

Motor Data Sheet



Output kW	7.5
Pole	8
Frame Size	160L
Voltage	415/690 50Hz, 440/460/480 60Hz
Motor Series	TAI
Construction	Aluminium
Type	TEFC
Protection	IP55
Insulation Class	F with Class B rise
Ambient	-20°C to +40°C at 1000 MASL
IEC Standard	IEC 60034 & 72
Duty	S1
Full Load RPM	710
Full Load Current @ 400V	17.6 A
Starting Current Ratio	5.96
Full Load Torque (Nm)	99.9
Starting Torque Ratio	2.71
Break Down Torque Ratio	2.81
Pull Up Torque Ratio	1.96
Efficiency @ 100% load	86.5%
Efficiency @ 75% load	87.4%
Efficiency @ 50% load	86.5%
Power factor @ 100% load	0.71
Power factor @ 75% load	0.63
Power factor @ 50% load	0.49
Noise Level dB (A) @ 1 metre	64
Output kW @ 440/460/480V	8.3/8.6/9.0
Full Load RPM @ 60Hz	852
Full Load Current @ 440/460/480V	16.0/15.3/14.7 A
Vibration Limit	2.8 mm/sec
Bearing Make	NSK
Bearing Type D.E./N.D.E	Ball/Ball
Bearing Size D.E./N.D.E.	6309ZZ/6209ZZ C3
Motor Mass	92 kg
Thermal Protection	PTC 150°C

Note: This data sheet has been issued for our standard TAI series and is subject to change without prior notice.