

Type : 3EL090S2B-FA-A0-C34

RE: 891474

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	: 090S
Pole Number	: 2	Weight [kg]	: 15.6
Nominal Speed [rpm]	: 2900	Insulation Class	: F [155°C]
Nominal Current [A]	: 2.97	Temperature Rise	: B [80°K]
Nominal Moment [Nm]	: 4.94	Protection Class	: IP55
Nominal Efficiency [η]	: 84.8	Vibration Severity Grade	: A
Power Factor [$\cos\phi$]	: 0.86	Method of Cooling	: IC411
Locked Rotor Current [I_a/I_n]	: 7.6	Direction of Rotation	: Bidirectional
Locked Rotor Torque [Ma/Mn]	: 3.1	Balance	: Half Key
Breakdown Torque [Mk/Mn]	: 3.9	Motor Protection	: --
Motor Color	: RAL 7031	Altitude Above Sea Level	: 1000m
Ambient Temperature	: -15°C / +40°C	Sound Pressure Level [dBA]	: 59

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%]	$\cos\phi$
Δ	230	50	1.50	2900	5.14	84.8	0.86
Y	400	50	1.50	2900	2.97	84.8	0.86
Y	460	60	1.74	3490	2.93	85.7	0.87

MECHANICAL DATA

Moment of Inertia [kgm ²]	: 0.00178
Bearing DS / NS	: 6205ZZ / 6205ZZ
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	: M20x1.5
Terminal Box Blind Cap	: M16x1.5
Contact Screw Thread	: M4

MECHANICAL DIMENSIONS



FLANGE TYPE	D	E	N	P	T	LA	L	AC	S	M	H	HE	HD	F	GA	DB	C	ØK	B	BB	HA	AA	A	AB
B5	24	50	130	200	3.5	12	325	176	12	165	90	132	222	8	27	M8	56	10	100	151	4	27	140	167

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.

Europe
Rubix Engineering
61 Avenue Tony Garnier
69007 Lyon
France

UK
Brammer UK Ltd (A Rubix Company)
Dakota House, Concord Business Park
Manchester M22 0RR
UK