3F3A-132SA-4B14

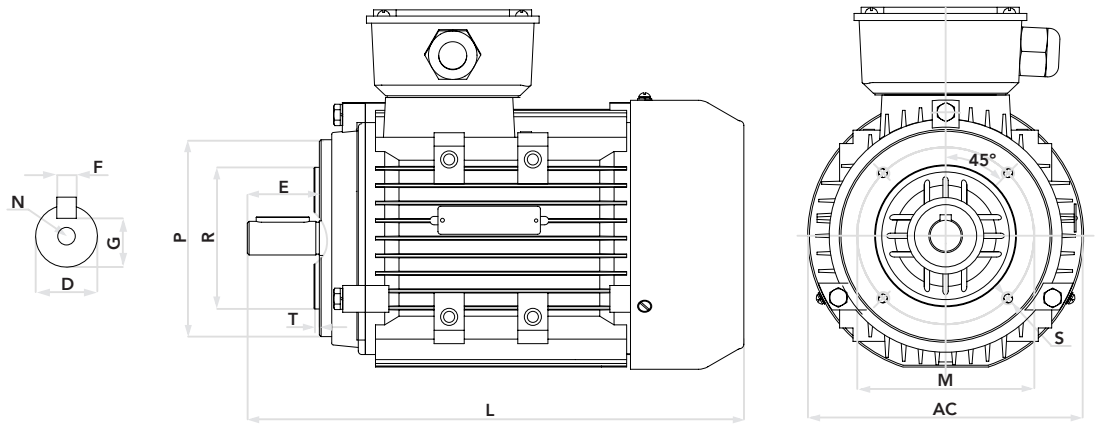
MECHANICAL DATA	
Noise at 50Hz	71 dB(A)
Moment of inertia	0.03835 kgm²
Bearing DE	6208ZZ
Bearing NDE	6208ZZ
Bearing lifetime	40000 h
Direction of rotation	bidirectional
Frame material	aluminum
Colour	RAL 7030
Cooling method	IC411
Ambient temperature	-20 / +40 °C
Altitude above sealevel	1000 m
Output	5.5kW
Speed	1445 rpm
Ins. Class	F
Efficiency	89,6% IE3
Voltage	400V
Connection	D
F.L. Current	10.7A
Power factor	0,83
Duty	S1
Frequency	50 Hz
IP	55
Weight	60 kg

SPECIAL DESIGN

ELECTRICAL TEST DATA	
Ambient temperature	23 °C
Resistance of winding	1,109 Ω
Three phase current unbalanced	0,98 %
No load amps	5,01 A
No load input	462 W
Core loss (Pfe)	114,5 W
Windage friction loss (Pfw)	27,3 W
Stator winding loss (Pcu1)	231,5 W
Rotor winding loss (Pcu2)	154,8 W
Stray load loss (Ps)	102,7 W
Locked rotor current	77,896 A
Locked rotor current / Full load current	7,28
Full load torque	36,34 Nm
Locked rotor input power at full load	28609,5 W
Locked rotor torque	79,24 Nm
Locked rotor torque / Full load torque	2,18
Full load input	6130,1 W
Full load current	10,43 A
Efficiency at 50% load	89,75 %
Efficiency at 75% load	90,25 %
Efficiency at 100% load	89,72 %
Power factor at full load	0,8484
Full load slip	3,013 %
Full load speed	1454,805
Stator winding temperature rise	57,25 K
Stator phase resistance at Ambient temperature of 95 °C	2,128 Ω
Sound pressure level	69 dB(A)
Vibration	0,6 mm/s
Insulation resistance	200 MΩ
Bearing temperature	57,25 °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-132SA-4B14



Frame size	Number of poles	D	E	F	G	M	R	P	S	T	AC	L	N
132SA	04	38	80	10	33	165	130	218	M10	4	275	470	M12

FELSTROM

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Technical data is subject to change. All sizes in mm