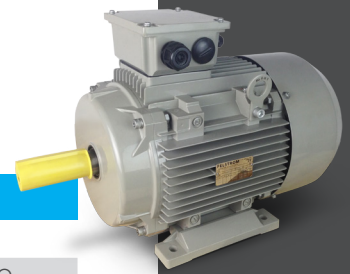


3F3A-160MA-4B3



MECHANICAL DATA

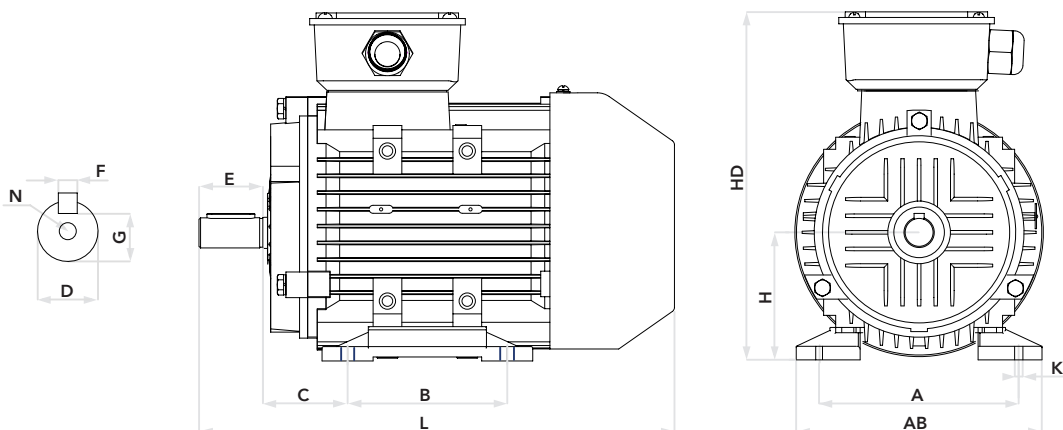
Noise at 50Hz	73 dB(A)
Moment of inertia	0.1095 kgm ²
Bearing DE	6309ZZ
Bearing NDE	6309ZZ
Bearing lifetime	40000 h
Direction of rotation	bidirectional
Frame material	aluminum
Colour	RAL 7030
Cooling method	IC411
Ambient temperature	-20 / +40 °C
Altitude above sealevel	1000 m
Output	11kW
Speed	1455 rpm
Ins. Class	F
Efficiency	91,4% IE3
Voltage	400V
Connection	D
F.L. Current	20.4A
Power factor	0,85
Duty	S1
Frequency	50 Hz
IP	55
Weight	90 kg

SPECIAL DESIGN

ELECTRICAL TEST DATA

Ambient temperature	16 °C
Resistance of winding	0,398 Ω
Three phase current unbalanced	0,68 %
No load amps	10,07 A
No load input	420,6 W
Core loss (Pfe)	295,3 W
Windage friction loss (Pfw)	51,7 W
Stator winding loss (Pcu1)	346,5 W
Rotor winding loss (Pcu2)	268,9 W
Stray load loss (Ps)	132 W
Locked rotor current	161,976 A
Locked rotor current / Full load current	7,94
Full load torque	72,2 Nm
Locked rotor input power at full load	58562,1 W
Locked rotor torque	210,1 Nm
Locked rotor torque / Full load torque	2,91
Full load input	12094 W
Full load current	21,02 A
Efficiency at 50% load	90,03 %
Efficiency at 75% load	91,04 %
Efficiency at 100% load	90,95 %
Power factor at full load	0,8304
Full load slip	1,989 %
Full load speed	1470,16 rpm
Stator winding temperature rise	66,83 K
Stator phase resistance at Ambient temperature of 95 °C	0,784 Ω
Sound pressure level	64 dB(A)
Vibration	1,2 mm/s
Insulation resistance	200 MΩ
Bearing temperature	57,2 °C

DIMENSIONS 3F3A-160MA-4B3



Frame size	Number of poles	A	B	C	D	E	F	G	H	K	N	AB	HD	L
160MA	04	254	210	108	42	110	12	37	160	14,5	M16	305	420	620

FELSTROM

3F3A-160MA-4B3

