

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Centrifugal Pump Single-Phase Start Capacitor		Product code :	10749078	
Frame	:	B56J		Locked rotor time	: 10s (cold) 6s (hot)	
Output	:	0.75 HP (0.55 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	:	10.4/5.00-5.20 A		Protection degree	: IP55	
L. R. Amperes	:	65.5/31.5-32.8 A		Cooling method	: IC411 - TEFC	
LRC	:	6.3x(Code M)		Mounting	: F-1	
No load current	:	7.60/3.28-3.80 A		Rotation <sup>1</sup>	: CCW	
Rated speed	:	3490 rpm		Noise level <sup>2</sup>	: 55.0 dB(A)	
Slip	:	3.06 %		Starting method	: Direct On Line	
Rated torque	:	0.156 kgfm		Approx. weight <sup>3</sup>	: 12.7 kg	
Locked rotor torque	:	300 %				
Breakdown torque	:	290 %				
Insulation class	:	B				
Service factor	:	1.15				
Moment of inertia (J)	:	0.0017 kgm <sup>2</sup>				
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	49.0	52.0	60.0	64.0	Max. traction	: 8 kgf
Power Factor	0.31	0.54	0.64	0.72	Max. compression	: 20 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

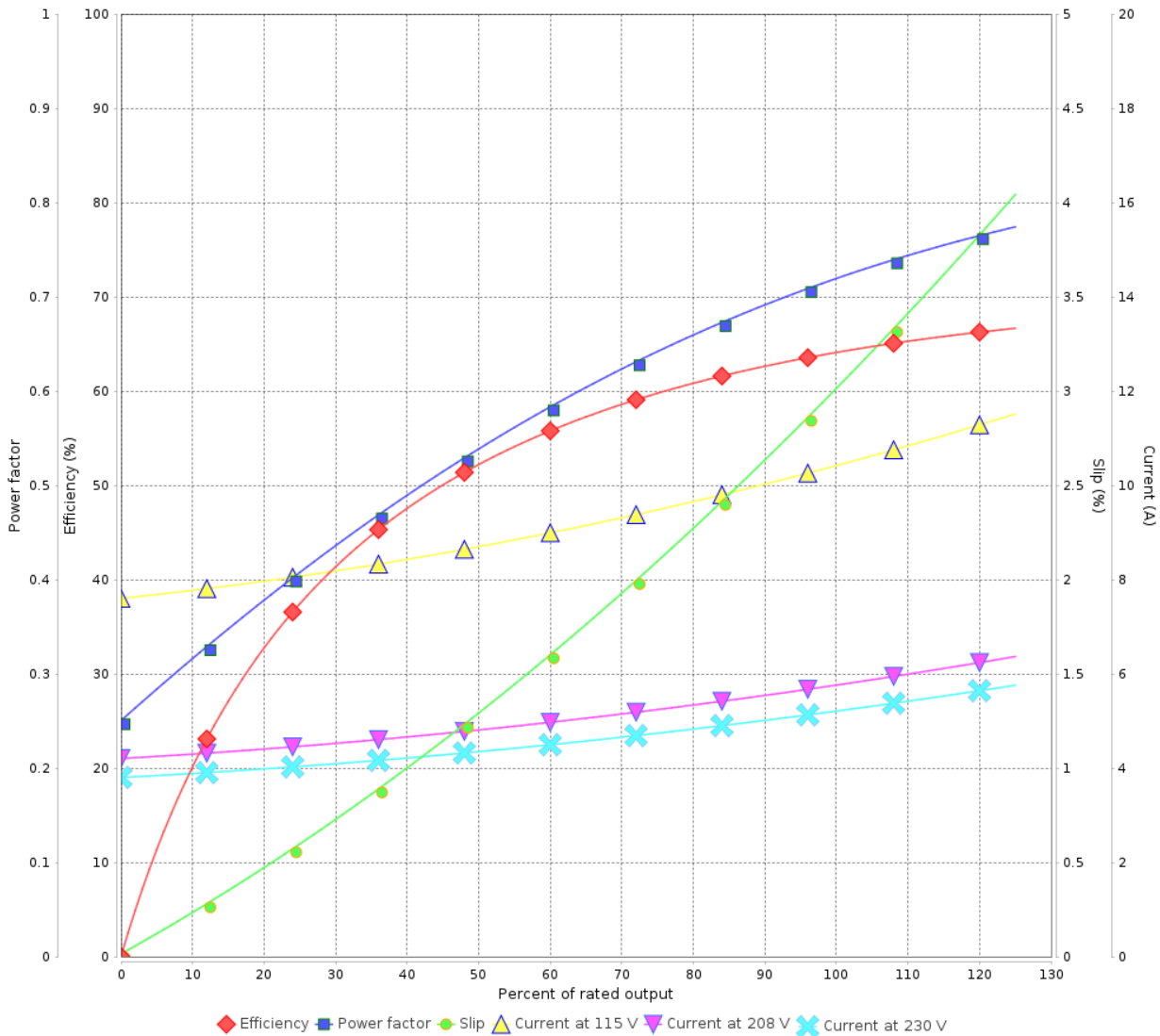


Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor

Product code : 10749078

LOAD PERFORMANCE CURVE



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

Rated current : 10.4/5.00-5.20 A  
 LRC : 6.3  
 Rated torque : 0.156 kgfm  
 Locked rotor torque : 300 %  
 Breakdown torque : 290 %  
 Rated speed : 3490 rpm

Moment of inertia (J) : 0.0017 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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