

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Centrifugal Pump Single-Phase Start Capacitor		Product code :	10807251	
Frame	:	B56C		Locked rotor time	: 10s (cold) 6s (hot)	
Output	:	0.5 HP (0.37 kW)		Temperature rise	: 80 K	
Poles	:	2		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	:	7.60/3.80-3.80 A		Protection degree	: IP55	
L. R. Amperes	:	42.6/21.3-21.3 A		Cooling method	: IC411 - TEFC	
LRC	:	5.6x(Code L)		Mounting	: F-1	
No load current	:	5.60/2.41-2.80 A		Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	:	3480 rpm		Noise level <sup>2</sup>	: 55.0 dB(A)	
Slip	:	3.33 %		Starting method	: Direct On Line	
Rated torque	:	0.104 kgfm		Approx. weight <sup>3</sup>	: 11.3 kg	
Locked rotor torque	:	320 %				
Breakdown torque	:	280 %				
Insulation class	:	B				
Service factor	:	1.15				
Moment of inertia (J)	:	0.0013 kgm <sup>2</sup>				
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	41.2	45.0	52.0	58.0	Max. traction	: 3 kgf
Power Factor	0.33	0.56	0.66	0.73	Max. compression	: 15 kgf
			<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6203 2RS		6202 2RS		
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

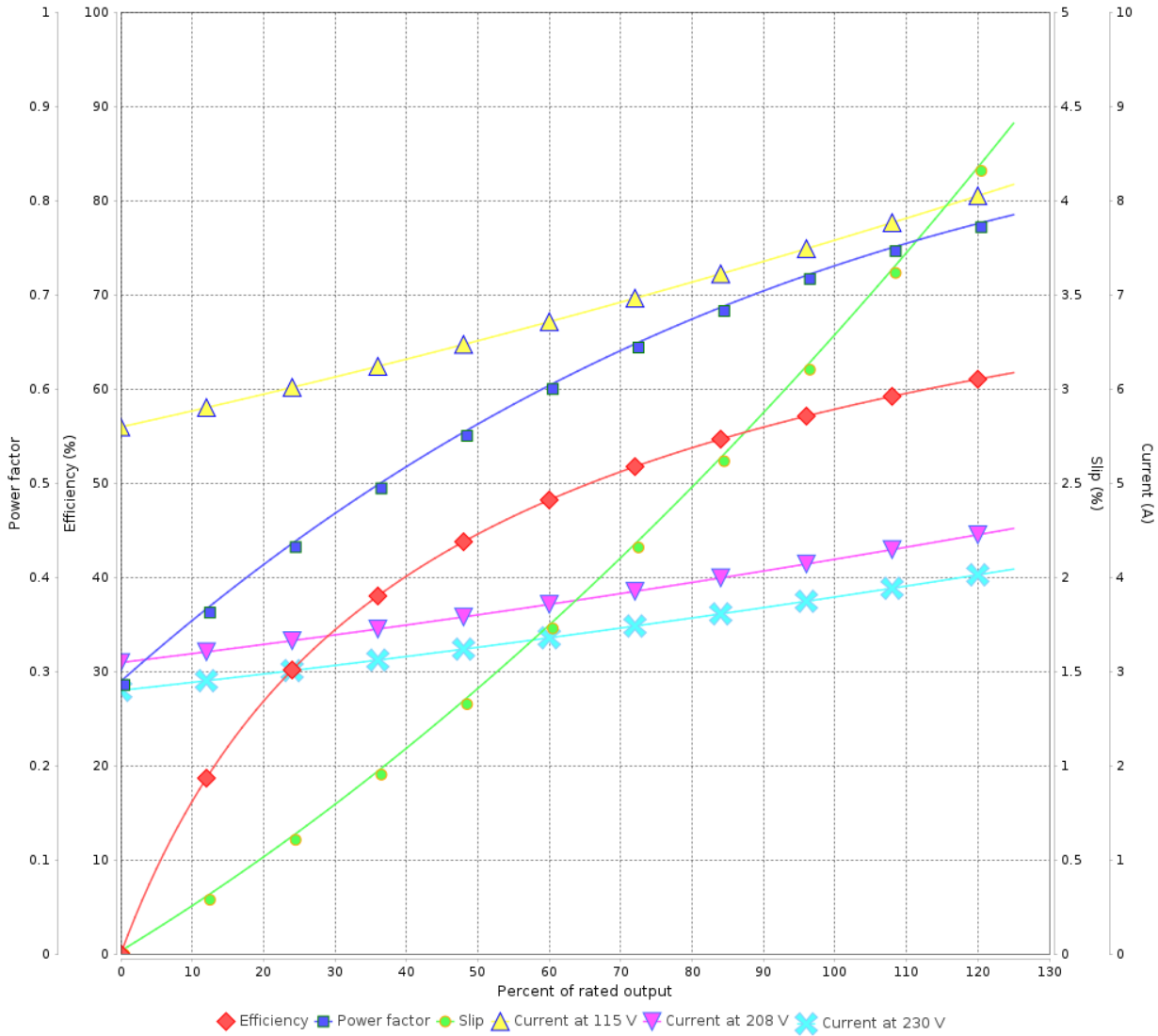


Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor

Product code : 10807251

LOAD PERFORMANCE CURVE



Performance : 115/208-230 V 60 Hz 2P

Rated current : 7.60/3.80-3.80 A  
 LRC : 5.6  
 Rated torque : 0.104 kgfm  
 Locked rotor torque : 320 %  
 Breakdown torque : 280 %  
 Rated speed : 3480 rpm

Moment of inertia (J) : 0.0013 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : B  
 Service factor :  
 Temperature rise : 80 K

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