

DATASHEET

THREE PHASE INDUCTION MOTOR - SQUIRREL CAGE

IE2

Type : 2EL071M6C-PD-A0-C34

RE: 891559

Date : 03.01.2022

Power [kW] : 0.25
 Input Voltage [V] : 400
 Connection Type [Δ / Y] : Y
 Frequency [Hz] : 50
 Pole Number : 6
 Nominal Speed [rpm] : 920
 Nominal Current [A] : 0.78
 Nominal Moment [Nm] : 2.59
 Nominal Efficiency [η] : 66.5
 Power Factor [$\cos\phi$] : 0.69
 Locked Rotor Current [I_a/I_n] : 3.3
 Locked Rotor Torque [Ma/Mn] : 1.9
 Breakdown Torque [Mk/Mn] : 2.3
 Motor Color : RAL 7031
 Ambient Temperature : -15°C / +40°C

Efficiency Class : IE2
 Duty Cycle : S1
 Service Factor : 1.15
 Frame Size : 071M
 Weight [kg] : 6.60
 Insulation Class : F [155°C]
 Temperature Rise : B [80°K]
 Protection Class : IP55
 Vibration Severity Grade : A
 Method of Cooling : IC411
 Direction of Rotation : Bidirectional
 Balance : Half Key
 Motor Protection : --
 Altitude Above Sea Level : 1000m
 Sound Pressure Level [dBA] : 42

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%]	$\cos\phi$
Δ	230	50	0.25	920	1.35	66.5	0.69
Y	400	50	0.25	920	0.78	66.5	0.69
Y	460	60	0.29	1120	0.77	67.1	0.70

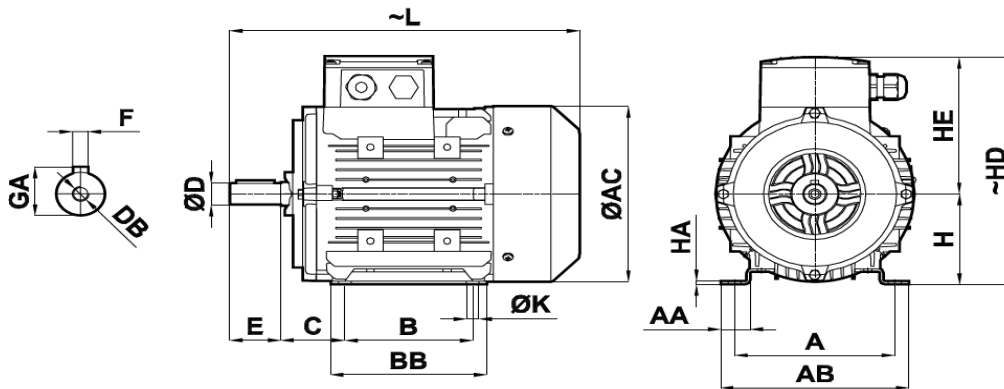
MECHANICAL DATA

Moment of Inertia [kgm²] : 0.00096
 Bearing DS / NS : 6202ZZ / 6202ZZ
 Frame Material : Aluminum
 Flange Type / Material : B3 / 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	L	AC	H	HE	HD	F	GA	DB	C	ϕK	B	BB	HA	AA	A	AB
B3	14	30	244	137	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.

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

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