

Type : 3EL080M2B-FC-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	: 080M
Pole Number	: 2	Weight [kg]	: 9.60
Nominal Speed [rpm]	: 2880	Insulation Class	: F [155°C]
Nominal Current [A]	: 1.59	Temperature Rise	: B [80°K]
Nominal Moment [Nm]	: 2.49	Protection Class	: IP55
Nominal Efficiency [η]	: 80.7	Vibration Severity Grade	: A
Power Factor [$\cos\phi$]	: 0.84	Method of Cooling	: IC411
Locked Rotor Current [I_a/I_n]	: 6.7	Direction of Rotation	: Bidirectional
Locked Rotor Torque [Ma/Mn]	: 3.0	Balance	: Half Key
Breakdown Torque [Mk/Mn]	: 3.6	Motor Protection	: --
Motor Color	: RAL 7031	Altitude Above Sea Level	: 1000m
Ambient Temperature	: -15°C / +40°C	Sound Pressure Level [dBA]	: 54

ELECTRICAL DATA

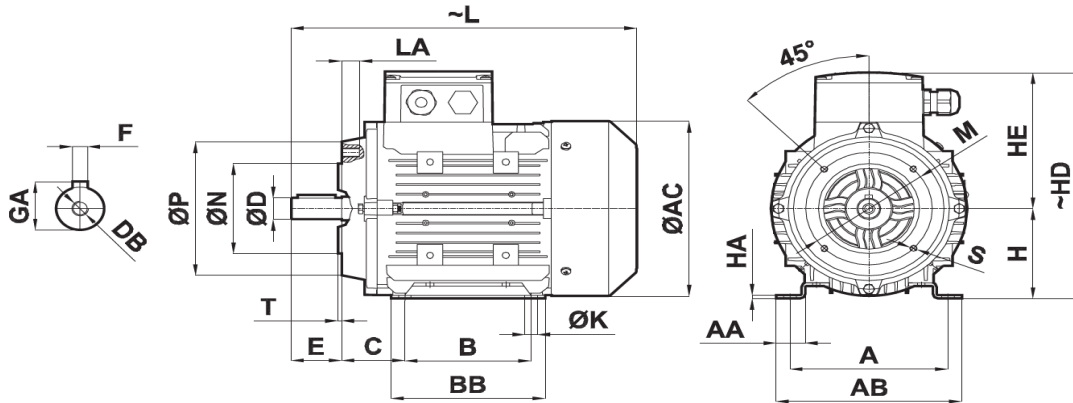
Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%]	$\cos\phi$
Δ	230	50	0.75	2880	2.75	80.7	0.84
Y	400	50	0.75	2880	1.59	80.7	0.84
Y	460	60	0.87	3470	1.56	82.0	0.85

MECHANICAL DATA

Moment of Inertia [kgm ²]	: 0.00103
Bearing DS / NS	: 6204ZZ / 6204ZZ
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	: M20x1.5
Terminal Box Blind Cap	: M16x1.5
Contact Screw Thread	: M4

MECHANICAL DIMENSIONS

FLANGE TYPE	D	N	P	E	T	LA	L	AC	S	M	H	HE	HD	F	GA	DB	C	ϕK	B	BB	HA	AA	A	AB
B14	19	80	118.5	40	3	12	274	155	M6	100	80	123	203	6	21.5	M6	50	10	100	122	3	25	125	148

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.

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