

Type : 3EL160M6D-FC-BA-C34

RE: 891586

Date : 03.01.2022

Power [kW] : 7.50
 Input Voltage [V] : 400
 Connection Type [Δ / Y] : Δ
 Frequency [Hz] : 50
 Pole Number : 6
 Nominal Speed [rpm] : 972
 Nominal Current [A] : 15.6
 Nominal Moment [Nm] : 73.7
 Nominal Efficiency [η] : 89.1
 Power Factor [$\cos\phi$] : 0.78
 Locked Rotor Current [I_a/I_n] : 6.3
 Locked Rotor Torque [Ma/Mn] : 2.6
 Breakdown Torque [Mk/Mn] : 3.0
 Motor Color : RAL 7031
 Ambient Temperature : -15°C / +40°C

Efficiency Class : IE3
 Duty Cycle : S1
 Service Factor : 1.20
 Frame Size : 160M
 Weight [kg] : 96.0
 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] : 61

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%]	$\cos\phi$
Δ	400	50	7.50	972	15.6	89.1	0.78
Y	690	50	7.50	972	8.98	89.1	0.78
Δ	460	60	8.70	1170	15.2	91.0	0.79

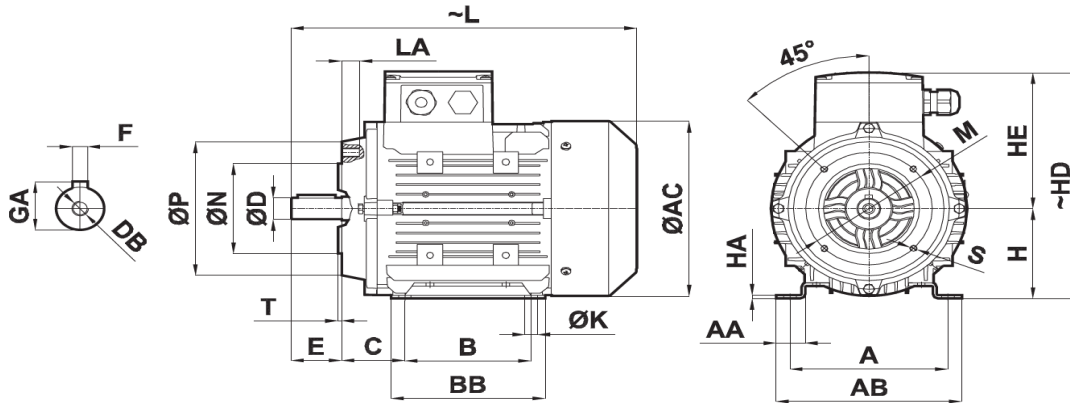
MECHANICAL DATA

Moment of Inertia [kgm²] : 0.07870
 Bearing DS / NS : 6309ZZ / 6209ZZ
 Frame Material : Aluminum
 Flange Type / Material : B14 / 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	N	P	E	T	LA	L	AC	S	M	H	HE	HD	F	GA	DB	C	ØK	B	BB	HA	AA	A	AB
B14	42	180	250	110	4	23	605	316	M12	215	160	224	384	12	45	M16	108	14.5	210	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.

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