

Motor Data Sheet



Output kW	11
Pole	2
Frame Size	160MA
Voltage	415/690 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	2945
Full Load Current @ 400V	19.7 A
Starting Current Ratio	8.31
Full Load Torque (Nm)	35.6
Starting Torque Ratio	2.67
Break Down Torque Ratio	3.45
Pull Up Torque Ratio	1.52
Efficiency @ 100% load	90.5%
Efficiency @ 75% load	90.6%
Efficiency @ 50% load	89.2%
Power factor @ 100% load	0.89
Power factor @ 75% load	0.86
Power factor @ 50% load	0.78
Noise Level dB (A) @ 1 metre	79
Output kW @ 440/460/480V	12.1/12.6/13.2
Full Load RPM @ 60Hz	3534
Full Load Current @ 440/460/480V	17.9/17.1/16.4 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.	6309ZZ/6209ZZ C3
Motor Mass	79 kg
Thermal Protection	PTC 150°C

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