

Motor Data Sheet



Output kW	11
Pole	6
Frame Size	160L
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	970
Full Load Current @ 400V	23.4 A
Starting Current Ratio	6.41
Full Load Torque (Nm)	108.2
Starting Torque Ratio	2.28
Break Down Torque Ratio	2.39
Pull Up Torque Ratio	1.31
Efficiency @ 100% load	89.4%
Efficiency @ 75% load	90.0%
Efficiency @ 50% load	89.4%
Power factor @ 100% load	0.76
Power factor @ 75% load	0.70
Power factor @ 50% load	0.57
Noise Level dB (A) @ 1 metre	69
Output kW @ 440/460/480V	12.1/12.6/13.2
Full Load RPM @ 60Hz	1164
Full Load Current @ 440/460/480V	21.3/20.3/19.5 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	93 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.