

# Motor Data Sheet



Output kW	11
Pole	8
Frame Size	180L
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	730
Full Load Current @ 400V	24.1 A
Starting Current Ratio	6.37
Full Load Torque (Nm)	143.6
Starting Torque Ratio	2.01
Break Down Torque Ratio	2.73
Pull Up Torque Ratio	1.80
Efficiency @ 100% load	89.2%
Efficiency @ 75% load	89.6%
Efficiency @ 50% load	88.6%
Power factor @ 100% load	0.74
Power factor @ 75% load	0.67
Power factor @ 50% load	0.55
Noise Level dB (A) @ 1 metre	64
Output kW @ 440/460/480V	12.1/12.6/13.2
Full Load RPM @ 60Hz	876
Full Load Current @ 440/460/480V	21.9/20.9/20.0 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.	6311ZZ/6211ZZ C3
Motor Mass	129 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.