

USER MANUAL

MS/MSE3/YE3/MSE4/MSEJ/MYT



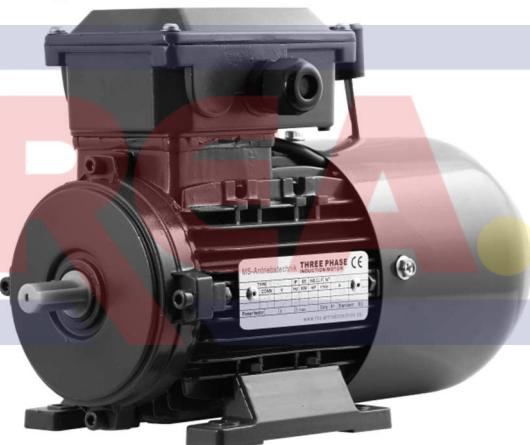
MS, MSE3, YE3 and MSE4 series

Three-phase asynchronous electric motor



MSEJ series

Three-phase, asynchronous electric brake motor



MYT series

Single-phase asynchronous electric motor



Standards and norms

MORGENSEN electric motors comply with the EU and international standards and norms listed below :

| Name | CEI | IEC |
|--|-----------------|--------------|
| General requirements for rotating machinery | CEI EN 60034-1 | IEC 60034-1 |
| Direction of rotation and terminal box marking for rotating machines | CEI 2-8 | IEC 60034-08 |
| Cooling mode for rotating machines | CEI EN 60034-6 | IEC 60034-6 |
| Rated power for rotating machines | EN 50347 | IEC 60072 |
| Degree of IP protection of rotating machines | CEI EN 60034-5 | IEC 60034-5 |
| Noise level | CEI EN 60034-9 | IEC 60034-9 |
| Classification of building forms and construction type | CEI EN 60034-7 | IEC 60034-7 |
| Rated voltage for low voltage supply | CEI 8-6 | IEC 60038 |
| Vibration level for electrical machines | CEI EN 60034-14 | IEC 60034-14 |

Mechanical tolerances

| Notation | Description | Tolerance |
|----------|--|-------------|
| A, B | Bore center distances on the soleplate | +/- 1 mm |
| AB, AC | Maximum electric motor diameter | + 2% |
| C | The distance between the front hole center and the flange | +/- 3 mm |
| D | Electric motor shaft diameter - 9 - 48 mm | k6 |
| D | Electric motor shaft diameter - above 55 mm | m6 |
| E | Shaft length - 9 - 48 mm for shaft diameter | - 0.3 mm |
| E | Shaft length - for shaft diameters greater than 55 mm | + 0.5 mm |
| F | Latch width | h9 |
| H | Shaft center height from the plane of the base 56 - 250 mm | - 0.5 mm |
| H | Axle center height above the plane of the base 250 mm | - 1 mm |
| K, S | Mounting hole diameters | + 3% |
| L | The total length of the electric motor | + 1% |
| LB | Total length of braked electric motor | + 1% |
| M | Hole spacing of electric motor manifold flange | +/- 0.8 mm |
| N | Electric motor adapter flange diameter up to 230 mm | j6 |
| N | Electric motor adapter flange diameter from 250 mm | h6 |
| P | Electric motor outer rim diameter | +/- 1 mm |
| m | Weight of electric motor | -5% - + 10% |

General Information

The MORGENSEN electric motors sold by Motor-Systems Kft. Have the properties according to the IEC standards, which are valid for S1 (continuous) operation, nominal voltage and frequency values, maximum ambient temperature 40 ° C and maximum operating altitude 1000 m above sea level.

Our electric motors have the following electrical properties:

| Electrical feature | Value |
|---------------------------|---|
| Tension | 230/400 V - Δ / Y 400/690 V - Δ / Y 230 V |
| Frequency | 50 Hz |
| Efficiency 0.09 - 0.55 kW | IE1 is general |
| Efficiency 0.75 - 315 kW | IE3 premium efficiency |
| Protection | IP55 |
| Insulation class | F - 155 ° C |

Mechanical properties:

| Parts | Electric motor housing size | |
|------------------------|---|--|
| | 56 - 132 | 160 - 355 |
| Electric motor housing | Cast aluminum | cast iron |
| Electric motor base | Aluminum can be removed and rotated 90 ° | cast iron, not mountable |
| Peremek | Aluminum with reinforced bearing housing | cast iron with grease nipple |
| Electric motor shaft | Hardened steel, latch, shaft end bore | Hardened steel, latch, shaft end bore |
| Bearings | Lifetime lubricated ball bearing | Lifetime lubricated ball bearing, sizes 315 and 355 up to 4-8p NU bearings on the drive side |
| Oil seal | Both on the drive side and on the opposite side of the drive in all sizes | Both on the drive side and on the opposite side of the drive in all sizes |
| Painting | Epoxy, blue color - RAL 5010 | Epoxy, blue color - RAL 5010 |

It is also possible to supply electric motors other than the specified electrical or mechanical values. If you need such a special electric motor, please call our colleagues.

IE3 premium efficiency

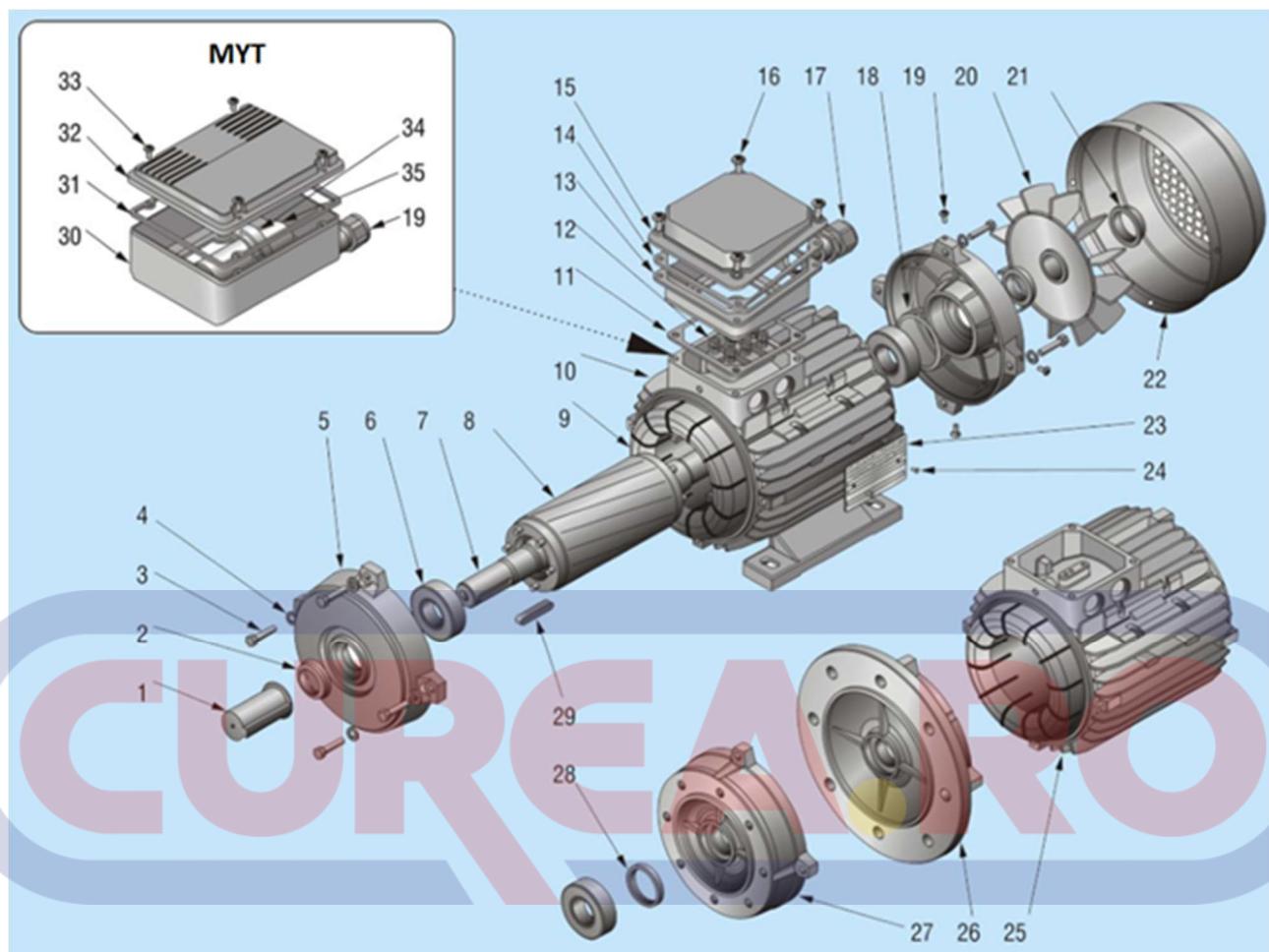
In accordance with Regulation (EC) No 640/2009, engines purchased after 1 January 2017 with a rated output of 0.75 kW and up to 375 kW shall not be less than the efficiency values of efficiency category IE3 in mains operation, or the motor shall be equipped with a frequency converter. and meet the requirements of efficiency category IE2.

IE4 super premium efficiency

Morgensen's new MSE4 super premium efficiency electric motors have 15% less power loss than their IE3 counterparts, so they already meet the requirements of the IE4 efficiency class of electric motors according to IEC / CD 60034-30 Ed. 2 required by the European Union.

Exploded view

The following figure shows the components of the MS, MSE3 and MYT series electric motors and their assembly:

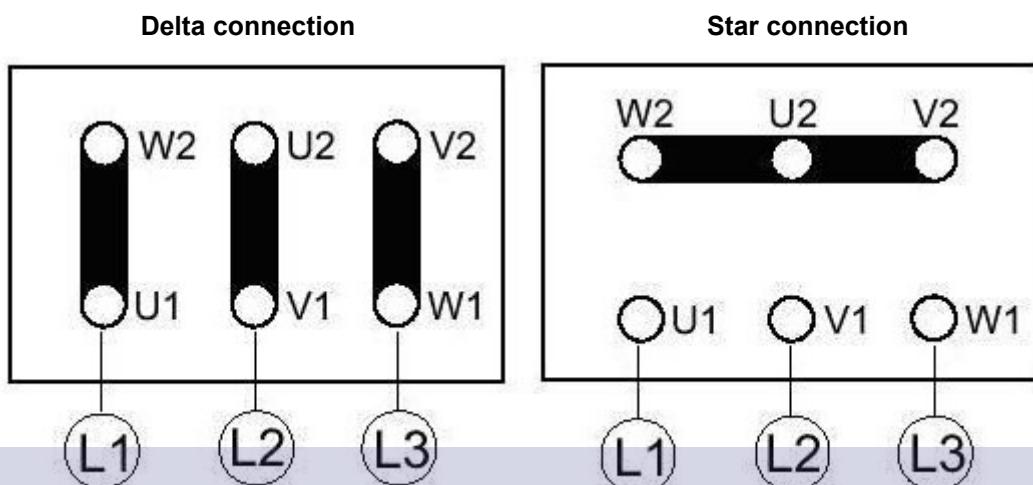


| No | Name | No | Name | No | Name |
|----|--------------------------|----|-----------------------------|----|--------------------------------------|
| 1 | Shaft protection cap | 13 | Terminal box | 25 | Engine housing B5 and B14 |
| 2 | V-ring | 14 | Terminal cover seal IP65 | 26 | Engine shield B5 |
| 3 | Engine compression bolt | 15 | Terminal cover | 27 | Engine shield B14 |
| 4 | Spring washer | 16 | Clamp cover fixing screw | 28 | Oil seal |
| 5 | Engine shield B3 | 17 | Gland | 29 | Latch |
| 6 | Bearing | 18 | Spacer ring | 30 | Terminal block (MYT) |
| 7 | Motor shaft | 19 | Engine shield mounting bolt | 31 | Terminal Cover Gasket (MYT) |
| 8 | Rotor | 20 | Fan blade | 32 | Terminal cover (MYT) |
| 9 | Stator coil | 21 | Fan blade retaining ring | 33 | Terminal Cover Retaining Screw (MYT) |
| 10 | Engine housing | 22 | Fan cover | 34 | Capacitor clamp (MYT) |
| 11 | Terminal cover seal IP55 | 23 | Data table | 35 | Capacitor (MYT) |
| 12 | Terminal block | 24 | Nameplate mounting screw | | |

Wiring methods

Wiring methods for three-phase, single-speed asynchronous electric motors

The 3 pcs. phase conductor to points U1-V1-W1 of the electric motor, the protective earth must be connected to the earthing screw by means of cable lugs. The terminal strips are connected to the winding of the electric motor and to the mains voltage. - if present, be located according to the voltage delivered by the frequency converter. When starting an electric motor directly, in the case of a 3x400V network, 230 / 400V winding electric motors must be connected to a star, 400 / 690V winding electric motors to a delta connection.



Changing the direction of rotation of a three-phase electric motor

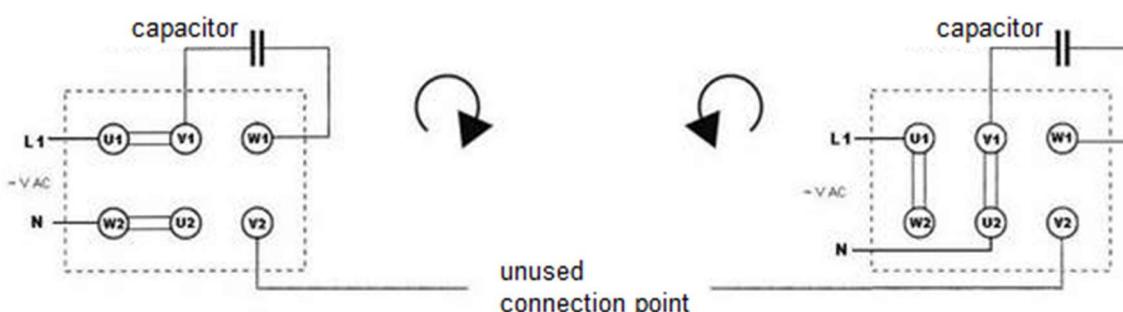
The direction of rotation of three-phase electric motors can be changed by reversing the connection order of any two of the three phase conductors.

Changing the speed of a three-phase electric motor

The speed of a three-phase asynchronous electric motor can be controlled using a frequency converter. We can also drive 230 / 400V coil electric motors with 1x230V and 3x400V frequency inverters. In the former case, the electric motor must be connected to delta, in the second case to star. Electric motors with 400 / 690V windings can only be driven by a frequency converter with a 3x400V supply, the electric motor must be connected to a delta connection.

Wiring methods for single-phase asynchronous electric motors

In the case of single-phase electric motors, the phase and neutral conductors - in any order - must be connected to points U1, U2, the earth cable to the earthing screw using cable lugs.

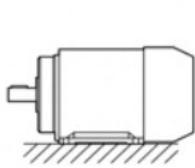


Changing the direction of rotation of a single-phase electric motor

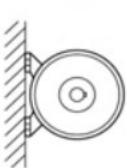
The direction of rotation of single-phase electric motors can be changed by swapping the two end points of the auxiliary phase.

Installation positions

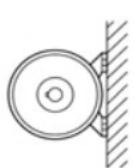
Our electric motors are B3 – foot mounted, B14 - small flange and B5 - large flange, respectively. they are delivered in combinations and can be installed in the following positions according to CEI EN 60034-7:



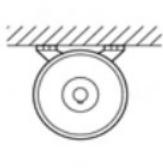
B3



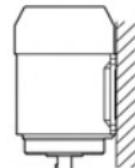
B6



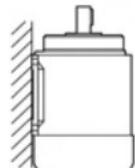
B7



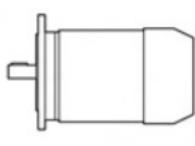
B8



V5



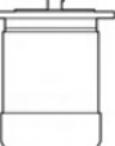
V6



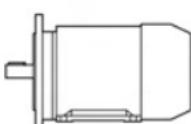
B5



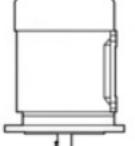
V1



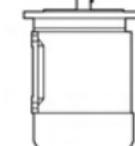
V3



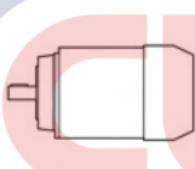
B35



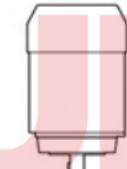
V1/V5



V3/V6



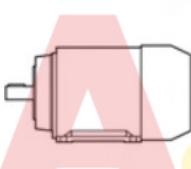
B14



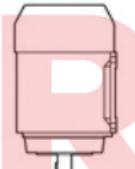
V18



V19



B34



V18/V5



V19/V6

Bearings

The following table shows the bearing sizes of the electric motors we sell:

| Size | Pole | Drive end | Non drive end |
|------------|----------------|-------------|---------------|
| 56 | 2-4-6-8 | 6201 - 2ZC3 | 6201 - 2ZC3 |
| 63 | 2-4-6-8 | 6201 - 2ZC3 | 6201 - 2ZC3 |
| 71 | 2-4-6-8 | 6202 - 2ZC3 | 6202 - 2ZC3 |
| 80 | 2-4-6-8 | 6204 - 2ZC3 | 6204 - 2ZC3 |
| 90 | 2-4-6-8 | 6205 - 2ZC3 | 6205 - 2ZC3 |
| 100 | 2-4-6-8 | 6206 - 2ZC3 | 6206 - 2ZC3 |
| 112 | 2-4-6-8 | 6306 - 2ZC3 | 6306 - 2ZC3 |
| 132 | 2-4-6-8 | 6308 - 2ZC3 | 6308 - 2ZC3 |
| 160 | 2-4-6-8 | 6309 - 2ZC3 | 6309 - 2ZC3 |
| 180 | 2-4-6-8 | 6311 - C3 | 6311 - C3 |
| 200 | 2-4-6-8 | 6312 - C3 | 6312 - C3 |
| 225 | 2-4-6-8 | 6313 - C3 | 6313 - C3 |
| 250 | 2-4-6-8 | 6314 - C3 | 6314 - C3 |
| 280 | 2 | 6314 - C3 | 6314 - C3 |
| | 4-6-8 | 6317 - C3 | 6317 - C3 |
| 315 | 2 | 6317 - C3 | 6317 - C3 |
| | 4-6-8 | NU319 - C3 | 6319 - C3 |
| 355 | 2 | 6319 - C3 | 6319 - C3 |
| | 4-6-8 | NU322 - C3 | 6322 - C3 |

Lubrication

Our electric motors up to housing sizes 56-160, up to an ambient temperature of 40 ° C are equipped with long-life greased, sealed bearings. Above 40 ° C, special heat-resistant greasing is recommended. Above housing size 160, electric motors are equipped with a grease nipple for subsequent greasing.

