

# Motor Data Sheet



Output kW	7.5
Pole	6
Frame Size	160M
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	980
Full Load Current @ 400V	17.5 A
Starting Current Ratio	8.55
Full Load Torque (Nm)	73
Starting Torque Ratio	3.31
Break Down Torque Ratio	3.36
Pull Up Torque Ratio	1.94
Efficiency @ 100% load	89.7%
Efficiency @ 75% load	89.4%
Efficiency @ 50% load	87.5%
Power factor @ 100% load	0.71
Power factor @ 75% load	0.63
Power factor @ 50% load	0.50
Noise Level dB (A) @ 1 metre	67
Output kW @ 440/460/480V	8.25/8.63/9.0
Full Load RPM @ 60Hz	1176
Full Load Current @ 440/460/480V	15.9/15.2/14.6 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.	6309/6309 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.