

Motor Data Sheet



Output kW	18.5
Pole	4
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	1460
Full Load Current @ 400V	33.2 A
Starting Current Ratio	7.74
Full Load Torque (Nm)	120.4
Starting Torque Ratio	2.38
Break Down Torque Ratio	2.98
Pull Up Torque Ratio	1.85
Efficiency @ 100% load	91.5%
Efficiency @ 75% load	91.9%
Efficiency @ 50% load	91.3%
Power factor @ 100% load	0.88
Power factor @ 75% load	0.83
Power factor @ 50% load	0.73
Noise Level dB (A) @ 1 metre	73
Output kW @ 440/460/480V	20.3/21.3/22.2
Full Load RPM @ 60Hz	1752
Full Load Current @ 440/460/480V	30.1/28.9/27.7 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	119 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.