

Type : 3EL160M6D-PC-BA-C34		RE: 894759		Date : 03.01.2022	
Power [kW]	: 7.50	Efficiency Class	: IE3		
Input Voltage [V]	: 400	Duty Cycle	: S1		
Connection Type [Δ / Y]	: Δ	Service Factor	: 1.20		
Frequency [Hz]	: 50	Frame Size	: 160M		
Pole Number	: 6	Weight [kg]	: 96.0		
Nominal Speed [rpm]	: 972	Insulation Class	: F [155°C]		
Nominal Current [A]	: 15.6	Temperature Rise	: B [80°K]		
Nominal Moment [Nm]	: 73.7	Protection Class	: IP55		
Nominal Efficiency [η]	: 89.1	Vibration Severity Grade	: A		
Power Factor [cosφ]	: 0.78	Method of Cooling	: IC411		
Locked Rotor Current [Ia/In]	: 6.3	Direction of Rotation	: Bidirectional		
Locked Rotor Torque [Ma/Mn]	: 2.6	Balance	: Half Key		
Breakdown Torque [Mk/Mn]	: 3.0	Motor Protection	: PTC		
Motor Color	: RAL 7031	Altitude Above Sea Level	: 1000m		
Ambient Temperature	: -15°C / +40°C	Sound Pressure Level [dBA]	: 61		

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%]	Cos φ
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

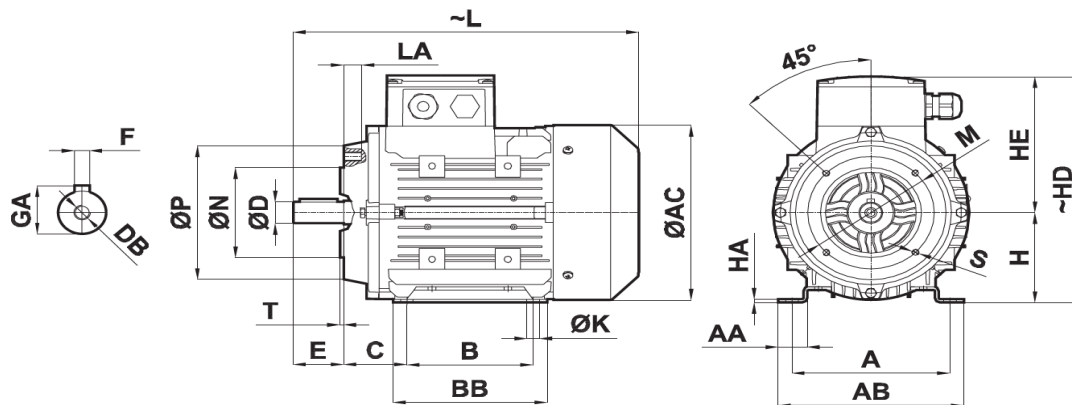
MECHANICAL DATA

Moment of Inertia [kgm ²]	: 0.07870
Bearing DS / NS	: 6309ZZ / 6209ZZ
Frame Material	: Aluminum
Flange Type / Material	: B34 / 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
B34	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.