

# Motor Data Sheet



Output kW	18.5
Pole	6
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	980
Full Load Current @ 400V	36.9 A
Starting Current Ratio	8.53
Full Load Torque (Nm)	179.4
Starting Torque Ratio	2.07
Break Down Torque Ratio	3.20
Pull Up Torque Ratio	1.39
Efficiency @ 100% load	91.2%
Efficiency @ 75% load	91.2%
Efficiency @ 50% load	90.0%
Power factor @ 100% load	0.81
Power factor @ 75% load	0.74
Power factor @ 50% load	0.62
Noise Level dB (A) @ 1 metre	69
Output kW @ 440/460/480V	20.3/21.3/22.2
Full Load RPM @ 60Hz	1176
Full Load Current @ 440/460/480V	33.5/32.1/30.8 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	149 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.