

3F3A-160MB-2B3



MECHANICAL DATA

Noise at 50Hz	81 dB(A)
Moment of inertia	0.0658 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	15kW
Speed	2930 rpm
Ins. Class	F
Efficiency	91,9% IE3
Voltage	400V
Connection	D
F.L. Current	26.5A
Power factor	0,89
Duty	S1
Frequency	50 Hz
IP	55
Weight	94 kg

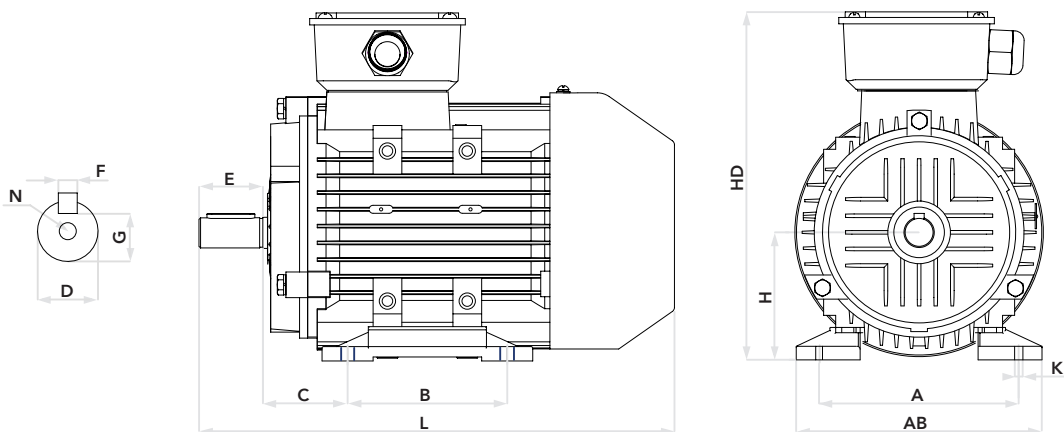
SPECIAL DESIGN

ELECTRICAL TEST DATA

Ambient temperature	12 °C
Resistance of winding	0,305 Ω
Three phase current unbalanced	2,7 %
No load amps	6,05 A
No load input	459,9 W
Core loss (Pfe)	257,7 W
Windage friction loss (Pfw)	178,5 W
Stator winding loss (Pcu1)	419,7 W
Rotor winding loss (Pcu2)	300,2 W
Stray load loss (Ps)	244,3 W
Locked rotor current	203,52 A
Locked rotor current / Full load current	7,68
Full load torque	48,89 Nm
Locked rotor input power at full load	85252,1 W
Locked rotor torque	147,65 Nm
Locked rotor torque / Full load torque	3,02
Full load input	16400,6 W
Full load current	26,21 A
Efficiency at 50% load	91,47 %
Efficiency at 75% load	92,08 %
Efficiency at 100% load	91,46 %
Power factor at full load	0,9033
Full load slip	1,909 %
Full load speed	2942,73 rpm
Stator winding temperature rise	62,52 K
Stator phase resistance at Ambient temperature of 95 °C	0,611 Ω
Sound pressure level	71 dB(A)
Vibration	1,4 mm/s
Insulation resistance	200 MΩ
Bearing temperature	52,4 °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-160MB-2B3



Frame size	Number of poles	A	B	C	D	E	F	G	H	K	N	AB	HD	L
160MB	02	254	210	108	42	110	12	37	160	14,5	M16	305	420	620

FELSTROM

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