

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Single-Phase Start Capacitor		Product code :	10230084	
				Catalog # :	PCQ110	
Frame	: K48Y			Locked rotor time	: 10s (cold) 6s (hot)	
Output	: 1 HP (0.75 kW)			Temperature rise	: 70 K	
Poles	: 2			Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz			Ambient temperature	: -20°C to +50°C	
Rated voltage	: 115/230 V			Altitude	: 1000 m.a.s.l.	
Rated current	: 12.5/6.25 A			Protection degree	: IP21	
L. R. Amperes	: 71.2/35.6 A			Cooling method	: IC01 - ODP	
LRC	: 5.7x(Code K)			Mounting	: F-1	
No load current	: 8.30/4.15 A			Rotation <sup>1</sup>	: CCW	
Rated speed	: 3470 rpm			Noise level <sup>2</sup>	: 58.0 dB(A)	
Slip	: 3.61 %			Starting method	: Direct On Line	
Rated torque	: 0.209 kgfm			Approx. weight <sup>3</sup>	: 11.4 kg	
Locked rotor torque	: 140 %					
Breakdown torque	: 250 %					
Insulation class	: B					
Service factor	: 1.25					
Moment of inertia (J)	: 0.0013 kgm <sup>2</sup>					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	58.3	61.0	67.0	70.1	Max. traction	
Power Factor	0.32	0.56	0.67	0.74	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	Date
Performed by						
Checked by					Page	Revision
Date	28/06/2022				1 / 1	