

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Jet Pump - C type Single-Phase			
Product code	: 14580015			
Frame	: 56C			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Design	: N			
Cooling method	: IC01 - ODP			
Mounting	: F-1			
Rotation ¹	: CCW			
Starting method	: Direct On Line			
Approx. weight ³	: 13.8 kg			
Moment of inertia (J)	: 0.0023 kgm ²			
Output [HP]	1			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	8.60/4.75-4.30			
L. R. Amperes [A]	72.2/39.9-36.1			
LRC [A]	8.4x(Code K)			
No load current [A]	2.60/1.12-1.30			
Rated speed [RPM]	3510			
Slip [%]	2.50			
Rated torque [kgfm]	0.207			
Locked rotor torque [%]	290			
Breakdown torque [%]	300			
Service factor				
Temperature rise	80 K			
Locked rotor time	28s (cold) 16s (hot)			
Noise level ²	58.0 dB(A)			
Efficiency (%)	25%			
	50%	69.0		
	75%	76.0		
	100%	80.4		
Power Factor	25%			
	50%	0.89		
	75%	0.93		
	100%	0.94		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS			
Sealing	: Without Bearing Seal Without Bearing Seal			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 13 kgf			
	Max. compression : 26 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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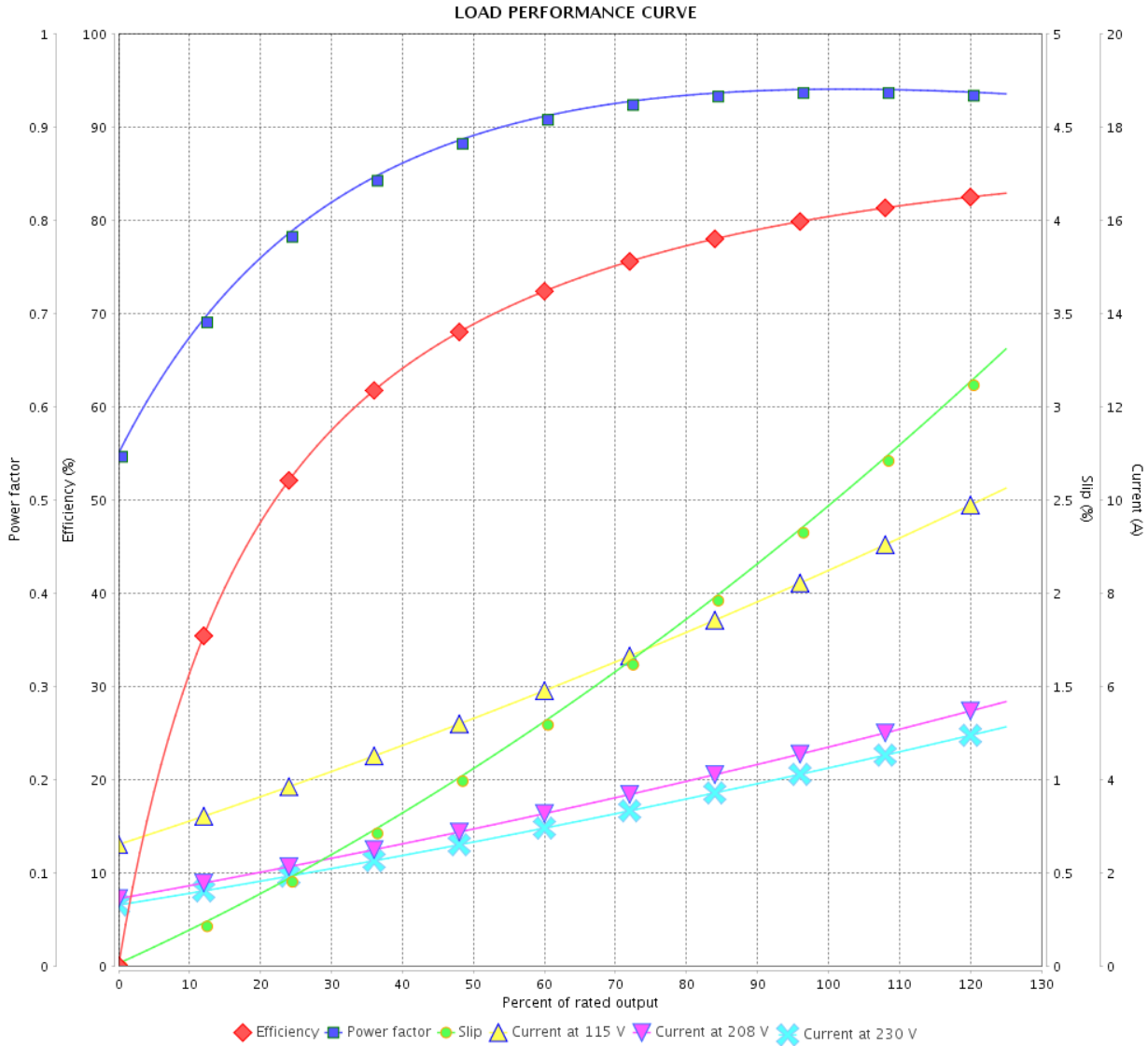
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Single-Phase Product code : 14580015



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

Rated current : 8.60/4.75-4.30 A
 LRC : 8.4
 Rated torque : 0.207 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 300 %
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.0023 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

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