

Motor Data Sheet



Output kW	7.5
Pole	2
Frame Size	132SB
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	2920
Full Load Current @ 400V	13.9 A
Starting Current Ratio	10.29
Full Load Torque (Nm)	24.5
Starting Torque Ratio	3.14
Break Down Torque Ratio	3.66
Pull Up Torque Ratio	2.02
Efficiency @ 100% load	89.2%
Efficiency @ 75% load	89.6%
Efficiency @ 50% load	88.6%
Power factor @ 100% load	0.89
Power factor @ 75% load	0.86
Power factor @ 50% load	0.77
Noise Level dB (A) @ 1 metre	75
Output kW @ 440/460/480V	8.3/8.6/9.0
Full Load RPM @ 60Hz	3504
Full Load Current @ 440/460/480V	12.6/12.1/11.6 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	50 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.