

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :				
Product line : Pool Spa Pump Single-Phase Start Capacitor		Product code : 10230084		
		Catalog # : PCQ110		
Frame : K48Y	Output : 1 HP (0.75 kW)	Poles : 2	Frequency : 60 Hz	Rated voltage : 115/230 V
Rated current : 12.5/6.25 A	L. R. Amperes : 71.2/35.6 A	LRC : 5.7x(Code K)	No load current : 8.30/4.15 A	Rated speed : 3470 rpm
Slip : 3.61 %	Rated torque : 1.51 ft.lb	Locked rotor torque : 140 %	Breakdown torque : 250 %	Insulation class : B
Service factor : 1.25	Moment of inertia (J) : 0.0297 sq.ft.lb	Locked rotor time : 10s (cold) 6s (hot)	Temperature rise : 70 K	Duty cycle : Cont.(S1)
		Ambient temperature : -20°C to +50°C	Altitude : 1000 m.a.s.l.	Protection degree : IP21
		Cooling method : IC01 - ODP	Mounting : F-1	Rotation ¹ : CCW
		Noise level ² : 58.0 dB(A)	Starting method : Direct On Line	Approx. weight ³ : 24.6 lb
Output	25%	50%	75%	100%
Efficiency (%)	58.3	61.0	67.0	70.1
Power Factor	0.32	0.56	0.67	0.74
Foundation loads				
Max. traction				
Max. compression				
Bearing type :	<u>Drive end</u> 6203 2RS		<u>Non drive end</u> 6203 2RS	
Sealing :	Lip Seal		Lip Seal	
Lubrication interval :	-		-	
Lubricant amount :	-		-	
Lubricant type :	Mobil Polyrex EM			
Notes				
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.	
Rev.	Changes Summary		Performed	Checked
Performed by			Page	Revision
Checked by				
Date	11/10/2023			
			1 / 1	