

# Motor Data Sheet



Output kW	0.75
Pole	4
Frame Size	80B
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	1420
Full Load Current @ 400V	1.94 A
Starting Current Ratio	5.50
Full Load Torque (Nm)	5.0
Starting Torque Ratio	3.03
Break Down Torque Ratio	3.10
Pull Up Torque Ratio	2.70
Efficiency @ 100% load	81.1%
Efficiency @ 75% load	81.5%
Efficiency @ 50% load	79.2%
Power factor @ 100% load	0.69
Power factor @ 75% load	0.60
Power factor @ 50% load	0.46
Noise Level dB (A) @ 1 metre	60
Output kW @ 440/460/480V	0.83/0.86/0.90
Full Load RPM @ 60Hz	1704
Full Load Current @ 440/460/480V	1.76/1.69/1.62 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.	6204ZZ/6204ZZ C3
Motor Mass	10.5 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.