

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Single-Phase	Product code	: 14459512		
Frame	: 56	Cooling method	: IC01 - ODP		
Insulation class	: F	Mounting	: F-1		
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 18.3 kg		
Design	: L	Moment of inertia (J)	: 0.0052 kgm ²		
Output [HP]	1				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	115/208-230				
Rated current [A]	9.00/4.98-4.50				
L. R. Amperes [A]	75.6/41.8-37.8				
LRC [A]	8.4x(Code K)				
No load current [A]	3.40/1.47-1.70				
Rated speed [RPM]	1750				
Slip [%]	2.78				
Rated torque [kgfm]	0.415				
Locked rotor torque [%]	260				
Breakdown torque [%]	250				
Service factor					
Temperature rise	80 K				
Locked rotor time	27s (cold) 15s (hot)				
Noise level ²	52.0 dB(A)				
Efficiency (%)	25%				
	50%	75.0			
	75%	80.0			
	100%	82.6			
Power Factor	25%				
	50%	0.75			
	75%	0.83			
	100%	0.87			
Bearing type	: Drive end	6204 ZZ	Non drive end	6202 ZZ	
Sealing	: Without		Without		
		Bearing Seal	Bearing Seal		
Lubrication interval	: -		-		
Lubricant amount	: -		-		
Lubricant type	: Mobil Polyrex EM				
Foundation loads					
Max. traction				: 24 kgf	
Max. compression				: 42 kgf	
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
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LOAD PERFORMANCE CURVE

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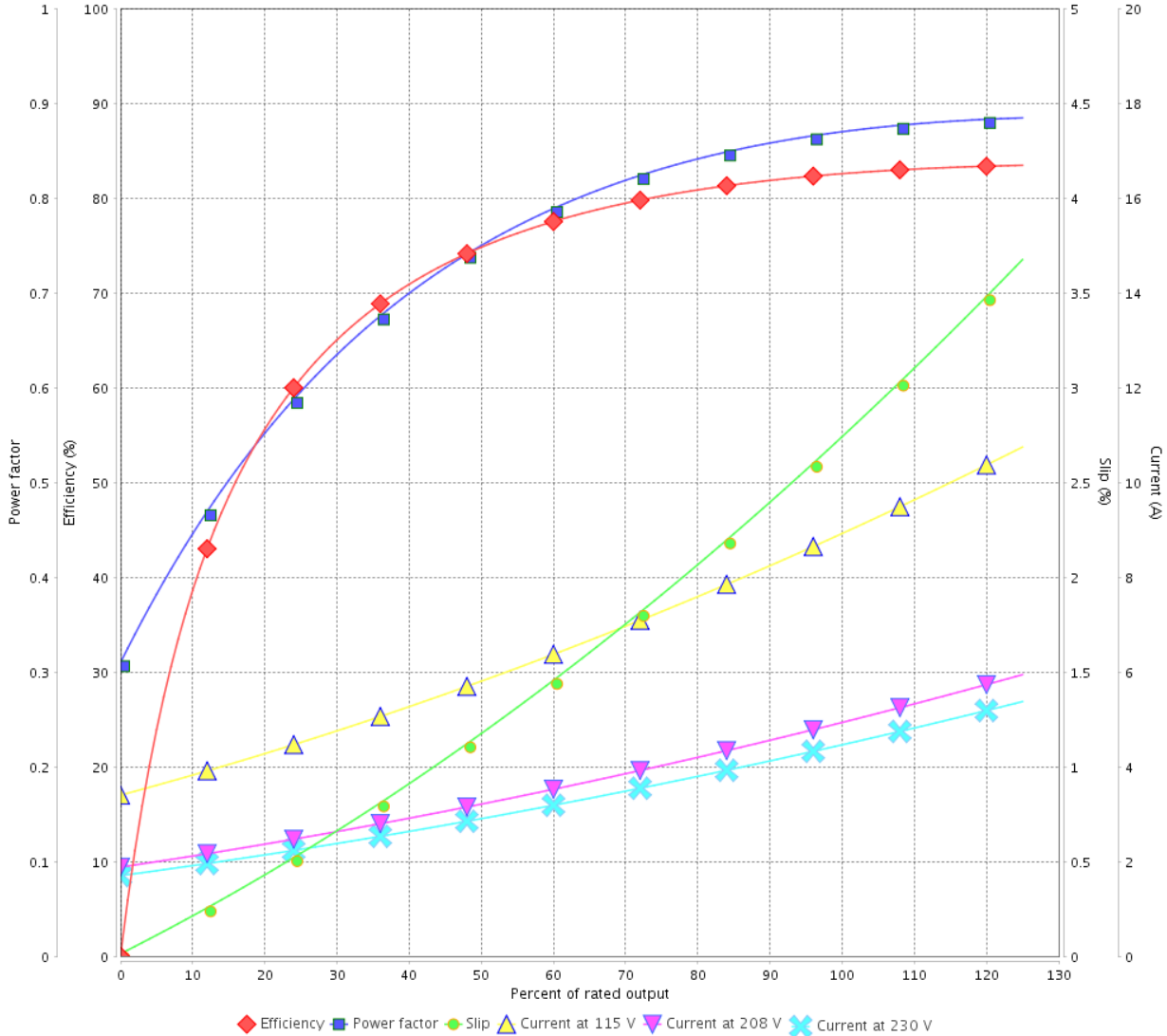


Customer :

Product line : Single-Phase

Product code : 14459512

LOAD PERFORMANCE CURVE



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

Rated current : 9.00/4.98-4.50 A
 LRC : 8.4
 Rated torque : 0.415 kgfm
 Locked rotor torque : 260 %
 Breakdown torque : 250 %
 Rated speed : 1750 rpm

Moment of inertia (J) : 0.0052 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

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

