

Motor Data Sheet



Output kW	15
Pole	6
Frame Size	180L
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	975
Full Load Current @ 400V	29.2 A
Starting Current Ratio	7.68
Full Load Torque (Nm)	146.8
Starting Torque Ratio	2.42
Break Down Torque Ratio	2.83
Pull Up Torque Ratio	1.70
Efficiency @ 100% load	90.4%
Efficiency @ 75% load	90.9%
Efficiency @ 50% load	90.3%
Power factor @ 100% load	0.82
Power factor @ 75% load	0.78
Power factor @ 50% load	0.66
Noise Level dB (A) @ 1 metre	69
Output kW @ 440/460/480V	16.5/17.2/18.0
Full Load RPM @ 60Hz	1170
Full Load Current @ 440/460/480V	26.5/25.4/24.3 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	130 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.