

Motor Data Sheet



Output kW	22
Pole	2
Frame Size	180M
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	39.5 A
Starting Current Ratio	8.65
Full Load Torque (Nm)	71.2
Starting Torque Ratio	2.74
Break Down Torque Ratio	3.16
Pull Up Torque Ratio	1.60
Efficiency @ 100% load	92.3%
Efficiency @ 75% load	92.6%
Efficiency @ 50% load	91.9%
Power factor @ 100% load	0.87
Power factor @ 75% load	0.85
Power factor @ 50% load	0.80
Noise Level dB (A) @ 1 metre	84
Output kW @ 440/460/480V	24.2/25.3/26.4
Full Load RPM @ 60Hz	3540
Full Load Current @ 440/460/480V	35.9/34.3/32.9 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	128 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.