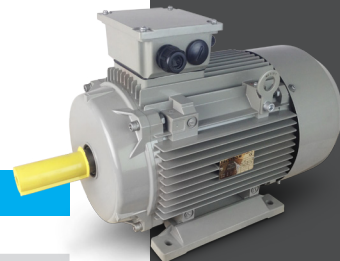


3F3A-160LA-2B3



MECHANICAL DATA

Noise at 50Hz	81 dB(A)
Moment of inertia	0.0968 kgm ²
Bearing DE	6309ZZ
Bearing NDE	6309ZZ
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	18.5kW
Speed	2930 rpm
Ins. Class	F
Efficiency	92,4% IE3
Voltage	400V
Connection	D
F.L. Current	32.5A
Power factor	0,89
Duty	S1
Frequency	50 Hz
IP	55
Weight	117 kg

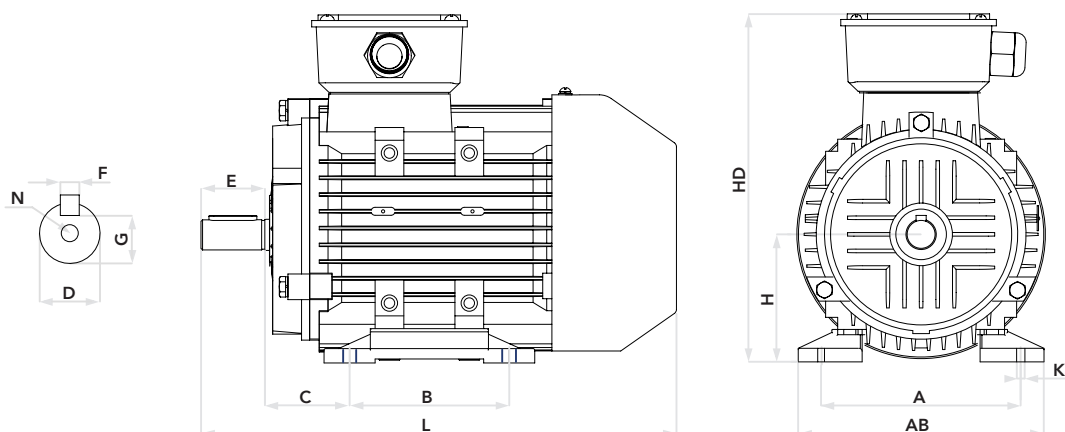
SPECIAL DESIGN

ELECTRICAL TEST DATA

Ambient temperature	16,1 °C
Resistance of winding	0,178 Ω
Three phase current unbalanced	2,11 %
No load amps	8,25 A
No load input	518,01 W
Core loss (Pfe)	335,03 W
Windage friction loss (Pfw)	158,4 W
Stator winding loss (Pcu1)	357,8 W
Rotor winding loss (Pcu2)	326,8 W
Stray load loss (Ps)	282 W
Locked rotor current	280,15 A
Locked rotor current / Full load current	8,62
Full load torque	60,3 Nm
Locked rotor input power at full load	88623,8 W
Locked rotor torque	188,13 Nm
Locked rotor torque / Full load torque	3,12
Full load input	19960 W
Full load current	31,89 A
Efficiency at 50% load	92,68 %
Efficiency at 75% load	93,05 %
Efficiency at 100% load	92,66 %
Power factor at full load	0,9037
Full load slip	1,696 %
Full load speed	2950 rpm
Stator winding temperature rise	53,35 K
Stator phase resistance at Ambient temperature of 95 °C	0,352 Ω
Sound pressure level	72 dB(A)
Vibration	1,5 mm/s
Insulation resistance	200 MΩ
Bearing temperature	53,6 °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-160LA-2B3



Frame size	Number of poles	A	B	C	D	E	F	G	H	K	N	AB	HD	L
160LA	02	254	254	108	42	110	12	37	160	14,5	M16	305	420	665

FELSTROM

3F3A-160LA-2B3