Ambient temperature

The power data of the electric motors we sell are valid at a frequency of 50 Hz in accordance with the CEI EN 60034-1 standard at an ambient temperature of -15 to +40 ° C and up to an operating altitude of 1000 m above sea level. For operation above 40 ° C ambient temperature, the power reduction according to the following table must be taken into account:

| Ambient temperature | 40 ° C | 45 ° C | 50 ° C | 55 ° C | 60 ° C |
|---|--------|--------|--------|--------|--------|
| Permissible power compared to the rated | 100% | 95% | 90% | 85% | 80% |

Electric motor protections

Although the design of motor protection is proportionally higher for lower power electric motors, we always recommend the installation of professional motor protection.

The following electric motor protections are available on request:

- PTC - From housing size 160, PTC thermal protection is standard on our electric motors. If required, it can be installed in any motor, even retrofitted.
- Bimetal temperature probe
- PT100 bearing temperature probe
- Heating resistor in the coils
- Insulated bearing drive on opposite side - for frequency converter operation recommended for electric motors larger than 280 housing sizes

Braking torque values for electric motors with MSEJ series brakes

Our braked electric motors with DC brakes have a rectifier built into the terminal board, so it is much easier to use, there is no need to power the brake separately. In addition, all our brake motors are equipped with a manual brake release lever, so the brake can be easily released even in the event of a power failure.

The MORGENSEN braked electric motors we sell have the following braking torques:

| Power [kW] | Braking torque [Nm] |
|------------|---------------------|
| 0.18 | 4 |
| 0.25 | 4 |
| 0.37 | 4 |
| 0.55 | 8 |
| 0.75 | 8 |
| 1.1 | 15 |
| 1.5 | 15 |
| 2.2 | 30 |
| 3 | 30 |
| 4 | 40 |
| 5.5 | 75 |
| 7.5 | 75 |
| 11 | 100 |
| 15 | 100 |

Specifications

MS, MSE3 and YE3 - three-phase electric motors
MSEJ - electric motors with brakes



Specifications

MS, MSE3 and YE3 - three-phase electric motors and MSEJ - braked electric motors

2p - 3000 rpm

| Type | Power | | Speed | Efficiency | | | | Nom. current. | Starting current | Nom. torque | Starting torque | Tilting torque | Weight |
|---------------|-----------|------|-----------------|------------|----------|----------|------|------------------|---------------------------------|------------------------|---------------------------------|--------------------------------------|--------|
| | P [kW] | [HP] | n [1 minute] | η 100% | η 75% | η 50% | cosφ | In 400V [THE] | I _s / I _n | M _n [Nm] | M _s / M _n | M _{max} / M _n | [kg] |
| 56A2 | 0.09 | 0.12 | 2750 | 62.0 | | | 0.77 | 0.27 | 5.2 | 0.31 | 2.1 | 2.2 | 3.6 |
| 56B2 | 0.12 | 0.18 | 2750 | 64.0 | | | 0.78 | 0.35 | 5.2 | 0.41 | 2.1 | 2.2 | 3.9 |
| 63A2 | 0.18 | 0.25 | 2720 | 65.0 | | | 0.8 | 0.5 | 5.5 | 0.61 | 2.2 | 2.3 | 4.8 |
| 63B2 | 0.25 | 0.37 | 2720 | 68.0 | | | 0.81 | 0.66 | 5.5 | 0.96 | 2.2 | 2.3 | 5.1 |
| 71A2 | 0.37 | 0.5 | 2750 | 70.0 | | | 0.81 | 0.94 | 6.1 | 1.26 | 2.2 | 2.3 | 6 |
| 71B2 | 0.55 | 0.75 | 2740 | 73.0 | | | 0.82 | 1.33 | 6.1 | 1.88 | 2.2 | 2.3 | 6.5 |
| 80A2 | 0.75 | 1 | 2890 | 80.7 | 80.3 | 77.2 | 0.81 | 1.7 | 6 | 2.5 | 2.7 | 2.8 | 8.4 |
| 80B2 | 1.1 | 1.5 | 2890 | 82.7 | 82.5 | 79.9 | 0.82 | 2.4 | 6.7 | 3.7 | 2.7 | 2.9 | 10.2 |
| 90S2 | 1.5 | 2 | 2900 | 84.2 | 83.8 | 81.4 | 0.82 | 3.1 | 6.1 | 5 | 2.3 | 2.7 | 14.4 |
| 90L2 | 2.2 | 3 | 2910 | 85.9 | 86.1 | 84.7 | 0.84 | 4.4 | 7 | 7.4 | 2.6 | 2.7 | 16.2 |
| 100L2 | 3 | 4 | 2910 | 87.1 | 87.5 | 86.3 | 0.88 | 5.7 | 7.6 | 10.1 | 2.5 | 2.8 | 18.5 |
| 112M2 | 4 | 5.5 | 2920 | 88.1 | 88.2 | 87 | 0.9 | 7.3 | 7.8 | 13.1 | 2.5 | 2.7 | 30.2 |
| 132SA2 | 5.5 | 7.5 | 2930 | 89.2 | 89.4 | 88.2 | 0.89 | 10 | 7.8 | 18.1 | 2.4 | 2.9 | 44.1 |
| 132SB2 | 7.5 | 10 | 2930 | 90.1 | 90.2 | 89.1 | 0.9 | 13.4 | 7.9 | 24.6 | 2.7 | 2.8 | 52 |
| 160MA2 | 11 | 15 | 2940 | 91.2 | 91.1 | 89.8 | 0.89 | 19.6 | 8.1 | 35.7 | 2 | 2.3 | 115 |
| 160MB2 | 15 | 20 | 2940 | 91.9 | 91.8 | 90.7 | 0.89 | 26.5 | 8.1 | 48.7 | 2 | 2.3 | 125 |
| 160L2 | 18.5 | 25 | 2940 | 92.4 | 92.3 | 90.4 | 0.89 | 32.5 | 8.2 | 60.1 | 2 | 2.3 | 147 |
| 180M2 | 22 | 30 | 2955 | 92.7 | 92.6 | 91.6 | 0.89 | 38.5 | 8.2 | 71.1 | 2 | 2.3 | 195 |
| 200LA2 | 30 | 40 | 2965 | 93.3 | 93.2 | 92.1 | 0.89 | 52.1 | 7.6 | 96.6 | 2 | 2.3 | 243 |
| 200LB2 | 37 | 50 | 2965 | 93.7 | 93.5 | 92.3 | 0.89 | 64 | 7.6 | 119.2 | 2 | 2.3 | 258 |
| 225M2 | 45 | 60 | 2970 | 94 | 93.6 | 92.4 | 0.9 | 76.8 | 7.7 | 144.7 | 2 | 2.3 | 324 |
| 250M2 | 55 | 75 | 2975 | 94.3 | 94.1 | 93 | 0.9 | 93.5 | 7.7 | 176.6 | 2 | 2.3 | 432 |
| 280S2 | 75 | 100 | 2975 | 94.7 | 94.3 | 93 | 0.9 | 127 | 7.1 | 240.8 | 1.8 | 2.3 | 560 |
| 280M2 | 90 | 125 | 2975 | 95 | 94.6 | 94.3 | 0.9 | 151.9 | 7.1 | 288.9 | 1.8 | 2.3 | 603 |
| 315S2 | 110 | 150 | 2980 | 95.2 | 94.8 | 93.6 | 0.9 | 185.3 | 7.1 | 352.5 | 1.8 | 2.3 | 880 |
| 315M2 | 132 | 180 | 2980 | 95.4 | 95 | 93.9 | 0.9 | 221.9 | 7.1 | 423 | 1.8 | 2.3 | 960 |
| 315LA2 | 160 | 220 | 2980 | 95.6 | 95 | 94.2 | 0.91 | 265.5 | 7.2 | 512.8 | 1.8 | 2.3 | 1030 |
| 315LB2 | 200 | 270 | 2980 | 95.8 | 95.1 | 94.2 | 0.91 | 331.1 | 7.2 | 640.9 | 1.8 | 2.2 | 1358 |
| 355MB2 | 250 | 340 | 2980 | 95.8 | 95.2 | 94.5 | 0.9 | 413.9 | 7.2 | 801.2 | 1.6 | 2.2 | 1802 |
| 355LB2 | 315 | 430 | 2980 | 95.8 | 95.2 | 94.5 | 0.91 | 521.5 | 7.2 | 1009 | 1.6 | 2.2 | 2017 |

Specifications

MS, MSE3 and YE3 - three-phase electric motors and MSEJ - braked electric motors

4p - 1500 rpm

| Type | Power | | Speed | Efficiency | | | | Nom. current. | Starting current | Nom. torque | Starting torque | Tilting torque | Weight |
|---------------|-----------|-----------|-----------------|------------|----------|----------|------|--------------------|---------------------------------|------------------------|---------------------------------|-----------------------------------|--------|
| | P [kW] | P [HP] | n [1 minute] | η 100% | η 75% | η 50% | cosφ | In 400V [T/H/E] | I _s / I _n | M _n [Nm] | M _s / M _n | M _{max} / M _n | [kg] |
| 56B4 | 0.09 | 0.12 | 1325 | 58.0 | | | 0.72 | 0.31 | 4.0 | 0.64 | 2 | 2.2 | 3.9 |
| 63A4 | 0.12 | 0.18 | 1310 | 57.0 | | | 0.72 | 0.42 | 4.4 | 0.84 | 2.1 | 2.3 | 4.8 |
| 63B4 | 0.18 | 0.25 | 1310 | 60.0 | | | 0.73 | 0.59 | 4.4 | 1.26 | 2.1 | 2.3 | 5.1 |
| 71A4 | 0.25 | 0.37 | 1320 | 65.0 | | | 0.74 | 0.75 | 5.2 | 1.73 | 2.1 | 2.3 | 6 |
| 71B4 | 0.37 | 0.5 | 1330 | 67.0 | | | 0.75 | 1.06 | 5.2 | 2.56 | 2.1 | 2.3 | 6.3 |
| 80A4 | 0.55 | 0.75 | 1390 | 71.0 | | | 0.75 | 1.4 | 5.2 | 3.75 | 2.3 | 2.3 | 9.4 |
| 80B4 | 0.75 | 1 | 1430 | 82.5 | 82.5 | 80.1 | 0.7 | 1.9 | 5.4 | 5 | 2.3 | 2.9 | 11.3 |
| 90S4 | 1.1 | 1.5 | 1440 | 84.1 | 84.2 | 82.9 | 0.72 | 2.6 | 5.9 | 7.4 | 2.3 | 2.7 | 15 |
| 90L4 | 1.5 | 2 | 1440 | 85.3 | 85.5 | 84.1 | 0.71 | 3.6 | 6.4 | 10.1 | 2.4 | 2.7 | 18 |
| 100LA4 | 2.2 | 3 | 1450 | 86.7 | 87.1 | 86.2 | 0.82 | 4.5 | 6.6 | 14.7 | 2.4 | 2.9 | 23.3 |
| 100LB4 | 3 | 4 | 1450 | 87.7 | 88 | 86.9 | 0.78 | 6.4 | 6.9 | 20 | 2.4 | 2.8 | 28 |
| 112M4 | 4 | 5.5 | 1450 | 88.6 | 88.8 | 88.2 | 0.82 | 8 | 7.9 | 26.6 | 2.5 | 3 | 32.2 |
| 132S4 | 5.5 | 7.5 | 1460 | 89.6 | 89.8 | 89.4 | 0.84 | 10.6 | 7.1 | 36.7 | 2.3 | 2.8 | 48 |
| 132M4 | 7.5 | 10 | 1460 | 90.4 | 90.9 | 90.3 | 0.85 | 14.1 | 7.8 | 50.1 | 2.3 | 2.7 | 53 |
| 160M4 | 11 | 15 | 1465 | 91.4 | 91.2 | 91 | 0.85 | 20.4 | 7.7 | 71.7 | 2.2 | 2.3 | 130 |
| 160L4 | 15 | 20 | 1465 | 92.1 | 91.9 | 91.7 | 0.86 | 27.3 | 7.8 | 97.8 | 2.2 | 2.3 | 150 |
| 180M4 | 18.5 | 25 | 1470 | 92.6 | 92.7 | 91.8 | 0.86 | 33.5 | 7.8 | 120.2 | 2 | 2.3 | 185 |
| 180L4 | 22 | 30 | 1475 | 93 | 93.3 | 92.9 | 0.86 | 39.7 | 7.8 | 142.4 | 2 | 2.3 | 216 |
| 200L4 | 30 | 40 | 1475 | 93.6 | 93.3 | 92.1 | 0.86 | 53.8 | 7.3 | 194.2 | 2 | 2.3 | 260 |
| 225S4 | 37 | 50 | 1480 | 93.9 | 94 | 93.5 | 0.86 | 66.1 | 7.4 | 238.8 | 2 | 2.3 | 337 |
| 225M4 | 45 | 60 | 1480 | 94.2 | 94.3 | 93.8 | 0.86 | 80.2 | 7.4 | 290.4 | 2 | 2.3 | 344 |
| 250M4 | 55 | 75 | 1480 | 94.6 | 94.3 | 93.5 | 0.86 | 97.6 | 7.4 | 354.9 | 2.2 | 2.3 | 455 |
| 280S4 | 75 | 100 | 1485 | 95 | 94.7 | 93.5 | 0.88 | 129.5 | 6.9 | 482.3 | 2 | 2.3 | 590 |
| 280M4 | 90 | 125 | 1485 | 95.2 | 94.9 | 93.7 | 0.88 | 155.1 | 6.9 | 578.8 | 2 | 2.3 | 634 |
| 315S4 | 110 | 150 | 1485 | 95.4 | 95.5 | 94.6 | 0.89 | 187 | 7 | 707.4 | 2 | 2.2 | 940 |
| 315M4 | 132 | 180 | 1485 | 95.6 | 95.4 | 95.1 | 0.89 | 223.9 | 7 | 848.9 | 2 | 2.2 | 980 |
| 315LA4 | 160 | 220 | 1485 | 95.8 | 95.5 | 95.3 | 0.89 | 270.9 | 7.1 | 1029 | 2 | 2.2 | 1060 |
| 315LB4 | 200 | 270 | 1485 | 96 | 95.6 | 95.2 | 0.9 | 334.1 | 7.1 | 1286 | 2 | 2.2 | 1200 |
| 355M4 | 250 | 340 | 1490 | 96 | 95.7 | 95.1 | 0.9 | 417.7 | 7.1 | 1602 | 2 | 2.2 | 1815 |
| 355L4 | 315 | 430 | 1490 | 96 | 95.7 | 95.1 | 0.9 | 526.2 | 7.1 | 2018 | 2 | 2.2 | 1984 |
| 355LB4 | 355 | 480 | 1490 | 96 | 95.7 | 95.1 | 0.88 | 606.5 | 7 | 2275 | 1.7 | 2.2 | 2291 |

Specifications

MS, MSE3 and YE3 - three-phase electric motors and MSEJ - braked electric motors

6p - 1000 rpm

| Type | Power | | Speed | Efficiency | | | | Nom. current. | Starting current | Nom. torque | Starting torque | Tilting torque | Weight |
|---------------|-----------|-----------|-----------------|------------|----------|----------|------|------------------|---------------------------------|------------------------|---------------------------------|--------------------------------------|--------|
| | P [kW] | P [HP] | n [1 minute] | η 100% | η 75% | η 50% | cosφ | In 400V [THE] | I _s / I _n | M _n [Nm] | M _s / M _n | M _{max} / M _n | [kg] |
| 63B6 | 0.12 | 0.18 | 840 | 48 | | | 0.6 | 0.59 | 4 | 1.00 | 2.2 | 2.3 | 4.1 |
| 71A6 | 0.18 | 0.25 | 850 | 56 | | | 0.66 | 0.7 | 4.7 | 1.91 | 1.9 | 2 | 6 |
| 71B6 | 0.25 | 0.37 | 850 | 59 | | | 0.68 | 0.9 | 4.7 | 2.65 | 1.9 | 2 | 6.3 |
| 80A6 | 0.37 | 0.5 | 885 | 62 | | | 0.7 | 1.24 | 5.5 | 3.93 | 1.9 | 2 | 8.9 |
| 80B6 | 0.55 | 0.75 | 885 | 65 | | | 0.72 | 1.7 | 5.5 | 5.84 | 1.9 | 2.1 | 10.4 |
| 90S6 | 0.75 | 1 | 945 | 78.9 | 80.1 | 78.1 | 0.67 | 2.1 | 6.2 | 7.70 | 2.2 | 2 | 14 |
| 90L6 | 1.1 | 1.5 | 950 | 81 | 81.1 | 78.4 | 0.67 | 2.9 | 6 | 11.2 | 2.3 | 2.1 | 16.2 |
| 100L6 | 1.5 | 2 | 950 | 82.5 | 83 | 81.8 | 0.71 | 3.7 | 5.8 | 15.2 | 2.3 | 2.1 | 22 |
| 112M6 | 2.2 | 3 | 960 | 84.3 | 84.5 | 83.2 | 0.72 | 5.3 | 6.4 | 22.4 | 2.3 | 2.1 | 26 |
| 132S6 | 3 | 4 | 965 | 85.6 | 86 | 85.1 | 0.74 | 6.9 | 6.3 | 30.5 | 2.4 | 2.2 | 39 |
| 132MA6 | 4 | 5.5 | 970 | 86.8 | 87.1 | 86.2 | 0.74 | 9 | 6.2 | 40.4 | 2.5 | 2 | 47.2 |
| 132MB6 | 5.5 | 7.5 | 970 | 88 | 88.3 | 87.1 | 0.75 | 12.1 | 6.8 | 55.6 | 2.3 | 1.9 | 55.4 |
| 160M6 | 7.5 | 10 | 970 | 89.1 | 89.2 | 87.8 | 0.79 | 15.4 | 7 | 73.8 | 2 | 2.1 | 119 |
| 160L6 | 11 | 15 | 970 | 90.3 | 90.5 | 89.4 | 0.8 | 22 | 7.2 | 108.3 | 2 | 2.1 | 148 |
| 180L6 | 15 | 20 | 975 | 91.2 | 91.4 | 90.8 | 0.81 | 29.3 | 7.3 | 146.9 | 2 | 2.1 | 197 |
| 200LA6 | 18.5 | 25 | 975 | 91.7 | 92 | 91.4 | 0.81 | 36 | 7.3 | 181.2 | 2 | 2.1 | 230 |
| 200LB6 | 22 | 30 | 975 | 92.2 | 92.4 | 91.9 | 0.81 | 42.5 | 7.4 | 215.5 | 2 | 2.1 | 251 |
| 225M6 | 30 | 40 | 985 | 92.9 | 93.1 | 92 | 0.83 | 56.2 | 6.9 | 290.9 | 2 | 2.1 | 330 |
| 250M6 | 37 | 50 | 985 | 93.3 | 93.3 | 92.5 | 0.84 | 68.1 | 7.1 | 358.7 | 2 | 2.1 | 426 |
| 280S6 | 45 | 60 | 985 | 93.7 | 92.6 | 91.4 | 0.85 | 81.6 | 7.3 | 436.3 | 2 | 2 | 535 |
| 280M6 | 55 | 75 | 985 | 94.1 | 93.9 | 93 | 0.86 | 98.1 | 7.3 | 533.2 | 2 | 2 | 576 |
| 315S6 | 75 | 100 | 990 | 94.6 | 94.5 | 93.8 | 0.84 | 136.2 | 6.6 | 723.5 | 2 | 2 | 840 |
| 315M6 | 90 | 125 | 990 | 94.9 | 94.7 | 94.1 | 0.85 | 161 | 6.7 | 868.2 | 2 | 2 | 900 |
| 315LA6 | 110 | 150 | 990 | 95.1 | 94.9 | 94.6 | 0.85 | 196.4 | 6.7 | 1061 | 2 | 2 | 980 |
| 315LB6 | 132 | 180 | 990 | 95.4 | 95.1 | 94.7 | 0.86 | 232.2 | 6.8 | 1273 | 2 | 2 | 1100 |
| 355MA6 | 160 | 220 | 990 | 95.6 | 95.3 | 94.5 | 0.86 | 280.9 | 6.8 | 1543 | 1.8 | 2 | 1709 |
| 355MB6 | 200 | 270 | 990 | 95.8 | 95.4 | 94.6 | 0.87 | 346.4 | 6.8 | 1929 | 1.8 | 2 | 1945 |
| 355LB6 | 250 | 340 | 990 | 95.8 | 95.4 | 94.6 | 0.87 | 433 | 6.8 | 2411 | 1.8 | 2 | 2092 |

