

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - C type Three-Phase	Product code : 14513302	
Frame	: W56C	Cooling method	: IC01 - ODP	
Insulation class	: F	Mounting	: W-6	
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	: 7.2 kg	
		Moment of inertia (J)	: 0.0006 kgm ²	
Output [HP]	0.5			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.703			
L. R. Amperes [A]	5.13			
LRC [A]	7.3x(Code M)			
No load current [A]	0.480			
Rated speed [RPM]	3450			
Slip [%]	4.17			
Rated torque [kgfm]	0.105			
Locked rotor torque [%]	370			
Breakdown torque [%]	400			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	43s (cold) 24s (hot)			
Noise level ²	62.0 dB(A)			
Efficiency (%)	25%			
	50%	62.0		
	75%	68.0		
	100%	73.4		
Power Factor	25%			
	50%	0.53		
	75%	0.65		
	100%	0.72		
Bearing type	: Drive end 6203 2RS	Non drive end 6202 2RS	Foundation loads	
Sealing	: Without Bearing Seal	Without Bearing Seal	Max. traction	: 10 kgf
			Max. compression	: 17 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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Date	17/05/2022			

LOAD PERFORMANCE CURVE

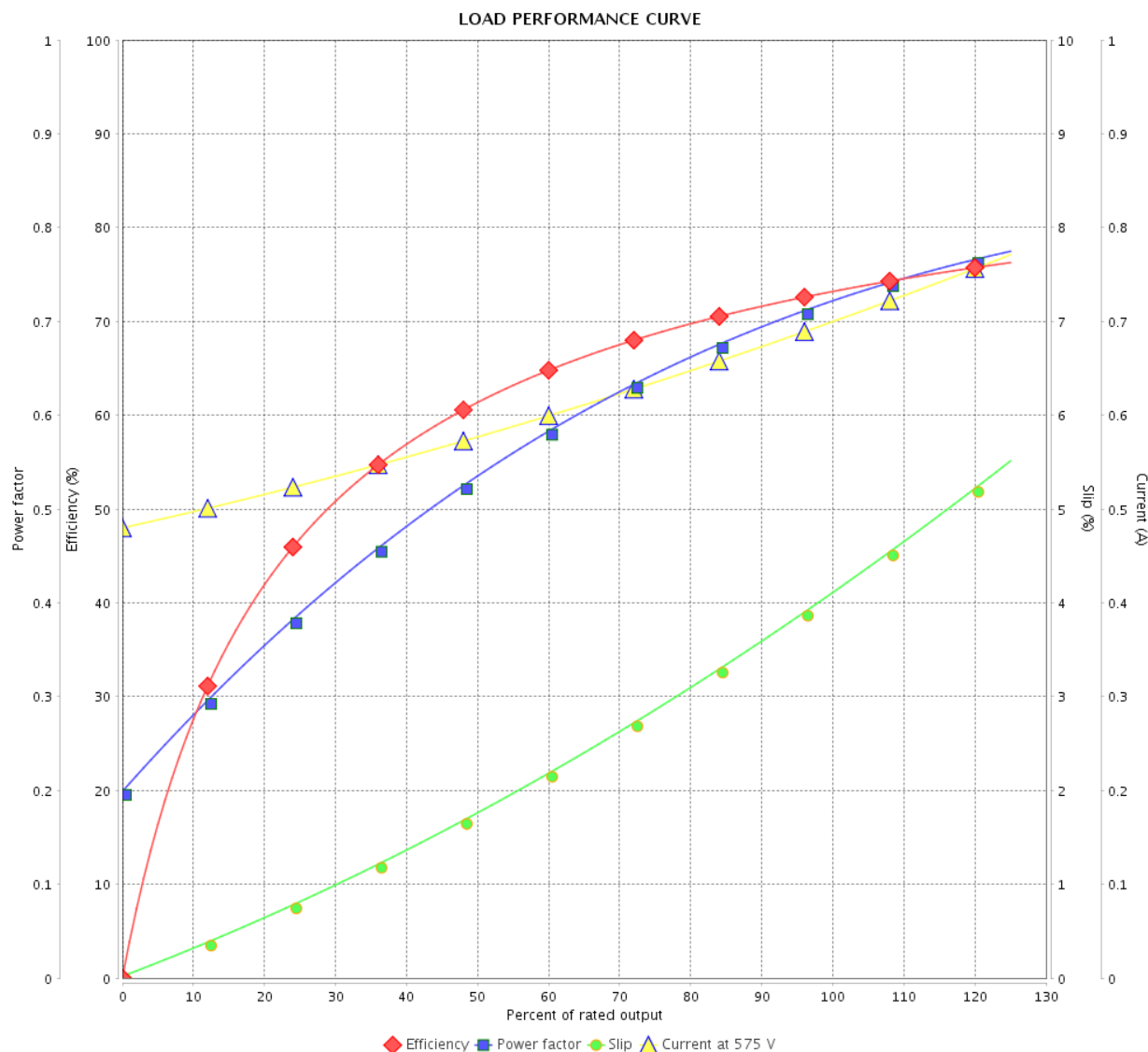
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase

Product code : 14513302



Performance : 575 V 60 Hz 2P

Rated current : 0.703 A
LRC : 7.3
Rated torque : 0.105 kgfm
Locked rotor torque : 370 %
Breakdown torque : 400 %
Rated speed : 3450 rpm

Moment of inertia (J) : 0.0006 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K

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