

Motor Data Sheet



Output kW	15
Pole	6
Frame Size	180L
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	31.4 A
Starting Current Ratio	8.82
Full Load Torque (Nm)	145.7
Starting Torque Ratio	2.67
Break Down Torque Ratio	3.22
Pull Up Torque Ratio	1.53
Efficiency @ 100% load	89.6%
Efficiency @ 75% load	88.9%
Efficiency @ 50% load	86.7%
Power factor @ 100% load	0.77
Power factor @ 75% load	0.70
Power factor @ 50% load	0.58
Noise Level dB (A) @ 1 metre	69
Output kW @ 440/460/480V	16.5/17.2/18.0
Full Load RPM @ 60Hz	1176
Full Load Current @ 440/460/480V	28.5/27.3/26.2 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.	6311/6311 C3
Motor Mass	
Thermal Protection	PTC 150°C

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