

Motor Data Sheet



Output kW	30
Pole	4
Frame Size	200L
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	1470
Full Load Current @ 400V	54.2 A
Starting Current Ratio	9.46
Full Load Torque (Nm)	194.5
Starting Torque Ratio	3.25
Break Down Torque Ratio	3.70
Pull Up Torque Ratio	2.33
Efficiency @ 100% load	92.9%
Efficiency @ 75% load	93.2%
Efficiency @ 50% load	92.6%
Power factor @ 100% load	0.86
Power factor @ 75% load	0.82
Power factor @ 50% load	0.71
Noise Level dB (A) @ 1 metre	75
Output kW @ 440/460/480V	33.0/34.5/36.0
Full Load RPM @ 60Hz	1764
Full Load Current @ 440/460/480V	49.3/47.1/45.2 A
Vibration Limit	2.8 mm/sec
Bearing Make	NSK
Bearing Type D.E./N.D.E	Ball/Ball
Bearing Size D.E./N.D.E.	6312ZZ/6212ZZ C3
Motor Mass	169 kg
Thermal Protection	PTC 150°C

Note: This data sheet has been issued for our standard TAI series and is subject to change without prior notice.