

Motor Data Sheet



Output kW	75
Pole	2
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	2970
Full Load Current @ 400V	125.3 A
Starting Current Ratio	8.98
Full Load Torque (Nm)	241
Starting Torque Ratio	2.56
Break Down Torque Ratio	2.81
Pull Up Torque Ratio	1.05
Efficiency @ 100% load	93.9%
Efficiency @ 75% load	93.9%
Efficiency @ 50% load	93.0%
Power factor @ 100% load	0.93
Power factor @ 75% load	0.93
Power factor @ 50% load	0.90
Noise Level dB (A) @ 1 metre	90
Output kW @ 440/460/480V	82.5/86.3/90.0
Full Load RPM @ 60Hz	3564
Full Load Current @ 440/460/480V	113.9/109.0/104.4 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.