19.01 | 2450 | 7950 | 74 | 1249 | 10.00 | 3620 | 11000 | 70 |
| TH50 2 | 21.9 | 128 | 1203 | 16.63 | 2850 | 8750 | 64 | 1261 | 8.71 | 3750 | 11500 | 70 |
| TH50 2 | 23.7 | 118 | 1209 | 15.44 | 2600 | 9350 | 59 | 1271 | 8.12 | 3850 | 11900 | 70 |
| TH50 2 | 25.7 | 109 | 1213 | 14.26 | 2750 | 9750 | 54 | 1280 | 7.52 | 3950 | 12600 | 70 |
| TH50 2 | 28.1 | 100 | 1223 | 13.17 | 2950 | 10250 | 50 | 1269 | 6.83 | 3980 | 13400 | 70 |
| TH50 2 | 30.9 | 91 | 1233 | 12.08 | 3650 | 11000 | 45 | 1293 | 6.34 | 4020 | 13600 | 70 |
| TH50 2 | 34.1 | 82 | 1240 | 10.99 | 3700 | 11500 | 41 | 1296 | 5.74 | 4050 | 13700 | 70 |
| TH50 2 | 38.0 | 74 | 1252 | 9.95 | 3750 | 12100 | 37 | 1296 | 5.15 | 4050 | 13800 | 70 |
| TH50 3 | 41.2 | 68 | 1468 | 10.78 | 3800 | 13000 | 34 | 1548 | 5.68 | 4700 | 14300 | 70 |
| TH50 3 | 48.2 | 58 | 1500 | 9.41 | 3820 | 13500 | 29 | 1563 | 4.90 | 4700 | 15500 | 70 |
| TH50 3 | 57.2 | 49 | 1522 | 8.04 | 3850 | 14500 | 24 | 1581 | 4.17 | 4700 | 16000 | 70 |
| TH50 3 | 69.3 | 40 | 1528 | 6.66 | 3850 | 15200 | 20 | 1595 | 3.48 | 4700 | 16000 | 70 |
| TH50 3 | 83.7 | 33 | 1307 | 4.72 | 3850 | 16000 | 17 | 1356 | 2.45 | 4700 | 16000 | 70 |
| TH50 3 | 91.8 | 31 | 1315 | 4.33 | 3850 | 16000 | 15 | 1369 | 2.25 | 4700 | 16000 | 70 |
| TH50 3 | 101.3 | 28 | 1313 | 3.92 | 3850 | 16000 | 14 | 1372 | 2.05 | 4700 | 16000 | 70 |
| TH50 3 | 110.5 | 25 | 1325 | 3.63 | 3850 | 16000 | 13 | 1375 | 1.88 | 4700 | 16000 | 70 |
| TH50 3 | 121.5 | 23 | 1340 | 3.33 | 3850 | 16000 | 12 | 1379 | 1.72 | 4700 | 16000 | 70 |
| TH50 3 | 134.6 | 21 | 1309 | 2.94 | 3850 | 16000 | 10 | 1405 | 1.58 | 4700 | 16000 | 70 |
| TH50 3 | 150.3 | 19 | 1345 | 2.70 | 3850 | 16000 | 9 | 1393 | 1.40 | 4700 | 16000 | 70 |
| TH50 3 | 169.4 | 17 | 1351 | 2.41 | 3850 | 16000 | 8 | 1417 | 1.26 | 4700 | 16000 | 70 |

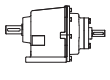

TH..ISS.. Performance Parameter

| TH 50 | | 1600 Nm | | | | | | | | | | |
|---|-------|----------------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------------|-----------------------|-----------------------|----------------------|----------------------|---|
|  | i | n ₁ =900[r/min] | | | | | n ₁ =500[r/min] | | | | |  |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH50 2 | 4.3 | 207 | 972 | 21.78 | 2850 | 7950 | 115 | 1042 | 12.97 | 4700 | 9600 | 70 |
| TH50 2 | 5.6 | 160 | 1207 | 20.79 | 3100 | 8150 | 89 | 1241 | 11.88 | 4700 | 10500 | 70 |
| TH50 2 | 6.9 | 130 | 1414 | 19.80 | 3250 | 8250 | 72 | 1426 | 11.09 | 4700 | 11200 | 70 |
| TH50 2 | 8.0 | 112 | 1458 | 17.62 | 3850 | 8350 | 62 | 1504 | 10.10 | 4700 | 11500 | 70 |
| TH50 2 | 8.7 | 104 | 1468 | 16.43 | 4050 | 8950 | 58 | 1448 | 9.01 | 4700 | 12200 | 70 |
| TH50 2 | 10.2 | 88 | 1475 | 14.06 | 4250 | 10200 | 49 | 1496 | 7.92 | 4700 | 12800 | 70 |
| TH50 2 | 12.9 | 70 | 1501 | 11.29 | 4460 | 10800 | 39 | 1493 | 6.24 | 4700 | 14000 | 70 |
| TH50 2 | 15.0 | 60 | 1510 | 9.80 | 4470 | 11500 | 33 | 1400 | 5.05 | 4700 | 15000 | 70 |
| TH50 2 | 18.8 | 48 | 1288 | 6.63 | 4620 | 13500 | 26 | 1340 | 3.83 | 4700 | 16000 | 70 |
| TH50 2 | 21.9 | 41 | 1306 | 5.80 | 4700 | 14000 | 23 | 1352 | 3.34 | 4700 | 16000 | 70 |
| TH50 2 | 23.7 | 38 | 1302 | 5.35 | 4700 | 14600 | 21 | 1354 | 3.09 | 4700 | 16000 | 70 |
| TH50 2 | 25.7 | 35 | 1310 | 4.95 | 4700 | 14900 | 19 | 1354 | 2.84 | 4700 | 16000 | 70 |
| TH50 2 | 28.1 | 32 | 1316 | 4.55 | 4700 | 15200 | 18 | 1365 | 2.62 | 4700 | 16000 | 70 |
| TH50 2 | 30.9 | 29 | 1333 | 4.20 | 4700 | 16000 | 16 | 1375 | 2.41 | 4700 | 16000 | 70 |
| TH50 2 | 34.1 | 26 | 1331 | 3.79 | 4700 | 16000 | 15 | 1377 | 2.18 | 4700 | 16000 | 70 |
| TH50 2 | 38.0 | 24 | 1349 | 3.45 | 4700 | 16000 | 13 | 1395 | 1.98 | 4700 | 16000 | 70 |
| TH50 3 | 41.2 | 22 | 1574 | 3.71 | 4700 | 16000 | 12 | 1594 | 2.09 | 4700 | 16000 | 70 |
| TH50 3 | 48.2 | 19 | 1597 | 3.22 | 4700 | 16000 | 10 | 1589 | 1.78 | 4700 | 16000 | 70 |
| TH50 3 | 57.2 | 16 | 1599 | 2.71 | 4700 | 16000 | 9 | 1598 | 1.51 | 4700 | 16000 | 70 |
| TH50 3 | 69.3 | 13 | 1598 | 2.24 | 4700 | 16000 | 7 | 1600 | 1.25 | 4700 | 16000 | 70 |
| TH50 3 | 83.7 | 11 | 1401 | 1.63 | 4700 | 16000 | 6 | 1412 | 0.91 | 4700 | 16000 | 70 |
| TH50 3 | 91.8 | 10 | 1407 | 1.49 | 4700 | 16000 | 5 | 1450 | 0.85 | 4700 | 16000 | 70 |
| TH50 3 | 101.3 | 9 | 1410 | 1.35 | 4700 | 16000 | 5 | 1416 | 0.75 | 4700 | 16000 | 70 |
| TH50 3 | 110.5 | 8 | 1404 | 1.23 | 4700 | 16000 | 5 | 1444 | 0.71 | 4700 | 16000 | 70 |
| TH50 3 | 121.5 | 7 | 1434 | 1.15 | 4700 | 16000 | 4 | 1456 | 0.65 | 4700 | 16000 | 70 |
| TH50 3 | 134.6 | 7 | 1425 | 1.03 | 4700 | 16000 | 4 | 1442 | 0.58 | 4700 | 16000 | 70 |
| TH50 3 | 150.3 | 6 | 1409 | 0.91 | 4700 | 16000 | 3 | 1446 | 0.52 | 4700 | 16000 | 70 |
| TH50 3 | 169.4 | 5 | 1435 | 0.82 | 4700 | 16000 | 3 | 1446 | 0.46 | 4700 | 16000 | 70 |

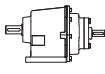

TH..ISS.. Performance Parameter

| TH 60 | | 2300 Nm | | | | | | | | | | |
|---|-------|------------------------------|-----------------------|-----------------------|----------------------|----------------------|-----------------------------|-----------------------|-----------------------|----------------------|----------------------|---|
|  | i | n ₁ =2800 [r/min] | | | | | n ₁ =1400[r/min] | | | | |  |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH60 2 | 4.6 | 613 | 1167 | 77.22 | 1650 | 5590 | 306 | 1556 | 51.48 | 1860 | 7100 | 72 |
| TH60 2 | 5.8 | 480 | 1394 | 72.27 | 1850 | 5600 | 240 | 1673 | 43.36 | 2100 | 7350 | 72 |
| TH60 2 | 7.1 | 396 | 1576 | 67.32 | 1850 | 6750 | 198 | 1836 | 39.20 | 2530 | 7400 | 72 |
| TH60 2 | 8.7 | 321 | 1770 | 61.38 | 1860 | 6850 | 161 | 2027 | 35.15 | 2680 | 7680 | 72 |
| TH60 2 | 10.1 | 276 | 1958 | 58.41 | 1870 | 7150 | 138 | 2077 | 30.99 | 3560 | 8750 | 72 |
| TH60 2 | 11.9 | 235 | 1992 | 50.49 | 1900 | 7860 | 117 | 2125 | 26.93 | 4250 | 9350 | 72 |
| TH60 2 | 14.6 | 191 | 2062 | 42.57 | 1920 | 9390 | 96 | 2023 | 20.89 | 5120 | 12100 | 72 |
| TH60 2 | 17.2 | 163 | 2201 | 38.61 | 1920 | 9860 | 81 | 2031 | 17.82 | 5320 | 13800 | 72 |
| TH60 2 | 19.8 | 142 | 2300 | 35.15 | 2380 | 10200 | 71 | 2047 | 15.64 | 6000 | 15600 | 72 |
| TH60 2 | 21.5 | 130 | 2186 | 30.69 | 2950 | 10600 | 65 | 2045 | 14.36 | 6200 | 17200 | 72 |
| TH60 2 | 23.6 | 119 | 2161 | 27.72 | 3100 | 11600 | 59 | 2037 | 13.07 | 6350 | 17900 | 72 |
| TH60 2 | 25.9 | 108 | 2148 | 25.05 | 3420 | 12800 | 54 | 2038 | 11.88 | 6700 | 18500 | 72 |
| TH60 2 | 28.7 | 98 | 2163 | 22.77 | 3650 | 13400 | 49 | 1918 | 10.10 | 6860 | 19200 | 72 |
| TH60 2 | 32.1 | 87 | 2205 | 20.79 | 3960 | 14200 | 44 | 1890 | 8.91 | 6950 | 21000 | 72 |
| TH60 3 | 36.6 | 77 | 2300 | 19.00 | 5250 | 16800 | 38 | 2300 | 9.50 | 7000 | 22150 | 72 |
| TH60 3 | 39.5 | 71 | 2300 | 17.60 | 5650 | 17800 | 35 | 2300 | 8.80 | 7000 | 22800 | 72 |
| TH60 3 | 46.4 | 60 | 2300 | 14.98 | 5700 | 18600 | 30 | 2300 | 7.49 | 7000 | 23800 | 72 |
| TH60 3 | 58.8 | 48 | 2300 | 11.82 | 5700 | 19800 | 24 | 2300 | 5.91 | 7000 | 25000 | 72 |
| TH60 3 | 68.1 | 41 | 2300 | 10.20 | 5700 | 20900 | 21 | 2300 | 5.10 | 7000 | 25000 | 72 |
| TH60 3 | 80.1 | 35 | 2300 | 8.68 | 5700 | 22100 | 17 | 2300 | 4.34 | 7000 | 25000 | 72 |
| TH60 3 | 87.5 | 32 | 2300 | 7.95 | 5700 | 23500 | 16 | 2156 | 3.72 | 7000 | 25000 | 72 |
| TH60 3 | 96.1 | 29 | 2300 | 7.23 | 5700 | 25000 | 15 | 2181 | 3.43 | 7000 | 25000 | 72 |
| TH60 3 | 106.5 | 26 | 2300 | 6.53 | 5700 | 25000 | 13 | 2279 | 3.23 | 7000 | 25000 | 72 |
| TH60 3 | 115.8 | 24 | 2300 | 6.01 | 5700 | 25000 | 12 | 2252 | 2.94 | 7000 | 25000 | 72 |
| TH60 3 | 126.4 | 22 | 2300 | 5.50 | 5700 | 25000 | 11 | 2213 | 2.65 | 7000 | 25000 | 72 |
| TH60 3 | 138.8 | 20 | 2300 | 5.01 | 5700 | 25000 | 10 | 2251 | 2.45 | 7000 | 25000 | 72 |
| TH60 3 | 153.5 | 18 | 2300 | 4.53 | 5700 | 25000 | 9 | 2190 | 2.16 | 7000 | 25000 | 72 |
| TH60 3 | 171.2 | 16 | 2300 | 4.06 | 5700 | 25000 | 8 | 2220 | 1.96 | 7000 | 25000 | 72 |

