

Type : 3EL090L4D-PD-A0-C34

RE: 891444

Date : 03.01.2022

Power [kW] : 1.50
 Input Voltage [V] : 400
 Connection Type [Δ / Y] : Y
 Frequency [Hz] : 50
 Pole Number : 4
 Nominal Speed [rpm] : 1445
 Nominal Current [A] : 3.30
 Nominal Moment [Nm] : 9.91
 Nominal Efficiency [η] : 85.3
 Power Factor [$\cos\phi$] : 0.77
 Locked Rotor Current [I_a/I_n] : 7.2
 Locked Rotor Torque [Ma/Mn] : 2.8
 Breakdown Torque [Mk/Mn] : 3.8
 Motor Color : RAL 7031
 Ambient Temperature : -15°C / +40°C

Efficiency Class : IE3
 Duty Cycle : S1
 Service Factor : 1.20
 Frame Size : 090L
 Weight [kg] : 18.0
 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] : 51

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%]	$\cos\phi$
Δ	230	50	1.50	1445	5.72	85.3	0.77
Y	400	50	1.50	1445	3.30	85.3	0.77
Y	460	60	1.74	1745	3.24	86.5	0.78

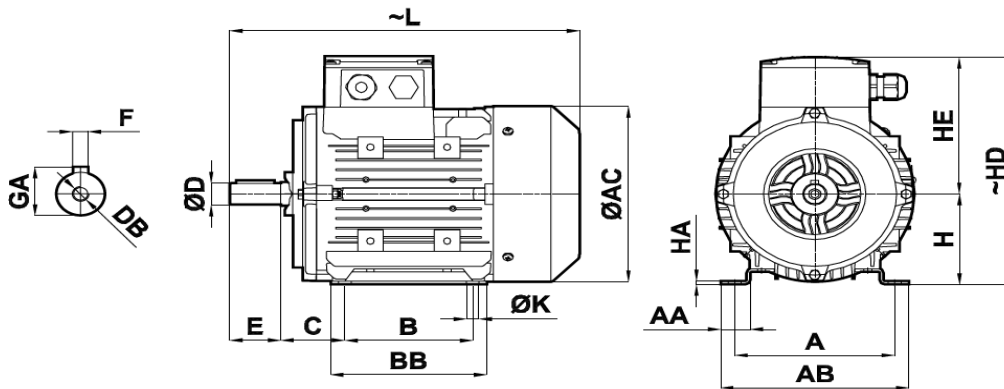
MECHANICAL DATA

Moment of Inertia [kgm^2] : 0.00411
 Bearing DS / NS : 6205ZZ / 6205ZZ
 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	24	50	325	176	90	132	222	8	27	M8	56	10	125	151	4	27	140	167

Manufactured and tested in accordance with IEC 60034

*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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