

DATASHEET

THREE PHASE INDUCTION MOTOR - SQUIRREL CAGE

IE3

Type : 3EL100L6B-PD-A0-C34

RE: 891572

Date : 03.01.2022

Power [kW]	: 1.50	Efficiency Class	: IE3
Input Voltage [V]	: 400	Duty Cycle	: S1
Connection Type [Δ / Y]	: Y	Service Factor	: 1.20
Frequency [Hz]	: 50	Frame Size	: 100L
Pole Number	: 6	Weight [kg]	: 22.5
Nominal Speed [rpm]	: 955	Insulation Class	: F [155°C]
Nominal Current [A]	: 3.50	Temperature Rise	: B [80°K]
Nominal Moment [Nm]	: 15.0	Protection Class	: IP55
Nominal Efficiency [η]	: 82.5	Vibration Severity Grade	: A
Power Factor [$\cos\phi$]	: 0.75	Method of Cooling	: IC411
Locked Rotor Current [I_a/I_n]	: 5.3	Direction of Rotation	: Bidirectional
Locked Rotor Torque [Ma/Mn]	: 2.1	Balance	: Half Key
Breakdown Torque [Mk/Mn]	: 2.8	Motor Protection	: --
Motor Color	: RAL 7031	Altitude Above Sea Level	: 1000m
Ambient Temperature	: -15°C / +40°C	Sound Pressure Level [dBA]	: 50

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%]	$\cos\phi$
Δ	230	50	1.50	955	6.06	82.5	0.75
Y	400	50	1.50	955	3.50	82.5	0.75
Y	460	60	1.74	1160	3.45	83.2	0.76

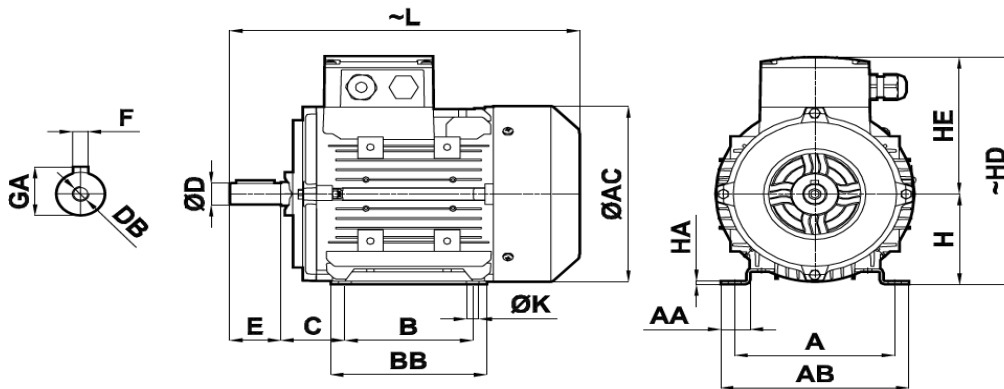
MECHANICAL DATA

Moment of Inertia [kgm ²]	: 0.00821
Bearing DS / NS	: 6206ZZ / 6206ZZ
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	: M25x1.5
Terminal Box Blind Cap	: M25x1.5
Contact Screw Thread	: M5

MECHANICAL DIMENSIONS



FLANGE TYPE	D	E	L	AC	H	HE	HD	F	GA	DB	C	ϕK	B	BB	HA	AA	A	AB
B3	28	60	370.5	193	100	149	249	8	31	M10	63	12	140	170	4	31	160	192

Manufactured and tested in accordance with IEC 60034

*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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