

Type : 3EL090S6B-PA-A0-000**Date** : 03.01.2022

Power [kW]	: 0.75	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	: 6	Weight [kg]	: 14.6
Nominal Speed [rpm]	: 945	Insulation Class	: F [155°C]
Nominal Current [A]	: 1.96	Temperature Rise	: B [80°K]
Nominal Moment [Nm]	: 7.58	Protection Class	: IP55
Nominal Efficiency [η]	: 78.9	Vibration Severity Grade	: A
Power Factor [$\cos\phi$]	: 0.70	Method of Cooling	: IC411
Locked Rotor Current [I_a/I_n]	: 4.7	Direction of Rotation	: Bidirectional
Locked Rotor Torque [Ma/Mn]	: 2.2	Balance	: Half Key
Breakdown Torque [Mk/Mn]	: 2.7	Motor Protection	: --
Motor Color	: RAL 7031	Altitude Above Sea Level	: 1000m
Ambient Temperature	: -15°C / +40°C	Sound Pressure Level [dBA]	: 46

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%]	$\cos\phi$
Δ	230	50	0.75	945	3.39	78.9	0.70
Y	400	50	0.75	945	1.96	78.9	0.70
Y	460	60	0.87	1140	1.93	79.5	0.71

MECHANICAL DATA

Moment of Inertia [kgm ²]	: 0.00354
Bearing DS / NS	: 6205ZZ / 6205ZZ
Frame Material	: Aluminum
Flange Type / Material	: B35 / 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
B35	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

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*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

*ELK Motor has right to change all the data without prior notice.