

Motor Data Sheet



Output kW	1.1
Pole	4
Frame Size	90S
Voltage	230/415 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	1420
Full Load Current @ 400V	2.57 A
Starting Current Ratio	6.18
Full Load Torque (Nm)	7.4
Starting Torque Ratio	2.96
Break Down Torque Ratio	2.97
Pull Up Torque Ratio	2.47
Efficiency @ 100% load	82.8%
Efficiency @ 75% load	83.8%
Efficiency @ 50% load	82.5%
Power factor @ 100% load	0.75
Power factor @ 75% load	0.67
Power factor @ 50% load	0.54
Noise Level dB (A) @ 1 metre	60
Output kW @ 440/460/480V	1.21/1.27/1.32
Full Load RPM @ 60Hz	1704
Full Load Current @ 440/460/480V	2.33/2.27/2.14 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.	6205ZZ/6205ZZ C3
Motor Mass	14.3 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.