

Motor Data Sheet



Output kW	45
Pole	6
Frame Size	280S
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	81.5 A
Starting Current Ratio	8.5
Full Load Torque (Nm)	434.7
Starting Torque Ratio	2.84
Break Down Torque Ratio	2.72
Pull Up Torque Ratio	1.56
Efficiency @ 100% load	92.7%
Efficiency @ 75% load	93.0%
Efficiency @ 50% load	92.8%
Power factor @ 100% load	0.86
Power factor @ 75% load	0.82
Power factor @ 50% load	0.73
Noise Level dB (A) @ 1 metre	75
Output kW @ 440/460/480V	49.5/51.7/54.0
Full Load RPM @ 60Hz	1182
Full Load Current @ 440/460/480V	74.0/70.1/67.9 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.	6313/6313 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.