

# Motor Data Sheet



Output kW	160
Pole	4
Frame Size	315LA
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	1485
Full Load Current @ 400V	269.5 A
Starting Current Ratio	7.00
Full Load Torque (Nm)	1029.0
Starting Torque Ratio	2.63
Break Down Torque Ratio	2.84
Pull Up Torque Ratio	1.42
Efficiency @ 100% load	95.2%
Efficiency @ 75% load	94.9%
Efficiency @ 50% load	93.5%
Power factor @ 100% load	0.90
Power factor @ 75% load	0.87
Power factor @ 50% load	0.79
Noise Level dB (A) @ 1 metre	86
Output kW @ 440/460/480V	176/184/192
Full Load RPM @ 60Hz	1782
Full Load Current @ 440/460/480V	245/234/225 A
Vibration Limit	3.5 mm/sec
Bearing Make	NSK
Bearing Type D.E./N.D.E	Roller/Ball
Bearing Size D.E./N.D.E.	NU319/6319 C3
Motor Mass	1108 kg
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.