

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Single-Phase		Product code : 13817228		
Frame : 56HC Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : L		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 18.7 kg Moment of inertia (J) : 0.0030 kgm²		
Output [HP]		2		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		17.5/9.62-8.73		
L. R. Amperes [A]		136/75.0-68.1		
LRC [A]		7.8x(Code J)		
No load current [A]		5.00/2.16-2.50		
Rated speed [RPM]		3495		
Slip [%]		2.92		
Rated torque [kgfm]		0.415		
Locked rotor torque [%]		220		
Breakdown torque [%]		250		
Service factor				
Temperature rise		80 K		
Locked rotor time		10s (cold) 6s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%			
	50%	70.0		
	75%	75.0		
	100%	77.0		
Power Factor	25%			
	50%	0.94		
	75%	0.97		
	100%	0.97		
Bearing type : Drive end 6204 ZZ Non drive end 6202 ZZ Sealing : V'Ring V'Ring Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 23 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.		
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LOAD PERFORMANCE CURVE

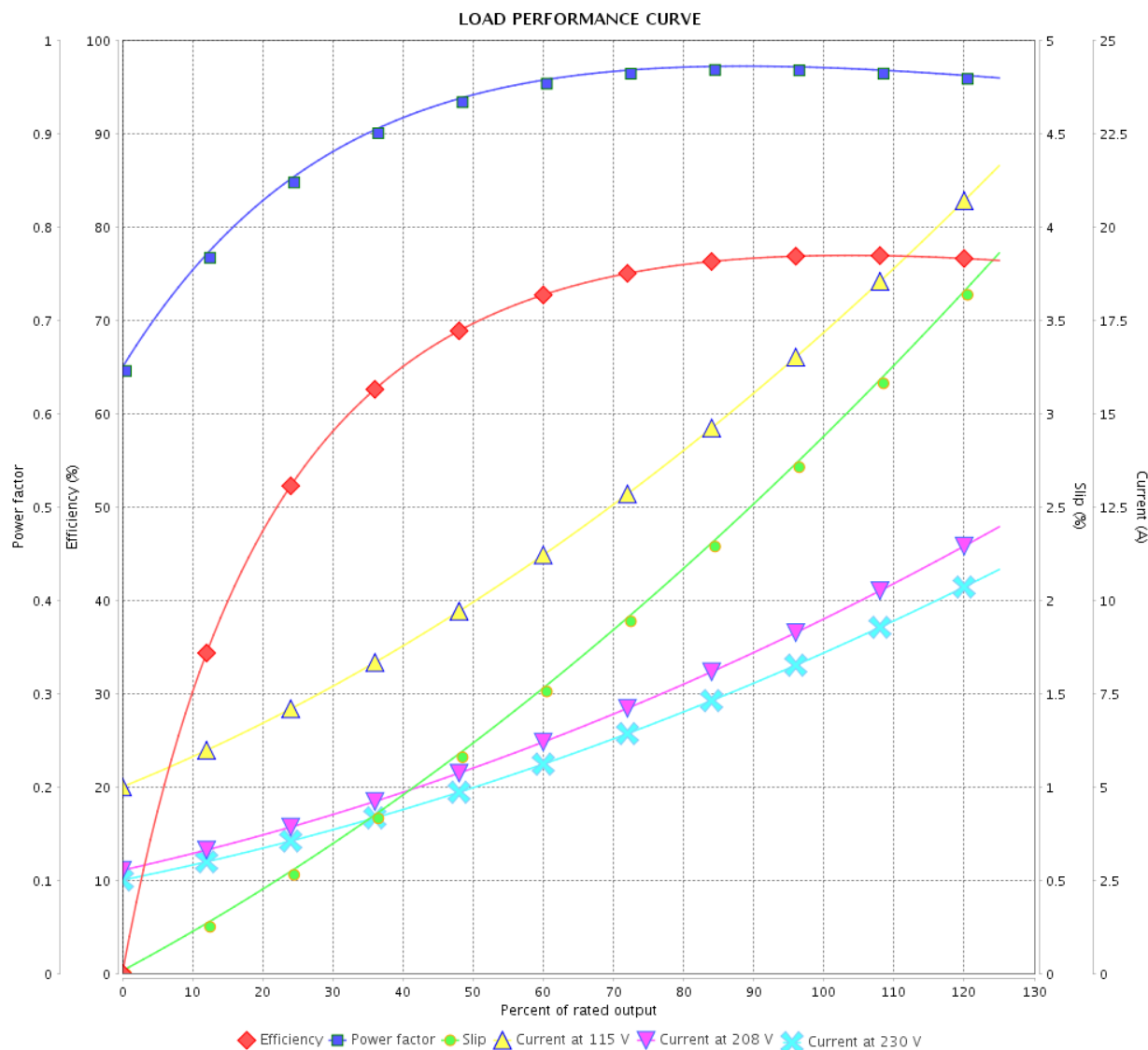
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 13817228



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

Rated current : 17.5/9.62-8.73 A
 LRC : 7.8
 Rated torque : 0.415 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 250 %
 Rated speed : 3495 rpm

Moment of inertia (J) : 0.0030 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

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