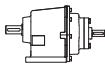

TH..ISS.. Performance Parameter

| TH 60 | | 2300 Nm | | | | | | | | | | |
|---|-------|----------------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------------|-----------------------|-----------------------|----------------------|----------------------|---|
|  | i | n ₁ =900[r/min] | | | | | n ₁ =500[r/min] | | | | |  |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH60 2 | 4.6 | 197 | 1844 | 39.20 | 1560 | 9350 | 109 | 1927 | 22.77 | 5500 | 13200 | 72 |
| TH60 2 | 5.8 | 154 | 2008 | 33.46 | 1650 | 9980 | 86 | 2245 | 20.79 | 5650 | 13500 | 72 |
| TH60 2 | 7.1 | 127 | 2163 | 29.70 | 1710 | 10600 | 71 | 2206 | 16.83 | 5760 | 15200 | 72 |
| TH60 2 | 8.7 | 103 | 2185 | 24.35 | 1760 | 12400 | 57 | 2300 | 14.24 | 5950 | 17100 | 72 |
| TH60 2 | 10.1 | 89 | 2168 | 20.79 | 1810 | 13500 | 49 | 2156 | 11.48 | 6320 | 17900 | 72 |
| TH60 2 | 11.9 | 75 | 2090 | 17.03 | 2460 | 14500 | 42 | 2100 | 9.50 | 6850 | 18600 | 72 |
| TH60 2 | 14.6 | 61 | 2300 | 15.27 | 3250 | 17600 | 34 | 2255 | 8.32 | 7000 | 21800 | 72 |
| TH60 2 | 17.2 | 52 | 2124 | 11.98 | 4360 | 18200 | 29 | 2149 | 6.73 | 7000 | 23800 | 72 |
| TH60 2 | 19.8 | 45 | 2157 | 10.59 | 5960 | 20500 | 25 | 2177 | 5.94 | 7000 | 25000 | 72 |
| TH60 2 | 21.5 | 42 | 2128 | 9.60 | 6350 | 21500 | 23 | 2212 | 5.54 | 7000 | 25000 | 72 |
| TH60 2 | 23.6 | 38 | 2161 | 8.91 | 7000 | 23500 | 21 | 2290 | 5.25 | 7000 | 25000 | 72 |
| TH60 2 | 25.9 | 35 | 2166 | 8.12 | 7000 | 25000 | 19 | 2300 | 4.79 | 7000 | 25000 | 72 |
| TH60 2 | 28.7 | 31 | 2282 | 7.72 | 7000 | 25000 | 17 | 2300 | 4.32 | 7000 | 25000 | 72 |
| TH60 2 | 32.1 | 28 | 2287 | 6.93 | 7000 | 25000 | 16 | 2300 | 3.87 | 7000 | 25000 | 72 |
| TH60 3 | 36.6 | 25 | 2300 | 6.11 | 7000 | 25000 | 14 | 2300 | 3.39 | 7000 | 25000 | 72 |
| TH60 3 | 39.5 | 23 | 2300 | 5.66 | 7000 | 25000 | 13 | 2300 | 3.14 | 7000 | 25000 | 72 |
| TH60 3 | 46.4 | 19 | 2300 | 4.82 | 7000 | 25000 | 11 | 2300 | 2.68 | 7000 | 25000 | 72 |
| TH60 3 | 58.8 | 15 | 2300 | 3.80 | 7000 | 25000 | 9 | 2300 | 2.11 | 7000 | 25000 | 72 |
| TH60 3 | 68.1 | 13 | 2300 | 3.28 | 7000 | 25000 | 7 | 2300 | 1.82 | 7000 | 25000 | 72 |
| TH60 3 | 80.1 | 11 | 2300 | 2.79 | 7000 | 25000 | 6 | 2300 | 1.55 | 7000 | 25000 | 72 |
| TH60 3 | 87.5 | 10 | 2300 | 2.55 | 7000 | 25000 | 6 | 2300 | 1.42 | 7000 | 25000 | 72 |
| TH60 3 | 96.1 | 9 | 2300 | 2.33 | 7000 | 25000 | 5 | 2300 | 1.29 | 7000 | 25000 | 72 |
| TH60 3 | 106.5 | 8 | 2300 | 2.10 | 7000 | 25000 | 5 | 2300 | 1.17 | 7000 | 25000 | 72 |
| TH60 3 | 115.8 | 8 | 2300 | 1.93 | 7000 | 25000 | 4 | 2300 | 1.07 | 7000 | 25000 | 72 |
| TH60 3 | 126.4 | 7 | 2300 | 1.77 | 7000 | 25000 | 4 | 2300 | 0.98 | 7000 | 25000 | 72 |
| TH60 3 | 138.8 | 6 | 2300 | 1.61 | 7000 | 25000 | 4 | 2300 | 0.89 | 7000 | 25000 | 72 |
| TH60 3 | 153.5 | 6 | 2300 | 1.46 | 7000 | 25000 | 3 | 2300 | 0.81 | 7000 | 25000 | 72 |
| TH60 3 | 171.2 | 5 | 2300 | 1.31 | 7000 | 25000 | 3 | 2300 | 0.73 | 7000 | 25000 | 72 |

TH..ISS.. Performance Parameter

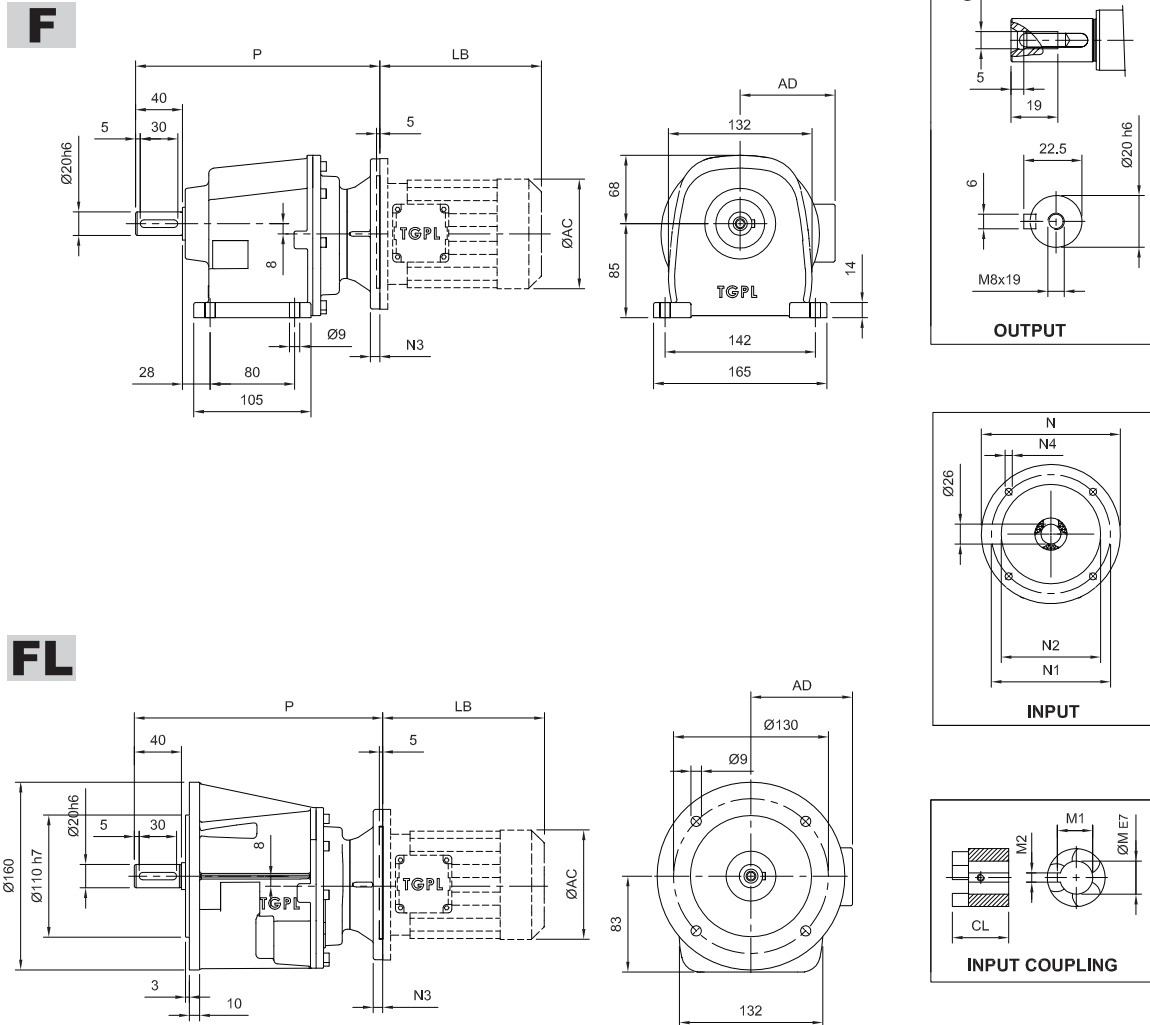
| TH 80 | | 4200 Nm | | | | | | | | | | |
|---|-------|----------------------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------------------|-----------------------|-----------------------|----------------------|----------------------|---|
|  | i | n₁=2800[r/min] | | | | | n₁=1400[r/min] | | | | |  |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH80 2 | 4.5 | 616 | 2071 | 137.75 | 1900 | 12400 | 308 | 2713 | 90.25 | 2100 | 14200 | 74 |
| TH80 2 | 5.8 | 483 | 2332 | 121.60 | 1920 | 12600 | 241 | 3097 | 80.75 | 2680 | 16300 | 74 |
| TH80 2 | 7.0 | 398 | 2566 | 110.20 | 1980 | 13200 | 199 | 3539 | 76.00 | 3550 | 16800 | 74 |
| TH80 2 | 8.7 | 323 | 2997 | 104.50 | 2050 | 13500 | 161 | 3596 | 62.70 | 4250 | 17600 | 74 |
| TH80 2 | 10.1 | 278 | 3103 | 93.10 | 2100 | 15800 | 139 | 3483 | 52.25 | 5100 | 19200 | 74 |
| TH80 2 | 11.9 | 236 | 3354 | 85.50 | 2200 | 16100 | 118 | 3727 | 47.50 | 5300 | 20400 | 74 |
| TH80 2 | 13.2 | 213 | 3350 | 76.95 | 2200 | 16800 | 106 | 3474 | 39.90 | 5500 | 22100 | 74 |
| TH80 2 | 15.3 | 183 | 3605 | 71.25 | 2300 | 17600 | 92 | 3749 | 37.05 | 6000 | 23600 | 74 |
| TH80 2 | 18.0 | 156 | 3734 | 62.70 | 2300 | 18500 | 78 | 3847 | 32.30 | 6000 | 22800 | 74 |
| TH80 2 | 20.3 | 138 | 3770 | 56.05 | 2450 | 19100 | 69 | 3962 | 29.45 | 6200 | 24100 | 74 |
| TH80 2 | 22.1 | 126 | 3827 | 52.25 | 2450 | 19500 | 63 | 3897 | 26.60 | 6350 | 25500 | 74 |
| TH80 2 | 24.2 | 116 | 3884 | 48.45 | 2450 | 19900 | 58 | 3960 | 24.70 | 6700 | 27500 | 74 |
| TH80 2 | 26.7 | 105 | 3939 | 44.65 | 2800 | 20300 | 52 | 4023 | 22.80 | 6860 | 28200 | 74 |
| TH80 2 | 29.6 | 95 | 4178 | 42.75 | 2900 | 21400 | 47 | 4086 | 20.90 | 6950 | 29000 | 74 |
| TH80 2 | 33.0 | 85 | 4200 | 38.47 | 3000 | 21600 | 42 | 4148 | 19.00 | 6950 | 30000 | 74 |
| TH80 3 | 35.7 | 78 | 4200 | 35.53 | 4500 | 23500 | 39 | 4200 | 17.77 | 7000 | 31000 | 74 |
| TH80 3 | 44.0 | 64 | 4200 | 28.85 | 5700 | 24800 | 32 | 4200 | 14.42 | 7000 | 31000 | 74 |
| TH80 3 | 51.2 | 55 | 4200 | 24.82 | 5850 | 26400 | 27 | 4200 | 12.41 | 7000 | 31000 | 74 |
| TH80 3 | 60.2 | 47 | 4200 | 21.09 | 5850 | 29200 | 23 | 4200 | 10.54 | 7000 | 31000 | 74 |
| TH80 3 | 66.8 | 42 | 4200 | 19.01 | 5850 | 31000 | 21 | 4200 | 9.50 | 7000 | 31000 | 74 |
| TH80 3 | 77.7 | 36 | 4200 | 16.35 | 5850 | 31000 | 18 | 4200 | 8.18 | 7000 | 31000 | 74 |
| TH80 3 | 91.4 | 31 | 4200 | 13.89 | 5850 | 31000 | 15 | 4200 | 6.95 | 7000 | 31000 | 74 |
| TH80 3 | 104.9 | 27 | 4200 | 12.10 | 5850 | 31000 | 13 | 4200 | 6.05 | 7000 | 31000 | 74 |
| TH80 3 | 114.2 | 25 | 4200 | 11.11 | 5850 | 31000 | 12 | 4200 | 5.56 | 7000 | 31000 | 74 |
| TH80 3 | 125.0 | 22 | 4200 | 10.16 | 5850 | 31000 | 11 | 4200 | 5.08 | 7000 | 31000 | 74 |
| TH80 3 | 137.5 | 20 | 4200 | 9.23 | 5850 | 31000 | 10 | 4200 | 4.62 | 7000 | 31000 | 74 |
| TH80 3 | 152.3 | 18 | 4200 | 8.34 | 5850 | 31000 | 9 | 4200 | 4.17 | 7000 | 31000 | 74 |
| TH80 3 | 170.1 | 16 | 4200 | 7.46 | 5850 | 31000 | 8 | 4200 | 3.73 | 7000 | 31000 | 74 |

