

Motor Data Sheet



Output kW	37
Pole	2
Frame Size	200LA
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	2950
Full Load Current @ 400V	63.7 A
Starting Current Ratio	9.54
Full Load Torque (Nm)	119.5
Starting Torque Ratio	2.87
Break Down Torque Ratio	3.48
Pull Up Torque Ratio	1.34
Efficiency @ 100% load	92.1%
Efficiency @ 75% load	91.8%
Efficiency @ 50% load	90.1%
Power factor @ 100% load	0.91
Power factor @ 75% load	0.89
Power factor @ 50% load	0.83
Noise Level dB (A) @ 1 metre	86
Output kW @ 440/460/480V	40.7/42.6/44.4
Full Load RPM @ 60Hz	3540
Full Load Current @ 440/460/480V	57.9/55.4/53.1 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.	6312ZZ/6212ZZ C3
Motor Mass	182 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.