

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Single-Phase	Product code :	14371249	
Frame	: 56C	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	: 11.8 kg	
Design	: N	Moment of inertia (J)	: 0.0018 kgm ²	
Output [HP]	0.75			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	6.80/3.76-3.40			
L. R. Amperes [A]	58.5/32.3-29.2			
LRC [A]	8.6x(Code K)			
No load current [A]	2.40/1.03-1.20			
Rated speed [RPM]	3510			
Slip [%]	2.50			
Rated torque [kgfm]	0.155			
Locked rotor torque [%]	300			
Breakdown torque [%]	300			
Service factor				
Temperature rise	80 K			
Locked rotor time	32s (cold) 18s (hot)			
Noise level ²	58.0 dB(A)			
Efficiency (%)	25%			
	50%	64.0		
	75%	71.0		
	100%	76.2		
Power Factor	25%			
	50%	0.88		
	75%	0.92		
	100%	0.93		
Bearing type	: <u>Drive end</u> 6203 ZZ	<u>Non drive end</u> 6202 ZZ	Foundation loads	
Sealing	: Without	Without	Max. traction : 9 kgf	
	Bearing Seal	Bearing Seal	Max. compression : 20 kgf	
Lubrication interval	: -	-		
Lubricant amount	: -	-		
Lubricant type	: Mobil Polyrex EM			
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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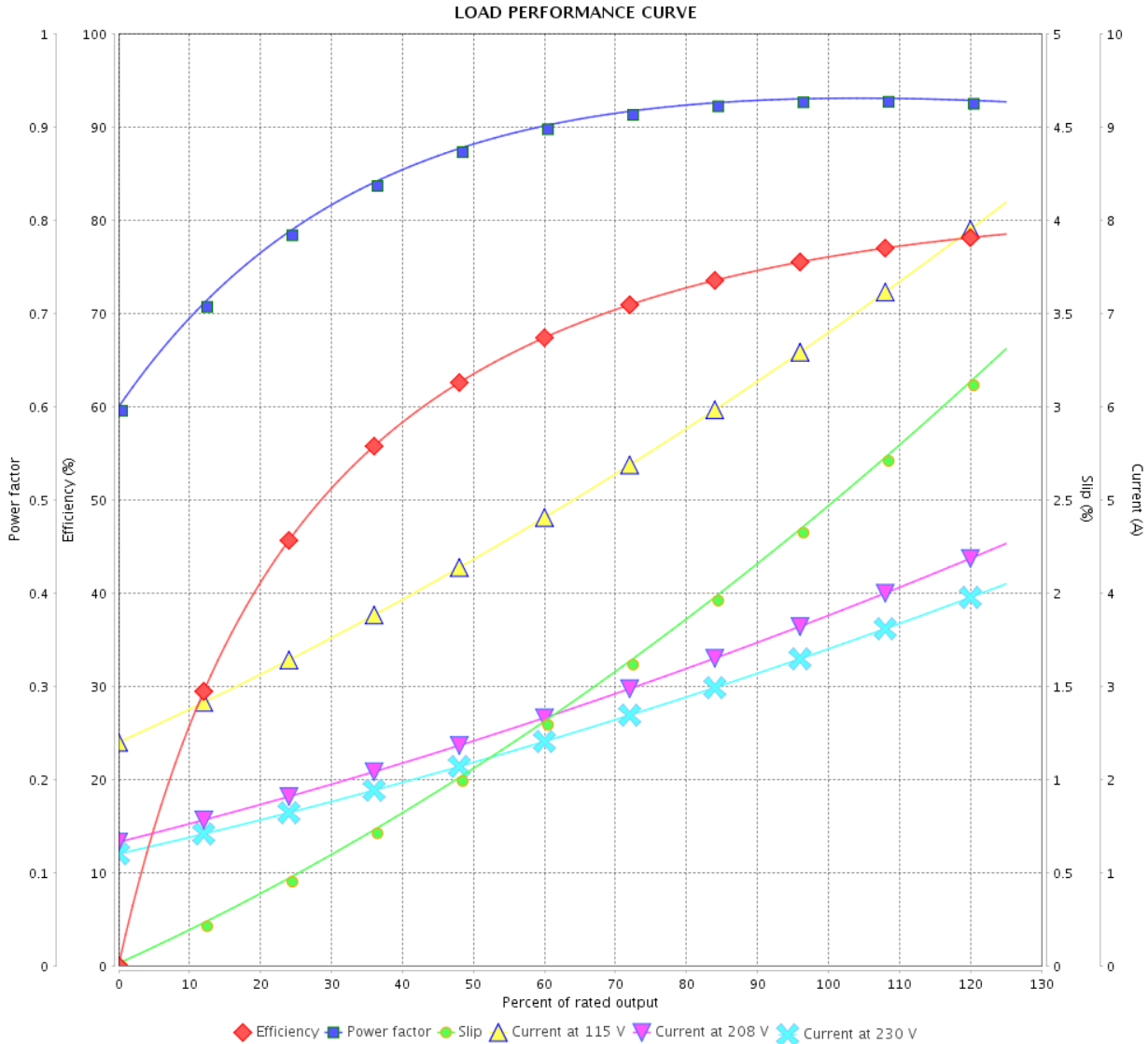
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 14371249



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

Rated current : 6.80/3.76-3.40 A
 LRC : 8.6
 Rated torque : 0.155 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 300 %
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.0018 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

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