TH..ISS.. Performance Parameter

| TH 80 | | 4200 Nm | | | | | | | | | | |
|---|-------|---------------------------------|-----------------------|-----------------------|----------------------|----------------------|---------------------------------|-----------------------|-----------------------|----------------------|----------------------|---|
|  | i | n₁=900[r/min] | | | | | n₁=500[r/min] | | | | |  |
| | | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | n ₂ [r/min] | Mn ₂ Nm | Pn ₁ kW | Fr ₁ N | Fr ₂ N | |
| TH80 2 | 4.5 | 198 | 3598 | 76.95 | 1560 | 14500 | 110 | 4200 | 49.90 | 5500 | 19800 | 74 |
| TH80 2 | 5.8 | 155 | 3911 | 65.55 | 1650 | 14800 | 86 | 4200 | 39.10 | 5650 | 21600 | 74 |
| TH80 2 | 7.0 | 128 | 4200 | 57.99 | 1710 | 15500 | 71 | 4200 | 32.22 | 5760 | 26800 | 74 |
| TH80 2 | 8.7 | 104 | 4200 | 47.07 | 1760 | 16200 | 58 | 4200 | 26.15 | 5950 | 31000 | 74 |
| TH80 2 | 10.1 | 89 | 4200 | 40.50 | 1810 | 19800 | 50 | 4200 | 22.50 | 6320 | 31000 | 74 |
| TH80 2 | 11.9 | 76 | 4200 | 34.41 | 2460 | 21200 | 42 | 4200 | 19.12 | 6850 | 31000 | 74 |
| TH80 2 | 13.2 | 68 | 3731 | 27.55 | 3250 | 24600 | 38 | 4200 | 17.23 | 7000 | 31000 | 74 |
| TH80 2 | 15.3 | 59 | 3738 | 23.75 | 4360 | 26700 | 33 | 4200 | 14.82 | 7000 | 31000 | 74 |
| TH80 2 | 18.0 | 50 | 4048 | 21.85 | 5960 | 27800 | 28 | 4200 | 12.60 | 7000 | 31000 | 74 |
| TH80 2 | 20.3 | 44 | 4175 | 19.95 | 6350 | 29500 | 25 | 4200 | 11.15 | 7000 | 31000 | 74 |
| TH80 2 | 22.1 | 41 | 4200 | 18.43 | 7000 | 31000 | 23 | 4200 | 10.24 | 7000 | 31000 | 74 |
| TH80 2 | 24.2 | 37 | 4200 | 16.84 | 7000 | 31000 | 21 | 4200 | 9.36 | 7000 | 31000 | 74 |
| TH80 2 | 26.7 | 34 | 4200 | 15.30 | 7000 | 31000 | 19 | 4200 | 8.50 | 7000 | 31000 | 74 |
| TH80 2 | 29.6 | 30 | 4200 | 13.81 | 7000 | 31000 | 17 | 4200 | 7.67 | 7000 | 31000 | 74 |
| TH80 2 | 33.0 | 27 | 4200 | 12.37 | 7000 | 31000 | 15 | 4200 | 6.87 | 7000 | 31000 | 74 |
| TH80 3 | 35.7 | 25 | 4200 | 11.42 | 7000 | 31000 | 14 | 4200 | 6.35 | 7000 | 31000 | 74 |
| TH80 3 | 44.0 | 20 | 4200 | 9.27 | 7000 | 31000 | 11 | 4200 | 5.15 | 7000 | 31000 | 74 |
| TH80 3 | 51.2 | 18 | 4200 | 7.98 | 7000 | 31000 | 10 | 4200 | 4.43 | 7000 | 31000 | 74 |
| TH80 3 | 60.2 | 15 | 4200 | 6.78 | 7000 | 31000 | 8 | 4200 | 3.77 | 7000 | 31000 | 74 |
| TH80 3 | 66.8 | 13 | 4200 | 6.11 | 7000 | 31000 | 7 | 4200 | 3.39 | 7000 | 31000 | 74 |
| TH80 3 | 77.7 | 12 | 4200 | 5.26 | 7000 | 31000 | 6 | 4200 | 2.92 | 7000 | 31000 | 74 |
| TH80 3 | 91.4 | 10 | 4200 | 4.47 | 7000 | 31000 | 5 | 4200 | 2.48 | 7000 | 31000 | 74 |
| TH80 3 | 104.9 | 9 | 4200 | 3.89 | 7000 | 31000 | 5 | 4200 | 2.16 | 7000 | 31000 | 74 |
| TH80 3 | 114.2 | 8 | 4200 | 3.57 | 7000 | 31000 | 4 | 4200 | 1.98 | 7000 | 31000 | 74 |
| TH80 3 | 125.0 | 7 | 4200 | 3.27 | 7000 | 31000 | 4 | 4200 | 1.81 | 7000 | 31000 | 74 |
| TH80 3 | 137.5 | 7 | 4200 | 2.97 | 7000 | 31000 | 4 | 4200 | 1.65 | 7000 | 31000 | 74 |
| TH80 3 | 152.3 | 6 | 4200 | 2.68 | 7000 | 31000 | 3 | 4200 | 1.49 | 7000 | 31000 | 74 |
| TH80 3 | 170.1 | 5 | 4200 | 2.40 | 7000 | 31000 | 3 | 4200 | 1.33 | 7000 | 31000 | 74 |

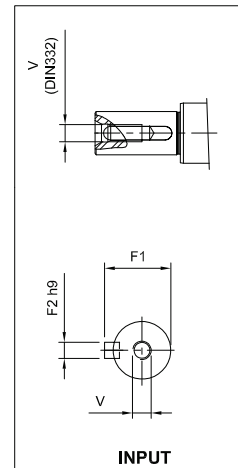
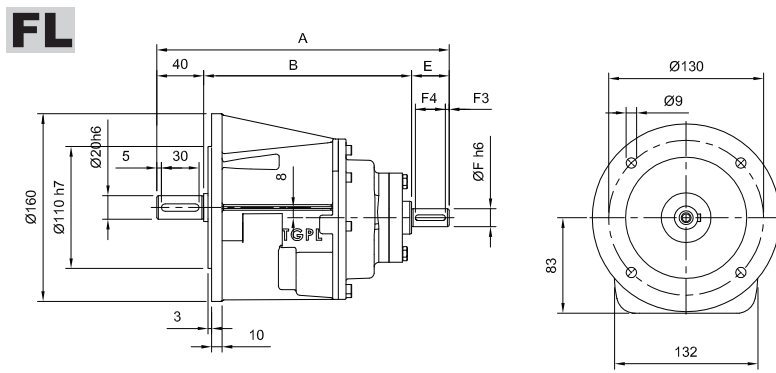
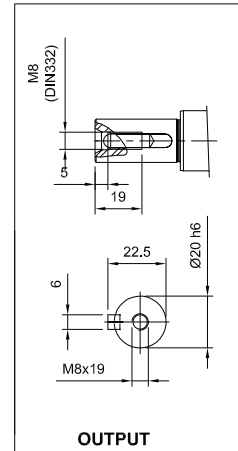
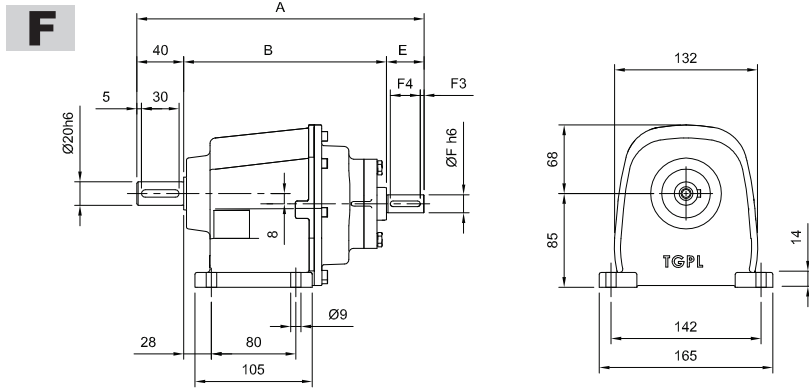
14. OUT LINE DIMENSIONS

TH20 - - - IEC



| Motor Type | IEC | M | M1 | M2 | CL | N | N1 | N2 | N3 | N4 | P | Kg | | TM | TM - DCB | | | | | |
|------------|------|----|------|----|------|-----|-----|-----|----|----|-----|------|------|-------|----------|-----|-----|-----|-----|-----|
| | | | | | | | | | | | | TM | DCB | | LB | AC | AD | | | |
| TH20-2 | F63 | 11 | 12.8 | 4 | 23.7 | 140 | 115 | 95 | 10 | 9 | 234 | 10.5 | 11.2 | TM63 | 184 | 120 | 98 | 247 | 120 | 100 |
| TH20-2 | F71 | 14 | 16.3 | 5 | 26.7 | 160 | 130 | 110 | 10 | 9 | 237 | 10.7 | 11.4 | TM71 | 200 | 139 | 109 | 258 | 140 | 112 |
| TH20-2 | F80 | 19 | 21.8 | 6 | 36.7 | 200 | 165 | 130 | 12 | 12 | 247 | 10.9 | 11.6 | TM80 | 224 | 156 | 131 | 290 | 156 | 133 |
| TH20-2 | F90S | 24 | 27.3 | 8 | 36.7 | 200 | 165 | 130 | 12 | 12 | 247 | 11.0 | 11.7 | TM90S | 242 | 172 | 136 | 315 | 172 | 136 |
| TH20-2 | F90L | 24 | 27.3 | 8 | 36.7 | 200 | 165 | 130 | 12 | 12 | 247 | 11.0 | 11.7 | TM90L | 265 | 172 | 136 | 336 | 172 | 136 |
| Motor Type | IEC | M | M1 | M2 | CL | N | N1 | N2 | N3 | N4 | P | Kg | | TM | TM - DCB | | | | | |
| TM | DCB | LB | AC | AD | | | | | | | | | | | | | | | | |
| TH20-3 | F63 | 11 | 12.8 | 4 | 23.7 | 140 | 115 | 95 | 10 | 9 | 248 | 11.2 | 11.9 | TM63 | 184 | 120 | 98 | 247 | 120 | 100 |
| TH20-3 | F71 | 14 | 16.3 | 5 | 26.7 | 160 | 130 | 110 | 10 | 9 | 251 | 11.4 | 12.0 | TM71 | 200 | 139 | 109 | 258 | 140 | 112 |

