

Type : 3EC112M2D-FA-B0-C34

RE: 892578

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	: --
Frequency [Hz]	: 50	Frame Size	: 112M
Pole Number	: 2	Weight [kg]	: 32.0
Nominal Speed [rpm]	: 2940	Insulation Class	: F [155°C]
Nominal Current [A]	: 10.4	Temperature Rise	: B [80°K]
Nominal Moment [Nm]	: 17.9	Protection Class	: IP55
Nominal Efficiency [η]	: 90.0	Vibration Severity Grade	: A
Power Factor [$\cos\phi$]	: 0.86	Method of Cooling	: IC411
Locked Rotor Current [I_a/I_n]	: 8.9	Direction of Rotation	: Bidirectional
Locked Rotor Torque [Ma/Mn]	: 3.2	Balance	: Half Key
Breakdown Torque [Mk/Mn]	: 4.4	Motor Protection	: --
Motor Color	: RAL 7031	Altitude Above Sea Level	: 1000m
Ambient Temperature	: -15°C / +40°C	Sound Pressure Level [dBA]	: 68

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%]	$\cos\phi$
Δ	400	50	5.50	2940	10.4	90.0	0.86
Y	690	50	5.50	2940	6.00	90.0	0.86
Δ	460	60	6.38	3525	10.3	90.5	0.87

MECHANICAL DATA

Moment of Inertia [kgm ²]	: 0.00734
Bearing DS / NS	: 6206ZZ / 6206ZZ
Frame Material	: Aluminum
Flange Type / Material	: B5 / 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	N	P	T	LA	L	AC	S	M	H	HE	HD	F	GA	DB	C	ϕK	B	BB	HA	AA	A	AB
B5	28	60	180	250	4	15	390	215	14.5	215	112	161	273	8	31	M10	70	12	140	177	4	36	190	217

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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