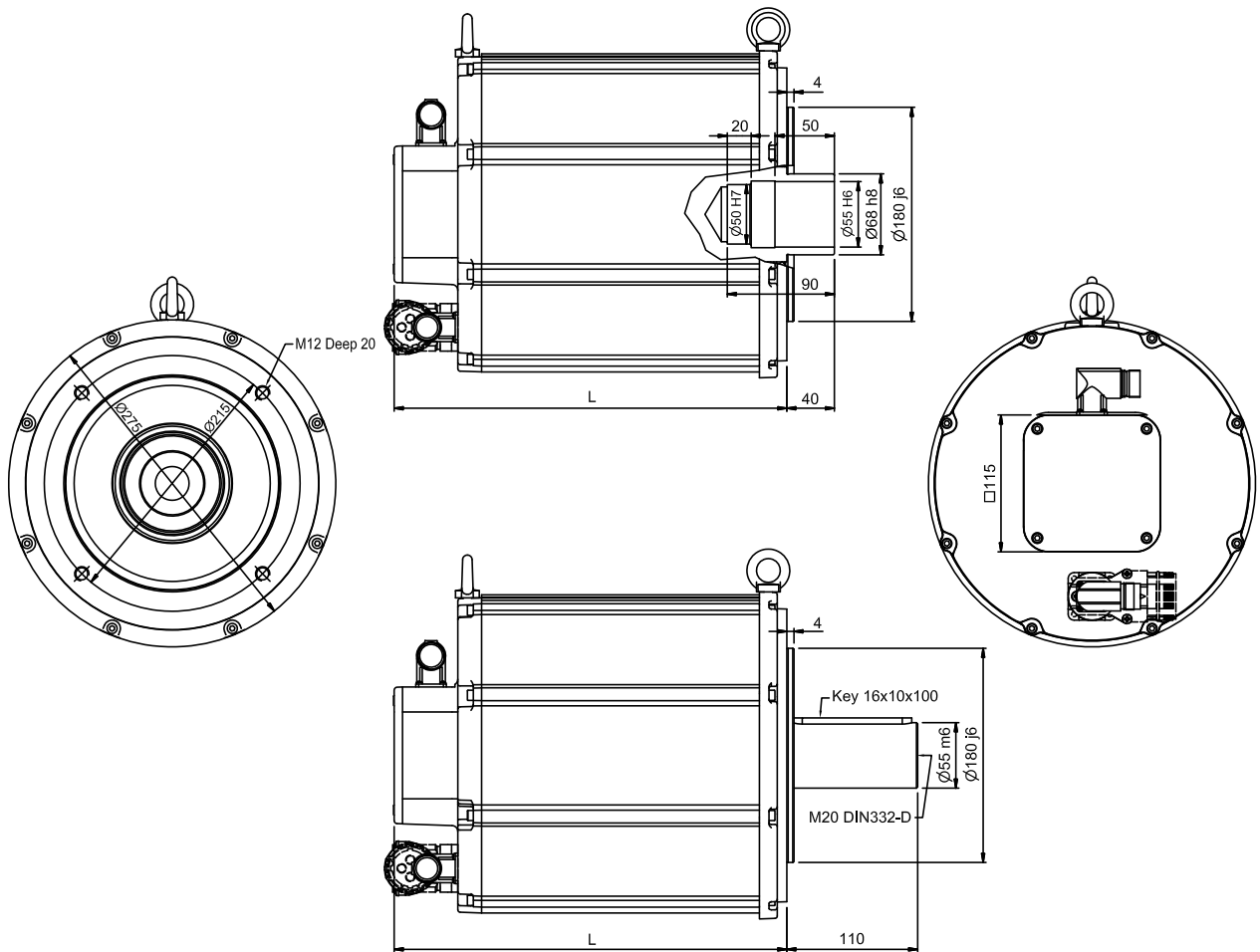
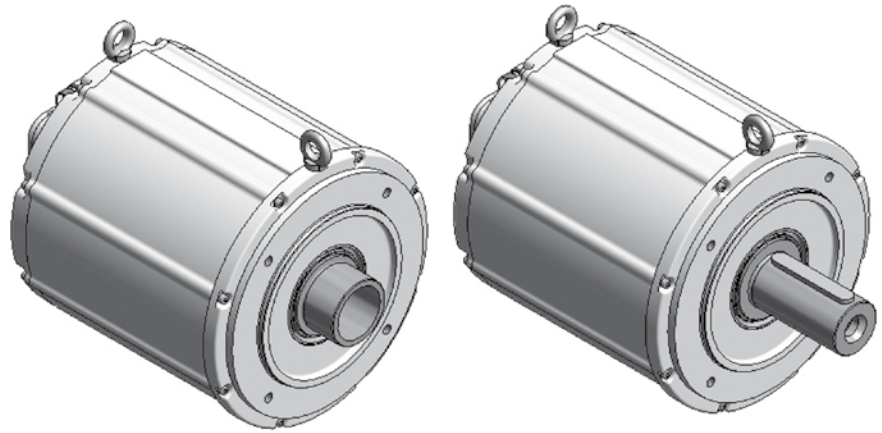