Specifications

MS, MSE3 and YE3 - three-phase electric motors and MSEJ - braked electric motors

8p - 750 rpm

| Type | Power | | Speed | Efficiency | | Nom. current. | Starting current | Nom. torque | Starting torque | Tilting torque | Weight |
|----------------|-----------|------|-----------------|------------|------|------------------|------------------|-------------|-----------------|----------------|--------|
| | P [kW] | [HP] | n [1 minute] | η 100% | cosφ | In 400V [THE] | Is / In | Mn [Nm] | Ms / Mn | Mmax / Mn | [kg] |
| 71M8 | 0.12 | 0.18 | 680 | 51 | 0.6 | 0.58 | 3.3 | 1.8 | 1.8 | 2.3 | 6 |
| 80M1-8 | 0.18 | 0.25 | 680 | 51 | 0.66 | 0.83 | 3.3 | 2.7 | 1.8 | 2 | 8 |
| 80M2-8 | 0.25 | 0.37 | 680 | 56 | 0.68 | 1.1 | 3.3 | 3.7 | 1.8 | 2 | 10 |
| 90S8 | 0.37 | 0.5 | 680 | 63 | 0.7 | 1.49 | 4 | 5.2 | 1.8 | 2 | 11 |
| 90L8 | 0.55 | 0.75 | 680 | 66 | 0.72 | 2.17 | 4 | 7.7 | 1.8 | 2.1 | 12.5 |
| 100L1-8 | 0.75 | 1 | 710 | 66 | 0.67 | 2.43 | 4 | 10.5 | 1.8 | 2 | 19 |
| 100L2-8 | 1.1 | 1.5 | 710 | 72 | 0.67 | 3.36 | 5 | 15.4 | 1.8 | 2.1 | 21.5 |
| 112M8 | 1.5 | 2 | 710 | 74 | 0.71 | 4.4 | 5 | 20.8 | 1.8 | 2.1 | 24 |
| 132S8 | 2.2 | 3 | 720 | 75 | 0.72 | 6 | 6 | 29.6 | 1.8 | 2.1 | 38 |
| 132M8 | 3 | 4 | 720 | 77 | 0.74 | 7.8 | 6 | 40.4 | 1.8 | 2.2 | 44 |
| 160M1-8 | 4 | 5.5 | 720 | 80 | 0.74 | 10.3 | 6.6 | 53.8 | 1.9 | 2 | 118 |
| 160M2-8 | 5.5 | 7.5 | 720 | 83.5 | 0.75 | 13.6 | 6.6 | 73 | 2 | 2 | 119 |
| 160L8 | 7.5 | 10 | 720 | 85 | 0.79 | 17.8 | 6.6 | 99.5 | 2 | 2 | 145 |
| 180L8 | 11 | 15 | 730 | 87.5 | 0.8 | 25.1 | 6.6 | 145.9 | 2 | 2 | 184 |
| 200L8 | 15 | 20 | 730 | 88 | 0.81 | 34.1 | 6.6 | 196.2 | 2 | 2 | 250 |
| 225S8 | 18.5 | 25 | 730 | 90 | 0.81 | 40.6 | 6.6 | 242 | 1.9 | 2 | 266 |
| 225M8 | 22 | 30 | 740 | 90.5 | 0.81 | 47.4 | 6.6 | 287.8 | 1.9 | 2 | 292 |
| 250M8 | 30 | 40 | 740 | 91 | 0.83 | 64 | 6.6 | 392.5 | 1.9 | 2 | 405 |
| 280S8 | 37 | 50 | 740 | 91.5 | 0.84 | 78 | 6.6 | 484 | 1.9 | 2 | 520 |
| 280M8 | 45 | 60 | 740 | 92 | 0.85 | 94 | 6.6 | 588 | 1.9 | 2 | 592 |
| 315S8 | 55 | 75 | 740 | 92.8 | 0.81 | 111 | 6.6 | 719 | 1.8 | 2 | 1000 |
| 315M8 | 75 | 100 | 740 | 93 | 0.81 | 151 | 6.6 | 968 | 1.8 | 2 | 1100 |
| 315L1-8 | 90 | 125 | 740 | 93.8 | 0.82 | 178 | 6.6 | 1161 | 1.8 | 2 | 1160 |
| 315L2-8 | 110 | 150 | 740 | 94 | 0.82 | 217 | 6.4 | 1419 | 1.8 | 2 | 1230 |
| 355M1-8 | 132 | 180 | 740 | 93.7 | 0.82 | 261 | 6.4 | 1703 | 1.8 | 2 | 1600 |
| 355M2-8 | 160 | 220 | 740 | 94.2 | 0.82 | 315 | 6.4 | 2065 | 1.8 | 2 | 1700 |
| 355L8 | 200 | 270 | 740 | 94.5 | 0.83 | 388 | 6.4 | 2581 | 1.8 | 2 | 1800 |
| 400M1-8 | 250 | 340 | 745 | 95 | 0.81 | 469 | 6.6 | 3205 | 1.2 | 3.4 | 3100 |
| 400M2-8 | 280 | 380 | 745 | 95 | 0.81 | 525 | 6.7 | 3589 | 1.2 | 3.1 | 3200 |
| 400L1-8 | 315 | 430 | 745 | 95 | 0.82 | 584 | 6.5 | 4038 | 1.2 | 3 | 3300 |
| 400L2-8 | 355 | 480 | 745 | 95 | 0.82 | 679 | 7 | 4551 | 1.3 | 3 | 3400 |
| 400L3-8 | 400 | 550 | 745 | 95.2 | 0.82 | 740 | 7.2 | 5127 | 1.3 | 3 | 3550 |

Specifications

MSE4 - three-phase electric motors



Specifications

MSE4 - three-phase electric motors

2p - 3000 rpm

| Type | Power | | Speed | Efficiency | | | | Nom. current. | Starting current | Nom. torque | Starting torque | Tilting torque | Weight |
|--------------------|-------|------|-----------------|------------|----------|----------|------|------------------|------------------|-------------|-----------------|----------------|--------|
| | P | | n [1 minute] | η 100% | η 75% | η 50% | cosφ | In 400V [THE] | Is / In | Mn [Nm] | Ms / Mn | Mmax / Mn | [kg] |
| | [kW] | [HP] | | | | | | | | | | | |
| MSE4-80A2 | 0.75 | 1 | 2910 | 83.5 | 83.3 | 80.5 | 0.82 | 1.58 | 7.5 | 2.46 | 2.6 | 3.0 | 10.6 |
| MSE4-80B2 | 1.1 | 1.5 | 2910 | 85.2 | 85.0 | 83.5 | 0.83 | 2.25 | 8.5 | 3.61 | 2.6 | 3.2 | 12 |
| MSE4-90S2 | 1.5 | 2 | 2920 | 86.5 | 86.2 | 85.0 | 0.84 | 2.98 | 8.5 | 4.91 | 2.5 | 3.2 | 17 |
| MSE4-90L2 | 2.2 | 3 | 2920 | 88.0 | 87.8 | 86.5 | 0.85 | 4.25 | 8.5 | 7.20 | 2.6 | 3.2 | 21 |
| MSE4-100L2 | 3 | 4 | 2920 | 89.1 | 89.2 | 88.5 | 0.87 | 5.59 | 8.5 | 9.81 | 2.7 | 3.3 | 28 |
| MSE4-112M2 | 4 | 5.5 | 2920 | 90.0 | 89.8 | 87.8 | 0.88 | 7.29 | 8.6 | 13.1 | 2.6 | 3.0 | 38 |
| MSE4-132SA2 | 5.5 | 7.5 | 2920 | 90.9 | 90.8 | 89.8 | 0.88 | 9.90 | 8.6 | 18.0 | 2.5 | 2.8 | 54 |
| MSE4-132SB2 | 7.5 | 10 | 2925 | 91.7 | 91.5 | 90.5 | 0.88 | 13.4 | 8.5 | 24.5 | 2.5 | 3.0 | 61 |
| MSE4-160MA2 | 11 | 15 | 2945 | 92.6 | 92.3 | 91.8 | 0.89 | 19.3 | 8.8 | 35.7 | 2.7 | 3.3 | 109 |
| MSE4-160MB2 | 15 | 20 | 2945 | 93.3 | 93.0 | 91.9 | 0.89 | 26.1 | 9.0 | 48.6 | 2.6 | 3.3 | 119 |
| MSE4-160L2 | 18.5 | 25 | 2950 | 93.7 | 93.0 | 92.0 | 0.89 | 32.0 | 9.0 | 59.9 | 2.7 | 3.3 | 130 |

4p - 1500 rpm

| Type | Power | | Speed | Efficiency | | | | Nom. current. | Starting current | Nom. torque | Starting torque | Tilting torque | Weight |
|--------------------|-------|------|-----------------|------------|----------|----------|------|------------------|------------------|-------------|-----------------|----------------|--------|
| | P | | n [1 minute] | η 100% | η 75% | η 50% | cosφ | In 400V [THE] | Is / In | Mn [Nm] | Ms / Mn | Mmax / Mn | [kg] |
| | [kW] | [HP] | | | | | | | | | | | |
| MSE4-80B4 | 0.75 | 1 | 1445 | 85.7 | 85.6 | 84.8 | 0.75 | 1.68 | 7.5 | 4.96 | 2.8 | 3.2 | 15 |
| MSE4-90S4 | 1.1 | 1.5 | 1445 | 87.2 | 86.5 | 85.3 | 0.76 | 2.40 | 8.2 | 7.27 | 2.5 | 3.0 | 17 |
| MSE4-90L4 | 1.5 | 2 | 1450 | 88.2 | 87.5 | 85.5 | 0.77 | 3.19 | 8.2 | 9.88 | 2.6 | 3.2 | 21 |
| MSE4-100LA4 | 2.2 | 3 | 1455 | 89.5 | 88.9 | 87.3 | 0.81 | 4.38 | 8.2 | 14.4 | 2.8 | 3.3 | 31 |
| MSE4-100LB4 | 3 | 4 | 1455 | 90.4 | 89.8 | 88.5 | 0.82 | 5.84 | 8.6 | 19.7 | 2.8 | 3.3 | 35 |
| MSE4-112M4 | 4 | 5.5 | 1455 | 91.1 | 91.2 | 90.3 | 0.82 | 7.73 | 8.8 | 26.3 | 2.7 | 3.3 | 44 |
| MSE4-132S4 | 5.5 | 7.5 | 1460 | 91.9 | 91.5 | 90.0 | 0.83 | 10.4 | 8.6 | 36.0 | [2.7] | 3.6 | 56 |
| MSE4-132M4 | 7.5 | 10 | 1460 | 92.6 | 92.5 | 91.3 | 0.84 | 13.9 | 8.6 | 49.1 | 2.8 | 3.6 | 65 |
| MSE4-160M4 | 11 | 15 | 1465 | 93.3 | 92.9 | 91.5 | 0.85 | 20.0 | 8.8 | 71.7 | 2.8 | 3.3 | 124 |
| MSE4-160L4 | 15 | 20 | 1465 | 93.9 | 93.5 | 91.9 | 0.86 | 26.8 | 8.8 | 97.8 | 2.8 | 3.3 | 131 |

Specifications

MSE4 - three-phase electric motors

6p - 1000 rpm

| Type | Power | | Speed | Efficiency | | | | Nom. current. | Starting current | Nom. torque | Starting torque | Tilting torque | Weight | |
|--------------------|-------|------|-------|-----------------|-----------|----------|----------|---------------|------------------|---------------------------------|------------------------|---------------------------------|--------------------------------------|------|
| | P | | n | η [1 minute] | η 100% | η 75% | η 50% | cosφ | In 400V [THE] | I _s / I _n | M _n [Nm] | M _s / M _n | M _{max} / M _n | [kg] |
| | [kW] | [HP] | | | | | | | | | | | | |
| MSE4-90S6 | 0.75 | 1 | 955 | 82.7 | 81.8 | 79.5 | 0.71 | 1.84 | 6.0 | 7.50 | 2.0 | 2.3 | 17 | |
| MSE4-90L6 | 1.1 | 1.5 | 955 | 84.5 | 83.6 | 81.5 | 0.73 | 2.57 | 6.0 | 11.00 | 2.5 | 3.0 | 23 | |
| MSE4-100L6 | 1.5 | 2 | 960 | 85.9 | 85.0 | 82.5 | 0.73 | 3.45 | 6.5 | 14.92 | 2.5 | 2.9 | 31 | |
| MSE4-112M6 | 2.2 | 3 | 965 | 87.4 | 87.0 | 85.4 | 0.74 | 4.91 | 6.6 | 21.77 | 2.2 | 2.6 | 41 | |
| MSE4-132S6 | 3 | 4 | 968 | 88.6 | 88.1 | 86.5 | 0.74 | 6.60 | 7.8 | 29.60 | 2.5 | 3.0 | 52 | |
| MSE4-132MA6 | 4 | 5.5 | 968 | 89.5 | 88.5 | 86.8 | 0.74 | 8.72 | 7.8 | 39.46 | 2.3 | 2.6 | 62 | |
| MSE4-132MB6 | 5.5 | 7.5 | 968 | 90.5 | 89.9 | 87.5 | 0.75 | 11.7 | 8.1 | 54.26 | 2.3 | 2.6 | 73 | |
| MSE4-160M6 | 7.5 | 10 | 970 | 91.3 | 90.7 | 88.5 | 0.79 | 15.0 | 7.8 | 73.84 | 2.4 | 3.0 | 138 | |
| MSE4-160L6 | 11 | 15 | 970 | 92.3 | 91.8 | 89.8 | 0.8 | 21.5 | 7.8 | 108.30 | 2.2 | 2.5 | 155 | |



Specifications

MYT - single phase electric motors



Specifications

MSE4 - three-phase electric motors

2p - 3000 rpm

| Type | Power | | Speed | Nom. current. | | Degree of effect | Nom. torque | Starting torque | Tilting torque | Starting current | Condenser | Weight |
|----------|------------|------------|-------------|----------------|------|------------------|-------------|-----------------|----------------|------------------|----------------|--------|
| Type | Power [kW] | Power [kW] | n [1 / min] | I (230V) [THE] | cosφ | η % | Mn [Nm] | Ma / Mn | Ms / Mn | Ia | Cm (450V) [μF] | m [kg] |
| MYT56A2 | 0.09 | 0.12 | 2760 | 0.81 | 0.9 | 54 | 0.33 | 0.7 | 1.6 | 3 | 5 | 2.9 |
| MYT56B2 | 0.12 | 0.18 | 2770 | 0.98 | 0.92 | 58 | 0.40 | 0.7 | 1.6 | 4 | 6 | 3.2 |
| MYT63A2 | 0.18 | 0.25 | 2780 | 1.42 | 0.92 | 60 | 0.66 | 0.7 | 1.7 | 5 | 10 | 4 |
| MYT63B2 | 0.25 | 0.37 | 2780 | 1.94 | 0.92 | 61 | 0.90 | 0.68 | 1.7 | 7 | 10 | 4.5 |
| MYT71A2 | 0.37 | 0.5 | 2800 | 2.75 | 0.93 | 63 | 1.36 | 0.63 | 1.7 | 12 | 16 | 5.1 |
| MYT71B2 | 0.55 | 0.75 | 2810 | 3.5 | 0.95 | 72 | 1.93 | 0.63 | 1.7 | 15 | 14 | 7.2 |
| MYT80A2 | 0.75 | 1 | 2810 | 4.77 | 0.95 | 72 | 2.55 | 0.45 | 1.7 | 20 | 20 | 9.6 |
| MYT80B2 | 1.1 | 1.5 | 2810 | 6.8 | 0.95 | 74 | 3.86 | 0.43 | 1.7 | 28 | 35 | 11 |
| MYT90S2 | 1.5 | 2 | 2820 | 9.15 | 0.95 | 75 | 5.40 | 0.35 | 1.8 | 40 | 45 | 14 |
| MYT90LA2 | 2.2 | 3 | 2820 | 13.08 | 0.95 | 77 | 7.80 | 0.35 | 1.8 | 60 | 70 | 16.5 |
| MYT90LB2 | 3 | 4 | 2840 | 17.83 | 0.95 | 77 | 10.6 | 0.35 | 1.8 | 75 | 80 | 25 |

