

Motor Data Sheet



Output kW	7.5
Pole	4
Frame Size	132M
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	1450
Full Load Current @ 400V	14.3 A
Starting Current Ratio	8.23
Full Load Torque (Nm)	49.4
Starting Torque Ratio	2.99
Break Down Torque Ratio	2.95
Pull Up Torque Ratio	1.17
Efficiency @ 100% load	89.5%
Efficiency @ 75% load	90.4%
Efficiency @ 50% load	90.1%
Power factor @ 100% load	0.85
Power factor @ 75% load	0.82
Power factor @ 50% load	0.73
Noise Level dB (A) @ 1 metre	70
Output kW @ 440/460/480V	8.3/8.6/9.0
Full Load RPM @ 60Hz	1740
Full Load Current @ 440/460/480V	13.0/12.4/11.9 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.	6308ZZ/6308ZZ C3
Motor Mass	62.3 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.