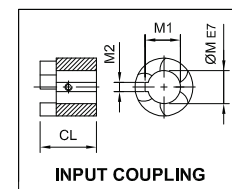
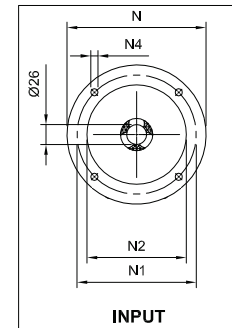
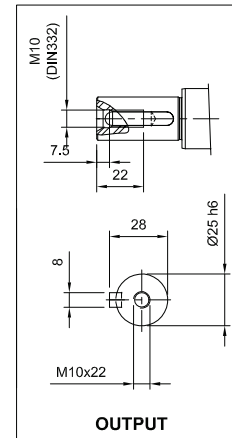
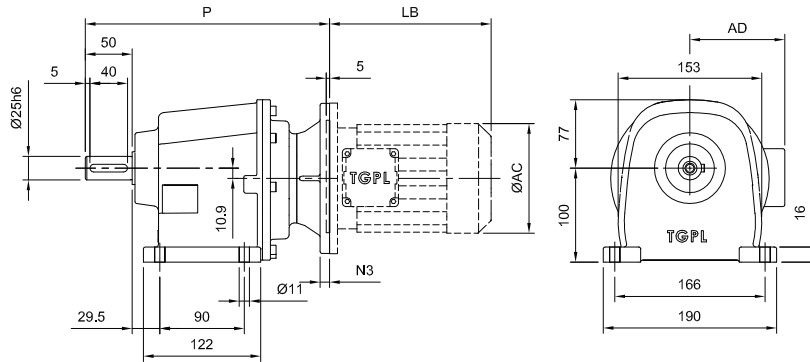
TH20 - - - ISS



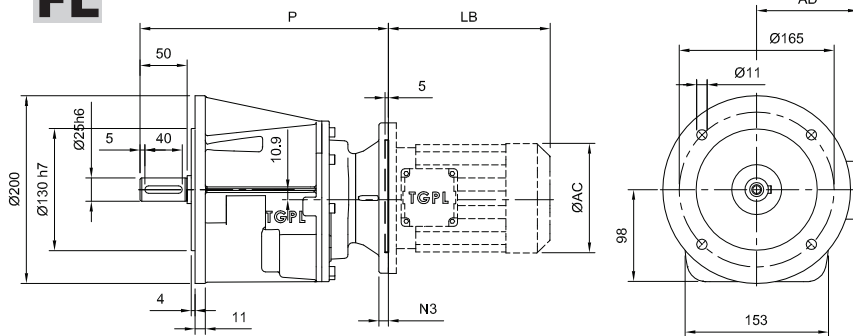
| | | A | B | E | F | F1 | F2 | F3 | F4 | V | $\frac{Kg}{kg}$ | | |
|--|---------------|------------|-----|-----|----|----|------|----|----|----|-----------------|------|------|
| | TH20-2 | ISS | 266 | 186 | 40 | 19 | 21.5 | 6 | 5 | 30 | M6x16 | 10.5 | 11.2 |
| | TH20-3 | ISS | 280 | 200 | 40 | 16 | 18 | 5 | 5 | 30 | M6x16 | 11.2 | 11.9 |

TH25 - - - IEC

F

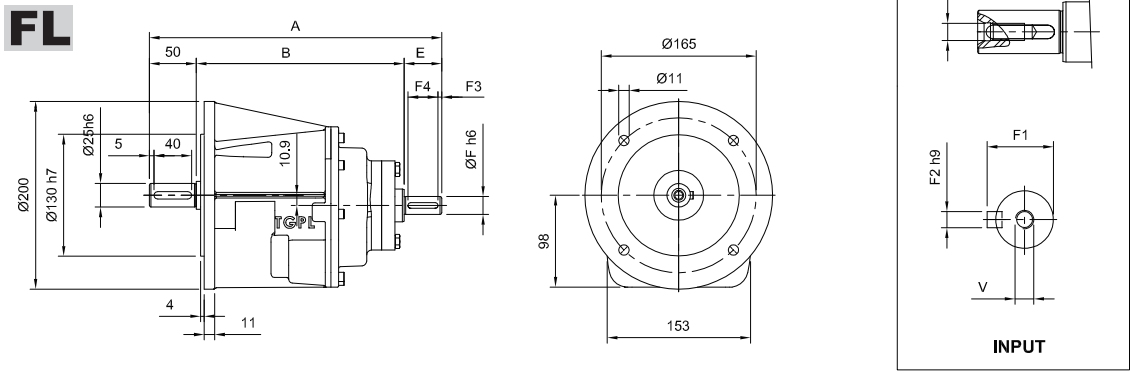
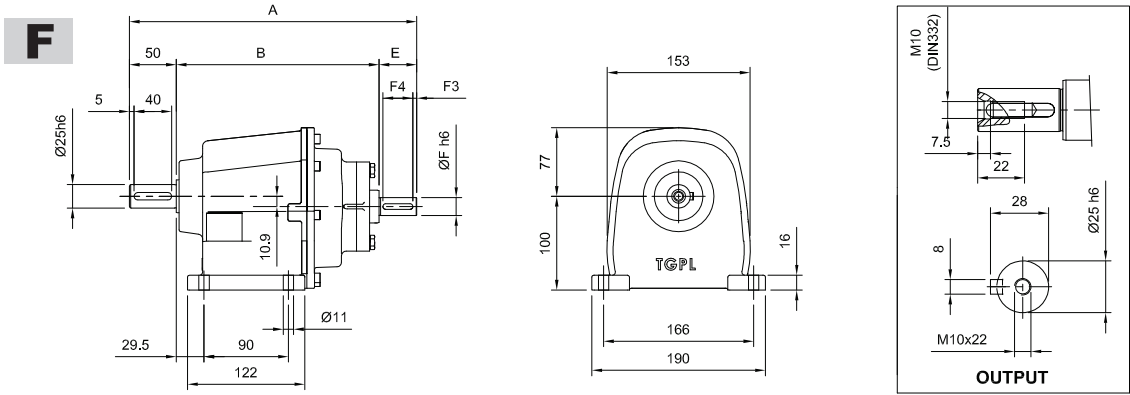


FL



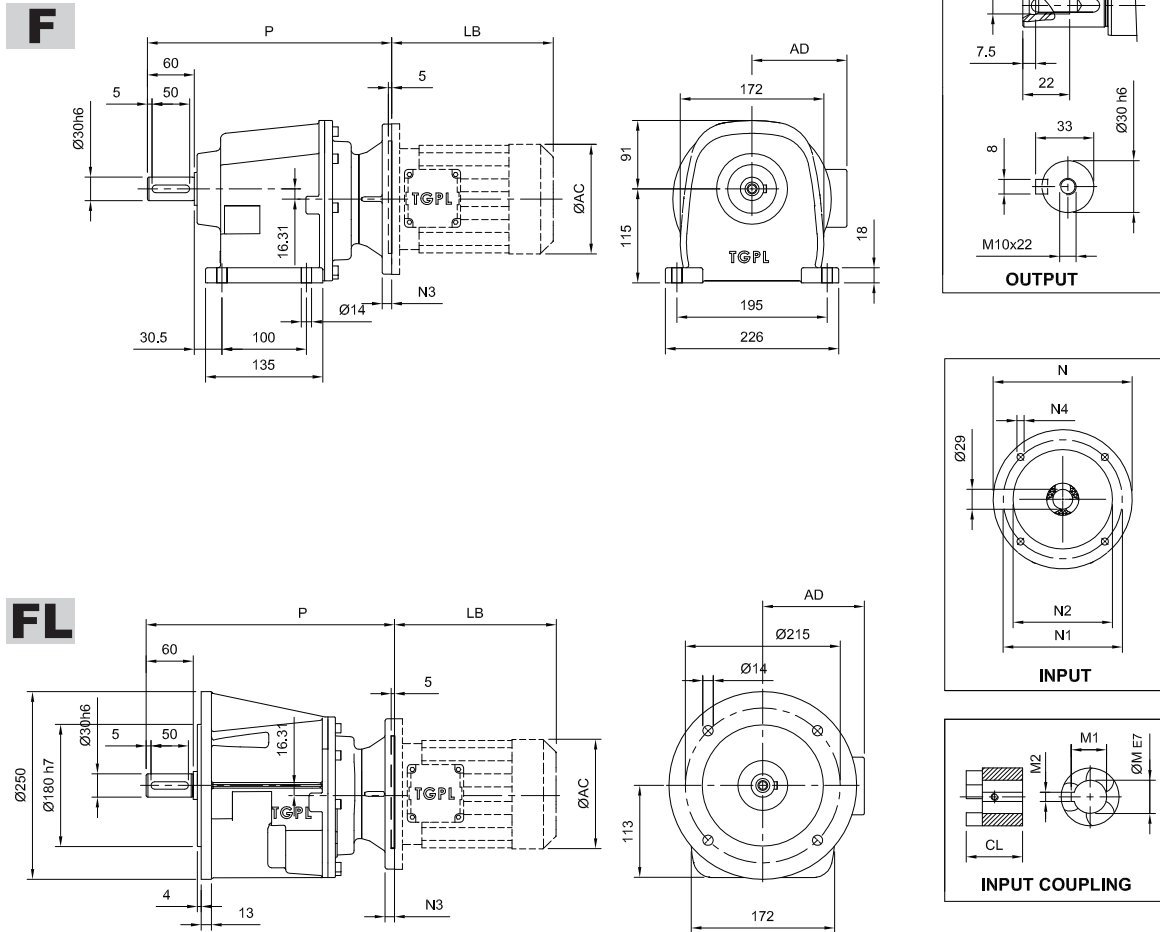
| Motor Type | IEC | M | M1 | M2 | CL | N | N1 | N2 | N3 | N4 | P | kg | | Motor Type | TM | | | TM - DCB | | |
|------------|------|----|------|----|------|-----|-----|-----|----|----|-----|------|------|------------|------|-----|-----|----------|-----|-----|
| | | | | | | | | | | | | LB | AC | | AD | LB | AC | AD | | |
| TH25-2 | F63 | 11 | 12.8 | 4 | 23.7 | 140 | 115 | 95 | 10 | 9 | 257 | 14.2 | 15.7 | TM63 | 184 | 120 | 98 | 247 | 120 | 100 |
| TH25-2 | F71 | 14 | 16.3 | 5 | 26.7 | 160 | 130 | 110 | 10 | 9 | 260 | 14.3 | 15.8 | TM71 | 200 | 139 | 109 | 258 | 140 | 112 |
| TH25-2 | F80 | 19 | 21.8 | 6 | 36.7 | 200 | 165 | 130 | 12 | 12 | 270 | 14.5 | 16.0 | TM80 | 224 | 156 | 131 | 290 | 156 | 133 |
| TH25-2 | F90S | 24 | 27.3 | 8 | 36.7 | 200 | 165 | 130 | 12 | 12 | 270 | 14.6 | 16.1 | TM90S | 224 | 172 | 136 | 315 | 172 | 136 |
| TH25-2 | F90L | 24 | 27.3 | 8 | 36.7 | 200 | 165 | 130 | 12 | 12 | 270 | 14.6 | 16.1 | TM90L | 265 | 172 | 136 | 336 | 172 | 136 |
| Motor Type | IEC | M | M1 | M2 | CL | N | N1 | N2 | N3 | N4 | P | kg | | Motor Type | TM | | | TM - DCB | | |
| TH25-3 | F63 | 11 | 12.8 | 4 | 23.7 | 140 | 115 | 95 | 10 | 9 | 274 | 15.5 | 17.1 | | TM63 | 184 | 120 | 98 | 247 | 120 |
| TH25-3 | F71 | 14 | 16.3 | 5 | 26.7 | 160 | 130 | 110 | 10 | 9 | 277 | 15.6 | 17.2 | TM71 | 200 | 139 | 109 | 258 | 140 | 112 |
| TH25-3 | F80 | 19 | 21.8 | 6 | 36.7 | 200 | 165 | 130 | 12 | 12 | 287 | 15.8 | 17.4 | TM80 | 224 | 156 | 131 | 290 | 156 | 133 |

