

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Single-Phase			
Product code :	14733578			
Frame	: 56H			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Design	: L			
Cooling method	: IC01 - ODP			
Mounting	: F-1			
Rotation ¹	: Both (CW and CCW)			
Starting method	: Direct On Line			
Approx. weight ³	: 21.8 kg			
Moment of inertia (J)	: 0.0057 kgm ²			
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 ²	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			
Sealing	: Without Without Bearing Seal Bearing Seal			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 35 kgf Max. compression : 57 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

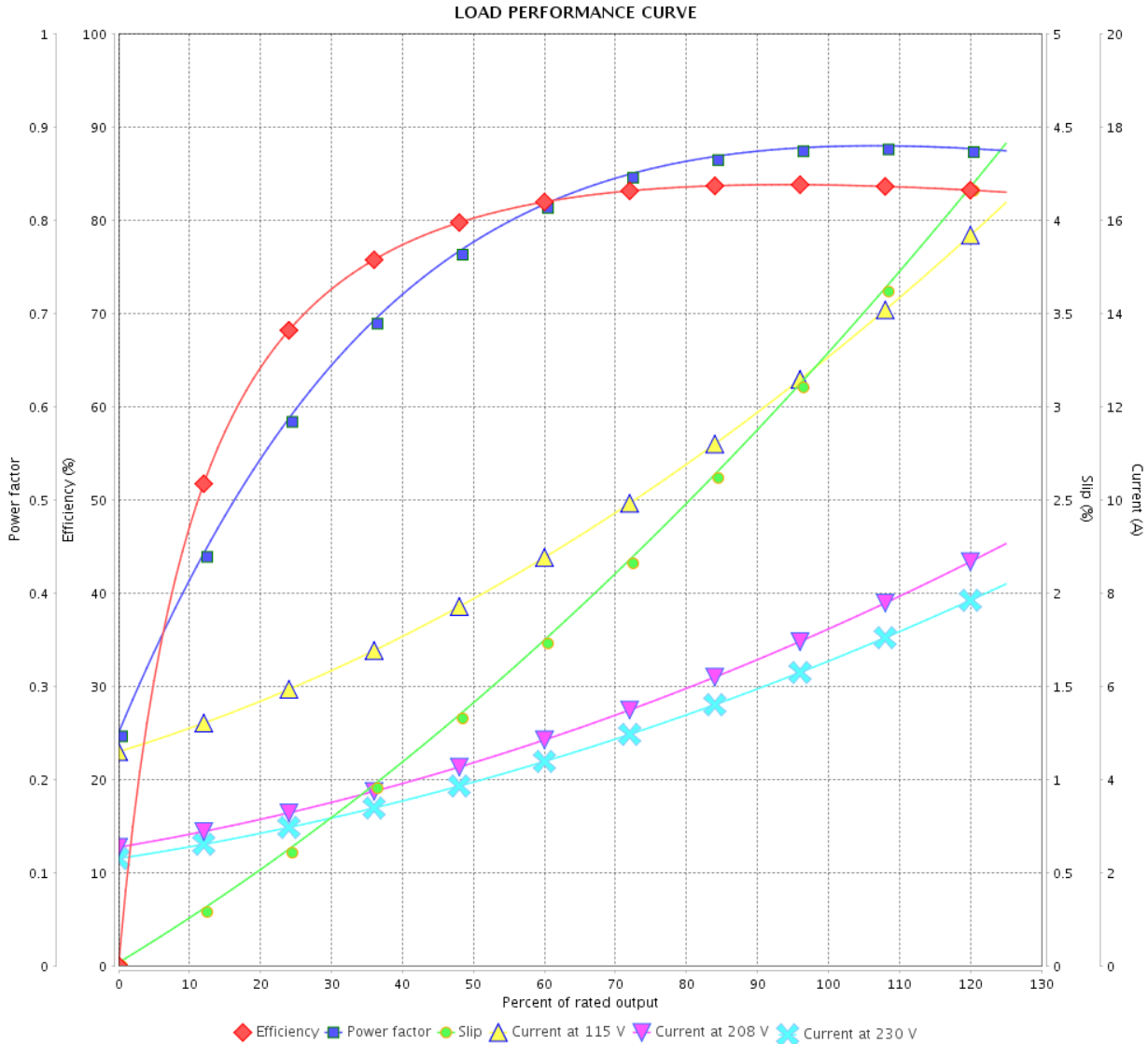
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 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 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

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