

# Motor Data Sheet



Output kW	5.5
Pole	8
Frame Size	160MB
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	715
Full Load Current @ 400V	13.3 A
Starting Current Ratio	5.05
Full Load Torque (Nm)	73.0
Starting Torque Ratio	2.09
Break Down Torque Ratio	2.63
Pull Up Torque Ratio	1.85
Efficiency @ 100% load	85.1%
Efficiency @ 75% load	86.1%
Efficiency @ 50% load	85.2%
Power factor @ 100% load	0.70
Power factor @ 75% load	0.62
Power factor @ 50% load	0.49
Noise Level dB (A) @ 1 metre	64
Output kW @ 440/460/480V	4.4/4.6/4.8
Full Load RPM @ 60Hz	858
Full Load Current @ 440/460/480V	12.1/11.6/11.1 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	82 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.