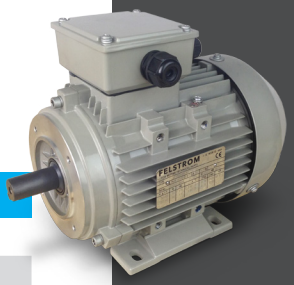
3F3A-80MB-4B34



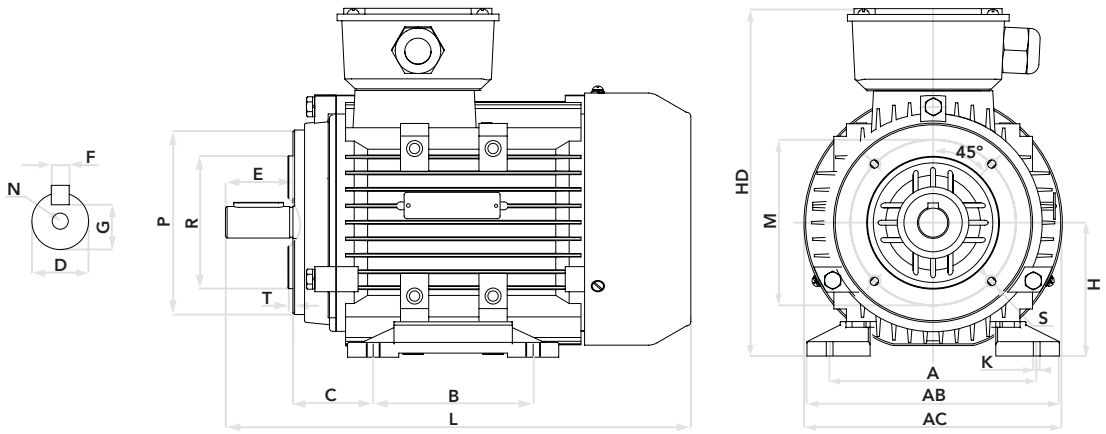
MECHANICAL DATA	
Noise at 50Hz	58 dB(A)
Moment of inertia	0.00165 kgm²
Bearing DE	6204ZZ
Bearing NDE	6204ZZ
Bearing lifetime	40000 h
Direction of rotation	bidirectional
Frame material	aluminum
Colour	RAL 7030
Cooling method	IC411
Ambient temperature	-20 / +40 °C
Altitude above sealevel	1000 m
Output	0.75kW
Speed	1425 rpm
Ins. Class	F
Efficiency	82,5% IE3
Voltage	400V
Connection	Y
F.L. Current	1.75A
Power factor	0,75
Duty	S1
Frequency	50 Hz
IP	55
Weight	14 kg

SPECIAL DESIGN

ELECTRICAL TEST DATA	
Ambient temperature	27 °C
Resistance of winding	10,269 Ω
Three phase current unbalanced	3,69 %
No load amps	1,15 A
No load input	74,68 W
Core loss (Pfe)	38,55 W
Windage friction loss (Pfw)	14,01 W
Stator winding loss (Pcu1)	65,16 W
Rotor winding loss (Pcu2)	31,73 W
Stray load loss (Ps)	18,95 W
Locked rotor current	11,31 A
Locked rotor current / Full load current	6,46
Full load torque	5 Nm
Locked rotor input power at full load	4473,5 W
Locked rotor torque	13,18 Nm
Locked rotor torque / Full load torque	2,64
Full load input	918,4 W
Full load current	1,833 A
Efficiency at 50% load	77,93 %
Efficiency at 75% load	82,1 %
Efficiency at 100% load	81,66 %
Power factor at full load	0,7234
Full load slip	3,895 %
Full load speed	1442 rpm
Stator winding temperature rise	38,66 K
Stator phase resistance at Ambient temperature of 95 °C	12,935 Ω
Sound pressure level	55 dB(A)
Vibration	0,9 mm/s
Insulation resistance	200 MΩ
Bearing temperature	48,2 °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-80MB-4B34



Frame size	Number of poles	A	B	C	D	E	F	G	H	K	M	R	P	S	T	AB	AC	HD	L	N
80MB	4	125	100	50	19	40	6	15.5	80	10	100	80	120	M6	3.0	156	175	220	300	M6

FELSTROM

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Technical data is subject to change. All sizes in mm