4p - 1500 rpm

| Type | Power | | Speed | Nom. current. | | Degree of effect | Nom. torque | Starting torque | Tilting torque | Starting current | Condenser | Weight |
|-----------|-------|------|-------------|----------------|------|------------------|-------------|-----------------|----------------|------------------|----------------|--------|
| Type | [kW] | [kW] | n [1 / min] | I (230V) [THE] | cosφ | η % | Mn [Nm] | Ma / Mn | Ms / Mn | Ia | Cm (450V) [μF] | m [kg] |
| MYT56A4 | 0.09 | 0.12 | 1370 | 1 | 0.9 | 40 | 0.66 | 0.75 | 1.6 | 3 | 5 | 3.3 |
| MYT63A4 | 0.12 | 0.18 | 1380 | 1.15 | 0.93 | 45 | 0.79 | 1 | 1.6 | 3.5 | 6 | 4 |
| MYT63B4 | 0.18 | 0.25 | 1380 | 1.7 | 0.99 | 48 | 1.31 | 1 | 1.5 | 5.5 | 10 | 4.7 |
| MYT71A4 | 0.25 | 0.37 | 1380 | 2 | 0.93 | 60 | 1.8 | 1 | 1.5 | 8 | 10 | 6.5 |
| MYT71B4 | 0.37 | 0.5 | 1380 | 3.2 | 0.92 | 55 | 2.72 | 1 | 1.5 | 10 | 16 | 7.7 |
| MYT80A4 | 0.55 | 0.75 | 1400 | 3.7 | 0.98 | 64 | 3.86 | 0.52 | 1.7 | 15 | 14 | 8.9 |
| MYT80B4 | 0.75 | 1 | 1410 | 5.3 | 0.94 | 65 | 5.1 | 0.5 | 1.7 | 20 | 20 | 10.4 |
| MYT90S4 | 1.1 | 1.5 | 1410 | 7 | 0.95 | 72 | 7.72 | 0.6 | 1.8 | 30 | 35 | 13.3 |
| MYT90LA4 | 1.5 | 2 | 1420 | 9.3 | 0.96 | 73 | 10.8 | 0.5 | 1.8 | 40 | 45 | 16.2 |
| MYT100LA4 | 2.2 | 3 | 1430 | 13 | 0.97 | 76 | 15.6 | 0.5 | 1.8 | 60 | 70 | 23.9 |
| MYT100LB4 | 3 | 4 | 1440 | 17.8 | 0.97 | 77 | 21.2 | 0.5 | 1.7 | 76 | 100 | 32 |

Sizes

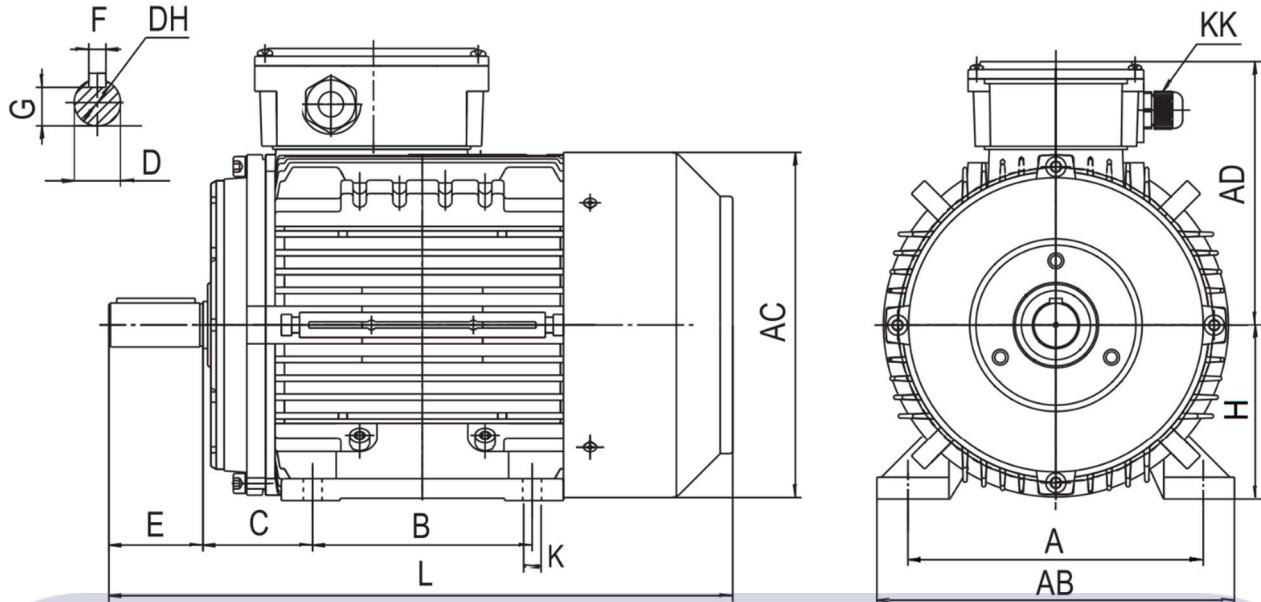
MS, MSE3, YE3 and MSE4 - three-phase electric motors



Sizes

MS, MSE3, YE3 and MSE4 - three-phase electric motors

B3 foot mounted

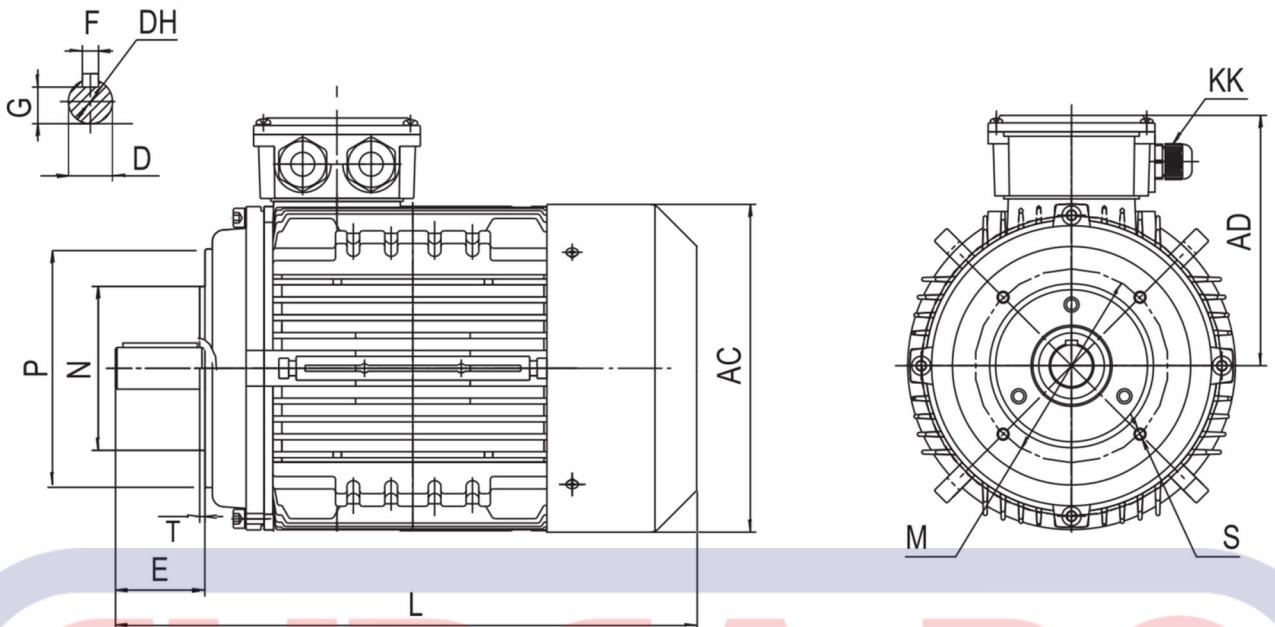


| Size | Pole | A | AB | AC | AD | B | C | D | DH | E | F | G | H | K | KK | L | |
|------|-------|-----|-----|-----|-----|-----|-----|-----|--------|--------|-----|------|------|-------|-----------|-------|------|
| 56 | 2-4-6 | 90 | 115 | 110 | 100 | 71 | 36 | 9 | M4X12 | 20 | 3 | 7,2 | 56 | 6 | | 199 | |
| 63 | 2-4-6 | 100 | 135 | 130 | 111 | 80 | 40 | 11 | M4X12 | 23 | 4 | 8,5 | 63 | 7 | | 217 | |
| 71 | 2-4-6 | 112 | 150 | 145 | 118 | 90 | 45 | 14 | M5X12 | 30 | 5 | 11 | 71 | 7 | | 245 | |
| 80 | 2-4-6 | 125 | 160 | 158 | 130 | 100 | 50 | 19 | M6X16 | 40 | 6 | 15,5 | 80 | 10X13 | | 277 | |
| 90S | 2-4-6 | 140 | 175 | 177 | 140 | 100 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 312 | |
| 90L | 2-4-6 | 140 | 175 | 177 | 140 | 125 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 337 | |
| 100 | 2-4-6 | 160 | 196 | 199 | 157 | 140 | 63 | 28 | M10X22 | 60 | 8 | 24 | 100 | 12X16 | | 375 | |
| 112M | 2-4-6 | 190 | 220 | 220 | 168 | 140 | 70 | 28 | M10X22 | 60 | 8 | 24 | 112 | 12X16 | M25 | 397 | |
| 132S | 2-4-6 | 216 | 252 | 261 | 187 | 140 | 89 | 38 | M12X28 | 80 | 10 | 33 | | 12X16 | X 1,5 | 460 | |
| 132M | 2-4-6 | 216 | 252 | 261 | 187 | 178 | 89 | 38 | M12X28 | 80 | 10 | 33 | | 12X16 | | 498 | |
| 160M | 2-4-6 | | 254 | 320 | 330 | 265 | 210 | | M16X36 | 110 | | 37 | | 14X19 | | 665 | |
| 160L | 2-4-6 | | | | | | 254 | | M16X36 | 110 | | 37 | | 14X19 | M32 X 1,5 | 685 | |
| 180M | 2-4-6 | | 279 | 350 | 380 | 280 | 241 | | M16X36 | 110 | | 42,5 | | 14X19 | | 730 | |
| 180L | 2-4-6 | | | | | | 279 | | M16X36 | 110 | | 42,5 | | 14X19 | | 775 | |
| 200L | 2-4-6 | | 318 | 395 | 420 | 315 | 305 | 133 | 55 | M20X42 | 110 | 16 | 49 | 200 | 18X25 | | 785 |
| 225S | 4 | | 356 | 436 | 465 | 335 | 286 | 149 | 60 | M20X42 | 140 | 18 | 53 | | 18X25 | | 840 |
| 225M | 2 | | 356 | 436 | 465 | 335 | 311 | 149 | 55 | M20X42 | 110 | 16 | 49 | 225 | 18X25 | X 1,5 | 830 |
| | 2-4-6 | | | | | | | | 60 | M20X42 | 140 | 18 | 53 | | 18X25 | | 860 |
| 250M | 2 | | 406 | 495 | 520 | 375 | 349 | 168 | 60 | M20X42 | 140 | 18 | 53 | 250 | 24X33 | | 940 |
| | 4-6 | | | | | | | | 65 | M20X42 | 140 | 18 | 58 | | 24X33 | | 945 |
| 280S | 2 | | 457 | 550 | 570 | 405 | 368 | 190 | 65 | M20X42 | 140 | 18 | 58 | | 24X33 | | 970 |
| | 4-6 | | | | | | | | 75 | M20X42 | 140 | 20 | 67,5 | 280 | 24X33 | | 975 |
| 280M | 2 | | 457 | 550 | 570 | 405 | 419 | 190 | 65 | M20X42 | 140 | 18 | 58 | | 24X33 | | 1010 |
| | 4-6 | | | | | | | | 75 | M20X42 | 140 | 20 | 67,5 | | 24X33 | | 1015 |
| 315S | 2 | | 508 | 630 | 620 | 500 | 406 | 216 | 65 | M20X42 | 140 | 18 | 58 | | 28X49 | | 1160 |
| | 4-6 | | | | | | | | 80 | M20X42 | 170 | 22 | 71 | | 28X49 | | 1190 |
| 315M | 2 | | 508 | 630 | 620 | 500 | 457 | 216 | 65 | M20X42 | 140 | 18 | 58 | | 28X49 | | 1270 |
| | 4-6 | | | | | | | | 80 | M20X42 | 170 | 22 | 71 | | 28X49 | | 1300 |
| 315L | 2 | | 508 | 630 | 620 | 500 | 508 | 216 | 65 | M20X42 | 140 | 18 | 58 | | 28X49 | | 1270 |
| | 4-6 | | | | | | | | 80 | M20X42 | 170 | 22 | 71 | | 28X49 | | 1300 |
| 355M | 2 | | 610 | 735 | 700 | 645 | 560 | 254 | 75 | M24X50 | 140 | 20 | 67,5 | | 28X49 | | 1500 |
| | 4-6 | | | | | | | | 100 | M24X50 | 210 | 28 | 86 | 355 | 28X49 | | 1630 |
| 355L | 2 | | 610 | 735 | 700 | 645 | 630 | 254 | 75 | M24X50 | 140 | 20 | 67,5 | | 28X49 | | 1500 |
| | 4-6 | | | | | | | | 100 | M24X50 | 210 | 28 | 86 | | 28X49 | | 1630 |

Sizes

MS, MSE3, YE3 and MSE4 - three-phase electric motors

B14 small flange

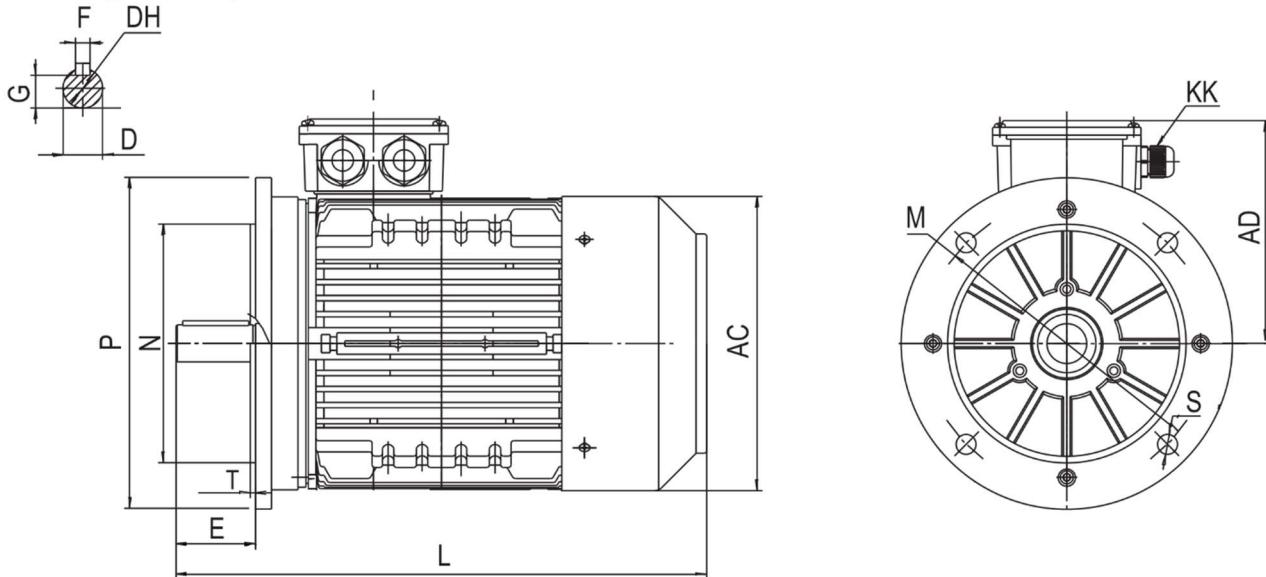


| Size | Pole | THE | AB | AC | AD | B | C | D | DH | E | F | G | H | K | KK | L |
|-------------|-------|-----|-----|----|--------|----|----|------|-------|--------------|-----|-----|-----|-----|-----|-----|
| 56 | 2-4-6 | 110 | 100 | 9 | M4X12 | 20 | 3 | 7,2 | 6 | M20 X 1,5 | 199 | 65 | 50 | 80 | M5 | 2,5 |
| 63 | 2-4-6 | 130 | 111 | 11 | M4X12 | 23 | 4 | 8,5 | 7 | | 217 | 75 | 60 | 90 | M5 | 2,5 |
| 71 | 2-4-6 | 145 | 118 | 14 | M5X12 | 30 | 5 | 11 | 7 | | 245 | 85 | 70 | 105 | M6 | 2,5 |
| 80 | 2-4-6 | 158 | 130 | 19 | M6X16 | 40 | 6 | 15,5 | 10X13 | | 277 | 100 | 80 | 120 | M6 | 3 |
| 90S | 2-4-6 | 177 | 140 | 24 | M8X19 | 50 | 8 | 20 | 10X13 | | 312 | 115 | 95 | 140 | M8 | 3 |
| 90L | 2-4-6 | 177 | 140 | 24 | M8X19 | 50 | 8 | 20 | 10X13 | | 337 | 115 | 95 | 140 | M8 | 3 |
| 100 | 2-4-6 | 199 | 157 | 28 | M10X22 | 60 | 8 | 24 | 12X16 | | 375 | 130 | 110 | 160 | M8 | 3,5 |
| 112 | 2-4-6 | 220 | 168 | 28 | M10X22 | 60 | 8 | 24 | 12X16 | M25 X 1,5 | 397 | 130 | 110 | 160 | M8 | 3,5 |
| 132S | 2-4-6 | 261 | 187 | 38 | M12X28 | 80 | 10 | 33 | 12X16 | | 460 | 165 | 130 | 200 | M10 | 3,5 |
| 132M | 2-4-6 | 261 | 187 | 38 | M12X28 | 80 | 10 | 33 | 12X16 | | 498 | 165 | 130 | 200 | M10 | 3,5 |

