

DATASHEET

THREE PHASE INDUCTION MOTOR - SQUIRREL CAGE

IE3

Type : 3EL132M4D-FC-BA-C34

RE: 891539

Date : 03.01.2022

Power [kW] : 7.50
 Input Voltage [V] : 400
 Connection Type [Δ / Y] : Δ
 Frequency [Hz] : 50
 Pole Number : 4
 Nominal Speed [rpm] : 1465
 Nominal Current [A] : 14.4
 Nominal Moment [Nm] : 48.9
 Nominal Efficiency [η] : 90.4
 Power Factor [cosφ] : 0.83
 Locked Rotor Current [Ia/In] : 7.9
 Locked Rotor Torque [Ma/Mn] : 3.0
 Breakdown Torque [Mk/Mn] : 3.4
 Motor Color : RAL 7031
 Ambient Temperature : -15°C / +40°C

Efficiency Class : IE3
 Duty Cycle : S1
 Service Factor : 1.20
 Frame Size : 132M
 Weight [kg] : 59.5
 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 : 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 [%]	cosφ
Δ	400	50	7.50	1465	14.4	90.4	0.83
Y	690	50	7.50	1465	8.31	90.4	0.83
Δ	460	60	8.70	1760	14.2	91.7	0.84

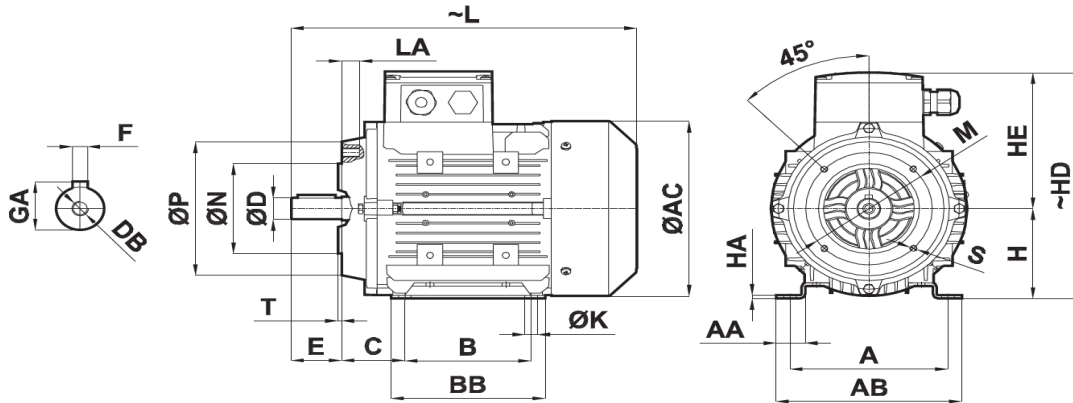
MECHANICAL DATA

Moment of Inertia [kgm²] : 0.03418
 Bearing DS / NS : 6208ZZ / 6208ZZ
 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 : M20x1.5+M25x1.5
 Terminal Box Blind Cap : --
 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	38	130	200	80	3.5	20	495	257	M10	165	132	181	313	10	41	M12	89	12	178	212	5	34	216	254

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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