TH25 - - - ISS



| | | A | B | E | F | F1 | F2 | F3 | F4 | V | | | |
|--|---------------|------------|-----|-----|----|----|------|----|----|----|-------|------|------|
| | TH25-2 | ISS | 289 | 199 | 40 | 19 | 21.5 | 6 | 5 | 30 | M6x16 | 14.2 | 16.7 |
| | TH25-3 | ISS | 306 | 216 | 40 | 16 | 18 | 5 | 5 | 30 | M6x16 | 15.5 | 17.1 |

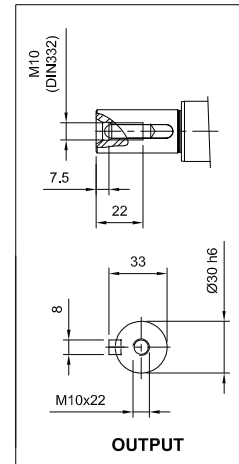
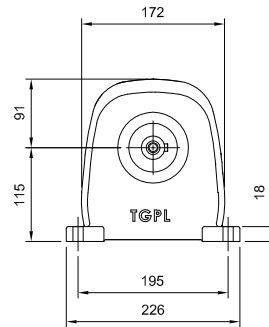
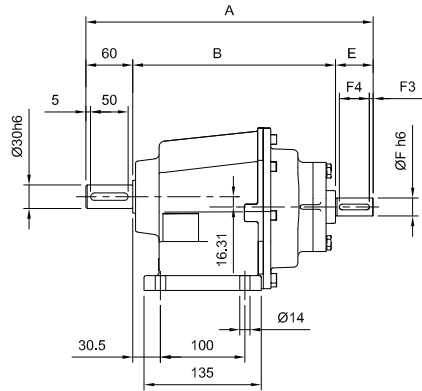
TH30 - - - IEC



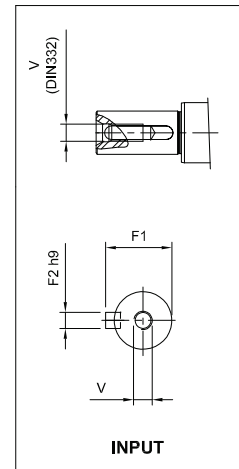
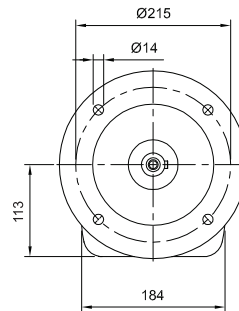
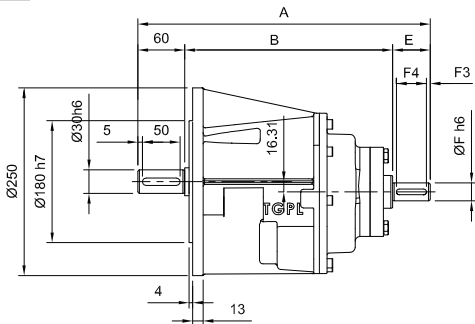
| Motor Type | IEC | M | M1 | M2 | CL | N | N1 | N2 | N3 | N4 | P | K _G | Motor Type | TM | | | TM - DCB | | | |
|------------|------|----|------|----|------|-----|-----|-----|----|----|-----|----------------|------------|-------|-----|-----|----------|-----|-----|-----|
| | | | | | | | | | | | | | | LB | AC | AD | LB | AC | AD | |
| TH30-2 | F71 | 14 | 16.3 | 5 | 26.7 | 160 | 130 | 110 | 10 | 9 | 289 | 21.0 | 22.0 | TM71 | 200 | 139 | 109 | 258 | 140 | 112 |
| TH30-2 | F80 | 19 | 21.8 | 6 | 36.7 | 200 | 165 | 130 | 12 | 12 | 299 | 21.3 | 22.3 | TM80 | 224 | 156 | 131 | 290 | 156 | 133 |
| TH30-2 | F90S | 24 | 27.3 | 8 | 36.7 | 200 | 165 | 130 | 12 | 12 | 299 | 21.4 | 22.4 | TM90S | 242 | 172 | 136 | 315 | 172 | 136 |
| TH30-2 | F90L | 24 | 27.3 | 8 | 36.7 | 200 | 165 | 130 | 12 | 12 | 299 | 21.4 | 22.4 | TM90L | 265 | 172 | 136 | 336 | 172 | 136 |
| TH30-2 | F100 | 28 | 31.3 | 8 | 43.7 | 250 | 215 | 180 | 14 | 15 | 308 | 22.1 | 23.1 | TM100 | 297 | 196 | 145 | 387 | 198 | 146 |
| TH30-2 | F112 | 28 | 31.3 | 8 | 43.7 | 250 | 215 | 180 | 14 | 15 | 308 | 22.1 | 23.1 | TM112 | 316 | 216 | 154 | 395 | 217 | 156 |
| Motor Type | IEC | M | M1 | M2 | CL | N | N1 | N2 | N3 | N4 | P | K _G | Motor Type | TM | | | TM - DCB | | | |
| TH30-3 | F63 | 11 | 12.8 | 4 | 23.7 | 140 | 115 | 95 | 10 | 9 | 300 | 21.1 | 22.1 | TM63 | 184 | 120 | 98 | 247 | 120 | 100 |
| TH30-3 | F71 | 14 | 16.3 | 5 | 26.7 | 160 | 130 | 110 | 10 | 9 | 303 | 21.7 | 22.7 | TM71 | 200 | 139 | 109 | 258 | 140 | 112 |
| TH30-3 | F80 | 19 | 21.8 | 6 | 36.7 | 200 | 165 | 130 | 12 | 12 | 313 | 22.1 | 23.1 | TM80 | 224 | 156 | 131 | 290 | 156 | 133 |
| TH30-3 | F90S | 24 | 27.3 | 8 | 36.7 | 200 | 165 | 130 | 12 | 12 | 313 | 22.2 | 23.2 | TM90S | 242 | 172 | 136 | 315 | 172 | 136 |
| TH30-3 | F90L | 24 | 27.3 | 8 | 36.7 | 200 | 165 | 130 | 12 | 12 | 313 | 22.2 | 23.2 | TM90L | 265 | 172 | 136 | 336 | 172 | 136 |

TH30 - - - ISS

F



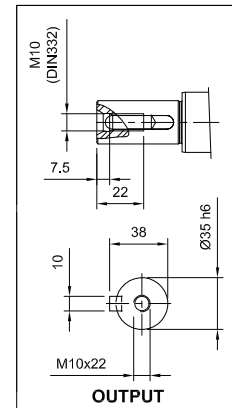
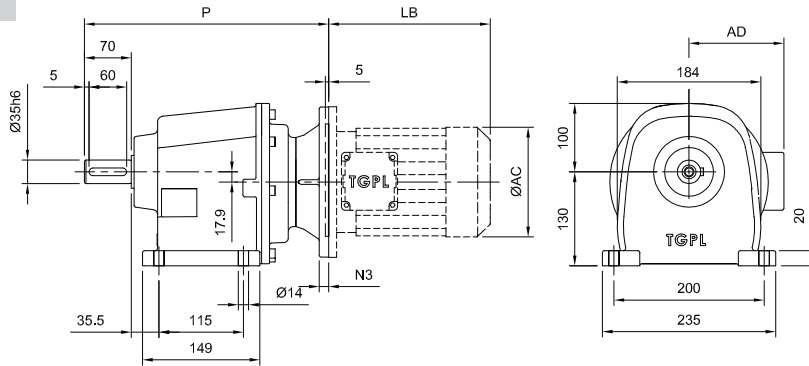
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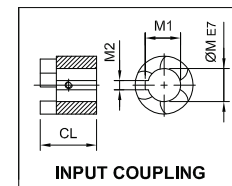
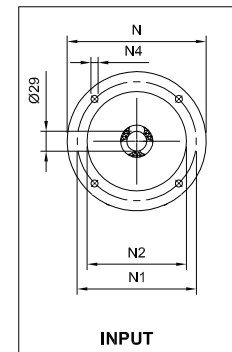
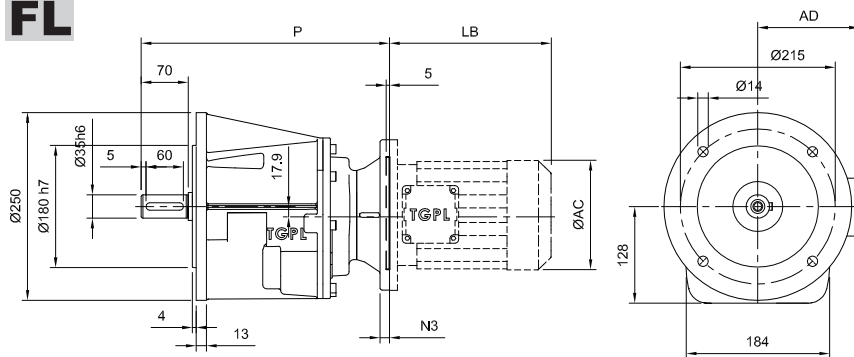
| | | A | B | E | F | F1 | F2 | F3 | F4 | V | Kg | | |
|--|---------------|------------|-----|-----|----|----|------|----|----|----|-------|------|------|
| | TH30-2 | ISS | 327 | 217 | 50 | 24 | 27 | 8 | 5 | 40 | M8x19 | 21.0 | 22.0 |
| | TH30-3 | ISS | 332 | 232 | 40 | 19 | 21.5 | 6 | 5 | 30 | M6x16 | 21.7 | 22.7 |

TH35 - - - IEC

F



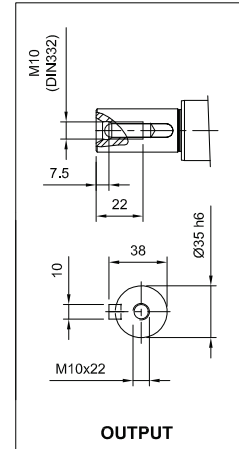
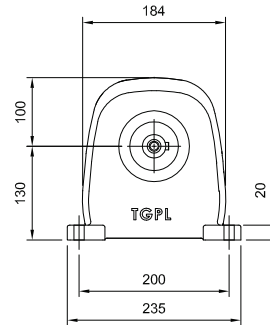
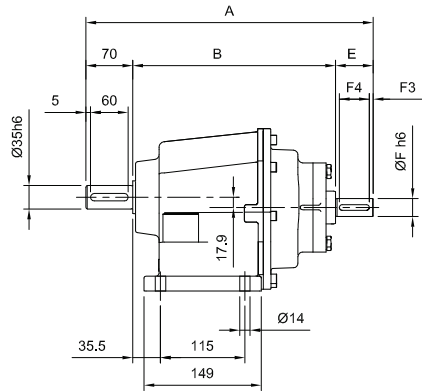
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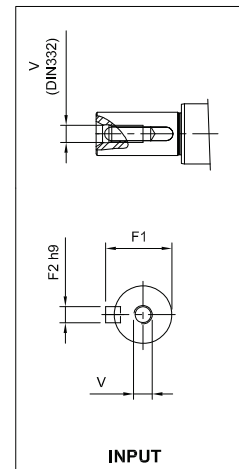
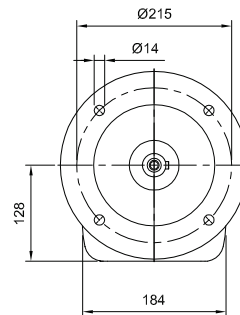
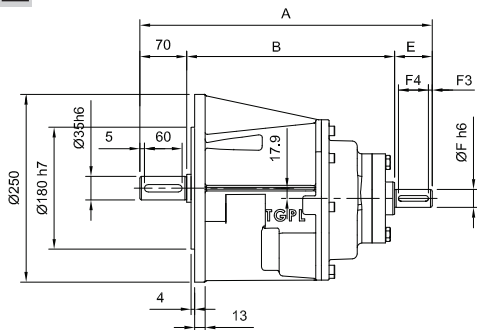
| Motor Type | IEC | M | M1 | M2 | CL | N | N1 | N2 | N3 | N4 | P | Kg | | Motor Type | TM | | | TM - DCB | | |
|------------|------|----|------|----|------|-----|-----|-----|----|----|-----|------|------|------------|-----|-----|-----|----------|-----|-----|
| | | | | | | | | | | | | TM | TM | | TM | TM | TM | TM | | |
| TH35-2 | F71 | 14 | 16.3 | 5 | 26.7 | 160 | 130 | 110 | 10 | 9 | 325 | 26.7 | 29.2 | TM71 | 200 | 139 | 109 | 258 | 140 | 112 |
| TH35-2 | F80 | 19 | 21.8 | 6 | 36.7 | 200 | 165 | 130 | 12 | 12 | 335 | 26.9 | 29.5 | TM80 | 224 | 156 | 131 | 290 | 156 | 133 |
| TH35-2 | F90S | 24 | 27.3 | 8 | 36.7 | 200 | 165 | 130 | 12 | 12 | 335 | 27.1 | 29.6 | TM90S | 242 | 172 | 136 | 315 | 172 | 136 |
| TH35-2 | F90L | 24 | 27.3 | 8 | 36.7 | 200 | 165 | 130 | 12 | 12 | 335 | 27.1 | 29.6 | TM90L | 265 | 172 | 136 | 336 | 172 | 136 |
| TH35-2 | F100 | 28 | 31.3 | 8 | 43.7 | 250 | 215 | 180 | 14 | 15 | 343 | 27.8 | 29.8 | TM100 | 297 | 196 | 145 | 387 | 198 | 146 |
| TH35-2 | F112 | 28 | 31.3 | 8 | 43.7 | 250 | 215 | 180 | 14 | 15 | 343 | 27.8 | 29.8 | TM112 | 316 | 216 | 154 | 395 | 217 | 156 |
| TH35-3 | F71 | 14 | 16.3 | 5 | 26.7 | 160 | 130 | 110 | 10 | 9 | 334 | 27.7 | 30.2 | TM71 | 200 | 139 | 109 | 258 | 140 | 112 |
| TH35-3 | F80 | 19 | 21.8 | 6 | 36.7 | 200 | 165 | 130 | 12 | 12 | 344 | 28.0 | 30.5 | TM80 | 224 | 156 | 131 | 290 | 156 | 133 |
| TH35-3 | F90S | 24 | 27.3 | 8 | 36.7 | 200 | 165 | 130 | 12 | 12 | 344 | 28.1 | 30.6 | TM90S | 242 | 172 | 136 | 305 | 172 | 136 |
| TH35-3 | F90L | 24 | 27.3 | 8 | 36.7 | 200 | 165 | 130 | 12 | 12 | 344 | 28.1 | 30.6 | TM90L | 265 | 172 | 136 | 336 | 172 | 136 |