Sizes

MS, MSE3, YE3 and MSE4 - three-phase electric motors

B5 large flange

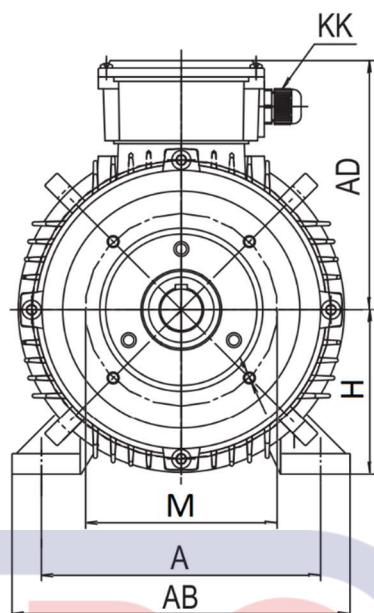
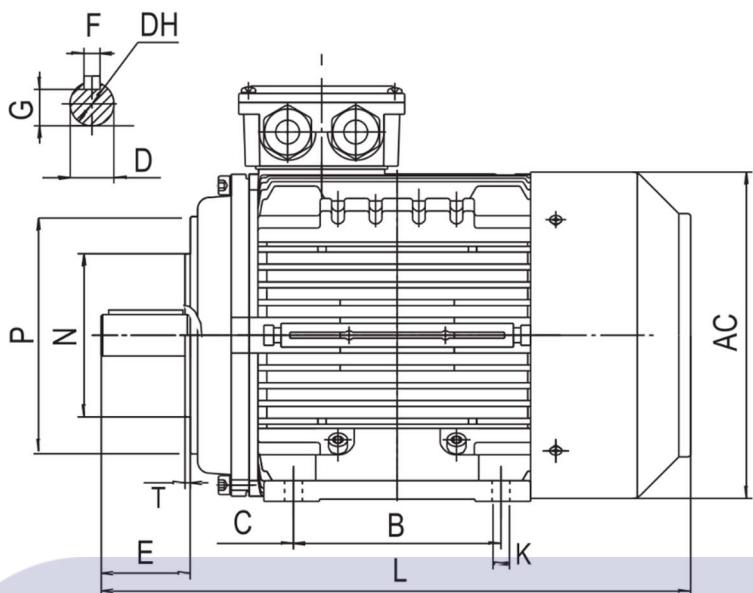


| Size | Pole | AC | AD | D | DH | E | F | G | K | KK | L | M | N | P | S | T |
|------|-------|-----|-----|----|--------|-----|----|------|-------|-----------|------|-----|-----|-----|------|-----|
| 56 | 2-4 | 110 | 100 | 9 | M4X12 | 20 | 3 | 7,2 | 6 | M20 X 1,5 | 199 | 100 | 80 | 120 | 7 | 3 |
| 63 | 2-4 | 130 | 111 | 11 | M4X12 | 23 | 4 | 8,5 | 7 | | 217 | 115 | 95 | 140 | 9,5 | 3 |
| 71 | 2-4 | 145 | 118 | 14 | M5X12 | 30 | 5 | 11 | 7 | | 245 | 130 | 110 | 160 | 9,5 | 3,5 |
| 80 | 2-4 | 158 | 130 | 19 | M6X16 | 40 | 6 | 15,5 | 10X13 | | 277 | 165 | 130 | 200 | 12 | 3,5 |
| 90S | 2-4-6 | 177 | 140 | 24 | M8X19 | 50 | 8 | 20 | 10X13 | | 312 | 165 | 130 | 200 | 12 | 3,5 |
| 90L | 2-4-6 | 177 | 140 | 24 | M8X19 | 50 | 8 | 20 | 10X13 | | 337 | 165 | 130 | 200 | 12 | 3,5 |
| 100 | 2-4-6 | 199 | 157 | 28 | M10X22 | 60 | 8 | 24 | 12X16 | | 375 | 215 | 180 | 250 | 15 | 4 |
| 112 | 2-4-6 | 220 | 168 | 28 | M10X22 | 60 | 8 | 24 | 12X16 | | 397 | 215 | 180 | 250 | 15 | 4 |
| 132S | 2-4-6 | 261 | 187 | 38 | M12X28 | 80 | 10 | 33 | 12X16 | | 460 | 265 | 230 | 300 | 15 | 4 |
| 132M | 2-4-6 | 261 | 187 | 38 | M12X28 | 80 | 10 | 33 | 12X16 | | 498 | 265 | 230 | 300 | 15 | 4 |
| 160M | 2-4-6 | 330 | 265 | 42 | M16X36 | 110 | 12 | 37 | 14X19 | M32 X 1,5 | 665 | 300 | 250 | 350 | 18,5 | 5 |
| 160L | 2-4-6 | | | | M16X36 | 110 | | 37 | 14X19 | | 685 | | | | 18,5 | 5 |
| 180M | 2-4-6 | 380 | 280 | 48 | M16X36 | 110 | 14 | 42,5 | 14X19 | | 730 | | | | 18,5 | 5 |
| 180L | 2-4-6 | | | | M16X36 | 110 | | 42,5 | 14X19 | | 775 | | | | 18,5 | 5 |
| 200L | 2-4-6 | 420 | 315 | 55 | M20X42 | 110 | 16 | 49 | 18X25 | M40 X 1,5 | 785 | 350 | 300 | 400 | 18,5 | 5 |
| 225S | 4 | 465 | 335 | 60 | M20X42 | 140 | 18 | 53 | 18X25 | | 840 | 400 | 350 | 450 | 18,5 | 5 |
| 225M | 2 | 465 | 335 | 55 | M20X42 | 110 | 16 | 49 | 18X25 | | 830 | | | | 18,5 | 5 |
| | | | | | M20X42 | 140 | 18 | 53 | 18X25 | | 860 | | | | 18,5 | 5 |
| 250M | 2 | 520 | 375 | 60 | M20X42 | 140 | 18 | 53 | 24X33 | M50 X 1,5 | 940 | 500 | 450 | 550 | 18,5 | 5 |
| | | | | | M20X42 | 140 | 18 | 58 | 24X33 | | 945 | | | | 18,5 | 5 |
| 280S | 2 | 570 | 405 | 65 | M20X42 | 140 | 18 | 58 | 24X33 | | 970 | | | | 18,5 | 5 |
| | | | | | M20X42 | 140 | 20 | 67,5 | 24X33 | | 975 | | | | 18,5 | 5 |
| 280M | 2 | 570 | 405 | 65 | M20X42 | 140 | 18 | 58 | 24X33 | | 1010 | | | | 18,5 | 5 |
| | | | | | M20X42 | 140 | 20 | 67,5 | 24X33 | | 1015 | | | | 18,5 | 5 |
| 315S | 2 | 620 | 500 | 65 | M20X42 | 140 | 18 | 58 | 28X49 | M63 X 1,5 | 1160 | 600 | 550 | 660 | 24 | 6 |
| | | | | | M20X42 | 170 | 22 | 71 | 28X49 | | 1190 | | | | 24 | 6 |
| 315M | 2 | 620 | 500 | 65 | M20X42 | 140 | 18 | 58 | 28X49 | | 1270 | | | | 24 | 6 |
| | | | | | M20X42 | 170 | 22 | 71 | 28X49 | | 1300 | | | | 24 | 6 |
| 315L | 2 | 620 | 500 | 65 | M20X42 | 140 | 18 | 58 | 28X49 | | 1270 | | | | 24 | 6 |
| | | | | | M20X42 | 170 | 22 | 71 | 28X49 | | 1300 | | | | 24 | 6 |
| 355M | 2 | 700 | 645 | 75 | M24X50 | 140 | 20 | 67,5 | 28X49 | | 1500 | 740 | 680 | 800 | 24 | 6 |
| | | | | | M24X50 | 210 | 28 | 86 | 28X49 | | 1630 | | | | 24 | 6 |
| 355L | 2 | 700 | 645 | 75 | M24X50 | 140 | 20 | 67,5 | 28X49 | | 1500 | | | | 24 | 6 |
| | | | | | M24X50 | 210 | 28 | 86 | 28X49 | | 1630 | | | | 24 | 6 |

Sizes

MS, MSE3, YE3 and MSE4 - three-phase electric motors

B34 foot-small flange

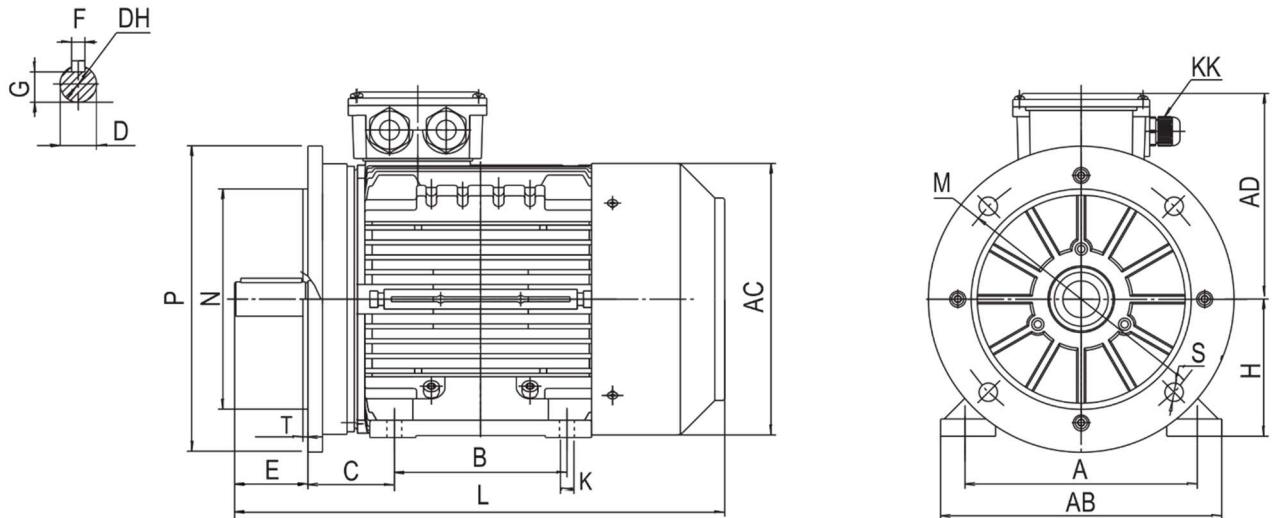


| Size | Pole | A | AB | AC | AD | B | C | D | DH | E | F | G | H | K | KK | L | M | N | P | S | T |
|------|-------|-----|-----|-----|-----|-----|----|----|--------|----|----|-----|-----|-------|-----------|-----|-----|-----|-----|-----|-----|
| 56 | 2-4-6 | 90 | 115 | 110 | 100 | 71 | 36 | 9 | M4X12 | 20 | 3 | 7,2 | 56 | 6 | | 199 | 65 | 50 | 80 | M5 | 2,5 |
| 63 | 2-4-6 | 100 | 135 | 130 | 111 | 80 | 40 | 11 | M4X12 | 23 | 4 | 8,5 | 63 | 7 | | 217 | 75 | 60 | 90 | M5 | 2,5 |
| 71 | 2-4-6 | 112 | 150 | 145 | 118 | 90 | 45 | 14 | M5X12 | 30 | 5 | 11 | 71 | 7 | M20 X 1,5 | 245 | 85 | 70 | 105 | M6 | 2,5 |
| 80 | 2-4 | 125 | 160 | 158 | 130 | 100 | 50 | 19 | M6X16 | 40 | 6 | 16 | 80 | 10X13 | | 277 | 100 | 80 | 120 | M6 | 3 |
| 90S | 2-4-6 | 140 | 175 | 177 | 140 | 100 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 312 | 115 | 95 | 140 | M8 | 3 |
| 90L | 2-4-6 | 140 | 175 | 177 | 140 | 125 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 337 | 115 | 95 | 140 | M8 | 3 |
| 100 | 2-4-6 | 160 | 196 | 199 | 157 | 140 | 63 | 28 | M10X22 | 60 | 8 | 24 | 100 | 12X16 | | 375 | 130 | 110 | 160 | M8 | 3,5 |
| 112 | 2-4-6 | 190 | 220 | 220 | 168 | 140 | 70 | 28 | M10X22 | 60 | 8 | 24 | 112 | 12X16 | M25 X 1,5 | 397 | 130 | 110 | 160 | M8 | 3,5 |
| 132S | 2-4-6 | 216 | 252 | 261 | 187 | 140 | 89 | 38 | M12X28 | 80 | 10 | 33 | 132 | 12X16 | | 460 | 165 | 130 | 200 | M10 | 3,5 |
| 132M | 2-4-6 | 216 | 252 | 261 | 187 | 178 | 89 | 38 | M12X28 | 80 | 10 | 33 | | | | 498 | 165 | 130 | 200 | M10 | 3,5 |

Sizes

MS, MSE3, YE3 and MSE4 - three-phase electric motors

B35 foot-large flange



| Size | Poles | A | AB | AC | AD | B | C | D | DH | E | F | G | H | K | KK | L | M | N | P | S | T |
|------|-------|-----|-----|-----|-----|-----|-----|-----|--------|--------|-----|-----|-----|-------|-------|------|-----|-----|-----|-----|-----|
| 56 | 2-4-6 | 90 | 115 | 110 | 100 | 71 | 36 | 9 | M4X12 | 20 | 3 | 7,2 | 56 | 6 | | 199 | 100 | 80 | 120 | 7 | 3 |
| 63 | 2-4-6 | 100 | 135 | 130 | 111 | 80 | 40 | 11 | M4X12 | 23 | 4 | 8,5 | 63 | 7 | | 217 | 115 | 95 | 140 | 9,5 | 3 |
| 71 | 2-4-6 | 112 | 150 | 145 | 118 | 90 | 45 | 14 | M5X12 | 30 | 5 | 11 | 71 | 7 | | 245 | 130 | 110 | 160 | 9,5 | 3,5 |
| 80 | 2-4 | 125 | 160 | 158 | 130 | 100 | 50 | 19 | M6X16 | 40 | 6 | 16 | 80 | 10X13 | X | 277 | 165 | 130 | 200 | 12 | 3,5 |
| 90S | 2-4-6 | 140 | 175 | 177 | 140 | 100 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | 1,5 | 312 | 165 | 130 | 200 | 12 | 3,5 |
| 90L | 2-4-6 | 140 | 175 | 177 | 140 | 125 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 337 | 165 | 130 | 200 | 12 | 3,5 |
| 100 | 2-4-6 | 160 | 196 | 199 | 157 | 140 | 63 | 28 | M10X22 | 60 | 8 | 24 | 100 | 12X16 | | 375 | 215 | 180 | 250 | 15 | 4 |
| 112 | 2-4-6 | 190 | 220 | 220 | 168 | 140 | 70 | 28 | M10X22 | 60 | 8 | 24 | 112 | 12X16 | M20 | 397 | 215 | 180 | 250 | 15 | 4 |
| 132S | 2-4-6 | 216 | 252 | 261 | 187 | 140 | 89 | 38 | M12X28 | 80 | 10 | 33 | 132 | 12X16 | X | 460 | 265 | 230 | 300 | 15 | 4 |
| 132M | 2-4-6 | 216 | 252 | 261 | 187 | 178 | 89 | 38 | M12X28 | 80 | 10 | 33 | 132 | 12X16 | 1,5 | 498 | 265 | 230 | 300 | 15 | 4 |
| 160M | 2-4-6 | 254 | 320 | 330 | 265 | 210 | 108 | 42 | M16X36 | 110 | 12 | 37 | 160 | 14X19 | M32 | 665 | | | | 19 | 5 |
| 160L | 2-4-6 | | 254 | 320 | 330 | 265 | | 254 | M16X36 | 110 | | 37 | 160 | 14X19 | X | 685 | | | | 19 | 5 |
| 180M | 2-4-6 | 279 | 350 | 380 | 280 | 241 | 121 | 48 | M16X36 | 110 | 14 | 43 | 180 | 14X19 | 1,5 | 730 | | | | 19 | 5 |
| 180L | 2-4-6 | | 279 | 350 | 380 | 280 | | 279 | M16X36 | 110 | | 43 | 180 | 14X19 | | 775 | | | | 19 | 5 |
| 200L | 2-4-6 | 318 | 395 | 420 | 315 | 305 | 133 | 55 | M20X42 | 110 | 16 | 49 | 200 | 18X25 | M40 | 785 | 350 | 300 | 400 | 19 | 5 |
| 225S | 4 | 356 | 436 | 465 | 335 | 286 | 149 | 60 | M20X42 | 140 | 18 | 53 | 225 | 18X25 | X | 840 | | | | 19 | 5 |
| 225M | 2 | 356 | 436 | 465 | 335 | 311 | 149 | 55 | M20X42 | 110 | 16 | 49 | 225 | 18X25 | 1,5 | 830 | 400 | 350 | 450 | 19 | 5 |
| | 2-4-6 | | 356 | 436 | 465 | 335 | 311 | | 60 | M20X42 | 140 | 18 | 53 | 18X25 | | 860 | | | | 19 | 5 |
| 250M | 2 | 406 | 495 | 520 | 375 | 349 | 168 | 60 | M20X42 | 140 | 18 | 53 | 250 | 24X33 | M50 | 940 | | | | 19 | 5 |
| | 4-6 | | 406 | 495 | 520 | 375 | 349 | | 65 | M20X42 | 140 | 18 | 58 | 250 | 24X33 | X | 945 | | | | 19 |
| 280S | 2 | 457 | 550 | 570 | 405 | 368 | 190 | 65 | M20X42 | 140 | 18 | 58 | 280 | 24X33 | 1,5 | 970 | | | | 19 | 5 |
| | 4-6 | | 457 | 550 | 570 | 405 | 368 | | 75 | M20X42 | 140 | 20 | 68 | 24X33 | | 975 | | | | 19 | 5 |
| 280M | 2 | 457 | 550 | 570 | 405 | 419 | 190 | 65 | M20X42 | 140 | 18 | 58 | 280 | 24X33 | | 1010 | | | | 19 | 5 |
| | 4-6 | | 457 | 550 | 570 | 405 | 419 | | 75 | M20X42 | 140 | 20 | 68 | 24X33 | | 1015 | | | | 19 | 5 |
| 315S | 2 | 508 | 630 | 620 | 500 | 406 | 216 | 65 | M20X42 | 140 | 18 | 58 | 315 | 28X49 | M63 | 1160 | | | | 24 | 6 |
| | 4-6 | | 508 | 630 | 620 | 500 | 406 | | 80 | M20X42 | 170 | 22 | 71 | 28X49 | X | 1190 | | | | 24 | 6 |
| 315M | 2 | 508 | 630 | 620 | 500 | 457 | 216 | 65 | M20X42 | 140 | 18 | 58 | 315 | 28X49 | 1,5 | 1270 | | | | 24 | 6 |
| | 4-6 | | 508 | 630 | 620 | 500 | 457 | | 80 | M20X42 | 170 | 22 | 71 | 28X49 | | 1300 | | | | 24 | 6 |
| 315L | 2 | 508 | 630 | 620 | 500 | 508 | 216 | 65 | M20X42 | 140 | 18 | 58 | 355 | 28X49 | M63 | 1270 | | | | 24 | 6 |
| | 4-6 | | 508 | 630 | 620 | 500 | 508 | | 80 | M20X42 | 170 | 22 | 71 | 28X49 | X | 1300 | | | | 24 | 6 |
| 355M | 2 | 610 | 735 | 700 | 645 | 560 | 254 | 75 | M24X50 | 140 | 20 | 68 | 355 | 28X49 | | 1500 | | | | 24 | 6 |
| | 4-6 | | 610 | 735 | 700 | 645 | 560 | | 100 | M24X50 | 210 | 28 | 86 | 28X49 | | 1630 | | | | 24 | 6 |
| 355L | 2 | 610 | 735 | 700 | 645 | 630 | 254 | 75 | M24X50 | 140 | 20 | 68 | 355 | 28X49 | | 1500 | | | | 24 | 6 |
| | 4-6 | | 610 | 735 | 700 | 645 | 630 | | 100 | M24X50 | 210 | 28 | 86 | 28X49 | | 1630 | | | | 24 | 6 |

