

# Motor Data Sheet



Output kW	1.5
Pole	4
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	1440
Full Load Current @ 400V	3.44 A
Starting Current Ratio	7.13
Full Load Torque (Nm)	9.9
Starting Torque Ratio	3.16
Break Down Torque Ratio	3.13
Pull Up Torque Ratio	2.40
Efficiency @ 100% load	85.5%
Efficiency @ 75% load	86.1%
Efficiency @ 50% load	84.9%
Power factor @ 100% load	0.76
Power factor @ 75% load	0.68
Power factor @ 50% load	0.55
Noise Level dB (A) @ 1 metre	60
Output kW @ 440/460/480V	1.65/1.73/1.80
Full Load RPM @ 60Hz	1728
Full Load Current @ 440/460/480V	3.12/2.99/2.86 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	18 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.