

# Motor Data Sheet



Output kW	90
Pole	4
Frame Size	280M
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	1485
Full Load Current @ 400V	152.9 A
Starting Current Ratio	8.60
Full Load Torque (Nm)	578.7
Starting Torque Ratio	2.97
Break Down Torque Ratio	2.60
Pull Up Torque Ratio	2.29
Efficiency @ 100% load	94.4%
Efficiency @ 75% load	94.8%
Efficiency @ 50% load	94.6%
Power factor @ 100% load	0.92
Power factor @ 75% load	0.90
Power factor @ 50% load	0.86
Noise Level dB (A) @ 1 metre	80
Output kW @ 440/460/480V	99.0/104.0/108.0
Full Load RPM @ 60Hz	1782
Full Load Current @ 440/460/480V	139/133/127 A
Vibration Limit	3.5 mm/sec
Bearing Make	NSK
Bearing Type D.E./N.D.E	Ball/Ball
Bearing Size D.E./N.D.E.	6316/6316 C3
Motor Mass	658 kg
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.