

0.55kw 4 Pole Motor Technical Data

RATING AND BASIC DATA		
Quotation Ref:	N/A	
Mounting	B3	
Type	Squarrel Cage Induction Motor	
Output Power (kW)	0.55 kW	
Output Power (HP)	0.75 HP	
Power Supply Frequency (Hz) (+/- 2%)	50/60 Hz	
No. of Poles	4	
Industry Standard	IEC60034	
Efficiency	IE3	
Enclosure	TEFC	
CONSTRUCTION		
Frame Size	80	
Housing Material	Aluminium	
Bearing Type DE / NDE	6204-2RS-C3	6204-2RS-C3
Lubrication	N/A	
Lubrication Type	Sealed for Life	
Lubrication Amount	N/A	
Insulation Class	F	
Temperature Rise by Resistance at S.F.1	B	
Estimated Weight	9.1Kg	
Ingress Protection	IP55	
Terminal Box Cable Entry	1 x M20 x 1.5	
SITE CONDITION		
Ambient Temperature (deg C)	40	
Maximum Altitude (metre)	1000	
Area Classification	Safe Area	
Rating	Continuous S1	
Service Factor	1	
Starting Method	See Name Plate	
PERFORMANCE DATA		
Full Load Speed (RPM)	1400 RPM	
Rated Voltage (+ / -5%)	380 / 420 V	220 / 240 V
Full Load Current (A)	1.37 A	2.39 A
Efficiency – 100% load	80.8	
Efficiency – 75% load	80.8	
Efficiency – 50% load	79.2	
Power Factor – 100% load	0.75	
Starting Current (Is/In)	5.2	
Full Load Torque	3.75Nm	
Locked Rotor Torque (Ts/Tn)	2.4	
Maximum Torque Tmax/Tn	2.3	
ACCESSORIES		
Winding Thermistors 1 Per Phase 130deg.	Optional (Non Included)	
PAINTING		
Finish Colour	Non Painted Aluminium	