

# Motor Data Sheet



Output kW	4
Pole	8
Frame Size	160MA
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	9.9 A
Starting Current Ratio	4.77
Full Load Torque (Nm)	53.5
Starting Torque Ratio	1.89
Break Down Torque Ratio	2.40
Pull Up Torque Ratio	1.72
Efficiency @ 100% load	83.5%
Efficiency @ 75% load	84.5%
Efficiency @ 50% load	83.2%
Power factor @ 100% load	0.70
Power factor @ 75% load	0.61
Power factor @ 50% load	0.48
Noise Level dB (A) @ 1 metre	58
Output kW @ 440/460/480V	4.4/4.6/4.8
Full Load RPM @ 60Hz	852
Full Load Current @ 440/460/480V	9.0/8.6/8.3 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	60 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.