

Type : 3EL160L2D-FC-BA-C34

RE: 891542

Date : 03.01.2022

Power [kW]	: 18.5	Efficiency Class	: IE3
Input Voltage [V]	: 400	Duty Cycle	: S1
Connection Type [Δ / Y]	: Δ	Service Factor	: 1.20
Frequency [Hz]	: 50	Frame Size	: 160L
Pole Number	: 2	Weight [kg]	: 96.8
Nominal Speed [rpm]	: 2945	Insulation Class	: F [155°C]
Nominal Current [A]	: 31.7	Temperature Rise	: B [80°K]
Nominal Moment [Nm]	: 60.0	Protection Class	: IP55
Nominal Efficiency [η]	: 92.4	Vibration Severity Grade	: A
Power Factor [$\cos\phi$]	: 0.91	Method of Cooling	: IC411
Locked Rotor Current [I_a/I_n]	: 8.9	Direction of Rotation	: Bidirectional
Locked Rotor Torque [Ma/Mn]	: 3.1	Balance	: Half Key
Breakdown Torque [Mk/Mn]	: 4.2	Motor Protection	: PTC
Motor Color	: RAL 7031	Altitude Above Sea Level	: 1000m
Ambient Temperature	: -15°C / +40°C	Sound Pressure Level [dBA]	: 69

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%]	$\cos\phi$
Δ	400	50	18.5	2945	31.7	92.4	0.91
Y	690	50	18.5	2945	18.3	92.4	0.91
Δ	460	60	21.5	3535	31.6	92.6	0.92

MECHANICAL DATA

Moment of Inertia [kgm ²]	: 0.04409
Bearing DS / NS	: 6309ZZ / 6209ZZ
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	: 2xM32x1.5
Terminal Box Blind Cap	: --
Contact Screw Thread	: M6

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	42	180	250	110	4	23	605	316	M12	215	160	224	384	12	45	M16	108	14.5	254	323	15	65	254	295

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