

Motor Data Sheet



Output kW	3.0
Pole	4
Frame Size	100LB
Voltage	230/415 50Hz, 440/460/480 60Hz
Motor Series	TAI
Construction	Aluminium
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	1445
Full Load Current @ 400V	6.27 A
Starting Current Ratio	7.60
Full Load Torque (Nm)	19.8
Starting Torque Ratio	2.39
Break Down Torque Ratio	3.25
Pull Up Torque Ratio	2.44
Efficiency @ 100% load	86.0%
Efficiency @ 75% load	86.6%
Efficiency @ 50% load	85.4%
Power factor @ 100% load	0.80
Power factor @ 75% load	0.73
Power factor @ 50% load	0.59
Noise Level dB (A) @ 1 metre	62
Output kW @ 440/460/480V	3.3/3.5/3.6
Full Load RPM @ 60Hz	1734
Full Load Current @ 440/460/480V	5.70/5.45/5.22 A
Vibration Limit	1.8 mm/sec
Bearing Make	NSK
Bearing Type D.E./N.D.E	Ball/Ball
Bearing Size D.E./N.D.E.	6206ZZ/6206ZZ C3
Motor Mass	26.3 kg
Thermal Protection	Available upon request

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