

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Single-Phase	Product code : 13407753		
Frame	: 56C	Cooling method : IC411 - TEFC		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup> : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup> : 16.4 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0044 kgm <sup>2</sup>		
Design	: L			
Output [HP]		1		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		13.6/7.52-6.80		
L. R. Amperes [A]		91.1/50.4-45.6		
LRC [A]		6.7x(Code M)		
No load current [A]		9.60/4.14-4.80		
Rated speed [RPM]		1745		
Slip [%]		3.06		
Rated torque [kgfm]		0.416		
Locked rotor torque [%]		280		
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%			
	50%	62.0		
	75%	68.0		
	100%	71.0		
Power Factor	25%			
	50%	0.48		
	75%	0.60		
	100%	0.68		
Bearing type	: Drive end : 6204 ZZ Non drive end : 6202 ZZ	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 27 kgf		
Lubrication interval	: - -	Max. compression : 44 kgf		
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
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# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

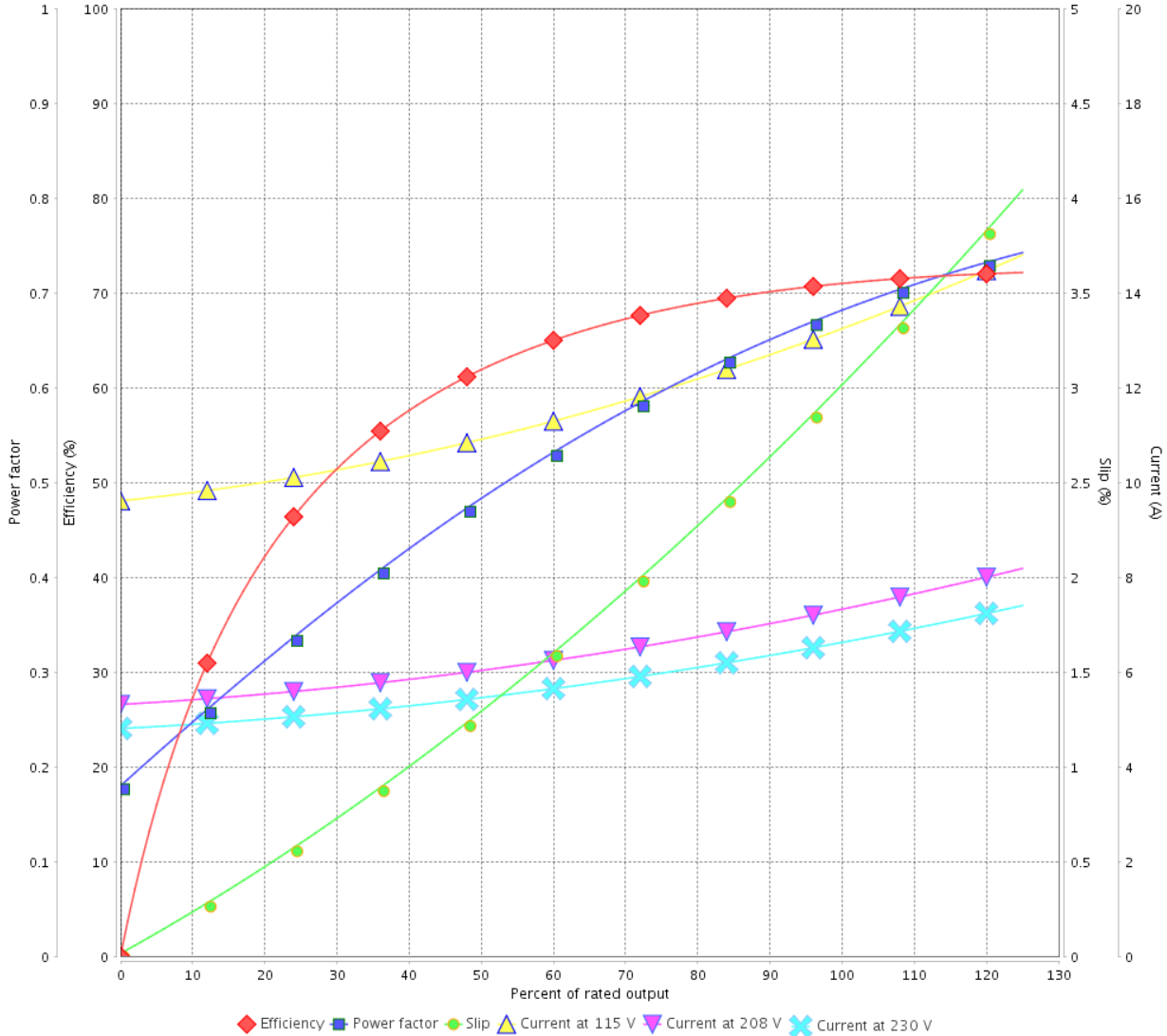


Customer :

Product line : Single-Phase

Product code : 13407753

LOAD PERFORMANCE CURVE



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

Rated current : 13.6/7.52-6.80 A  
 LRC : 6.7  
 Rated torque : 0.416 kgfm  
 Locked rotor torque : 280 %  
 Breakdown torque : 270 %  
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0044 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : L

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