

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Centrifugal Pump Single-Phase Start Capacitor		Product code : 10650882		
Frame	:	D56C		Locked rotor time	: 10s (cold) 6s (hot)	
Output	:	1 HP (0.75 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	:	12.8/6.40-6.40 A		Protection degree	: IP55	
L. R. Amperes	:	89.6/44.8-44.8 A		Cooling method	: IC411 - TEFC	
LRC	:	7.0x(Code M)		Mounting	: F-1	
No load current	:	9.00/3.88-4.50 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	:	3500 rpm		Starting method	: Direct On Line	
Slip	:	2.78 %		Approx. weight ³	: 15.0 kg	
Rated torque	:	0.207 kgfm				
Locked rotor torque	:	320 %				
Breakdown torque	:	280 %				
Insulation class	:	B				
Service factor	:	1.15				
Moment of inertia (J)	:	0.0022 kgm ²				
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	55.0	63.0	67.0	Max. traction	: 11 kgf	
Power Factor	0.56	0.67	0.75	Max. compression	: 26 kgf	
Bearing type	:	<u>Drive end</u>		<u>Non drive end</u>		
Sealing	:	6204 2RS		6202 2RS		
Lubrication interval	:	V'Ring		V'Ring		
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	14/01/2024				1 / 2	

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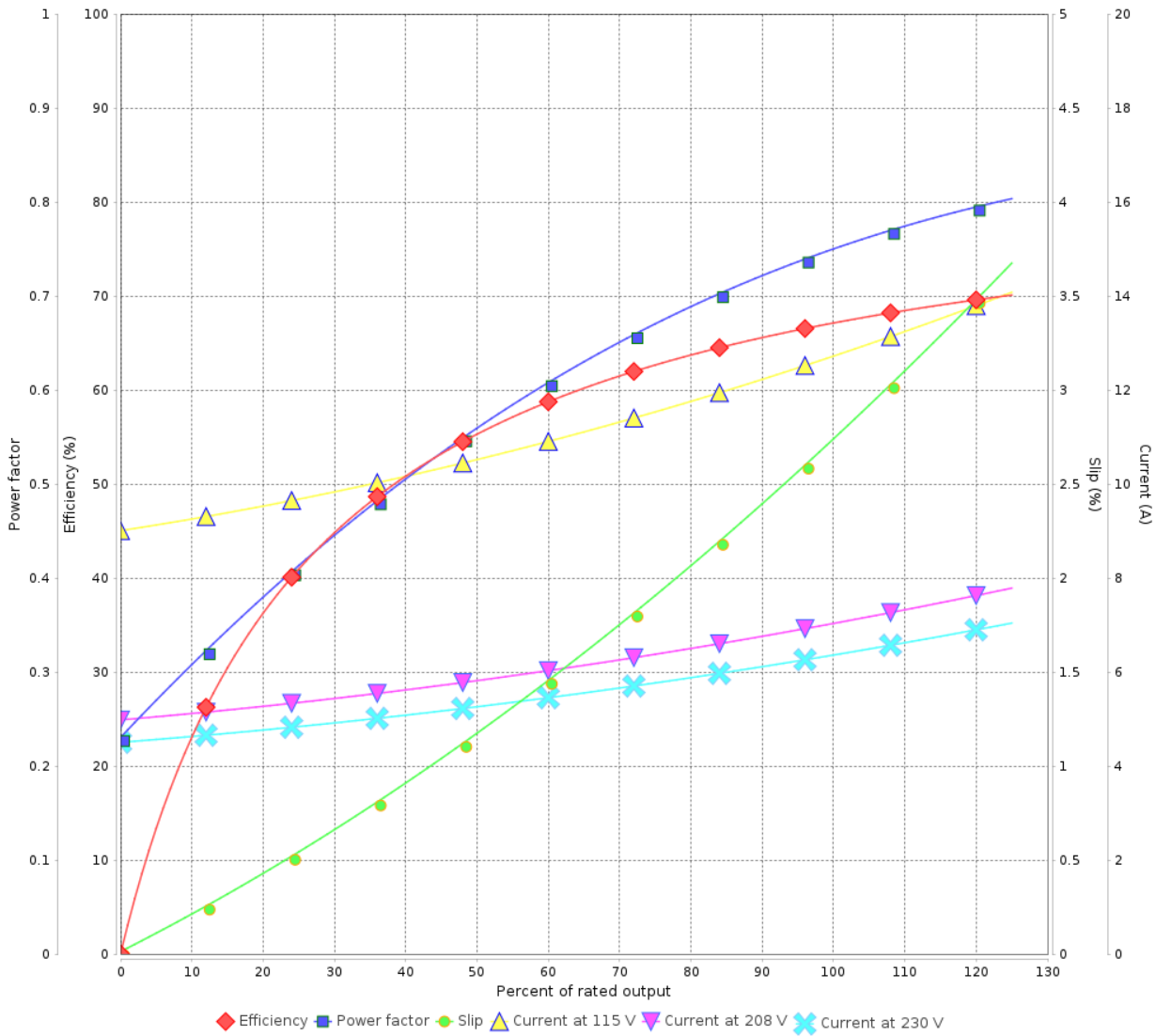


Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor

Product code : 10650882

LOAD PERFORMANCE CURVE



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

Rated current : 12.8/6.40-6.40 A
 LRC : 7.0
 Rated torque : 0.207 kgfm
 Locked rotor torque : 320 %
 Breakdown torque : 280 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0022 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
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