

Motor Data Sheet



Output kW	0.55
Pole	4
Frame Size	80A
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	1410
Full Load Current @ 400V	1.63 A
Starting Current Ratio	4.49
Full Load Torque (Nm)	3.72
Starting Torque Ratio	2.33
Break Down Torque Ratio	2.59
Pull Up Torque Ratio	1.90
Efficiency @ 100% load	71.5%
Efficiency @ 75% load	70.9%
Efficiency @ 50% load	64.3%
Power factor @ 100% load	0.68
Power factor @ 75% load	0.58
Power factor @ 50% load	0.45
Noise Level dB (A) @ 1 metre	59
Output kW @ 440/460/480V	0.60/0.63/0.66
Full Load RPM @ 60Hz	1692
Full Load Current @ 440/460/480V	1.48/1.42/1.36 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	8.3 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.