

Motor Data Sheet



Output kW	0.55
Pole	8
Frame Size	90L
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	700
Full Load Current @ 400V	2.1 A
Starting Current Ratio	3.38
Full Load Torque (Nm)	7.46
Starting Torque Ratio	1.95
Break Down Torque Ratio	2.35
Pull Up Torque Ratio	1.79
Efficiency @ 100% load	65.3%
Efficiency @ 75% load	62.9%
Efficiency @ 50% load	55.9%
Power factor @ 100% load	0.58
Power factor @ 75% load	0.49
Power factor @ 50% load	0.38
Noise Level dB (A) @ 1 metre	57
Output kW @ 440/460/480V	0.60/0.63/0.66
Full Load RPM @ 60Hz	840
Full Load Current @ 440/460/480V	1.91/1.83/1.75 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.	6205ZZ/6205ZZ C3
Motor Mass	13.9 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.