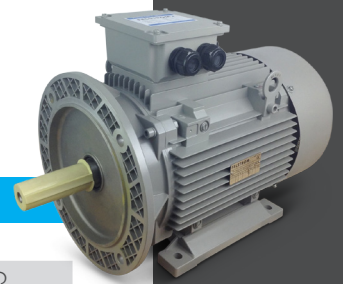


3F3A-160LA-4B35



MECHANICAL DATA

Noise at 50Hz	73 dB(A)
Moment of inertia	0.1138 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	1455 rpm
Ins. Class	F
Efficiency	92,1% IE3
Voltage	400V
Connection	D
F.L. Current	27.3A
Power factor	0,86
Duty	S1
Frequency	50 Hz
IP	55
Weight	113 kg

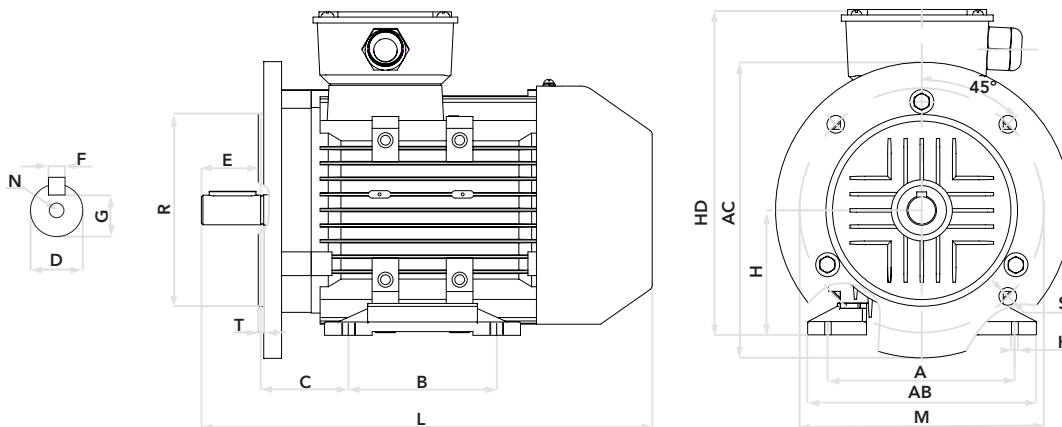
SPECIAL DESIGN

ELECTRICAL TEST DATA

Ambient temperature	18 °C
Resistance of winding	0,323 Ω
Three phase current unbalanced	0,66 %
No load amps	13,48 A
No load input	432,5 W
Core loss (Pfe)	259,6 W
Windage friction loss (Pfw)	37,84 W
Stator winding loss (Pcu1)	507,3 W
Rotor winding loss (Pcu2)	298,3 W
Stray load loss (Ps)	169,1 W
Locked rotor current	235,326 A
Locked rotor current / Full load current	8,62
Full load torque	98,4 Nm
Locked rotor input power at full load	97467,1 W
Locked rotor torque	263,712 Nm
Locked rotor torque / Full load torque	2,68
Full load input	16272 W
Full load current	28,32 A
Efficiency at 50% load	91,95 %
Efficiency at 75% load	92,41 %
Efficiency at 100% load	92,18 %
Power factor at full load	0,8293
Full load slip	1,994 %
Full load speed	1470,09 rpm
Stator winding temperature rise	67,03 K
Stator phase resistance at Ambient temperature of 95 °C	0,632 Ω
Sound pressure level	65 dB(A)
Vibration	1,2 mm/s
Insulation resistance	200 MΩ
Bearing temperature	56,4 °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-160LA-4B35



Frame size	Number of poles	A	B	C	D	E	F	G	H	K	M	R	S	T	AB	AC	HD	L	N
160LA	04	254	254	108	42	110	12	37	160	14.5	300	250	4-18.5	5	305	330	420	665	M16

FELSTROM

3F3A-160LA-4B35

