

Type : 3EG180M4C-PD-BA-C34

RE: 891460

Date : 03.01.2022

Power [kW] : 18.5
 Input Voltage [V] : 400
 Connection Type [Δ / Y] : Δ
 Frequency [Hz] : 50
 Pole Number : 4
 Nominal Speed [rpm] : 1475
 Nominal Current [A] : 35.0
 Nominal Moment [Nm] : 120
 Nominal Efficiency [η] : 92.6
 Power Factor [cosφ] : 0.82
 Locked Rotor Current [Ia/In] : 7.7
 Locked Rotor Torque [Ma/Mn] : 3.0
 Breakdown Torque [Mk/Mn] : 3.3
 Motor Color : RAL 7031
 Ambient Temperature : -15°C / +40°C

Efficiency Class : IE3
 Duty Cycle : S1
 Service Factor : 1.20
 Frame Size : 180M
 Weight [kg] : 173
 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 : PTC
 Altitude Above Sea Level : 1000m
 Sound Pressure Level [dBA] : 64

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%]	cosφ
Δ	400	50	18.5	1475	35.0	92.6	0.82
Y	690	50	18.5	1475	20.2	92.6	0.82
Δ	460	60	21.5	1775	34.7	93.6	0.83

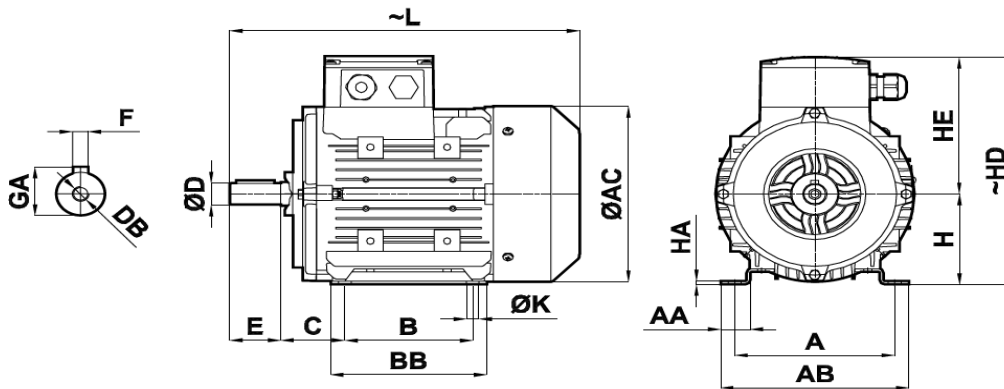
MECHANICAL DATA

Moment of Inertia [kgm²] : 0.12901
 Bearing DS / NS : 6310ZZ / 6210ZZ
 Frame Material : Cast Iron
 Flange Type / Material : B3 / Cast Iron
 Cooling Fan Material : Plastic
 End Shield Material : Cast Iron

TERMINAL BOX

Terminal Box Material : Cast Iron
 Terminal Box Position : Top
 Terminal Box Cable Entry : 2xM32x1.5
 Terminal Box Blind Cap : --
 Contact Screw Thread : M6

MECHANICAL DIMENSIONS



FLANGE TYPE	D	E	L	AC	H	HE	HD	F	GA	DB	C	ØK	B	BB	HA	AA	A	AB
B3	48	110	697	348	180	250	430	14	51.5	M16	121	14.5	241	319	15	50	279	326

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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