

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Single-Phase	Product code : 14733578		
Frame	: 56H	Cooling method : IC01 - ODP		
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> : 21.8 kg		
Design	: L	Moment of inertia (J) : 0.0057 kgm <sup>2</sup>		
Output [HP]		1.5		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		13.0/7.52-6.49		
L. R. Amperes [A]		105/60.9-52.6		
LRC [A]		8.1x(Code K)		
No load current [A]		4.60/1.98-2.30		
Rated speed [RPM]		1740		
Slip [%]		3.33		
Rated torque [kgfm]		0.626		
Locked rotor torque [%]		320		
Breakdown torque [%]		229		
Service factor				
Temperature rise		80 K		
Locked rotor time		39s (cold) 22s (hot)		
Noise level <sup>2</sup>		52.0 dB(A)		
Efficiency (%)	25%			
	50%	80.5		
	75%	83.0		
	100%	83.8		
Power Factor	25%			
	50%	0.78		
	75%	0.85		
	100%	0.88		
Bearing type	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction : 35 kgf Max. compression : 57 kgf		
Lubrication interval	: - -			
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.                  (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.</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

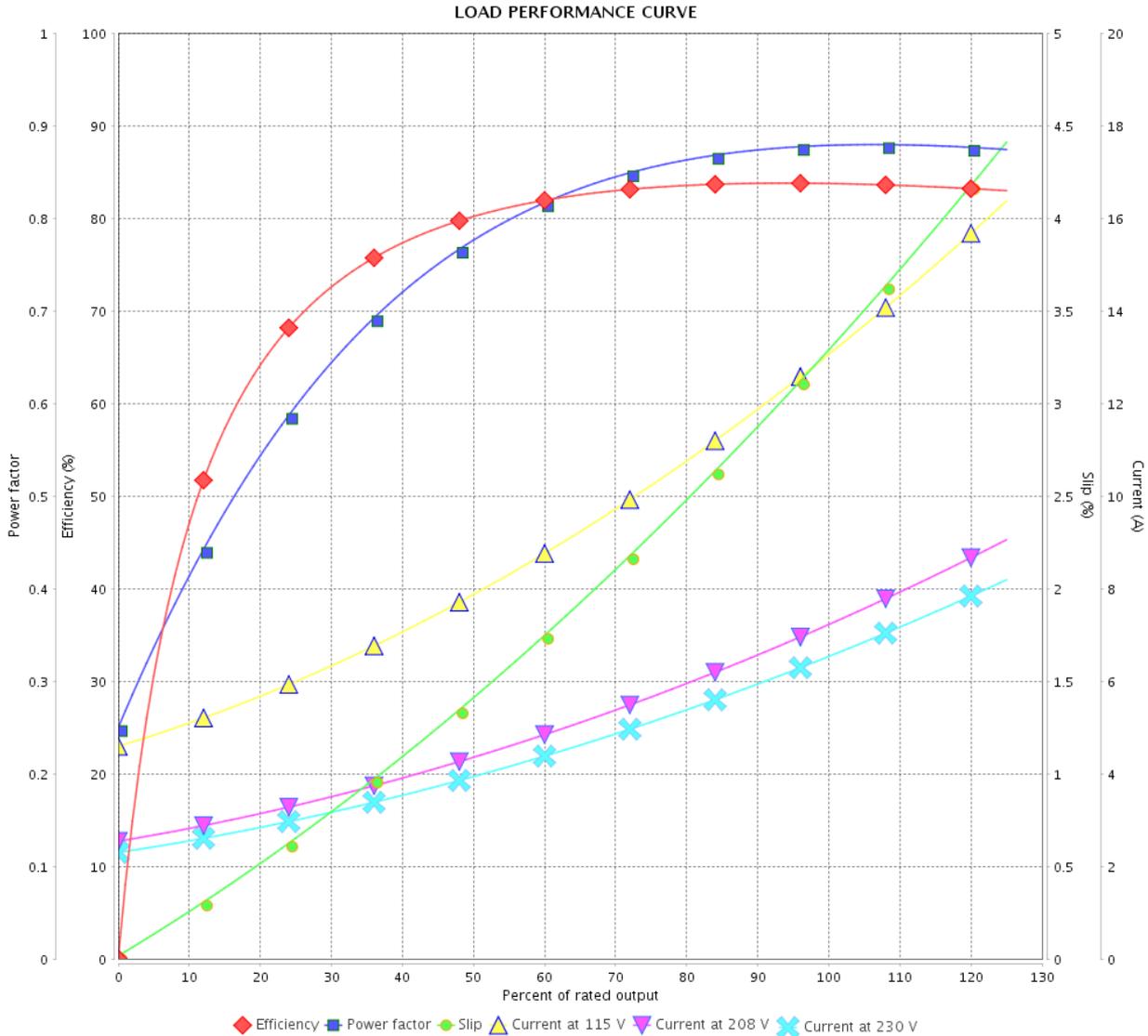
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 14733578



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

Rated current : 13.0/7.52-6.49 A  
 LRC : 8.1  
 Rated torque : 0.626 kgfm  
 Locked rotor torque : 320 %  
 Breakdown torque : 229 %  
 Rated speed : 1740 rpm

Moment of inertia (J) : 0.0057 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : L

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