

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Single-Phase		Product code : 13608360		
Frame : W56C Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : N		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 10.0 kg Moment of inertia (J) : 0.0010 kgm ²		
Output [HP]		0.5		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		7.00/3.87-3.50		
L. R. Amperes [A]		56.0/31.0-28.0		
LRC [A]		8.0x(Code P)		
No load current [A]		4.80/2.07-2.40		
Rated speed [RPM]		3500		
Slip [%]		2.78		
Rated torque [kgfm]		0.104		
Locked rotor torque [%]		290		
Breakdown torque [%]		300		
Service factor				
Temperature rise		80 K		
Locked rotor time		12s (cold) 7s (hot)		
Noise level ²		66.0 dB(A)		
Efficiency (%)	25%	48.1		
	50%	50.0		
	75%	58.0		
	100%	60.0		
Power Factor	25%	0.34		
	50%	0.59		
	75%	0.69		
	100%	0.76		
Bearing type : Drive end 6203 ZZ Non drive end 6202 ZZ Sealing : V'Ring Without Bearing Seal Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 5 kgf Max. compression : 15 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
Performed by				
Checked by				
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LOAD PERFORMANCE CURVE

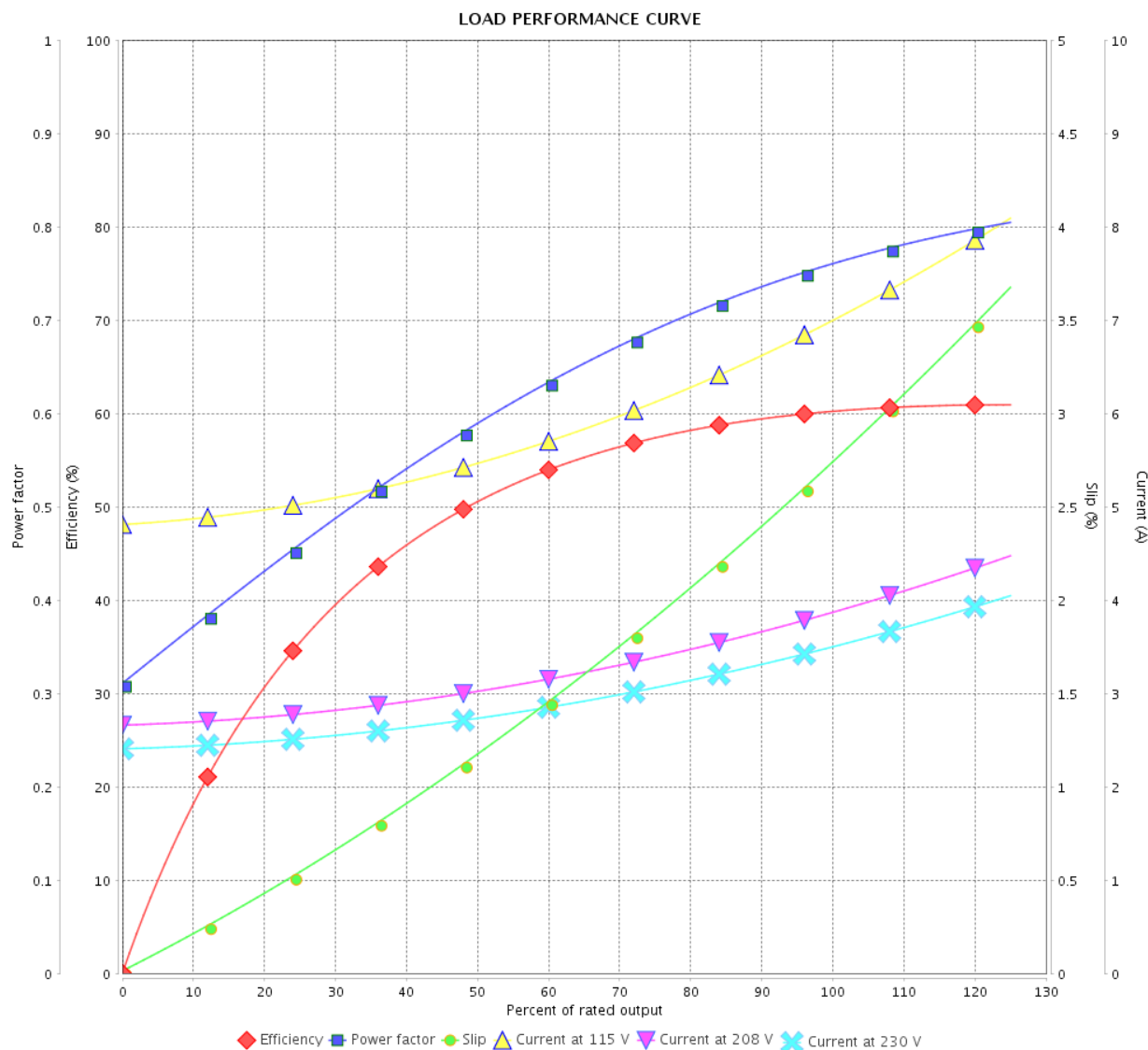
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Product code : 13608360



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

Rated current : 7.00/3.87-3.50 A
 LRC : 8.0
 Rated torque : 0.104 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 300 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0010 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

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