

DATASHEET

THREE PHASE INDUCTION MOTOR - SQUIRREL CAGE

IE2

Type : 2EC071M4D-FA-A0-000

RE: 891917

Date : 03.01.2022

Power [kW]	: 0.55	Efficiency Class	: IE2
Input Voltage [V]	: 400	Duty Cycle	: S1
Connection Type [Δ / Y]	: Y	Service Factor	: 1.00
Frequency [Hz]	: 50	Frame Size	: 071M
Pole Number	: 4	Weight [kg]	: 7.70
Nominal Speed [rpm]	: 1405	Insulation Class	: F [155°C]
Nominal Current [A]	: 1.43	Temperature Rise	: B [80°K]
Nominal Moment [Nm]	: 3.74	Protection Class	: IP55
Nominal Efficiency [η]	: 77.1	Vibration Severity Grade	: A
Power Factor [$\cos\phi$]	: 0.72	Method of Cooling	: IC411
Locked Rotor Current [I_a/I_n]	: 4.3	Direction of Rotation	: Bidirectional
Locked Rotor Torque [Ma/Mn]	: 2.3	Balance	: Half Key
Breakdown Torque [Mk/Mn]	: 2.5	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	0.55	1405	2.48	77.1	0.72
Y	400	50	0.55	1405	1.43	77.1	0.72
Y	460	60	0.64	1705	1.40	78.4	0.73

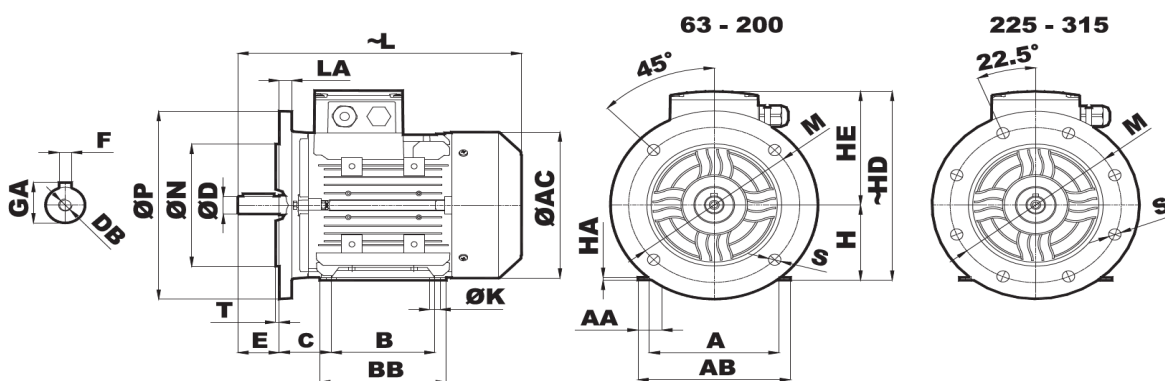
MECHANICAL DATA

Moment of Inertia [kgm ²]	: 0.00093
Bearing DS / NS	: 6202ZZ / 6202ZZ
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	N	P	E	T	LA	L	AC	S	M	H	HE	HD	F	GA	DB	C	ØK	B	BB	HA	AA	A	AB
B5	14	30	110	160	3.5	8	244	137	10	130	71	112	183	5	16	M5	45	7	90	110	3	19	112	128

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.