

Motor Data Sheet



Output kW	55
Pole	6
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	985
Full Load Current @ 400V	99.0 A
Starting Current Ratio	8.97
Full Load Torque (Nm)	531.3
Starting Torque Ratio	3.21
Break Down Torque Ratio	3.11
Pull Up Torque Ratio	1.81
Efficiency @ 100% load	93.5%
Efficiency @ 75% load	93.6%
Efficiency @ 50% load	92.7%
Power factor @ 100% load	0.87
Power factor @ 75% load	0.83
Power factor @ 50% load	0.74
Noise Level dB (A) @ 1 metre	77
Output kW @ 440/460/480V	60.5/63.3/66.0
Full Load RPM @ 60Hz	1182
Full Load Current @ 440/460/480V	90.0/86.0/83.0 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	
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.