

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Single-Phase		Product code : 13245415		
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 <sup>1</sup> : Both (CW and CCW) Starting method : Direct On Line Approx. weight <sup>3</sup> : 21.7 kg Moment of inertia (J) : 0.0060 kgm²		
Output [HP]		1.5		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		15.0/8.27-7.48		
L. R. Amperes [A]		120/66.2-59.8		
LRC [A]		8.0x(Code L)		
No load current [A]		7.80/3.36-3.90		
Rated speed [RPM]		1745		
Slip [%]		3.06		
Rated torque [kgfm]		0.624		
Locked rotor torque [%]		250		
Breakdown torque [%]		270		
Service factor				
Temperature rise		80 K		
Locked rotor time		14s (cold) 8s (hot)		
Noise level <sup>2</sup>		54.0 dB(A)		
Efficiency (%)	25%	67.0		
	50%	69.0		
	75%	75.0		
	100%	77.0		
Power Factor	25%	0.42		
	50%	0.68		
	75%	0.78		
	100%	0.83		
Bearing type : Drive end 6204 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 : 43 kgf Max. compression : 65 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
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# LOAD PERFORMANCE CURVE

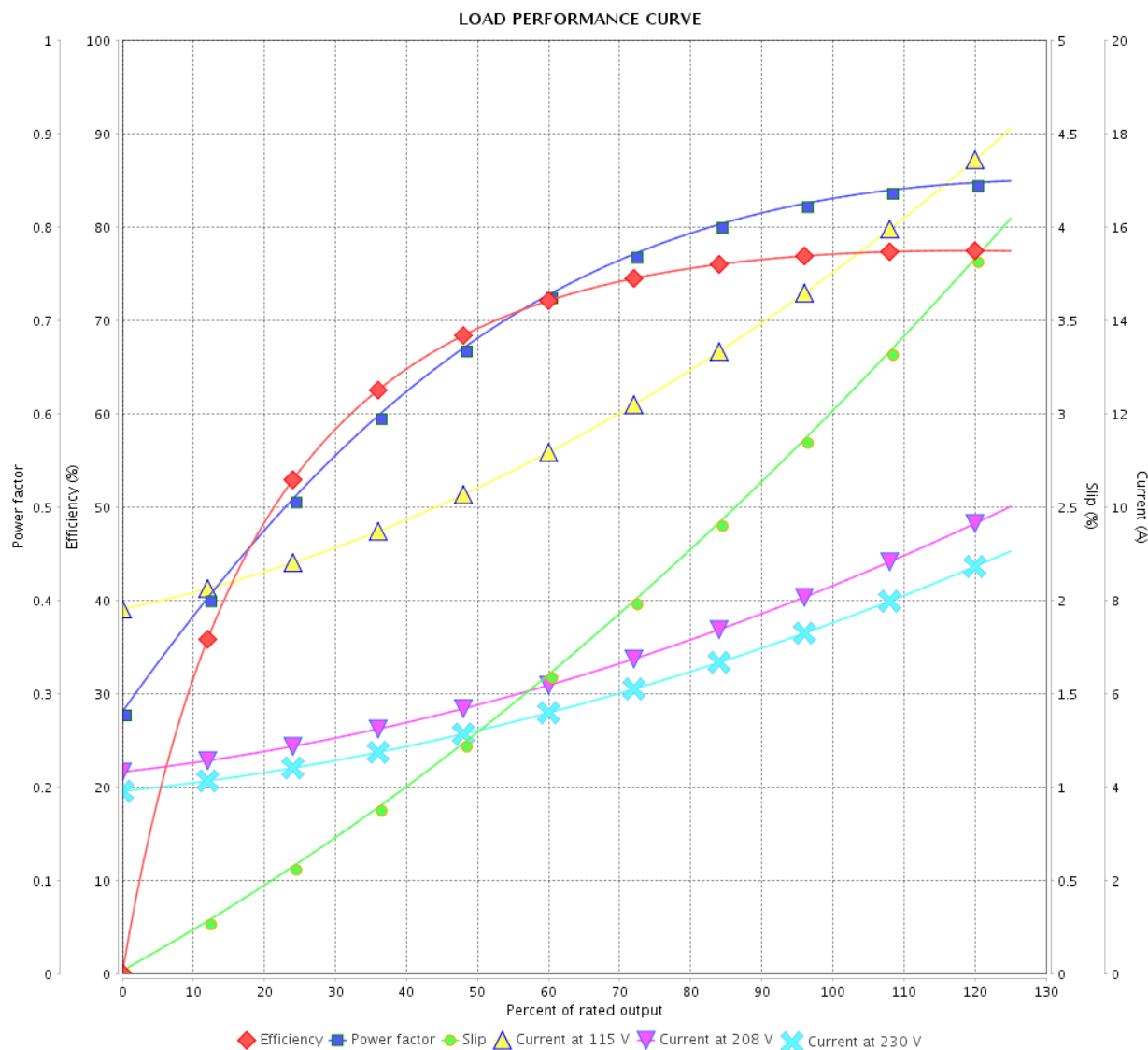
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 13245415



Performance : 115/208-230 V 60 Hz 4P

Rated current : 15.0/8.27-7.48 A  
 LRC : 8.0  
 Rated torque : 0.624 kgfm  
 Locked rotor torque : 250 %  
 Breakdown torque : 270 %  
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0060 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : L

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