

# Motor Data Sheet



Output kW	45
Pole	2
Frame Size	225M
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	2955
Full Load Current @ 400V	77.6 A
Starting Current Ratio	7.44
Full Load Torque (Nm)	145.2
Starting Torque Ratio	2.73
Break Down Torque Ratio	2.51
Pull Up Torque Ratio	1.13
Efficiency @ 100% load	93.2%
Efficiency @ 75% load	93.4%
Efficiency @ 50% load	92.8%
Power factor @ 100% load	0.91
Power factor @ 75% load	0.89
Power factor @ 50% load	0.84
Noise Level dB (A) @ 1 metre	88
Output kW @ 440/460/480V	49.5/51.7/54.0
Full Load RPM @ 60Hz	3546
Full Load Current @ 440/460/480V	70.5/67.5/64.7 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.	6313/6313 C3
Motor Mass	
Thermal Protection	PTC 150°C x 3

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