

Type : 4EL112M2D-FC-B0-C34

RE : 894221

Date : 03.01.2022

Power [kW] : 4.00
 Input Voltage [V] : 400
 Connection Type [Δ / Y] : Δ
 Frequency [Hz] : 50
 Pole Number : 2
 Nominal Speed [rpm] : 2940
 Nominal Current [A] : 7.30
 Nominal Moment [Nm] : 13.0
 Nominal Efficiency [η] : 90.2
 Power Factor [$\cos\phi$] : 0.87
 Locked Rotor Current [I_a/I_n] : 9.6
 Locked Rotor Torque [Ma/Mn] : 2.9
 Breakdown Torque [Mk/Mn] : 5.1
 Motor Color : RAL 7031
 Ambient Temperature : -15°C / +40°C

Efficiency Class : IE4
 Duty Cycle : S1
 Service Factor : 1.25
 Frame Size : 112M
 Weight [kg] : 32.5
 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 : --
 Altitude Above Sea Level : 1000m
 Sound Pressure Level [dBA] : 70

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%100]	η [%75]	η [%50]	$\cos\phi$	Cl
Δ	400	50	4.00	2940	7.30	90.0	90.3	89.7	0.88	IE4
Y	690	50	4.00	2940	4.21	90.0	90.3	89.7	0.88	IE4
Δ	460	60	4.55	3530	7.15	90.2	90.4	89.9	0.89	IE4

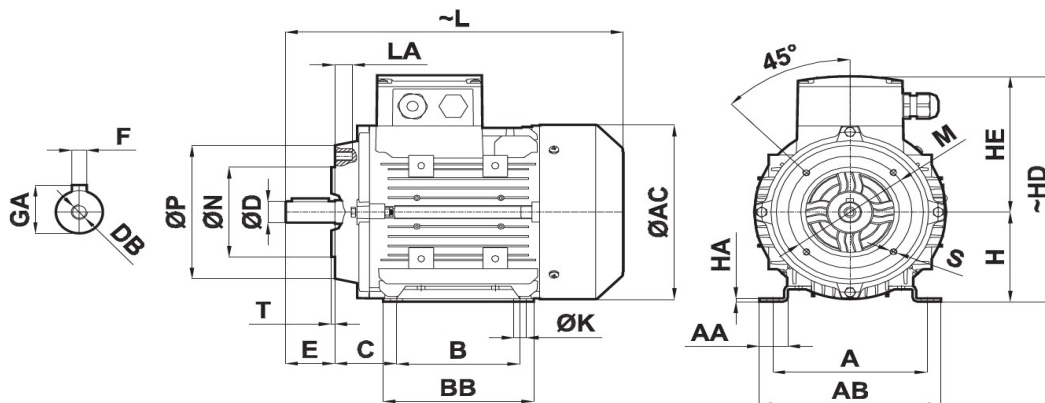
MECHANICAL DATA

Moment of Inertia [kgm^2] : 0.00734
 Bearing [DS / NS] : 6206ZZ / 6206ZZ
 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 : M25x1.5
 Terminal Box Blind Cap : M25x1.5
 Contact Screw Thread : M5

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	28	110	159.5	60	3.5	17	392	215	M8	130	112	161	273	8	31	M10	70	12	140	177	4	36	190	217

Manufactured and tested in accordance with IEC 60034

FR.AG.010 REV. NO: 04 REV TARİHİ : 01.01.2022

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

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