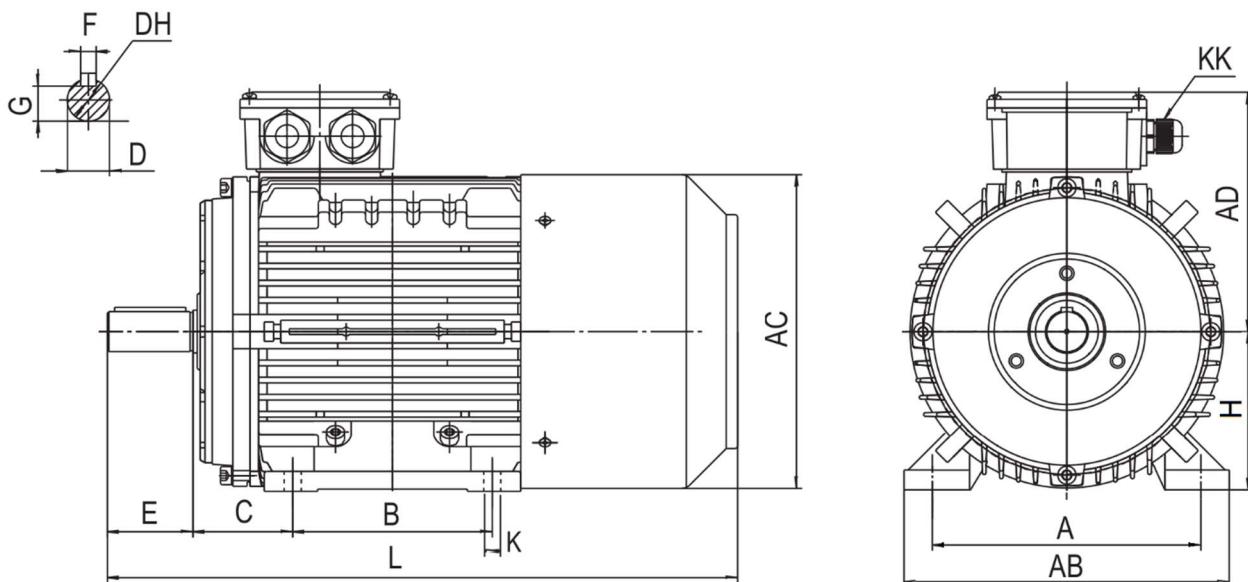
MSEJ - electric motors with brakes



Sizes

MSEJ - electric motors with brakes

B3 foot mounted

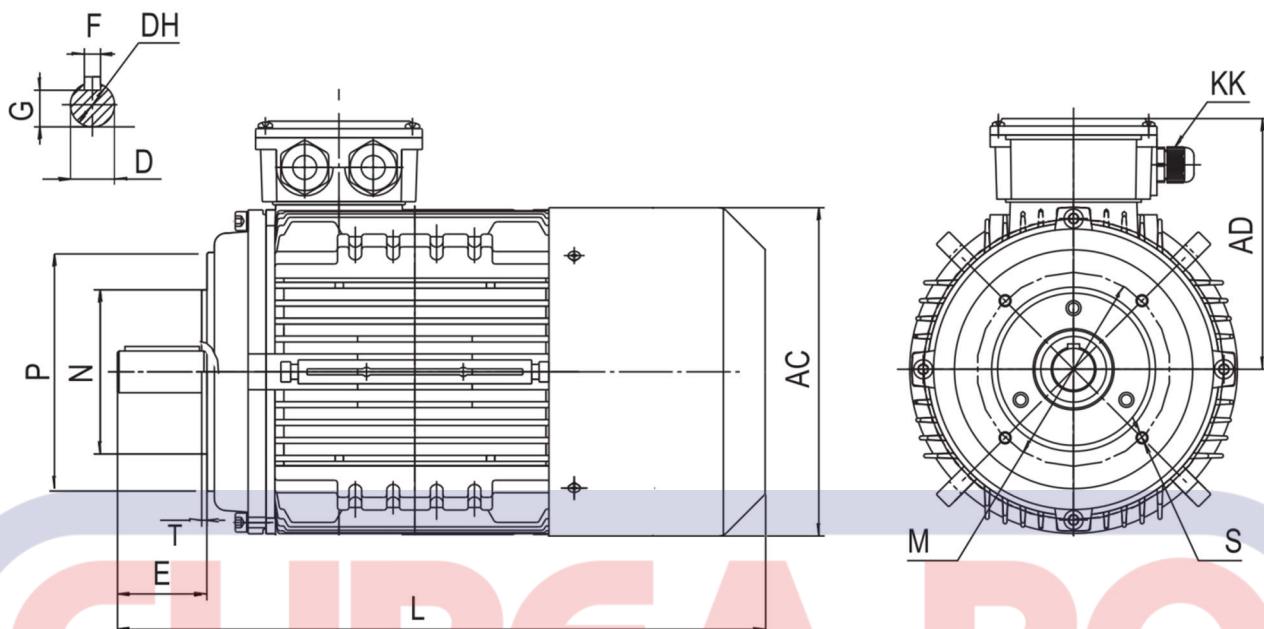


| Méret | Pole | A | AB | AC | AD | B | C | D | DH | E | F | G | H | K | KK | L |
|-------|-------|-----|-----|-----|-----|-----|-----|-----|--------|--------|--------|------|------|-------|----|------|
| 56 | 2-4-6 | 90 | 115 | 110 | 100 | 71 | 36 | 9 | M4X12 | 20 | 3 | 7,2 | 56 | 6 | | 220 |
| 63 | 2-4-6 | 100 | 135 | 130 | 111 | 80 | 40 | 11 | M4X12 | 23 | 4 | 8,5 | 63 | 7 | | 303 |
| 71 | 2-4-6 | 112 | 150 | 145 | 118 | 90 | 45 | 14 | M5X12 | 30 | 5 | 11 | 71 | 7 | | 303 |
| 80 | 2-4-6 | 125 | 160 | 158 | 130 | 100 | 50 | 19 | M6X16 | 40 | 6 | 15,5 | 80 | 10X13 | | 365 |
| 90S | 2-4-6 | 140 | 175 | 177 | 140 | 100 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 400 |
| 90L | 2-4-6 | 140 | 175 | 177 | 140 | 125 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 425 |
| 100 | 2-4-6 | 160 | 196 | 199 | 157 | 140 | 63 | 28 | M10X22 | 60 | 8 | 24 | 100 | 12X16 | | 480 |
| 112M | 2-4-6 | 190 | 220 | 220 | 168 | 140 | 70 | 28 | M10X22 | 60 | 8 | 24 | 112 | 12X16 | | 502 |
| 132S | 2-4-6 | 216 | 252 | 261 | 187 | 140 | 89 | 38 | M12X28 | 80 | 10 | 33 | | | | 552 |
| 132M | 2-4-6 | 216 | 252 | 261 | 187 | 178 | 89 | 38 | M12X28 | 80 | 10 | 33 | | | | 595 |
| 160M | 2-4-6 | | | | 210 | | | | M16X36 | 110 | | 37 | | | | 725 |
| 160L | 2-4-6 | | 254 | 320 | 330 | 265 | | 42 | M16X36 | 110 | | 37 | | | | 745 |
| 180M | 2-4-6 | | 279 | 350 | 380 | 280 | 241 | | M16X36 | 110 | | 42,5 | | | | 800 |
| 180L | 2-4-6 | | | | | | 279 | 121 | M16X36 | 110 | | 42,5 | | | | 845 |
| 200L | 2-4-6 | 318 | 395 | 420 | 315 | 305 | 133 | 55 | M20X42 | 110 | 16 | 49 | 200 | 18X25 | | 913 |
| 225S | 4 | 356 | 436 | 465 | 335 | 286 | 149 | 60 | M20X42 | 140 | 18 | 53 | | | | 940 |
| 225M | 2 | | 356 | 436 | 465 | 335 | 311 | 149 | | 55 | M20X42 | 110 | 16 | 49 | | 930 |
| | 2-4-6 | | | | | | | 60 | M20X42 | 140 | 18 | 53 | | | | 960 |
| 250M | 2 | | 406 | 495 | 520 | 375 | 349 | 168 | | 60 | M20X42 | 140 | 18 | 53 | | 1040 |
| | 4-6 | | | | | | | | 65 | M20X42 | 140 | 18 | 58 | | | 1045 |
| 280S | 2 | | 457 | 550 | 570 | 405 | 368 | 190 | | 65 | M20X42 | 140 | 18 | 58 | | 1070 |
| | 4-6 | | | | | | | | 75 | M20X42 | 140 | 20 | 67,5 | | | 1075 |
| 280M | 2 | | 457 | 550 | 570 | 405 | 419 | 190 | | 65 | M20X42 | 140 | 18 | 58 | | 1115 |
| | 4-6 | | | | | | | | 75 | M20X42 | 140 | 20 | 67,5 | | | 1120 |
| 315S | 2 | | 508 | 630 | 620 | 500 | 406 | 216 | | 65 | M20X42 | 140 | 18 | 58 | | 1280 |
| | 4-6 | | | | | | | | 80 | M20X42 | 170 | 22 | 71 | | | 1310 |
| 315M | 2 | | 508 | 630 | 620 | 500 | 457 | 216 | | 65 | M20X42 | 140 | 18 | 58 | | 1430 |
| | 4-6 | | | | | | | | 80 | M20X42 | 170 | 22 | 71 | | | 1460 |
| 315L | 2 | | 508 | 630 | 620 | 500 | 508 | 216 | | 65 | M20X42 | 140 | 18 | 58 | | 1430 |
| | 4-6 | | | | | | | | 80 | M20X42 | 170 | 22 | 71 | | | 1460 |
| 355M | 2 | | 610 | 735 | 700 | 645 | 560 | 254 | | 75 | M24X50 | 140 | 20 | 67,5 | | 1660 |
| | 4-6 | | | | | | | | 100 | M24X50 | 210 | 28 | 86 | | | 1790 |
| 355L | 2 | | 610 | 735 | 700 | 645 | 630 | 254 | | 75 | M24X50 | 140 | 20 | 67,5 | | 1660 |
| | 4-6 | | | | | | | | 100 | M24X50 | 210 | 28 | 86 | | | 1790 |

Sizes

MSEJ - electric motors with brakes

B14 small flange

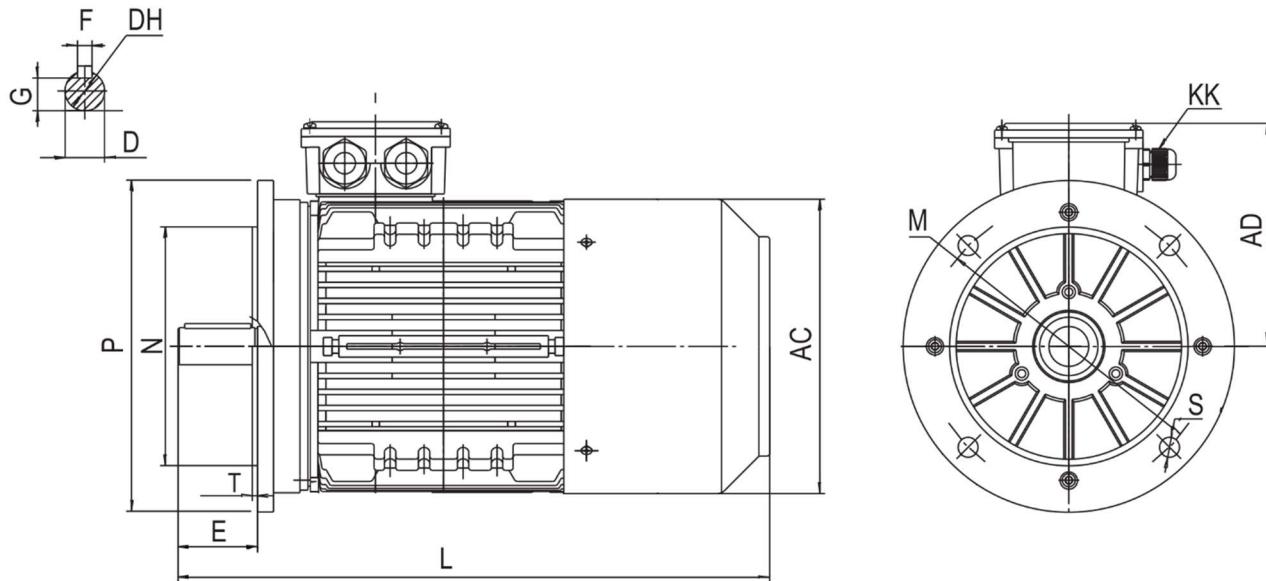


| Méret | Pole | AC | AD | D | DH | E | F | G | K | KK | L | M | N | P | S | T |
|-------|-------|-----|-----|----|--------|----|----|------|-------|-----------|-----|-----|-----|-----|-----|-----|
| 56 | 2-4-6 | 110 | 100 | 9 | M4X12 | 20 | 3 | 7,2 | 6 | M20 X 1,5 | 220 | 65 | 50 | 80 | M5 | 2,5 |
| 63 | 2-4-6 | 130 | 111 | 11 | M4X12 | 23 | 4 | 8,5 | 7 | | 303 | 75 | 60 | 90 | M5 | 2,5 |
| 71 | 2-4-6 | 145 | 118 | 14 | M5X12 | 30 | 5 | 11 | 7 | | 303 | 85 | 70 | 105 | M6 | 2,5 |
| 80 | 2-4-6 | 158 | 130 | 19 | M6X16 | 40 | 6 | 15,5 | 10X13 | | 365 | 100 | 80 | 120 | M6 | 3 |
| 90S | 2-4-6 | 177 | 140 | 24 | M8X19 | 50 | 8 | 20 | 10X13 | | 400 | 115 | 95 | 140 | M8 | 3 |
| 90L | 2-4-6 | 177 | 140 | 24 | M8X19 | 50 | 8 | 20 | 10X13 | | 425 | 115 | 95 | 140 | M8 | 3 |
| 100 | 2-4-6 | 199 | 157 | 28 | M10X22 | 60 | 8 | 24 | 12X16 | | 480 | 130 | 110 | 160 | M8 | 3,5 |
| 112 | 2-4-6 | 220 | 168 | 28 | M10X22 | 60 | 8 | 24 | 12X16 | M25 X 1,5 | 502 | 130 | 110 | 160 | M8 | 3,5 |
| 132S | 2-4-6 | 261 | 187 | 38 | M12X28 | 80 | 10 | 33 | 12X16 | | 552 | 165 | 130 | 200 | M10 | 3,5 |
| 132M | 2-4-6 | 261 | 187 | 38 | M12X28 | 80 | 10 | 33 | 12X16 | | 595 | 165 | 130 | 200 | M10 | 3,5 |

