

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line : Rolled Steel Single-Phase			Product code : 13621385			
Frame : W56C Output : 0.5 HP (0.37 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 7.00/3.87-3.50 A L. R. Amperes : 56.0/31.0-28.0 A LRC : 8.0x(Code P) No load current : 4.80/2.07-2.40 A Rated speed : 3500 rpm Slip : 2.78 % Rated torque : 0.104 kgfm Locked rotor torque : 290 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0010 kgm ² Design : N			Locked rotor time : 12s (cold) 7s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 66.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 9.1 kg			
Output 25% 50% 75% 100% Efficiency (%) 48.1 50.0 58.0 60.0 Power Factor 0.34 0.59 0.69 0.76			Foundation loads Max. traction : 5 kgf Max. compression : 14 kgf			
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		<u>Drive end</u> 6203 ZZ V'Ring - - Mobil Polyrex EM		<u>Non drive end</u> 6202 ZZ Without Bearing Seal - -		
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.			
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LOAD PERFORMANCE CURVE

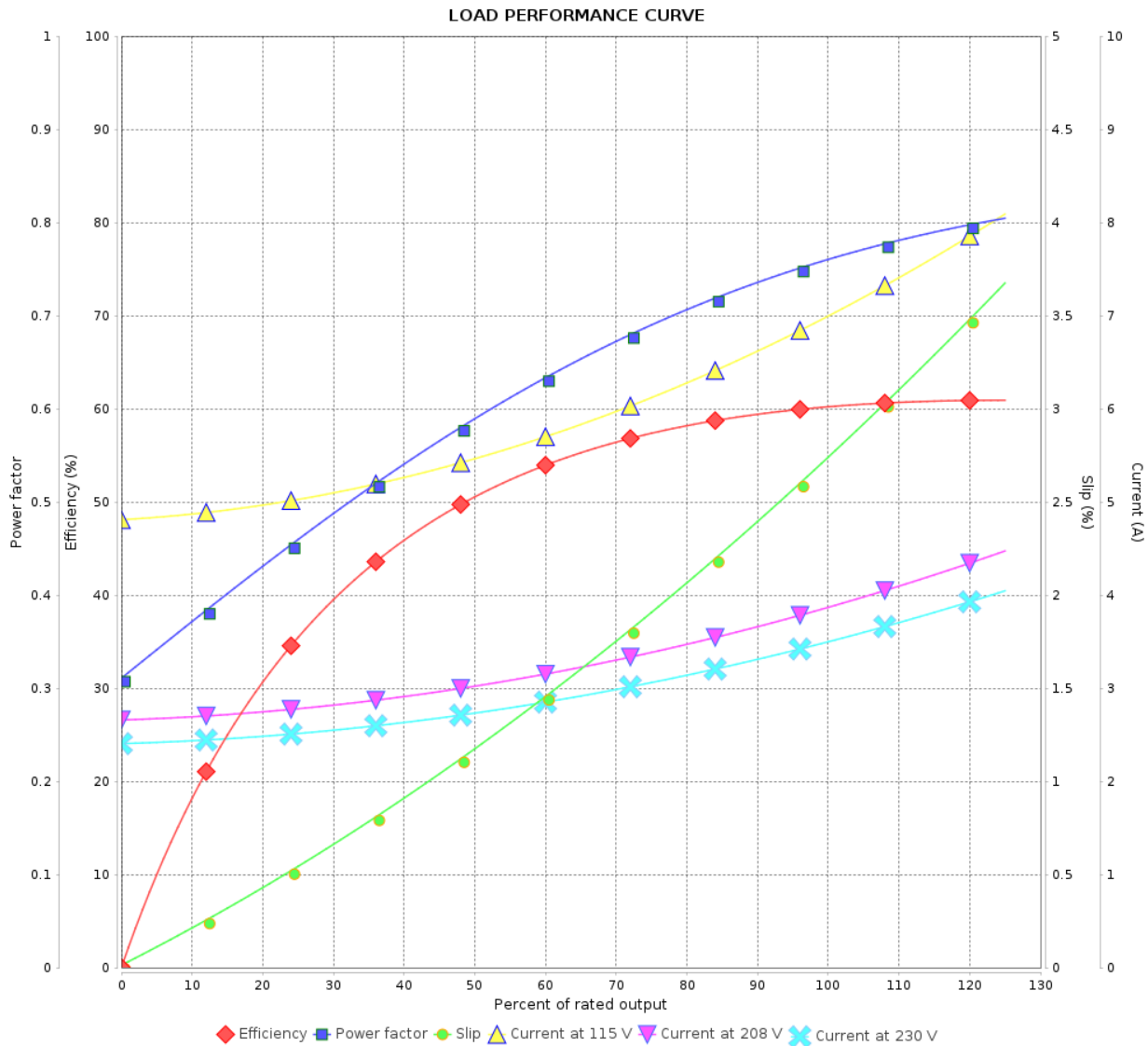
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 13621385



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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