

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 ³	: 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	: Drive end	Non drive end	Foundation loads		
Sealing	: Without	Without	Max. traction	: 12 kgf	
	Bearing Seal	Bearing Seal	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.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(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

Single Phase Induction Motor - Squirrel Cage

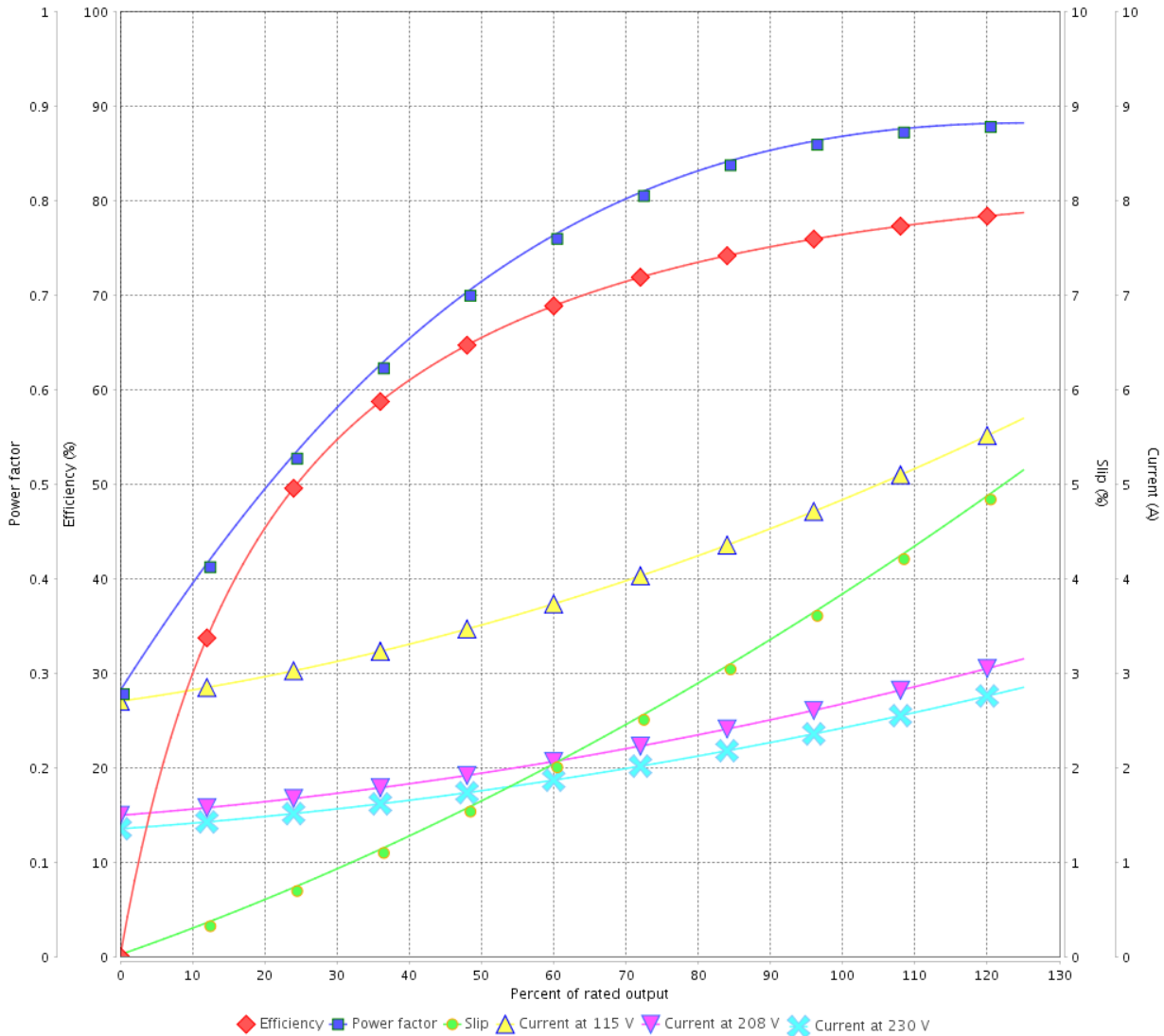


Customer :

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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