

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Centrifugal Pump Single-Phase Start Capacitor			Product code : 10504701		
Frame	: D56J			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	: 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	25%	50%	75%	100%	Foundation loads
Efficiency (%)	51.9	55.0	63.0	67.0	Max. traction : 11 kgf
Power Factor	0.33	0.56	0.67	0.75	Max. compression : 26 kgf
			<u>Drive end</u>		<u>Non drive end</u>
Bearing type	:		6204 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.		
Rev.	Changes Summary			Performed	Checked
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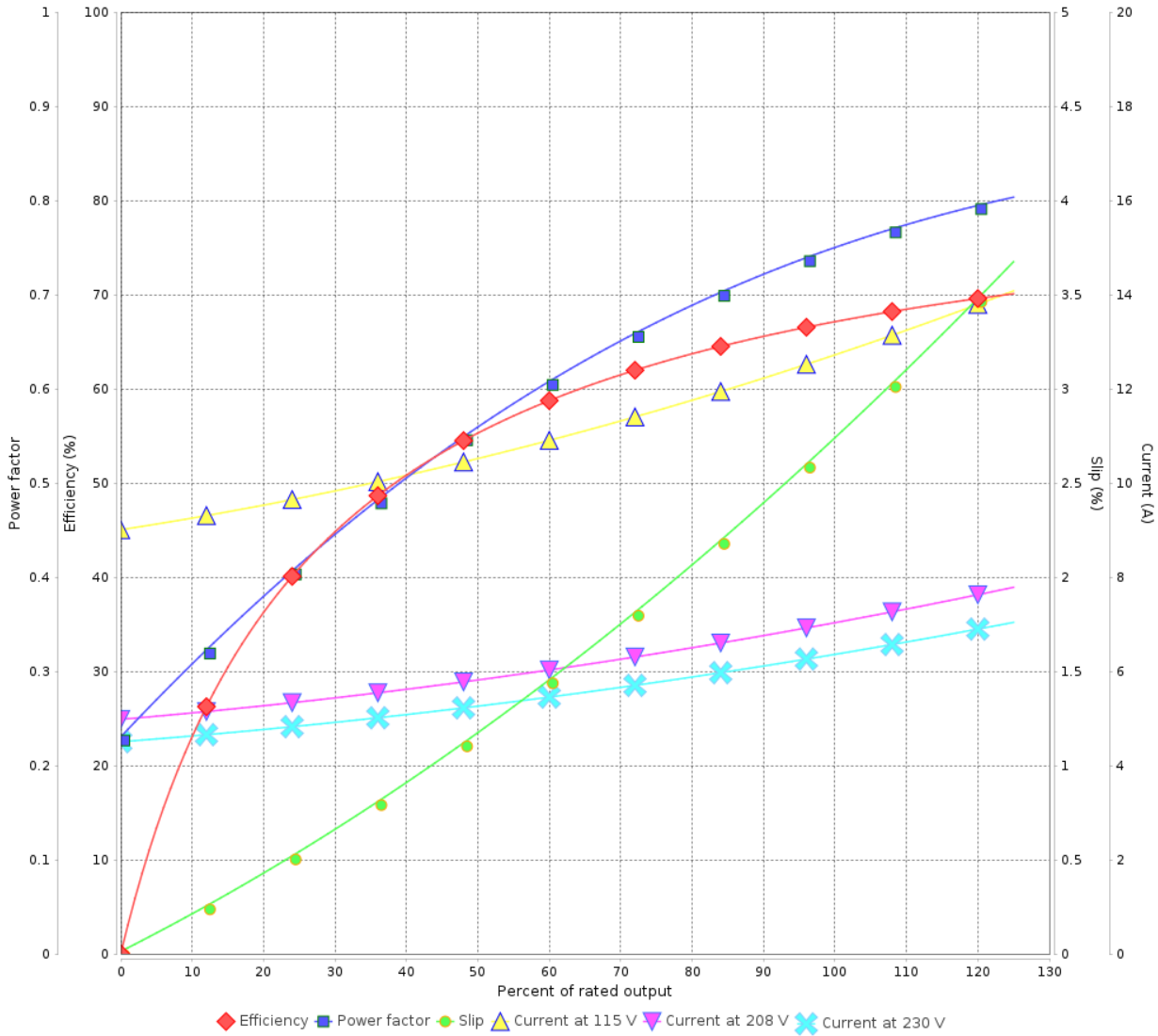


Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor

Product code : 10504701

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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
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