FOR MAINS VOLTAGE
400 V



MECHANICAL DATA

| Type | Torque Nm | Length (L) mm | Weight Kg |
|---------|--------------|------------------|--------------|
| B16.50P | 50 | 230 | 33.0 |
| B16.C0P | 100 | 280 | 50.0 |
| B16.C5P | 150 | 330 | 67.0 |
| B16.B0P | 200 | 380 | 84.0 |
| B16.B4P | 240 | 420 | 98.0 |

FOR MAINS VOLTAGE
400 V

| Type | Stall torque ($\Delta t=105^{\circ}\text{C}$) | Rated speed | Rated power | Rated torque ($\Delta t=105^{\circ}\text{C}$) | Peak torque | Maximum speed | Moment of inertia | Peak torque acceleration | Thermal time constant | Thermal protection threshold | Voltage constant | Torque constant | Resistance phase to phase (20°C) | Inductance phase to phase | B.E.M.F. at rated speed | Stall current | Rated current |
|-----------------------------------|--|-------------|-------------|--|-------------|---------------|--------------------|--------------------------|-----------------------|------------------------------|------------------|-----------------|---|---------------------------|-------------------------|---------------|---------------|
| | M_o | n | P_n | M_n | M_{pk} | n_{max} | J | a_{pk} | T_{th} | ϑ_{max} | k_e | k_t | R_w | L_w | E_n | I_o | I_n |
| | Nm | 1/min | kW | Nm | Nm | rpm | 10^{-4} Kg m^2 | rad/sec 2 | min | $^{\circ}\text{C}$ | Vs | Nm/A | Ω | mH | Vrms | Arms | Arms |
| 300 min$^{-1}$ | | | | | | | | | | | | | | | | | |
| B16.50P | 50 | 300 | 1.5 | 48 | 173 | 1200 | 409 | 4230 | 50 | 140 | 9.70 | 16.80 | 10.9 | 82.6 | 305 | 3.0 | 2.9 |
| B16.C0P | 100 | 300 | 3.0 | 95 | 345 | 1200 | 784 | 4401 | 70 | 140 | 9.70 | 16.80 | 4.25 | 39.9 | 305 | 6.0 | 5.7 |
| B16.C5P | 150 | 300 | 4.5 | 142 | 510 | 1200 | 1159 | 4400 | 90 | 140 | 9.70 | 16.80 | 2.82 | 27.5 | 305 | 8.9 | 8.5 |
| B16.B0P | 200 | 300 | 5.9 | 188 | 680 | 1200 | 1534 | 4433 | 110 | 140 | 9.70 | 16.80 | 1.97 | 20.9 | 305 | 11.9 | 11.2 |
| B16.B4P | 240 | 300 | 7.1 | 225 | 816 | 1200 | 1833 | 4452 | 130 | 140 | 9.70 | 16.80 | 1.76 | 18.1 | 305 | 14.3 | 13.4 |
| 500 min$^{-1}$ | | | | | | | | | | | | | | | | | |
| B16.50P | 50 | 500 | 2.4 | 45 | 173 | 1200 | 409 | 4230 | 50 | 140 | 5.80 | 10.05 | 3.72 | 29.0 | 305 | 5.0 | 4.5 |
| B16.C0P | 100 | 500 | 4.7 | 90 | 345 | 1200 | 784 | 4401 | 70 | 140 | 5.80 | 10.05 | 1.63 | 15.1 | 305 | 10.0 | 9.0 |
| B16.C5P | 150 | 500 | 7.1 | 135 | 510 | 1200 | 1159 | 4400 | 90 | 140 | 5.80 | 10.05 | 0.96 | 9.41 | 305 | 14.9 | 13.4 |
| B16.B0P | 200 | 500 | 9.4 | 180 | 680 | 1200 | 1534 | 4433 | 110 | 140 | 5.80 | 10.05 | 0.72 | 7.40 | 305 | 19.9 | 17.9 |
| B16.B4P | 240 | 500 | 11.1 | 212 | 816 | 1200 | 1833 | 4452 | 130 | 140 | 5.80 | 10.05 | 0.66 | 6.63 | 305 | 23.9 | 21.1 |
| 1000 min$^{-1}$ | | | | | | | | | | | | | | | | | |
| B16.50P | 50 | 1000 | 4.1 | 39 | 173 | 1200 | 409 | 4230 | 50 | 140 | 2.85 | 4.94 | 0.82 | 6.6 | 298 | 10.1 | 7.9 |
| B16.C0P | 100 | 1000 | 8.1 | 77 | 345 | 1200 | 784 | 4401 | 70 | 140 | 2.85 | 4.94 | 0.40 | 3.42 | 298 | 20.3 | 15.6 |
| B16.C5P | 150 | 1000 | 12.1 | 116 | 510 | 1200 | 1159 | 4400 | 90 | 140 | 2.85 | 4.94 | 0.24 | 2.42 | 298 | 30.4 | 23.5 |
| B16.B0P | 200 | 1000 | 16.0 | 153 | 680 | 1200 | 1534 | 4433 | 110 | 140 | 2.85 | 4.94 | 0.17 | 1.76 | 298 | 40.5 | 31.0 |
| B16.B4P | 240 | 1000 | 19.1 | 182 | 816 | 1200 | 1833 | 4452 | 130 | 140 | 2.85 | 4.94 | 0.14 | 1.52 | 298 | 48.6 | 36.9 |

* The value of inertia is approximate, because it is deeply depending on the type of coupling chosen by the customer.

** The value of stall and rated torque are approximate and depending on the type of coupling system chosen for the application.