TH35 - - - ISS

F

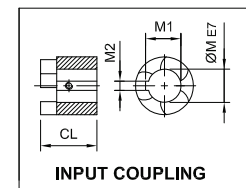
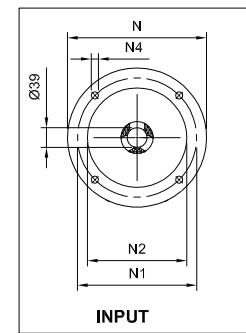
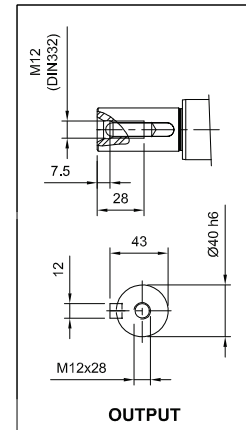
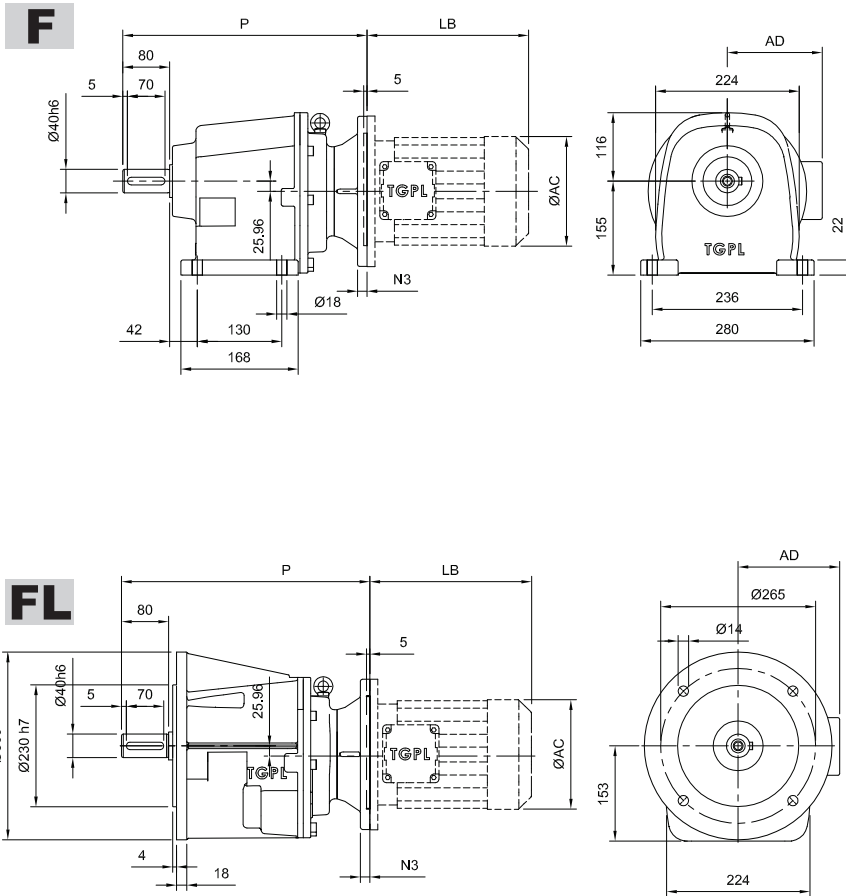


FL



| | | A | B | E | F | F1 | F2 | F3 | F4 | V | Kg | | |
|--|---------------|------------|-----|-----|----|----|----|----|----|----|-------|------|------|
| | TH35-2 | ISS | 363 | 243 | 50 | 24 | 27 | 8 | 5 | 40 | M8x19 | 26.7 | 29.2 |
| | TH35-3 | ISS | 372 | 252 | 50 | 24 | 27 | 8 | 5 | 40 | M8x19 | 27.7 | 30.2 |

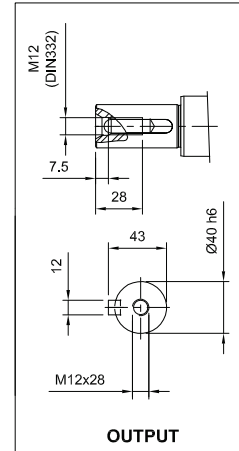
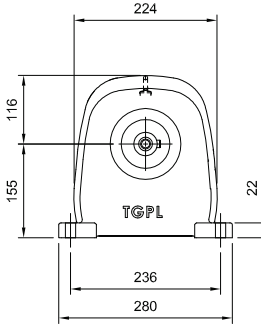
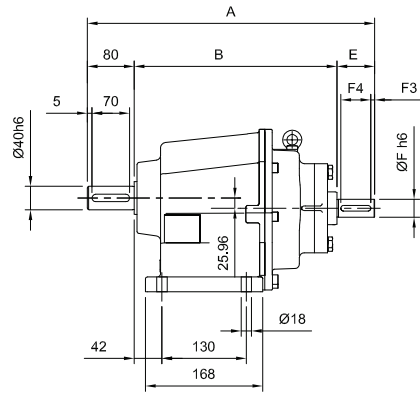
TH40 - - - IEC



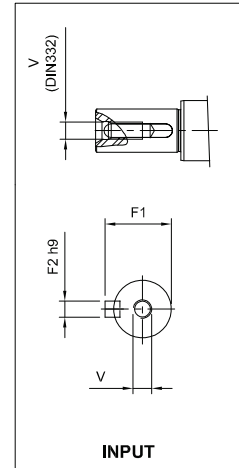
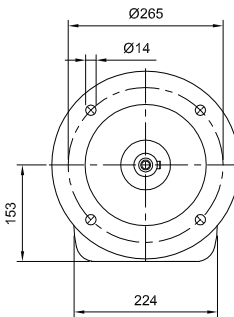
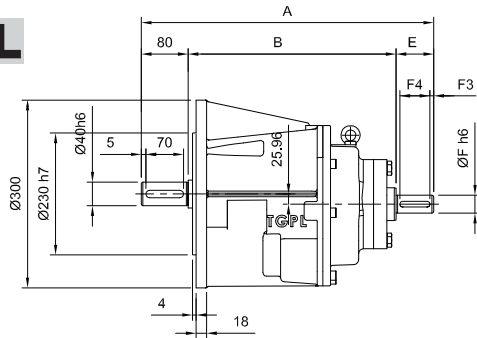
| Motor Type | IEC | M | M1 | M2 | CL | N | N1 | N2 | N3 | N4 | P | kg | | TM | TM | | | TM - DCB | | |
|------------|------|----|------|----|------|-----|-----|-----|----|----|-----|------|------|-------|-----|-----|-----|----------|-----|-----|
| | | | | | | | | | | | | LB | AC | | AD | LB | AC | AD | | |
| TH40-2 | F80 | 19 | 21.8 | 6 | 42.2 | 200 | 165 | 130 | 12 | 12 | 391 | 47.4 | 49.5 | TM80 | 224 | 156 | 131 | 290 | 156 | 133 |
| TH40-2 | F90S | 24 | 27.3 | 8 | 42.2 | 200 | 165 | 130 | 12 | 12 | 391 | 47.5 | 49.7 | TM90S | 242 | 172 | 136 | 315 | 172 | 136 |
| TH40-2 | F90L | 24 | 27.3 | 8 | 42.2 | 200 | 165 | 130 | 12 | 12 | 391 | 47.5 | 49.7 | TM90L | 265 | 172 | 136 | 336 | 172 | 136 |
| TH40-2 | F100 | 28 | 31.3 | 8 | 49.2 | 250 | 215 | 180 | 14 | 15 | 398 | 48.7 | 50.6 | TM100 | 297 | 196 | 145 | 387 | 198 | 146 |
| TH40-2 | F112 | 28 | 31.3 | 8 | 49.2 | 250 | 215 | 180 | 14 | 15 | 398 | 48.7 | 50.6 | TM112 | 316 | 216 | 154 | 395 | 217 | 156 |
| TH40-2 | F132 | 38 | 41.3 | 10 | 61.2 | 300 | 265 | 230 | 16 | 15 | 410 | 50.1 | 52.7 | TM132 | | | | | | |
| Motor Type | IEC | M | M1 | M2 | CL | N | N1 | N2 | N3 | N4 | P | kg | | TM | TM | | | TM - DCB | | |
| TH40-3 | F71 | 14 | 16.3 | 5 | 26.7 | 160 | 130 | 110 | 10 | 9 | 375 | 45.8 | 48.6 | TM71 | 200 | 139 | 109 | 258 | 140 | 112 |
| TH40-3 | F80 | 19 | 21.8 | 6 | 36.7 | 200 | 165 | 130 | 12 | 12 | 385 | 45.9 | 48.7 | TM80 | 224 | 156 | 131 | 290 | 156 | 133 |
| TH40-3 | F90S | 24 | 27.3 | 8 | 36.7 | 200 | 165 | 130 | 12 | 12 | 385 | 46.0 | 48.8 | TM90S | 242 | 172 | 136 | 315 | 172 | 136 |
| TH40-3 | F90L | 24 | 27.3 | 8 | 36.7 | 200 | 165 | 130 | 12 | 12 | 385 | 46.0 | 48.8 | TM90L | 265 | 172 | 136 | 336 | 172 | 136 |
| TH40-3 | F100 | 28 | 31.3 | 8 | 43.7 | 250 | 215 | 180 | 14 | 15 | 392 | 45.0 | 47.7 | TM100 | 297 | 196 | 145 | 387 | 198 | 146 |

