

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Jet Pump - J type Single-Phase			
Product code :	13905943			
Frame	: 56J			
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	: CCW			
Starting method	: Direct On Line			
Approx. weight ³	: 11.6 kg			
Moment of inertia (J)	: 0.0017 kgm ²			
Output [HP]	0.75			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	8.00/4.42-4.00			
L. R. Amperes [A]	64.0/35.4-32.0			
LRC [A]	8.0x(Code L)			
No load current [A]	4.00/1.72-2.00			
Rated speed [RPM]	3500			
Slip [%]	2.78			
Rated torque [kgfm]	0.156			
Locked rotor torque [%]	280			
Breakdown torque [%]	290			
Service factor				
Temperature rise	80 K			
Locked rotor time	18s (cold) 10s (hot)			
Noise level ²	68.0 dB(A)			
Efficiency (%)	25%			
	50%	52.0		
	75%	62.0		
	100%	66.0		
Power Factor	25%			
	50%	0.81		
	75%	0.87		
	100%	0.91		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS			
Sealing	: V'Ring V'Ring			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 8 kgf			
	Max. compression : 20 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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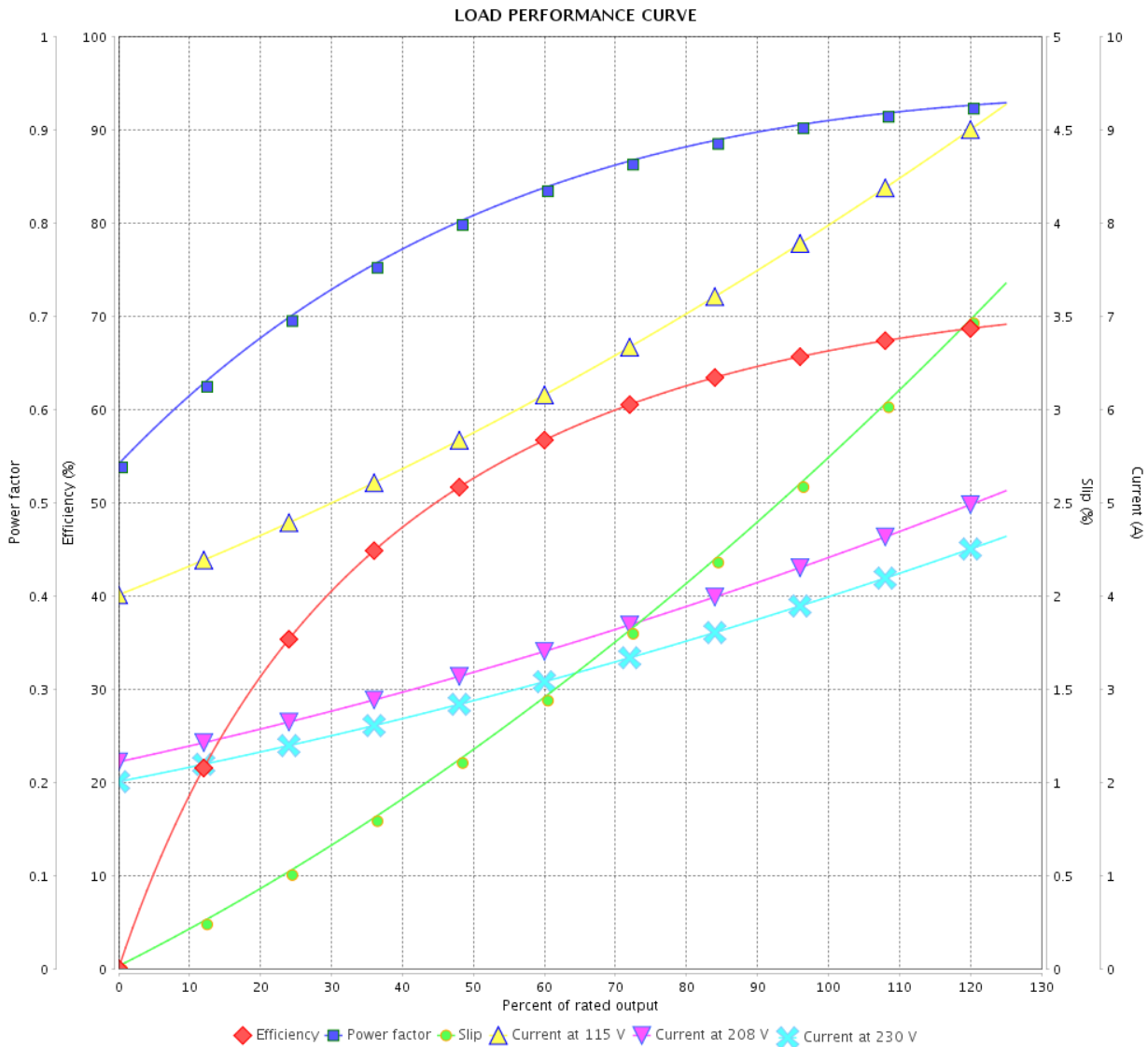
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase Product code : 13905943



Performance : 115/208-230 V 60 Hz 2P

Rated current : 8.00/4.42-4.00 A
 LRC : 8.0
 Rated torque : 0.156 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 290 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0017 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

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