

# Motor Data Sheet



Output kW	5.5
Pole	6
Frame Size	13MB
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	12.44 A
Starting Current Ratio	6.54
Full Load Torque (Nm)	54.5
Starting Torque Ratio	2.40
Break Down Torque Ratio	2.61
Pull Up Torque Ratio	1.84
Efficiency @ 100% load	86.3%
Efficiency @ 75% load	87.5%
Efficiency @ 50% load	87.1%
Power factor @ 100% load	0.75
Power factor @ 75% load	0.69
Power factor @ 50% load	0.57
Noise Level dB (A) @ 1 metre	67
Output kW @ 440/460/480V	6.1/6.3/6.6
Full Load RPM @ 60Hz	1152
Full Load Current @ 440/460/480V	11.3/10.8/10.4 A
Vibration Limit	1.8 mm/sec
Bearing Make	NSK
Bearing Type D.E./N.D.E	Ball/Ball
Bearing Size D.E./N.D.E.	6308ZZ/6308ZZ C3
Motor Mass	58.5 kg
Thermal Protection	Available upon request

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