

Motor Data Sheet



Output kW	37
Pole	6
Frame Size	250M
Voltage	415/690 50Hz, 440/460/480 60Hz
Motor Series	TCl
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	68.7 A
Starting Current Ratio	6.46
Full Load Torque (Nm)	359.2
Starting Torque Ratio	1.86
Break Down Torque Ratio	2.32
Pull Up Torque Ratio	1.35
Efficiency @ 100% load	93.2%
Efficiency @ 75% load	93.3%
Efficiency @ 50% load	92.4%
Power factor @ 100% load	0.85
Power factor @ 75% load	0.82
Power factor @ 50% load	0.73
Noise Level dB (A) @ 1 metre	72
Output kW @ 440/460/480V	40.7/42.6/44.4
Full Load RPM @ 60Hz	1176
Full Load Current @ 440/460/480V	62.5/59.7/57.3 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.	6314/6314 C3
Motor Mass	
Thermal Protection	PTC 150°C x 3

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