

DATASHEET

THREE PHASE INDUCTION MOTOR - SQUIRREL CAGE

IE3

Type : 3EL160L6E-PA-BA-C34

RE: 894750

Date : 03.01.2022

Power [kW] : 11.0
 Input Voltage [V] : 400
 Connection Type [Δ / Y] : Δ
 Frequency [Hz] : 50
 Pole Number : 6
 Nominal Speed [rpm] : 972
 Nominal Current [A] : 22.9
 Nominal Moment [Nm] : 108
 Nominal Efficiency [η] : 90.3
 Power Factor [cosφ] : 0.77
 Locked Rotor Current [Ia/In] : 6.6
 Locked Rotor Torque [Ma/Mn] : 2.9
 Breakdown Torque [Mk/Mn] : 3.3
 Motor Color : RAL 7031
 Ambient Temperature : -15°C / +40°C

Efficiency Class : IE3
 Duty Cycle : S1
 Service Factor : 1.20
 Frame Size : 160L
 Weight [kg] : 104
 Insulation Class : F [155°C]
 Temperature Rise : B [80°K]
 Protection Class : IP55
 Vibration Severity Grade : A
 Method of Cooling : IC411
 Direction of Rotation : Bidirectional
 Balance : Half Key
 Motor Protection : PTC
 Altitude Above Sea Level : 1000m
 Sound Pressure Level [dBA] : 62

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%]	cosφ
Δ	400	50	11.0	972	22.9	90.3	0.77
Y	690	50	11.0	972	13.2	90.3	0.77
Δ	460	60	12.8	1170	22.4	91.7	0.78

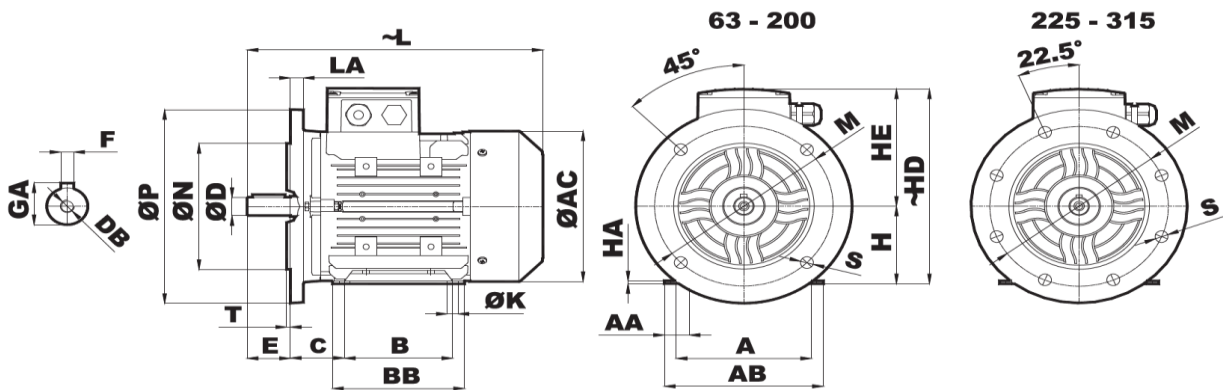
MECHANICAL DATA

Moment of Inertia [kgm²] : 0.08580
 Bearing DS / NS : 6309ZZ / 6209ZZ
 Frame Material : Aluminum
 Flange Type / Material : B35 / Aluminum
 Cooling Fan Material : Plastic
 End Shield Material : Aluminum

TERMINAL BOX

Terminal Box Material : Aluminum
 Terminal Box Position : Top
 Terminal Box Cable Entry : 2xM32x1.5
 Terminal Box Blind Cap : --
 Contact Screw Thread : M6

MECHANICAL DIMENSIONS



FLANGE TYPE	D	E	N	P	T	LA	L	AC	S	M	H	HE	HD	F	GA	DB	C	ØK	B	BB	HA	AA	A	AB
B35	42	110	250	350	5	20	605	316	18.5	300	160	224	384	12	45	M16	108	14.5	254	323	15	65	254	295

Manufactured and tested in accordance with IEC 60034

FR.AG.010 REV. NO: 03 REV TARİHİ : 01.01.2021

*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

*MECALINE has right to change all the data without prior notice.