

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Single-Phase	Product code : 13624378		
Frame	: W56	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 ² : 10.4 kg		
Design	: N	Moment of inertia (J) : 0.0022 kgm ²		
Output [HP]		0.5		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		4.86/3.04-2.43		
L. R. Amperes [A]		37.4/23.4-18.7		
LRC [A]		7.7x(Code K)		
No load current [A]		2.70/1.16-1.35		
Rated speed [RPM]		1730		
Slip [%]		3.89		
Rated torque [kgfm]		0.210		
Locked rotor torque [%]		300		
Breakdown torque [%]		270		
Service factor				
Temperature rise		80 K		
Locked rotor time		27s (cold) 15s (hot)		
Noise level ²		50.0 dB(A)		
Efficiency (%)	25%			
	50%	65.0		
	75%	73.0		
	100%	76.2		
Power Factor	25%			
	50%	0.72		
	75%	0.81		
	100%	0.87		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction : 12 kgf Max. compression : 23 kgf		
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(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.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
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LOAD PERFORMANCE CURVE

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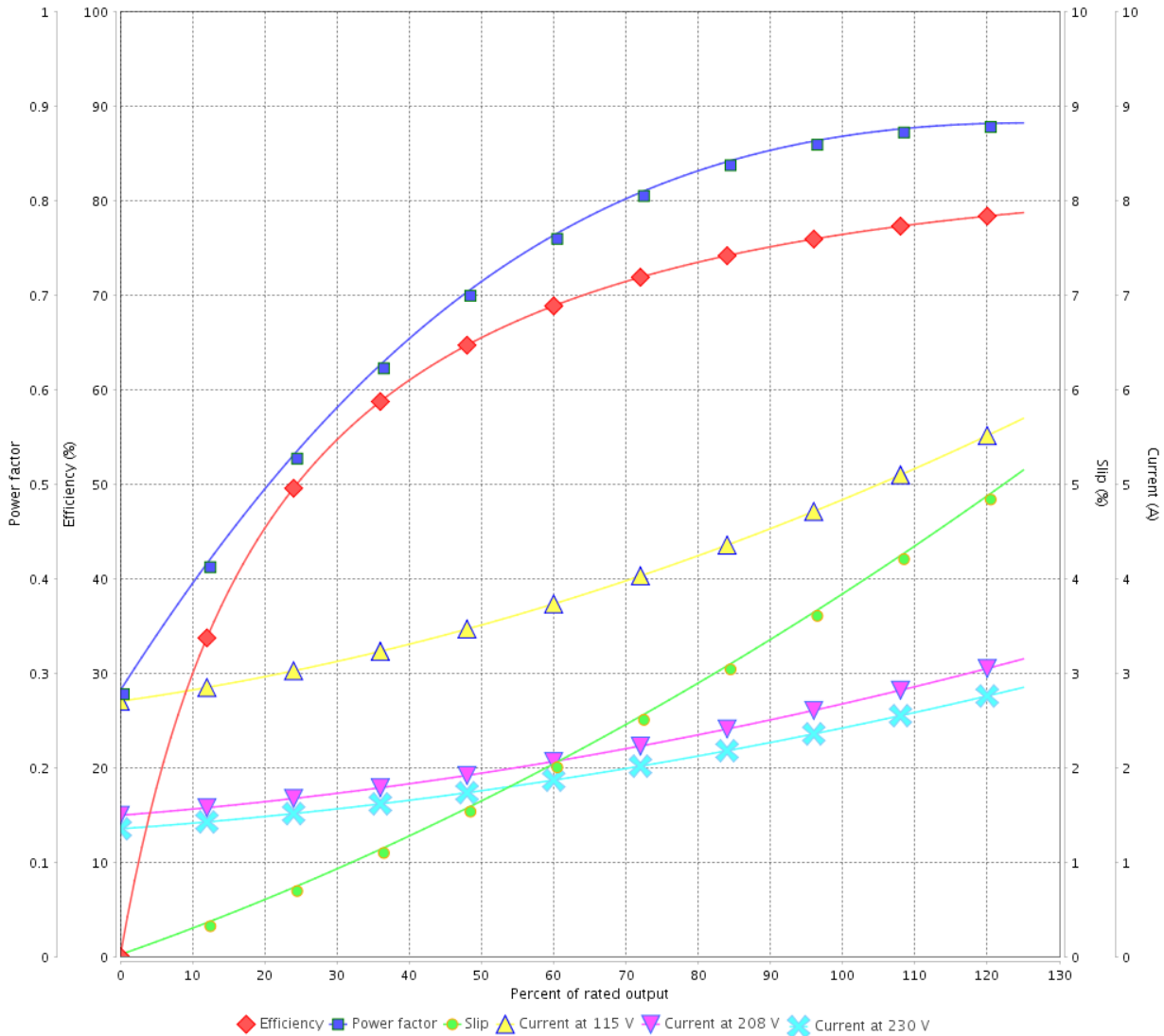


Customer :

Product line : Single-Phase

Product code : 13624378

LOAD PERFORMANCE CURVE



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

Rated current : 4.86/3.04-2.43 A
 LRC : 7.7
 Rated torque : 0.210 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 270 %
 Rated speed : 1730 rpm

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

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