

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - J type Standard Efficiency Three-Phase		Product code : 13905946
Frame	: 56J	Cooling method	: IC01 - ODP	
Insulation class	: F	Mounting	: F-1	
Duty cycle	: Cont.(S1)	Rotation ¹	: CCW	
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 12.5 kg	
Design	: A	Moment of inertia (J)	: 0.0033 kgm ²	
Output [HP]	2			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	2.26			
L. R. Amperes [A]	15.8			
LRC [A]	7.0x(Code J)			
No load current [A]	1.04			
Rated speed [RPM]	3470			
Slip [%]	3.61			
Rated torque [kgfm]	0.418			
Locked rotor torque [%]	229			
Breakdown torque [%]	250			
Service factor	1.20			
Temperature rise	80 K			
Locked rotor time	18s (cold) 10s (hot)			
Noise level ²	62.0 dB(A)			
Efficiency (%)	25%			
	50%	77.0		
	75%	78.5		
	100%	78.5		
Power Factor	25%			
	50%	0.66		
	75%	0.79		
	100%	0.85		
Bearing type	: Drive end 6203 2RS	Non drive end 6202 2RS	Foundation loads	
Sealing	: Without	Without	Max. traction : 27 kgf	
	Bearing Seal	Bearing Seal	Max. compression : 40 kgf	
Lubrication interval	: -	-		
Lubricant amount	: -	-		
Lubricant type	: Mobil Polyrex EM			
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
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LOAD PERFORMANCE CURVE

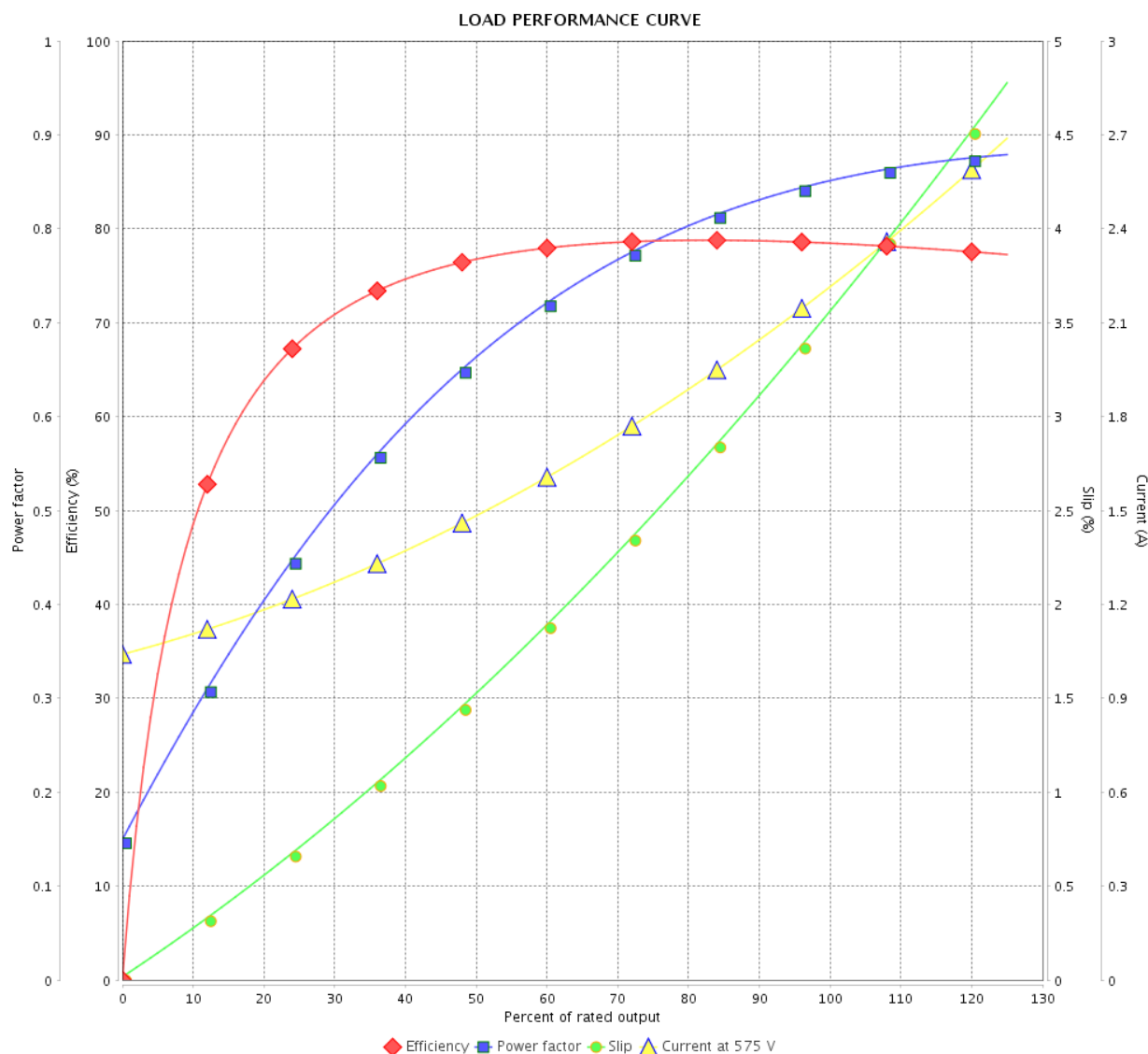
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Standard
Efficiency Three-Phase

Product code : 13905946



Performance : 575 V 60 Hz 2P

Rated current : 2.26 A
 LRC : 7.0
 Rated torque : 0.418 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 250 %
 Rated speed : 3470 rpm

Moment of inertia (J) : 0.0033 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.20
 Temperature rise : 80 K
 Design : A

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