Sizes

MSEJ - electric motors with brakes

B5 large flange

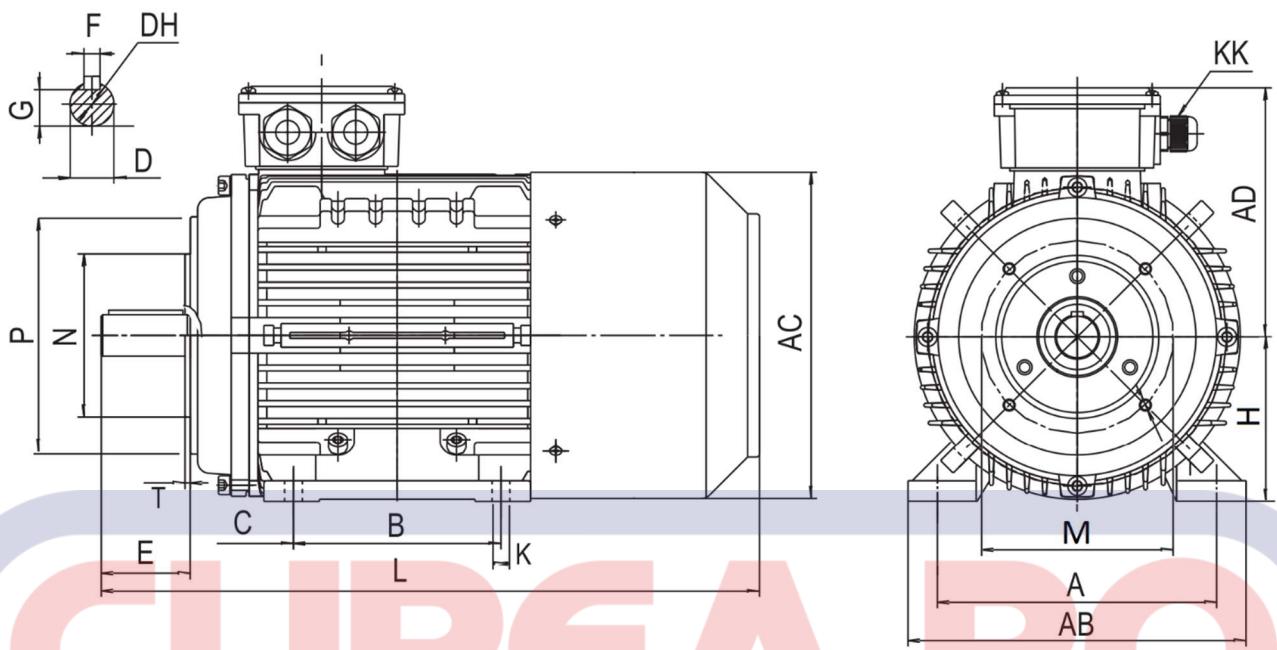


| Méret | Pole | AC | AD | D | DH | E | F | G | K | KK | L | M | N | P | S | T |
|-------|-------|-----|-----|----|--------|-----|----|------|-------|-----------|------|-----|-----|-----|------|-----|
| 56 | 2-4 | 110 | 100 | 9 | M4X12 | 20 | 3 | 7,2 | 6 | M20 X 1,5 | 220 | 100 | 80 | 120 | 7 | 3 |
| 63 | 2-4 | 130 | 111 | 11 | M4X12 | 23 | 4 | 8,5 | 7 | | 303 | 115 | 95 | 140 | 9,5 | 3 |
| 71 | 2-4 | 145 | 118 | 14 | M5X12 | 30 | 5 | 11 | 7 | | 303 | 130 | 110 | 160 | 9,5 | 3,5 |
| 80 | 2-4 | 158 | 130 | 19 | M6X16 | 40 | 6 | 15,5 | 10X13 | | 365 | 165 | 130 | 200 | 12 | 3,5 |
| 90S | 2-4-6 | 177 | 140 | 24 | M8X19 | 50 | 8 | 20 | 10X13 | | 400 | 165 | 130 | 200 | 12 | 3,5 |
| 90L | 2-4-6 | 177 | 140 | 24 | M8X19 | 50 | 8 | 20 | 10X13 | | 425 | 165 | 130 | 200 | 12 | 3,5 |
| 100 | 2-4-6 | 199 | 157 | 28 | M10X22 | 60 | 8 | 24 | 12X16 | | 480 | 215 | 180 | 250 | 15 | 4 |
| 112 | 2-4-6 | 220 | 168 | 28 | M10X22 | 60 | 8 | 24 | 12X16 | M25 X 1,5 | 502 | 215 | 180 | 250 | 15 | 4 |
| 132S | 2-4-6 | 261 | 187 | 38 | M12X28 | 80 | 10 | 33 | 12X16 | | 552 | 265 | 230 | 300 | 15 | 4 |
| 132M | 2-4-6 | 261 | 187 | 38 | M12X28 | 80 | 10 | 33 | 12X16 | | 595 | 265 | 230 | 300 | 15 | 4 |
| 160M | 2-4-6 | 330 | 265 | 42 | M16X36 | 110 | 12 | 37 | 14X19 | M32 X 1,5 | 725 | 300 | 250 | 350 | 18,5 | 5 |
| 160L | 2-4-6 | | | | M16X36 | 110 | | 37 | 14X19 | | 745 | | | | 18,5 | 5 |
| 180M | 2-4-6 | 380 | 280 | 48 | M16X36 | 110 | 14 | 42,5 | 14X19 | | 800 | | | | 18,5 | 5 |
| 180L | 2-4-6 | | | | M16X36 | 110 | | 42,5 | 14X19 | | 845 | | | | 18,5 | 5 |
| 200L | 2-4-6 | 420 | 315 | 55 | M20X42 | 110 | 16 | 49 | 18X25 | M40 X 1,5 | 913 | 350 | 300 | 400 | 18,5 | 5 |
| 225S | 4 | 465 | 335 | 60 | M20X42 | 140 | 18 | 53 | 18X25 | | 940 | 400 | 350 | 450 | 18,5 | 5 |
| 225M | 2 | 465 | 335 | 55 | M20X42 | 110 | 16 | 49 | 18X25 | | 930 | | | | 18,5 | 5 |
| | 2-4-6 | | | | M20X42 | 140 | 18 | 53 | 18X25 | | 960 | | | | 18,5 | 5 |
| 250M | 2 | 520 | 375 | 60 | M20X42 | 140 | 18 | 53 | 24X33 | M50 X 1,5 | 1040 | 500 | 450 | 550 | 18,5 | 5 |
| | 4-6 | | | | M20X42 | 140 | 18 | 58 | 24X33 | | 1045 | | | | 18,5 | 5 |
| 280S | 2 | 570 | 405 | 65 | M20X42 | 140 | 18 | 58 | 24X33 | | 1070 | | | | 18,5 | 5 |
| | 4-6 | | | | M20X42 | 140 | 20 | 67,5 | 24X33 | | 1075 | | | | 18,5 | 5 |
| 280M | 2 | 570 | 405 | 65 | M20X42 | 140 | 18 | 58 | 24X33 | | 1115 | 600 | 550 | 660 | 18,5 | 5 |
| | 4-6 | | | | M20X42 | 140 | 20 | 67,5 | 24X33 | | 1120 | | | | 18,5 | 5 |
| 315S | 2 | 620 | 500 | 65 | M20X42 | 140 | 18 | 58 | 28X49 | M63 X 1,5 | 1280 | 600 | 550 | 660 | 24 | 6 |
| | 4-6 | | | | M20X42 | 170 | 22 | 71 | 28X49 | | 1310 | | | | 24 | 6 |
| 315M | 2 | 620 | 500 | 65 | M20X42 | 140 | 18 | 58 | 28X49 | | 1430 | | | | 24 | 6 |
| | 4-6 | | | | M20X42 | 170 | 22 | 71 | 28X49 | | 1460 | | | | 24 | 6 |
| 315L | 2 | 620 | 500 | 65 | M20X42 | 140 | 18 | 58 | 28X49 | | 1430 | 740 | 680 | 800 | 24 | 6 |
| | 4-6 | | | | M20X42 | 170 | 22 | 71 | 28X49 | | 1460 | | | | 24 | 6 |
| 355M | 2 | 700 | 645 | 75 | M24X50 | 140 | 20 | 67,5 | 28X49 | | 1660 | | | | 24 | 6 |
| | 4-6 | | | | M24X50 | 210 | 28 | 86 | 28X49 | | 1790 | | | | 24 | 6 |
| 355L | 2 | 700 | 645 | 75 | M24X50 | 140 | 20 | 67,5 | 28X49 | | 1660 | | | | 24 | 6 |
| | 4-6 | | | | M24X50 | 210 | 28 | 86 | 28X49 | | 1790 | | | | 24 | 6 |

Sizes

MSEJ - electric motors with brakes

B34 foot-small flange

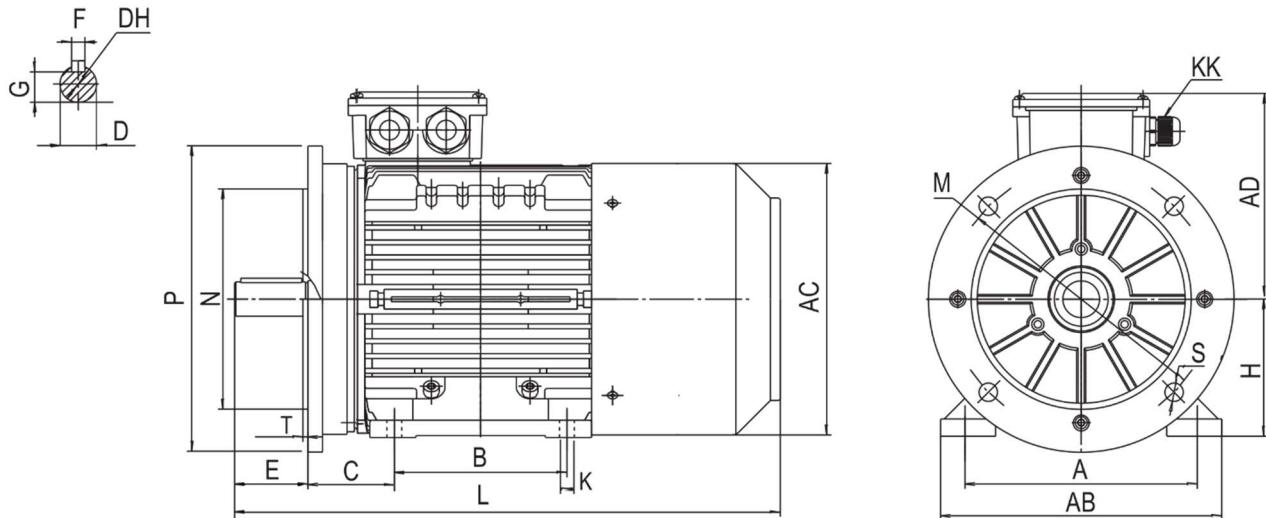


| Méret | Pole | A | AB | AC | AD | B | C | D | DH | E | F | G | H | K | KK | L | M | N | P | S | T |
|-------|-------|-----|-----|-----|-----|-----|----|----|--------|----|----|-----|-----|-------|-----------------|-----|-----|-----|-----|-----|-----|
| 56 | 2-4-6 | 90 | 115 | 110 | 100 | 71 | 36 | 9 | M4X12 | 20 | 3 | 7,2 | 56 | 6 | M20 X 1,5 | 220 | 65 | 50 | 80 | M5 | 2,5 |
| 63 | 2-4-6 | 100 | 135 | 130 | 111 | 80 | 40 | 11 | M4X12 | 23 | 4 | 8,5 | 63 | 7 | | 303 | 75 | 60 | 90 | M5 | 2,5 |
| 71 | 2-4-6 | 112 | 150 | 145 | 118 | 90 | 45 | 14 | M5X12 | 30 | 5 | 11 | 71 | 7 | | 303 | 85 | 70 | 105 | M6 | 2,5 |
| 80 | 2-4 | 125 | 160 | 158 | 130 | 100 | 50 | 19 | M6X16 | 40 | 6 | 16 | 80 | 10X13 | | 365 | 100 | 80 | 120 | M6 | 3 |
| 90S | 2-4-6 | 140 | 175 | 177 | 140 | 100 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 400 | 115 | 95 | 140 | M8 | 3 |
| 90L | 2-4-6 | 140 | 175 | 177 | 140 | 125 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 425 | 115 | 95 | 140 | M8 | 3 |
| 100 | 2-4-6 | 160 | 196 | 199 | 157 | 140 | 63 | 28 | M10X22 | 60 | 8 | 24 | 100 | 12X16 | | 480 | 130 | 110 | 160 | M8 | 3,5 |
| 112 | 2-4-6 | 190 | 220 | 220 | 168 | 140 | 70 | 28 | M10X22 | 60 | 8 | 24 | 112 | 12X16 | M25 X 1,5 | 502 | 130 | 110 | 160 | M8 | 3,5 |
| 132S | 2-4-6 | 216 | 252 | 261 | 187 | 140 | 89 | 38 | M12X28 | 80 | 10 | 33 | 132 | 12X16 | | 552 | 165 | 130 | 200 | M10 | 3,5 |
| 132M | 2-4-6 | 216 | 252 | 261 | 187 | 178 | 89 | 38 | M12X28 | 80 | 10 | 33 | | 12X16 | | 595 | 165 | 130 | 200 | M10 | 3,5 |

Sizes

MSEJ - electric motors with brakes

B35 foot-large flange



| Méret | Pole | A | AB | AC | AD | B | C | D | DH | E | F | G | H | K | KK | L | M | N | P | S | T | |
|-------|-------|-----|-----|-----|-----|-----|-----|-----|--------|--------|-----|-----|-----|-------|-----------|-------|------|-----|-----|-----|-----|---|
| 56 | 2-4-6 | 90 | 115 | 110 | 100 | 71 | 36 | 9 | M4X12 | 20 | 3 | 7,2 | 56 | 6 | | 220 | 100 | 80 | 120 | 7 | 3 | |
| 63 | 2-4-6 | 100 | 135 | 130 | 111 | 80 | 40 | 11 | M4X12 | 23 | 4 | 8,5 | 63 | 7 | | 303 | 115 | 95 | 140 | 9,5 | 3 | |
| 71 | 2-4-6 | 112 | 150 | 145 | 118 | 90 | 45 | 14 | M5X12 | 30 | 5 | 11 | 71 | 7 | M20 | 303 | 130 | 110 | 160 | 9,5 | 3,5 | |
| 80 | 2-4 | 125 | 160 | 158 | 130 | 100 | 50 | 19 | M6X16 | 40 | 6 | 16 | 80 | 10X13 | X 1,5 | 365 | 165 | 130 | 200 | 12 | 3,5 | |
| 90S | 2-4-6 | 140 | 175 | 177 | 140 | 100 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 400 | 165 | 130 | 200 | 12 | 3,5 | |
| 90L | 2-4-6 | 140 | 175 | 177 | 140 | 125 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 425 | 165 | 130 | 200 | 12 | 3,5 | |
| 100 | 2-4-6 | 160 | 196 | 199 | 157 | 140 | 63 | 28 | M10X22 | 60 | 8 | 24 | 100 | 12X16 | | 480 | 215 | 180 | 250 | 15 | 4 | |
| 112 | 2-4-6 | 190 | 220 | 220 | 168 | 140 | 70 | 28 | M10X22 | 60 | 8 | 24 | 112 | 12X16 | M25 | 502 | 215 | 180 | 250 | 15 | 4 | |
| 132S | 2-4-6 | 216 | 252 | 261 | 187 | 140 | 89 | 38 | M12X28 | 80 | 10 | 33 | | 132 | X 1,5 | 552 | 265 | 230 | 300 | 15 | 4 | |
| 132M | 2-4-6 | 216 | 252 | 261 | 187 | 178 | 89 | 38 | M12X28 | 80 | 10 | 33 | | 12X16 | | 595 | 265 | 230 | 300 | 15 | 4 | |
| 160M | 2-4-6 | | 254 | 320 | 330 | 265 | 210 | 42 | M16X36 | 110 | 12 | 37 | | 160 | 14X19 | 725 | | | | 19 | 5 | |
| 160L | 2-4-6 | | | | | 254 | | | M16X36 | 110 | | 37 | | | 14X19 | 745 | | | | 19 | 5 | |
| 180M | 2-4-6 | | 279 | 350 | 380 | 280 | 241 | 42 | M16X36 | 110 | 14 | 43 | | 180 | 14X19 | 800 | | | | 19 | 5 | |
| 180L | 2-4-6 | | | | | 279 | | | M16X36 | 110 | | 43 | | | 14X19 | 845 | | | | 19 | 5 | |
| 200L | 2-4-6 | 318 | 395 | 420 | 315 | 305 | 133 | 55 | M20X42 | 110 | 16 | 49 | 200 | 18X25 | M40 X 1,5 | 913 | 350 | 300 | 400 | 19 | 5 | |
| 225S | 4 | 356 | 436 | 465 | 335 | 286 | 149 | 60 | M20X42 | 140 | 18 | 53 | | 225 | 18X25 | 940 | | | | 19 | 5 | |
| 225M | 2 | | 356 | 436 | 465 | 335 | 311 | 149 | 55 | M20X42 | 110 | 16 | 49 | | | 18X25 | 930 | | | 450 | 19 | 5 |
| 225M | 2-4-6 | | | | | | 60 | | M20X42 | 140 | 18 | 53 | | | 18X25 | 960 | | | | 19 | 5 | |
| 250M | 2 | | 406 | 495 | 520 | 375 | 349 | 168 | 60 | M20X42 | 140 | 18 | 53 | | 250 | 24X33 | 1040 | | | | 19 | 5 |
| 250M | 4-6 | | | | | | 65 | | M20X42 | 140 | 18 | 58 | | | 24X33 | 1045 | | | | 19 | 5 | |
| 280S | 2 | | 457 | 550 | 570 | 405 | 368 | 190 | 65 | M20X42 | 140 | 18 | 58 | | 280 | 24X33 | 1070 | | | 550 | 19 | 5 |
| 280S | 4-6 | | | | | | 75 | | M20X42 | 140 | 20 | 68 | | | 24X33 | 1075 | | | | 19 | 5 | |
| 280M | 2 | | 457 | 550 | 570 | 405 | 419 | 190 | 65 | M20X42 | 140 | 18 | 58 | | | 24X33 | 1115 | | | | 19 | 5 |
| 280M | 4-6 | | | | | | 75 | | M20X42 | 140 | 20 | 68 | | | 24X33 | 1120 | | | | 19 | 5 | |
| 315S | 2 | | 508 | 630 | 620 | 500 | 406 | 216 | 65 | M20X42 | 140 | 18 | 58 | | 315 | 28X49 | 1280 | | | | 24 | 6 |
| 315S | 4-6 | | | | | | 80 | | M20X42 | 170 | 22 | 71 | | | 28X49 | 1310 | | | | 24 | 6 | |
| 315M | 2 | | 508 | 630 | 620 | 500 | 457 | 216 | 65 | M20X42 | 140 | 18 | 58 | | | 28X49 | 1430 | | | | 24 | 6 |
| 315M | 4-6 | | | | | | 80 | | M20X42 | 170 | 22 | 71 | | | 28X49 | 1460 | | | | 24 | 6 | |
| 315L | 2 | | 508 | 630 | 620 | 500 | 508 | 216 | 65 | M20X42 | 140 | 18 | 58 | | | 28X49 | 1430 | | | | 24 | 6 |
| 315L | 4-6 | | | | | | 80 | | M20X42 | 170 | 22 | 71 | | | 28X49 | 1460 | | | | 24 | 6 | |
| 355M | 2 | | 610 | 735 | 700 | 645 | 560 | 254 | 75 | M24X50 | 140 | 20 | 68 | | 355 | 28X49 | 1660 | | | | 24 | 6 |
| 355M | 4-6 | | | | | | 100 | | M24X50 | 210 | 28 | 86 | | | 28X49 | 1790 | | | | 24 | 6 | |
| 355L | 2 | | 610 | 735 | 700 | 645 | 630 | 254 | 75 | M24X50 | 140 | 20 | 68 | | | 28X49 | 1660 | | | | 24 | 6 |
| 355L | 4-6 | | | | | | 100 | | M24X50 | 210 | 28 | 86 | | | 28X49 | 1790 | | | | 24 | 6 | |

