

Motor Data Sheet



Output kW	45
Pole	4
Frame Size	225M
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	1475
Full Load Current @ 400V	85.1 A
Starting Current Ratio	6.95
Full Load Torque (Nm)	290.5
Starting Torque Ratio	2.07
Break Down Torque Ratio	3.33
Pull Up Torque Ratio	1.87
Efficiency @ 100% load	93.1%
Efficiency @ 75% load	92.9%
Efficiency @ 50% load	91.5%
Power factor @ 100% load	0.83
Power factor @ 75% load	0.78
Power factor @ 50% load	0.68
Noise Level dB (A) @ 1 metre	75
Output kW @ 440/460/480V	49.5/51.7/54.0
Full Load RPM @ 60Hz	1770
Full Load Current @ 440/460/480V	77.4/74.0/70.9 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 TCl series and is subject to change without prior notice.