3F3A-80MA-2B5

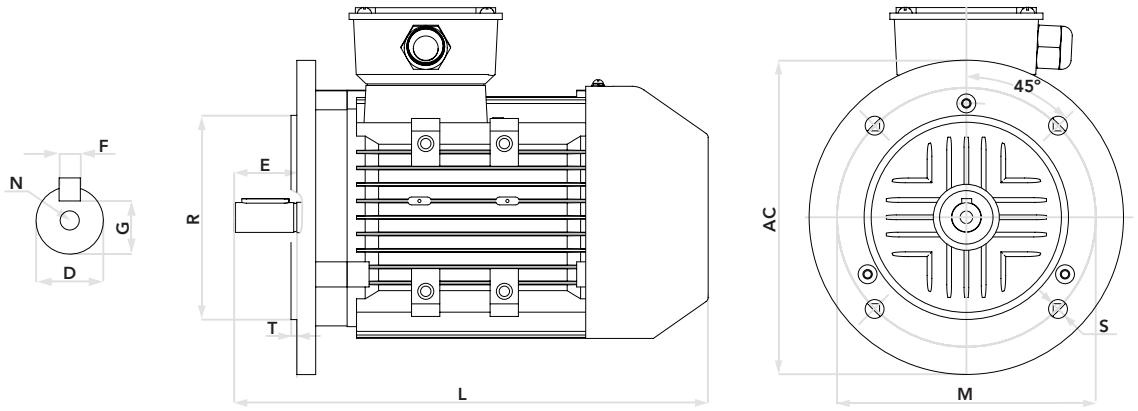
MECHANICAL DATA	
Noise at 50Hz	62 dB(A)
Moment of inertia	0.00149 kgm²
Bearing DE	6204ZZ
Bearing NDE	6204ZZ
Bearing lifetime	40000 h
Direction of rotation	bidirectional
Frame material	aluminum
Colour	RAL 7030
Cooling method	IC411
Ambient temperature	-20 / +40 °C
Altitude above sealevel	1000 m
Output	0.75kW
Speed	2865 rpm
Ins. Class	F
Efficiency	80,7% IE3
Voltage	400V
Connection	Y
F.L. Current	1.64A
Power factor	0,82
Duty	S1
Frequency	50 Hz
IP	55
Weight	10,5 kg

SPECIAL DESIGN

ELECTRICAL TEST DATA	
Ambient temperature	16,2 °C
Resistance of winding	13,686 Ω
Three phase current unbalanced	6,01 %
No load amps	0,83 A
No load input	92,38 W
Core loss (Pfe)	31,78 W
Windage friction loss (Pfw)	45,43 W
Stator winding loss (Pcu1)	70,59 W
Rotor winding loss (Pcu2)	31,15 W
Stray load loss (Ps)	16,95 W
Locked rotor current	12,87 A
Locked rotor current / Full load current	7,85
Full load torque	2,5 Nm
Locked rotor input power at full load	6655,6 W
Locked rotor torque	7,94 Nm
Locked rotor torque / Full load torque	3,18
Full load input	945,9 W
Full load current	1,618 A
Efficiency at 50% load	77,98 %
Efficiency at 75% load	79,26 %
Efficiency at 100% load	79,29 %
Power factor at full load	0,8439
Full load slip	3,693 %
Full load speed	2889 rpm
Stator winding temperature rise	45,33 K
Stator phase resistance at Ambient temperature of 95 °C	17,979 Ω
Sound pressure level	61 dB(A)
Vibration	0,8 mm/s
Insulation resistance	200 MΩ
Bearing temperature	36,6 °C

Efficiency in compliance with IEC 60034-30 Edition 1.0 - 2008, IE3
Testing method IEC 60034-2-1 Edition 1.0 - 2007-09

DIMENSIONS 3F3A-80MA-2B5



Frame size	Number of poles	D	E	F	G	M	N	R	S	T	AC	L
80MA	02	19	40	6	15.5	165	M6	130	4-12	3.5	175	300

Technical data is subject to change. All sizes in mm