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DATASHEET

THREE PHASE INDUCTION MOTOR - SQUIRREL CAGE

IE3

Type : 3EL132S2B-PD-BA-C34 RE: 891433 **Date** : 03.01.2022

Power [kW]	: 5.50	Efficiency Class	: IE3
Input Voltage [V]	: 400	Duty Cycle	: S1
Connection Type [Δ / Y]	: Δ	Service Factor	: 1.20
Frequency [Hz]	: 50	Frame Size	: 132S
Pole Number	: 2	Weight [kg]	: 44.4
Nominal Speed [rpm]	: 2945	Insulation Class	: F [155°C]
Nominal Current [A]	: 9.90	Temperature Rise	: B [80°K]
Nominal Moment [Nm]	: 17.8	Protection Class	: IP55
Nominal Efficiency [η]	: 89.2	Vibration Severity Grade	: A
Power Factor [cosφ]	: 0.90	Method of Cooling	: IC411
Locked Rotor Current [Ia/In]	: 8.9	Direction of Rotation	: Bidirectional
Locked Rotor Torque [Ma/Mn]	: 2.9	Balance	: Half Key
Breakdown Torque [Mk/Mn]	: 3.9	Motor Protection	: PTC
Motor Color	: RAL 7031	Altitude Above Sea Level	: 1000m
Ambient Temperature	: -15°C / +40°C	Sound Pressure Level [dBA]	: 67

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%]	Cosφ
Δ	400	50	5.50	2945	9.90	89.2	0.90
Y	690	50	5.50	2945	5.72	89.2	0.90
Δ	460	60	6.38	3535	9.70	89.5	0.92

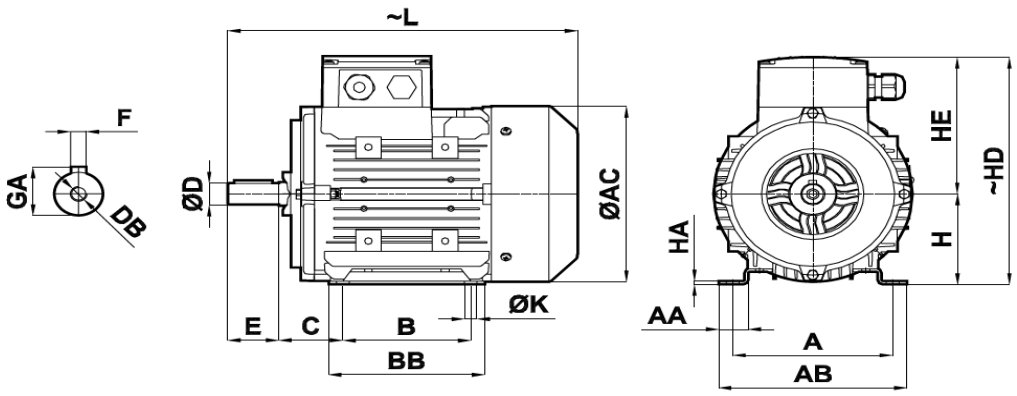
MECHANICAL DATA

Moment of Inertia [kgm^2]	: 0.01732
Bearing DS / NS	: 6208ZZ / 6208ZZ
Frame Material	: Aluminum
Flange Type / Material	: B3 / 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	E	L	AC	H	HE	HD	F	GA	DB	C	ØK	B	BB	HA	AA	A	AB
B3	38	80	495	257	132	181	313	10	41	M12	89	12	140	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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