

Type : 3EC080M2D-PC-A0-C34

RE: 894669

Date : 03.01.2022

Power [kW] : 1.50
 Input Voltage [V] : 400
 Connection Type [Δ / Y] : Y
 Frequency [Hz] : 50
 Pole Number : 2
 Nominal Speed [rpm] : 2850
 Nominal Current [A] : 3.06
 Nominal Moment [Nm] : 5.03
 Nominal Efficiency [η] : 84.2
 Power Factor [$\cos\phi$] : 0.84
 Locked Rotor Current [I_a/I_n] : 6.4
 Locked Rotor Torque [Ma/Mn] : 3.2
 Breakdown Torque [Mk/Mn] : 3.6
 Motor Color : RAL 7031
 Ambient Temperature : -15°C / +40°C

Efficiency Class : IE3
 Duty Cycle : S1
 Service Factor : --
 Frame Size : 080M
 Weight [kg] : 11.8
 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] : 59

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%]	$\cos\phi$
Δ	230	50	1.50	2850	5.30	84.2	0.84
Y	400	50	1.50	2850	3.06	84.2	0.84
Δ	460	60	1.74	3440	3.04	84.5	0.85

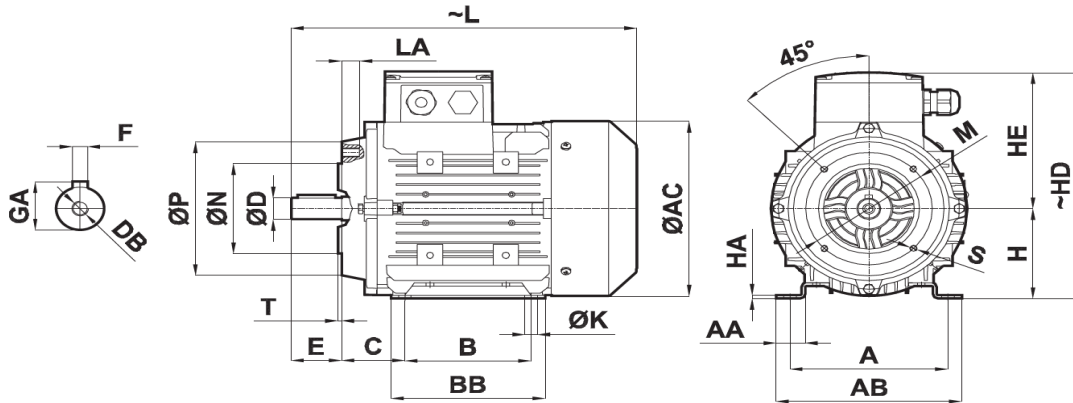
MECHANICAL DATA

Moment of Inertia [kgm^2] : 0.00135
 Bearing DS / NS : 6204ZZ / 6204ZZ
 Frame Material : Aluminum
 Flange Type / Material : B34 / 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
B34	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.

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