

Motor Data Sheet



Output kW	18.5
Pole	4
Frame Size	180M
Voltage	415/690 50Hz, 440/460/480 60Hz
Motor Series	TCI
Construction	Cast Iron
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	1470
Full Load Current @ 400V	33.2 A
Starting Current Ratio	7.86
Full Load Torque (Nm)	120.1
Starting Torque Ratio	2.54
Break Down Torque Ratio	3.11
Pull Up Torque Ratio	1.94
Efficiency @ 100% load	91.8%
Efficiency @ 75% load	92.0%
Efficiency @ 50% load	91.2%
Power factor @ 100% load	0.88
Power factor @ 75% load	0.84
Power factor @ 50% load	0.75
Noise Level dB (A) @ 1 metre	73
Output kW @ 440/460/480V	20.3/21.3/22.2
Full Load RPM @ 60Hz	1764
Full Load Current @ 440/460/480V	30.2/28.9/27.7 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.	6311/6311 C3
Motor Mass	
Thermal Protection	PTC 150°C

Note: This data sheet has been issued for our standard TCI series and is subject to change without prior notice.