

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: General Single-Phase		Product code : 10022074	
Frame	: B56	Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K		
Poles	: 4	Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C		
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.		
Rated current	: 7.44/3.60-3.72 A	Protection degree	: IP55		
L. R. Amperes	: 43.2/20.9-21.6 A	Cooling method	: IC411 - TEFC		
LRC	: 5.8x(Code L)	Mounting	: F-1		
No load current	: 6.00/2.59-3.00 A	Rotation <sup>1</sup>	: Both (CW and CCW)		
Rated speed	: 1750 rpm	Noise level <sup>2</sup>	: 55.0 dB(A)		
Slip	: 2.78 %	Starting method	: Direct On Line		
Rated torque	: 0.207 kgfm	Approx. weight <sup>3</sup>	: 11.1 kg		
Locked rotor torque	: 290 %				
Breakdown torque	: 270 %				
Insulation class	: B				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0034 kgm <sup>2</sup>				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	56.0	64.0	66.5	Max. traction : 12 kgf	
Power Factor	0.46	0.57	0.65	Max. compression : 23 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6203 ZZ		6202 ZZ	
Sealing	:	V'Ring		V'Ring	
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.		
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# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

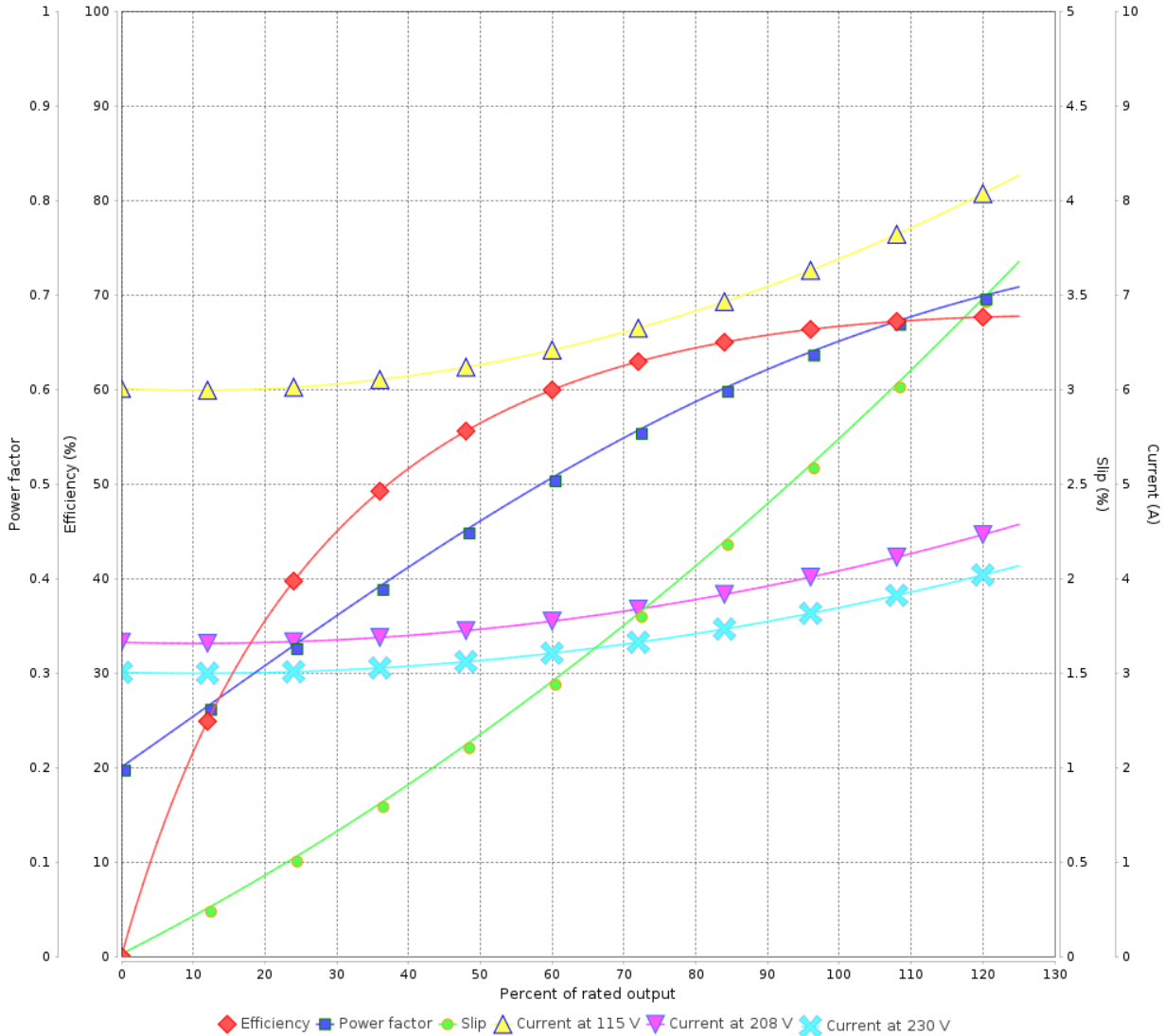


Customer :

Product line : General Single-Phase

Product code : 10022074

LOAD PERFORMANCE CURVE



Performance : 115/208-230 V 60 Hz 4P

Rated current : 7.44/3.60-3.72 A  
 LRC : 5.8  
 Rated torque : 0.207 kgfm  
 Locked rotor torque : 290 %  
 Breakdown torque : 270 %  
 Rated speed : 1750 rpm

Moment of inertia (J) : 0.0034 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : B  
 Service factor :  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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