TH40 - - - ISS

F



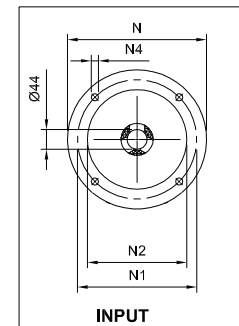
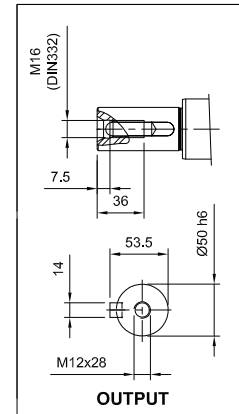
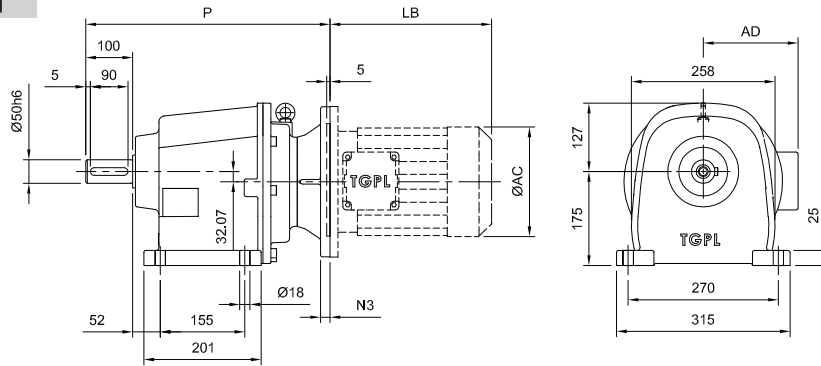
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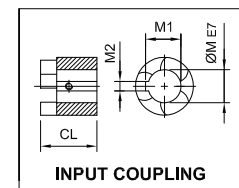
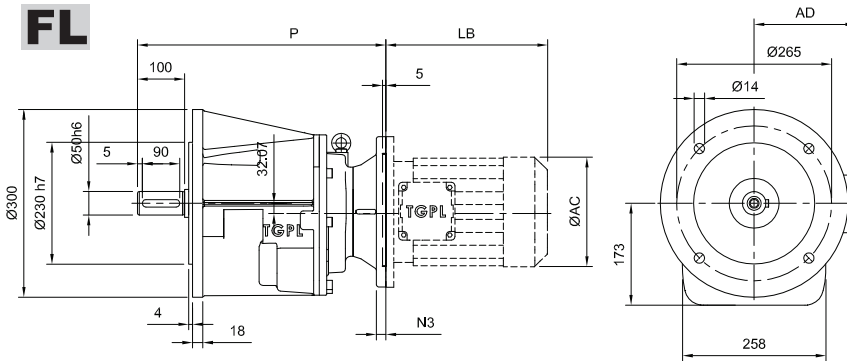
| | | A | B | E | F | F1 | F2 | F3 | F4 | V | Kg | | |
|--|---------------|------------|-----|-----|----|----|----|----|----|----|--------|------|------|
| | TH40-2 | ISS | 428 | 288 | 60 | 28 | 31 | 8 | 5 | 50 | M10X22 | 47.4 | 49.5 |
| | | A | B | E | F | F1 | F2 | F3 | F4 | V | Kg | | |
| | TH40-3 | ISS | 413 | 283 | 50 | 24 | 27 | 8 | 5 | 40 | M8x19 | 45.8 | 48.6 |

TH50 - - - IEC

F



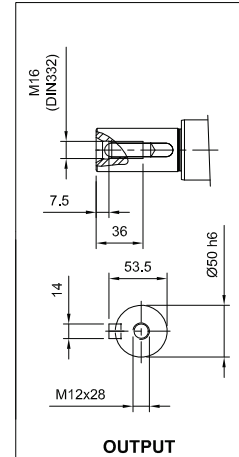
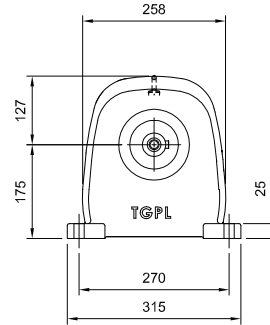
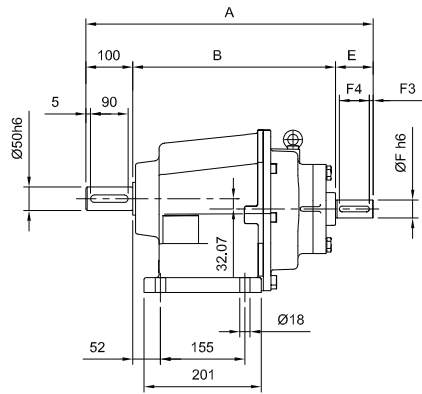
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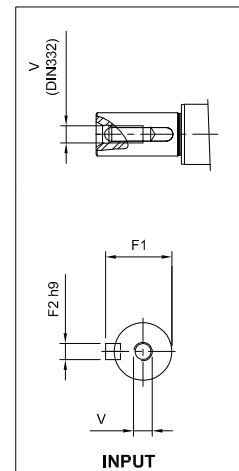
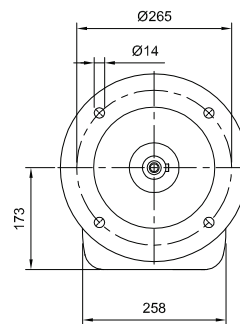
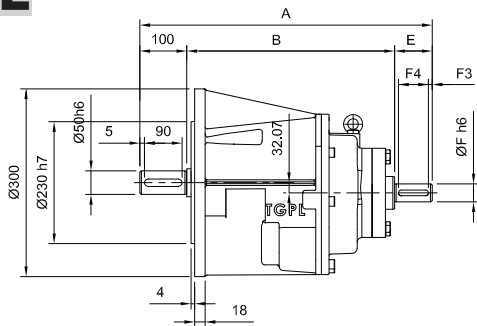
| Motor Type | IEC | M | M1 | M2 | CL | N | N1 | N2 | N3 | N4 | P | Kg | | Motor Type | TM | | | TM - DCB | | |
|------------|------|----|------|----|------|-----|-----|-----|----|----|-----|------|------|------------|-----|-----|-----|----------|-----|-----|
| | | | | | | | | | | | | LB | AC | | AD | LB | AC | AD | | |
| TH50-2 | F90S | 24 | 27.3 | 8 | 48.7 | 200 | 165 | 130 | 12 | 12 | 462 | 71.3 | 74.1 | TM90S | 242 | 172 | 136 | 315 | 172 | 136 |
| TH50-2 | F90L | 24 | 27.3 | 8 | 48.7 | 200 | 165 | 130 | 12 | 12 | 462 | 71.3 | 74.1 | TM90L | 265 | 172 | 136 | 336 | 172 | 136 |
| TH50-2 | F100 | 28 | 31.3 | 8 | 52.7 | 250 | 215 | 180 | 14 | 15 | 466 | 73.2 | 76.0 | TM100 | 297 | 196 | 145 | 387 | 198 | 146 |
| TH50-2 | F112 | 28 | 31.3 | 8 | 52.7 | 250 | 215 | 180 | 14 | 15 | 466 | 73.2 | 76.0 | TM112 | 316 | 216 | 154 | 395 | 217 | 156 |
| TH50-2 | F132 | 38 | 41.3 | 10 | 62.7 | 300 | 265 | 230 | 16 | 15 | 476 | 76.0 | 78.9 | TM132 | | | | | | |
| TH50-2 | F160 | 42 | 45.3 | 12 | 70.2 | 350 | 300 | 250 | 20 | 19 | 484 | 80.3 | 83.1 | TM160 | | | | | | |
| Motor Type | IEC | M | M1 | M2 | CL | N | N1 | N2 | N3 | N4 | P | Kg | | Motor Type | TM | | | TM - DCB | | |
| TH50-3 | F80 | 19 | 21.8 | 6 | 42.2 | 200 | 165 | 130 | 12 | 12 | 475 | 73.2 | 76.0 | TM80 | 224 | 156 | 131 | 290 | 156 | 133 |
| TH50-3 | F90S | 24 | 27.3 | 8 | 42.2 | 200 | 165 | 130 | 12 | 12 | 475 | 73.2 | 76.0 | TM90S | 242 | 172 | 136 | 315 | 172 | 136 |
| TH50-3 | F90L | 24 | 27.3 | 8 | 42.2 | 200 | 165 | 130 | 12 | 12 | 475 | 73.2 | 76.0 | TM90L | 265 | 172 | 136 | 336 | 172 | 136 |
| TH50-3 | F100 | 28 | 31.3 | 8 | 49.2 | 250 | 215 | 180 | 14 | 15 | 482 | 75.8 | 78.6 | TM100 | 297 | 196 | 145 | 387 | 198 | 146 |
| TH50-3 | F112 | 28 | 31.3 | 8 | 49.2 | 250 | 215 | 180 | 14 | 15 | 482 | 75.8 | 78.6 | TM112 | 316 | 216 | 154 | 395 | 217 | 156 |
| TH50-3 | F132 | 38 | 41.3 | 10 | 61.2 | 300 | 265 | 230 | 16 | 15 | 494 | 78.6 | 81.4 | TM132 | | | | | | |

TH50 - - - ISS

F



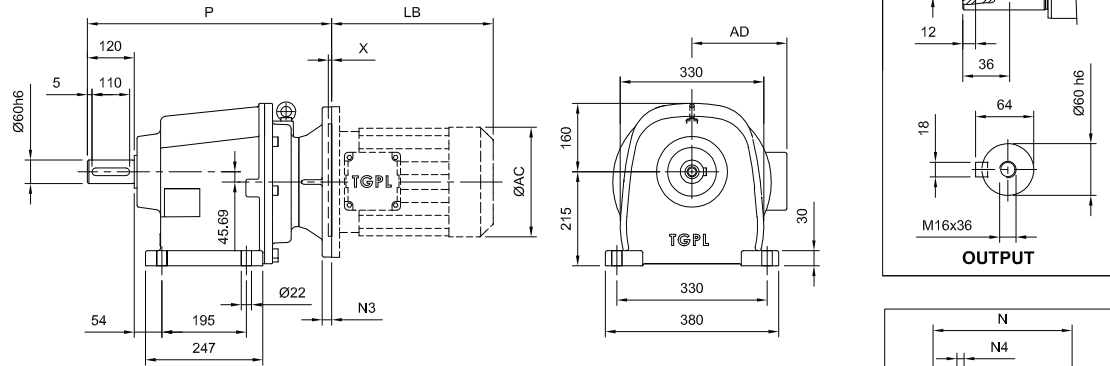
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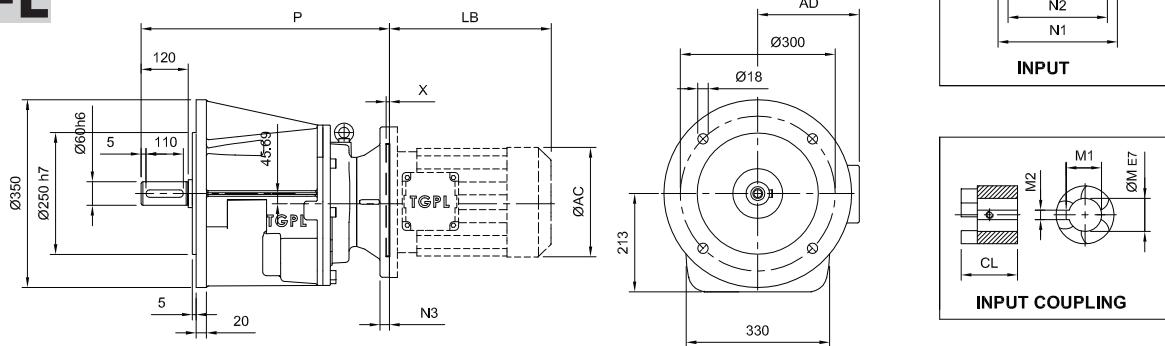
| | | A | B | E | F | F1 | F2 | F3 | F4 | V | Kg | | |
|--|---------------|------------|-----|-----|----|----|----|----|----|----|--------|------|------|
| | TH50-2 | ISS | 516 | 336 | 80 | 38 | 41 | 10 | 10 | 60 | M10X22 | 69.4 | 72.2 |
| | TH50-3 | ISS | 512 | 352 | 60 | 28 | 31 | 8 | 5 | 50 | M10x22 | 71.3 | 74.1 |