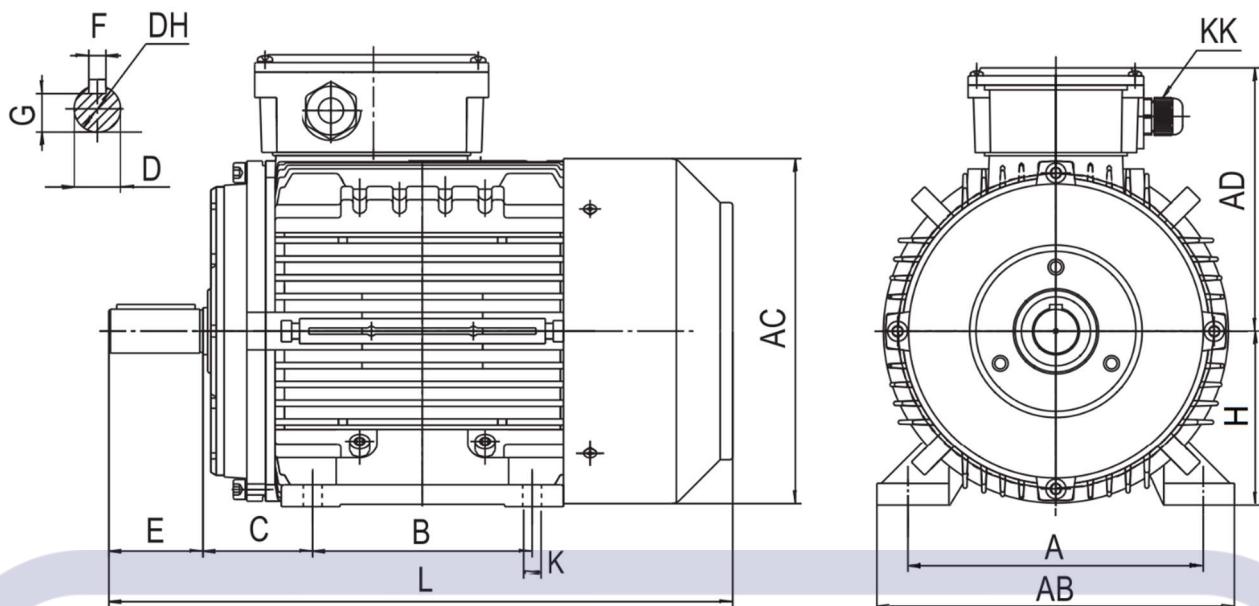
MYT - single phase electric motors



Sizes

MYT - single phase electric motors

B3 foot mounted

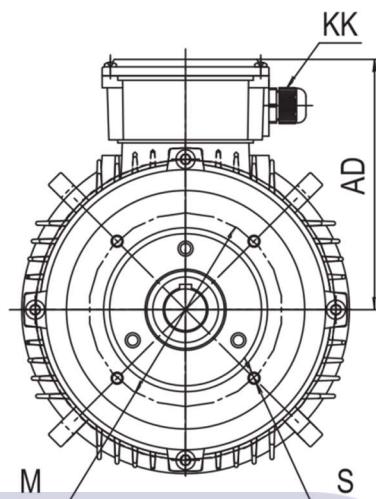
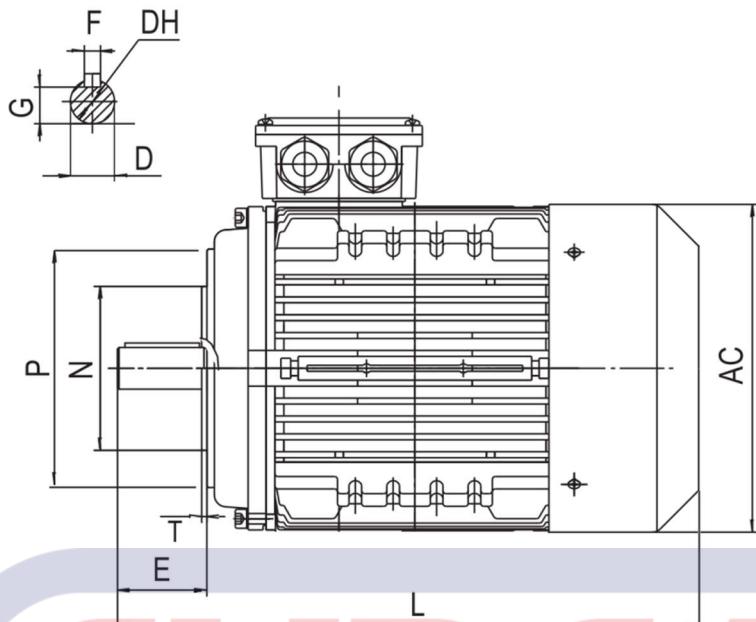


| Size | Pole | A | AB | AC | AD | B | C | D | DH | E | F | G | H | K | KK | L | LB |
|------|-------|-----|-----|-----|-----|-----|----|----|--------|----|---|------|-----|-------|-----|-----|-----|
| 56 | 2-4-6 | 90 | 115 | 110 | 100 | 71 | 36 | 9 | M4X12 | 20 | 3 | 7,2 | 56 | 6 | | 199 | 220 |
| 63 | 2-4-6 | 100 | 135 | 130 | 114 | 80 | 40 | 11 | M4X12 | 23 | 4 | 8,5 | 63 | 7 | | 217 | 242 |
| 71 | 2-4-6 | 112 | 150 | 145 | 124 | 90 | 45 | 14 | M5X12 | 30 | 5 | 11 | 71 | 7 | M20 | 245 | 265 |
| 80 | 2-4-6 | 125 | 160 | 158 | 152 | 100 | 50 | 19 | M6X16 | 40 | 6 | 15,5 | 80 | 10X13 | X | 277 | 303 |
| 90S | 2-4-6 | 140 | 175 | 177 | 157 | 100 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | 1,5 | 312 | 340 |
| 90L | 2-4-6 | 140 | 175 | 177 | 157 | 125 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 337 | 370 |
| 100 | 2-4-6 | 160 | 196 | 199 | 172 | 140 | 63 | 28 | M10X22 | 60 | 8 | 24 | 100 | 12X16 | | 375 | 414 |

Sizes

MYT - single phase electric motors

B14 small flange

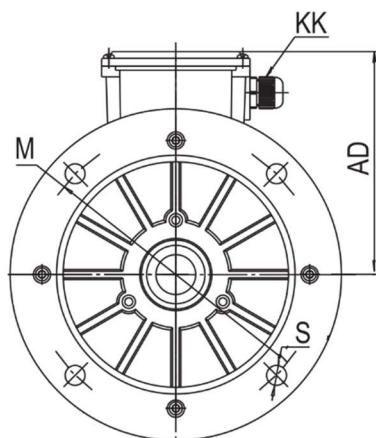
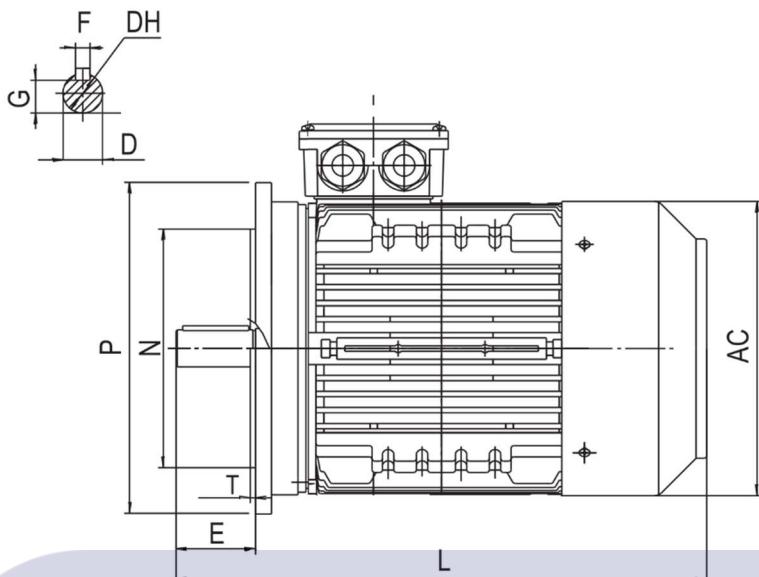


| Size | Pole | AC | AD | D | DH | E | F | G | K | KK | L | LB | M | N | P | S | T |
|------|-------|-----|-----|----|--------|----|---|------|-------|-----------|-----|-----|-----|-----|-----|----|-----|
| 56 | 2-4-6 | 110 | 100 | 9 | M4X12 | 20 | 3 | 7,2 | 6 | M20 X 1,5 | 199 | 220 | 65 | 50 | 80 | M5 | 2,5 |
| 63 | 2-4-6 | 130 | 114 | 11 | M4X12 | 23 | 4 | 8,5 | 7 | | 217 | 242 | 75 | 60 | 90 | M5 | 2,5 |
| 71 | 2-4-6 | 145 | 124 | 14 | M5X12 | 30 | 5 | 11 | 7 | | 245 | 265 | 85 | 70 | 105 | M6 | 2,5 |
| 80 | 2-4-6 | 158 | 152 | 19 | M6X16 | 40 | 6 | 15,5 | 10X13 | | 277 | 303 | 100 | 80 | 120 | M6 | 3 |
| 90S | 2-4-6 | 177 | 157 | 24 | M8X19 | 50 | 8 | 20 | 10X13 | | 312 | 340 | 115 | 95 | 140 | M8 | 3 |
| 90L | 2-4-6 | 177 | 157 | 24 | M8X19 | 50 | 8 | 20 | 10X13 | | 337 | 370 | 115 | 95 | 140 | M8 | 3 |
| 100 | 2-4-6 | 199 | 172 | 28 | M10X22 | 60 | 8 | 24 | 12X16 | | 375 | 414 | 130 | 110 | 160 | M8 | 3,5 |

Sizes

MYT - single phase electric motors

B5 large flange

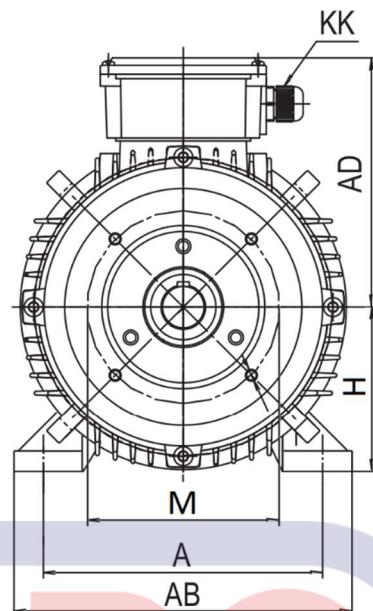
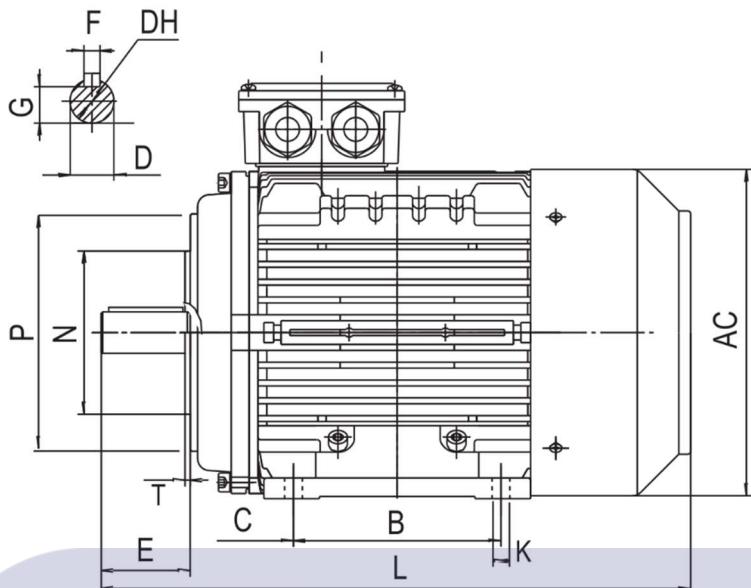


| Size | Pole | AC | AD | D | DH | E | F | G | K | KK | L | LB | M | N | P | S | T |
|------|-------|-----|-----|----|--------|----|---|------|-------|-----|-----|-----|-----|-----|-----|-----|-----|
| 56 | 2-4 | 110 | 100 | 9 | M4X12 | 20 | 3 | 7,2 | 6 | | 199 | 220 | 100 | 80 | 120 | 7 | 3 |
| 63 | 2-4 | 130 | 114 | 11 | M4X12 | 23 | 4 | 8,5 | 7 | | 217 | 242 | 115 | 95 | 140 | 9,5 | 3 |
| 71 | 2-4 | 145 | 124 | 14 | M5X12 | 30 | 5 | 11 | 7 | | 245 | 265 | 130 | 110 | 160 | 9,5 | 3,5 |
| 80 | 2-4 | 158 | 152 | 19 | M6X16 | 40 | 6 | 15,5 | 10X13 | X | 277 | 303 | 165 | 130 | 200 | 12 | 3,5 |
| 90S | 2-4-6 | 177 | 157 | 24 | M8X19 | 50 | 8 | 20 | 10X13 | 1,5 | 312 | 340 | 165 | 130 | 200 | 12 | 3,5 |
| 90L | 2-4-6 | 177 | 157 | 24 | M8X19 | 50 | 8 | 20 | 10X13 | | 337 | 370 | 165 | 130 | 200 | 12 | 3,5 |
| 100 | 2-4-6 | 199 | 172 | 28 | M10X22 | 60 | 8 | 24 | 12X16 | | 375 | 414 | 215 | 180 | 250 | 15 | 4 |

Sizes

MYT - single phase electric motors

B34 foot-small flange

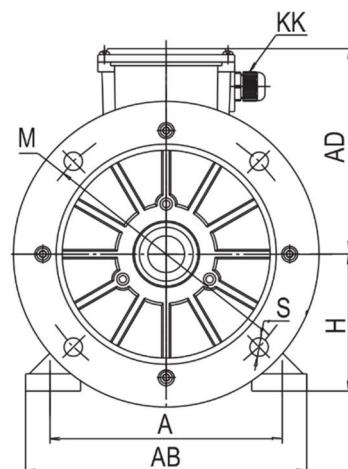
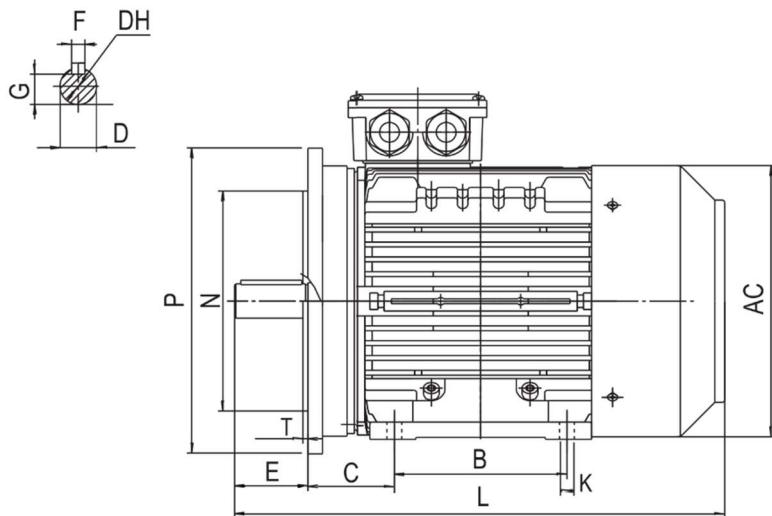


| Size | Pole | A | AB | AC | AD | B | C | D | DH | E | F | G | H | K | KK | L | LB | M | N | P | S | T |
|------|-------|-----|-----|-----|-----|-----|----|----|--------|----|---|-----|-----|-------|-----------|-----|-----|-----|-----|-----|----|-----|
| 56 | 2-4-6 | 90 | 115 | 110 | 100 | 71 | 36 | 9 | M4X12 | 20 | 3 | 7,2 | 56 | 6 | M20 X 1,5 | 199 | 220 | 65 | 50 | 80 | M5 | 2,5 |
| 63 | 2-4-6 | 100 | 135 | 130 | 114 | 80 | 40 | 11 | M4X12 | 23 | 4 | 8,5 | 63 | 7 | | 217 | 242 | 75 | 60 | 90 | M5 | 2,5 |
| 71 | 2-4-6 | 112 | 150 | 145 | 124 | 90 | 45 | 14 | M5X12 | 30 | 5 | 11 | 71 | 7 | | 245 | 265 | 85 | 70 | 105 | M6 | 2,5 |
| 80 | 2-4 | 125 | 160 | 158 | 152 | 100 | 50 | 19 | M6X16 | 40 | 6 | 16 | 80 | 10X13 | | 277 | 303 | 100 | 80 | 120 | M6 | 3 |
| 90S | 2-4-6 | 140 | 175 | 177 | 157 | 100 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 312 | 340 | 115 | 95 | 140 | M8 | 3 |
| 90L | 2-4-6 | 140 | 175 | 177 | 157 | 125 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 337 | 370 | 115 | 95 | 140 | M8 | 3 |
| 100 | 2-4-6 | 160 | 196 | 199 | 172 | 140 | 63 | 28 | M10X22 | 60 | 8 | 24 | 100 | 12X16 | | 375 | 414 | 130 | 110 | 160 | M8 | 3,5 |

Sizes

MYT - single phase electric motors

B35 foot-large flange



| Size | Poles | A | AB | AC | AD | B | C | D | DH | E | F | G | H | K | KK | L | LB | M | N | P | S | T |
|------|-------|-----|-----|-----|-----|-----|----|----|--------|----|---|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|
| 56 | 2-4-6 | 90 | 115 | 110 | 100 | 71 | 36 | 9 | M4X12 | 20 | 3 | 7,2 | 56 | 6 | | 199 | 220 | 100 | 80 | 120 | 7 | 3 |
| 63 | 2-4-6 | 100 | 135 | 130 | 114 | 80 | 40 | 11 | M4X12 | 23 | 4 | 8,5 | 63 | 7 | | 217 | 242 | 115 | 95 | 140 | 9,5 | 3 |
| 71 | 2-4-6 | 112 | 150 | 145 | 124 | 90 | 45 | 14 | M5X12 | 30 | 5 | 11 | 71 | 7 | | 245 | 265 | 130 | 110 | 160 | 9,5 | 3,5 |
| 80 | 2-4 | 125 | 160 | 158 | 152 | 100 | 50 | 19 | M6X16 | 40 | 6 | 16 | 80 | 10X13 | X | 277 | 303 | 165 | 130 | 200 | 12 | 3,5 |
| 90S | 2-4-6 | 140 | 175 | 177 | 157 | 100 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | 1,5 | 312 | 340 | 165 | 130 | 200 | 12 | 3,5 |
| 90L | 2-4-6 | 140 | 175 | 177 | 157 | 125 | 56 | 24 | M8X19 | 50 | 8 | 20 | 90 | 10X13 | | 337 | 370 | 165 | 130 | 200 | 12 | 3,5 |
| 100 | 2-4-6 | 160 | 196 | 199 | 172 | 140 | 63 | 28 | M10X22 | 60 | 8 | 24 | 100 | 12X16 | | 375 | 414 | 215 | 180 | 250 | 15 | 4 |



WWW.MORGENSEN.DE