

# Motor Data Sheet



Output kW	7.5
Pole	6
Frame Size	160M
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	960
Full Load Current @ 400V	16.0 A
Starting Current Ratio	6.88
Full Load Torque (Nm)	74.1
Starting Torque Ratio	2.57
Break Down Torque Ratio	2.88
Pull Up Torque Ratio	1.87
Efficiency @ 100% load	87.7%
Efficiency @ 75% load	88.7%
Efficiency @ 50% load	88.3%
Power factor @ 100% load	0.77
Power factor @ 75% load	0.70
Power factor @ 50% load	0.58
Noise Level dB (A) @ 1 metre	67
Output kW @ 440/460/480V	8.3/8.6/9.0
Full Load RPM @ 60Hz	1152
Full Load Current @ 440/460/480V	14.5/13.9/13.3 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	74 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.