TH60 - - - IEC

F



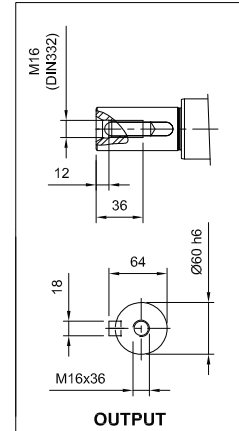
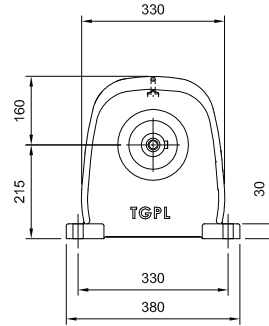
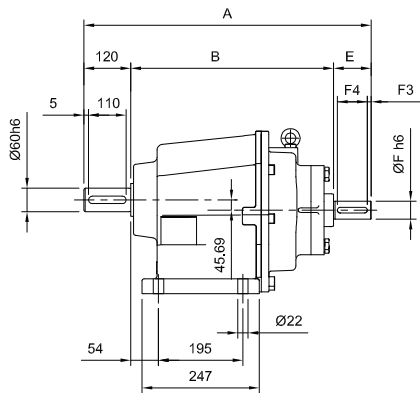
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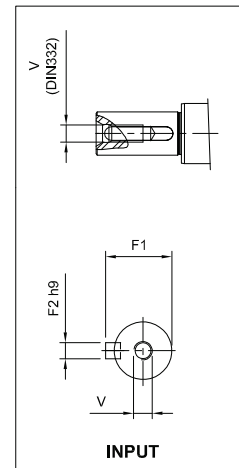
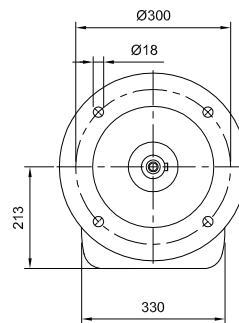
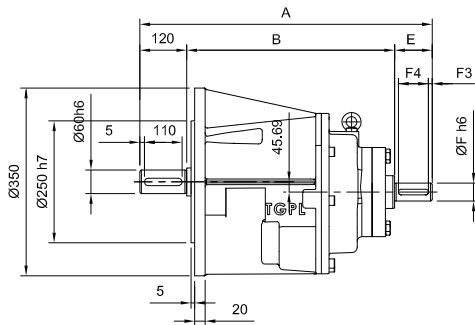
| Motor Type | IEC | M | M1 | M2 | CL | N | N1 | N2 | N3 | N4 | P | X | Kg | Motor Type | TM | | | TM - DCB | | | |
|------------|------|----|------|----|------|-----|-----|-----|----|----|-----|---|-------|------------|-------|-----|-----|----------|-----|-----|-----|
| | | | | | | | | | | | | | | | LB | AC | AD | LB | AC | AD | |
| TH60-2 | F100 | 28 | 31.3 | 8 | 52.7 | 250 | 215 | 180 | 14 | 15 | 535 | 5 | 122.1 | 122.5 | TM100 | 297 | 196 | 145 | 387 | 198 | 146 |
| TH60-2 | F112 | 28 | 31.3 | 8 | 52.7 | 250 | 215 | 180 | 14 | 15 | 535 | 5 | 122.1 | 122.5 | TM112 | 316 | 216 | 154 | 395 | 217 | 156 |
| TH60-2 | F132 | 38 | 41.3 | 10 | 62.7 | 300 | 265 | 230 | 16 | 15 | 545 | 5 | 122.6 | 122.6 | TM132 | | | | | | |
| TH60-2 | F160 | 42 | 45.3 | 12 | 70.2 | 350 | 300 | 250 | 20 | 19 | 553 | 5 | 126.4 | 126.4 | TM160 | | | | | | |
| TH60-2 | F180 | 48 | 51.8 | 14 | 70.2 | 350 | 300 | 250 | 20 | 19 | 553 | 6 | 126.4 | 126.4 | TM180 | | | | | | |
| TH60-3 | F90S | 24 | 27.3 | 8 | 48.7 | 200 | 165 | 130 | 12 | 12 | 552 | 5 | 115.9 | 115.9 | TM90S | 242 | 172 | 136 | 315 | 172 | 136 |
| TH60-3 | F90L | 24 | 27.3 | 8 | 48.7 | 200 | 165 | 130 | 12 | 12 | 552 | 5 | 115.9 | 115.9 | TM90L | 265 | 172 | 136 | 336 | 172 | 136 |
| TH60-3 | F100 | 28 | 31.3 | 8 | 52.7 | 250 | 215 | 180 | 14 | 15 | 556 | 5 | 117.8 | 117.8 | TM100 | 297 | 196 | 145 | 387 | 198 | 146 |
| TH60-3 | F112 | 28 | 31.3 | 8 | 52.7 | 250 | 215 | 180 | 14 | 15 | 556 | 5 | 117.8 | 117.8 | TM112 | 316 | 216 | 154 | 395 | 217 | 156 |
| TH60-3 | F132 | 38 | 41.3 | 10 | 62.7 | 300 | 265 | 230 | 16 | 15 | 566 | 5 | 122.6 | 122.6 | TM132 | | | | | | |
| TH60-3 | F160 | 42 | 45.3 | 12 | 70.2 | 350 | 300 | 250 | 20 | 19 | 574 | 5 | 126.4 | 126.4 | TM160 | | | | | | |

TH60 - - - ISS

F



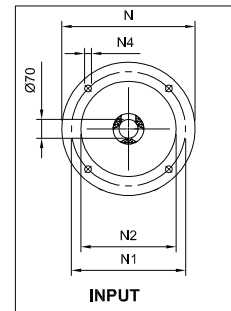
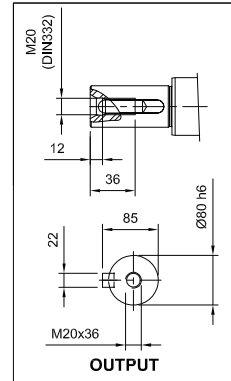
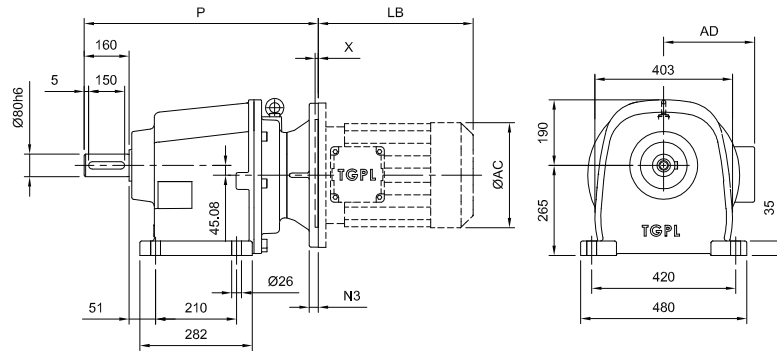
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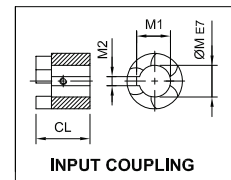
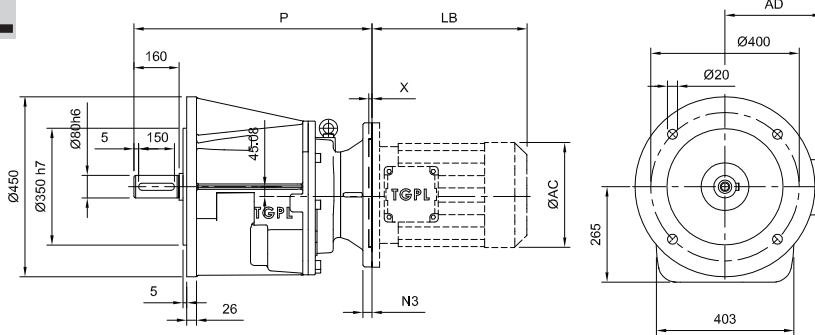
| | | A | B | E | F | F1 | F2 | F3 | F4 | V | Kg | | |
|--|---------------|------------|-----|-----|-----|----|----|----|----|----|--------|-------|-------|
| | TH60-2 | ISS | 616 | 386 | 110 | 42 | 45 | 12 | 10 | 90 | M12X28 | 120.7 | 120.7 |
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TH80 - - - IEC

F



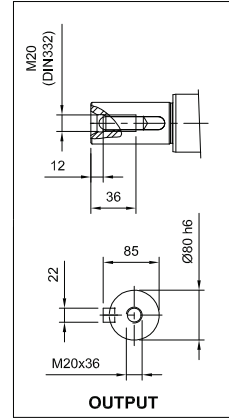
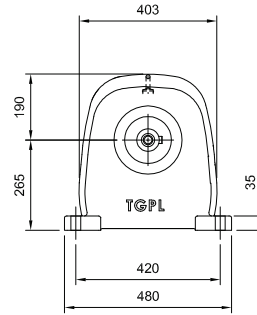
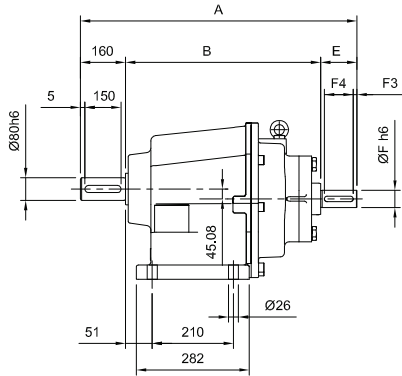
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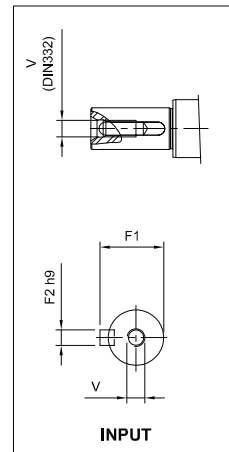
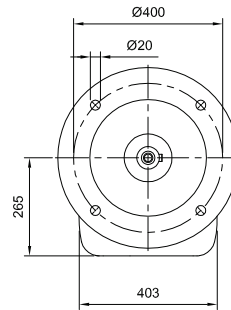
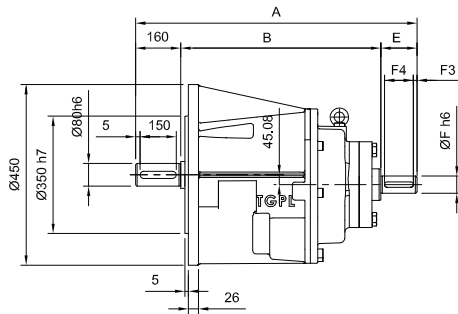
| Motor Type | IEC | M | M1 | M2 | CL | N | N1 | N2 | N3 | N4 | P | X | Kg | Motor Type | TM | | | TM - DCB | | | |
|------------|------|----|------|----|------|-----|-----|-----|----|----|-----|---|-------|------------|-------|-----|-----|----------|-----|-----|-----|
| | | | | | | | | | | | | | | | LB | AC | AD | LB | AC | AD | |
| TH80-2 | F160 | 42 | 45.3 | 12 | 72.2 | 350 | 300 | 250 | 20 | 19 | 634 | 6 | 172.9 | 180.5 | | | | | | | |
| TH80-2 | F180 | 48 | 51.8 | 14 | 72.2 | 350 | 300 | 250 | 20 | 19 | 634 | 6 | 172.9 | 180.5 | | | | | | | |
| TH80-2 | F200 | 55 | 59.3 | 16 | 79.2 | 400 | 350 | 300 | 20 | 19 | 641 | 6 | 176.7 | 184.3 | | | | | | | |
| TH80-2 | F225 | 60 | 64.4 | 18 | 81.2 | 450 | 400 | 350 | 22 | 19 | 643 | 6 | 181.5 | 189.1 | | | | | | | |
| Motor Type | IEC | M | M1 | M2 | CL | N | N1 | N2 | N3 | N4 | P | X | Kg | Motor Type | TM | | | TM - DCB | | | |
| TH80-3 | F100 | 28 | 31.3 | 8 | 52.7 | 250 | 215 | 180 | 14 | 15 | 640 | 5 | 175.8 | 183.4 | TM100 | 297 | 196 | 145 | 387 | 198 | 146 |
| TH80-3 | F112 | 28 | 31.3 | 8 | 52.7 | 250 | 215 | 180 | 14 | 15 | 640 | 5 | 175.8 | 183.4 | TM112 | 316 | 216 | 154 | 395 | 217 | 156 |
| TH80-3 | F132 | 38 | 41.3 | 10 | 62.7 | 300 | 265 | 230 | 16 | 15 | 650 | 5 | 178.6 | 186.2 | | | | | | | |
| TH80-3 | F160 | 42 | 45.3 | 12 | 70.2 | 350 | 300 | 250 | 20 | 19 | 658 | 6 | 181.5 | 189.1 | | | | | | | |
| TH80-3 | F180 | 48 | 51.8 | 14 | 70.2 | 350 | 350 | 300 | 20 | 19 | 658 | 6 | 181.5 | 189.1 | | | | | | | |

TH80 - - - ISS

F



FL



| | | A | B | E | F | F1 | F2 | F3 | F4 | V | Kg | | |
|--|---------------|------------|-----|-----|-----|----|------|----|----|----|--------|-------|-------|
| | TH80-2 | ISS | 700 | 430 | 110 | 48 | 51.5 | 14 | 10 | 90 | M16x36 | 169.1 | 176.7 |
| | TH80-3 | ISS | 720 | 450 | 110 | 42 | 45 | 12 | 10 | 90 | M12x28 | 173.9 | 181.5 |