

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Single-Phase		Product code : 13383422		
Frame : W56 Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : N		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 9.6 kg Moment of inertia (J) : 0.0020 kgm²		
Output [HP]	0.5			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	8.00/4.42-4.00			
L. R. Amperes [A]	45.6/25.2-22.8			
LRC [A]	5.7x(Code M)			
No load current [A]	6.60/2.85-3.30			
Rated speed [RPM]	1730			
Slip [%]	3.89			
Rated torque [kgfm]	0.210			
Locked rotor torque [%]	320			
Breakdown torque [%]	270			
Service factor				
Temperature rise	80 K			
Locked rotor time	18s (cold) 10s (hot)			
Noise level ²	52.0 dB(A)			
Efficiency (%)	25%			
	50%	52.0		
	75%	59.0		
	100%	64.0		
Power Factor	25%			
	50%	0.44		
	75%	0.54		
	100%	0.63		
Bearing type : Drive end 6203 ZZ Non drive end 6202 ZZ Sealing : V'Ring V'Ring Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 13 kgf Max. compression : 22 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
Performed by				
Checked by				
Date	11/05/2022		Page 1 / 2	Revision

LOAD PERFORMANCE CURVE

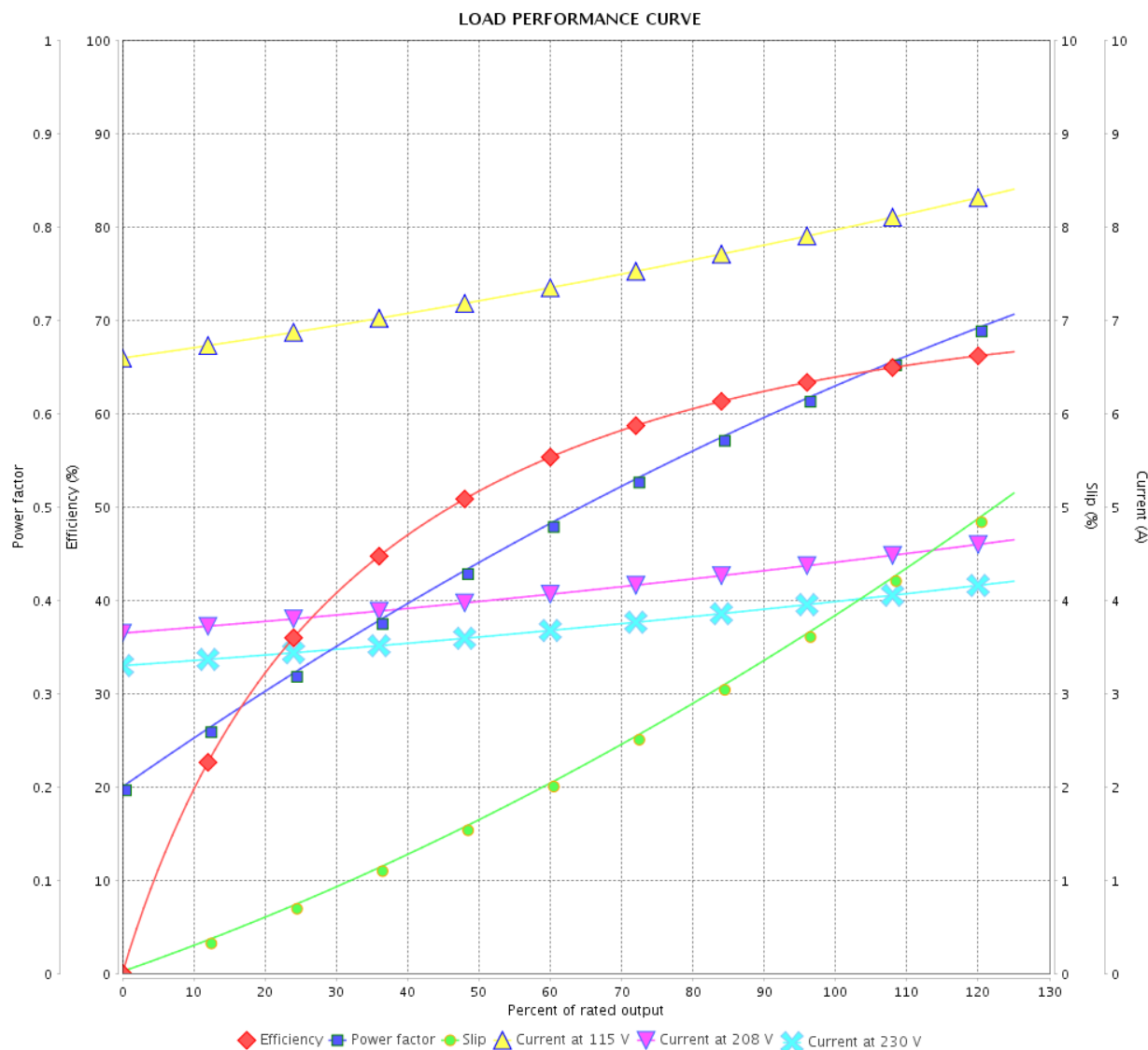
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 13383422



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

Rated current : 8.00/4.42-4.00 A
 LRC : 5.7
 Rated torque : 0.210 kgfm
 Locked rotor torque : 320 %
 Breakdown torque : 270 %
 Rated speed : 1730 rpm

Moment of inertia (J) : 0.0020 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

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