3F3A-112MA-4B14

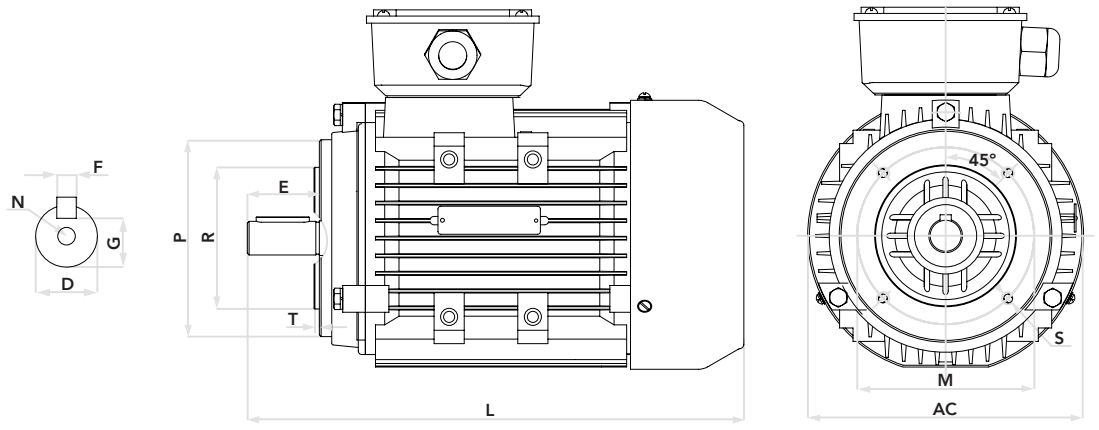
MECHANICAL DATA	
Noise at 50Hz	65 dB(A)
Moment of inertia	0.01215 kgm²
Bearing DE	6206ZZ
Bearing NDE	6206ZZ
Bearing lifetime	40000 h
Direction of rotation	bidirectional
Frame material	aluminum
Colour	RAL 7030
Cooling method	IC411
Ambient temperature	-20 / +40 °C
Altitude above sealevel	1000 m
Output	4kW
Speed	1445 rpm
Ins. Class	F
Efficiency	88,6% IE3
Voltage	400V
Connection	D
F.L. Current	7.95A
Power factor	0,82
Duty	S1
Frequency	50 Hz
IP	55
Weight	36 kg

SPECIAL DESIGN

ELECTRICAL TEST DATA	
Ambient temperature	23 °C
Resistance of winding	1,791 Ω
Three phase current unbalanced	1,51 %
No load amps	3,6 A
No load input	195,1 W
Core loss (Pfe)	130,4 W
Windage friction loss (Pfw)	14,37 W
Stator winding loss (Pcu1)	204,5 W
Rotor winding loss (Pcu2)	151,1 W
Stray load loss (Ps)	64,2 W
Locked rotor current	67,33 A
Locked rotor current / Full load current	8,47
Full load torque	26,4 Nm
Locked rotor input power at full load	27798,1 W
Locked rotor torque	79,26 Nm
Locked rotor torque / Full load torque	3
Full load input	4562,8 W
Full load current	7,715 A
Efficiency at 50% load	86,29 %
Efficiency at 75% load	88,42 %
Efficiency at 100% load	87,67 %
Power factor at full load	0,8536
Full load slip	3,574 %
Full load speed	1446 rpm
Stator winding temperature rise	58,98 K
Stator phase resistance at Ambient temperature of 95 °C	3,436 Ω
Sound pressure level	63 dB(A)
Vibration	0,8 mm/s
Insulation resistance	200 MΩ
Bearing temperature	58,8 °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-112MA-4B14



Frame size	Number of poles	D	E	F	G	M	R	P	S	T	AC	L	N
112MA	04	28	60	8	24	130	110	160	M8	3.5	240	450	M10

FELSTROM

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Technical data is subject to change. All sizes in mm