

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: Jet Pump - J type Premium Efficiency Three-Phase		Product code : 16039609	
Frame : W56J		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 : 8.8 kg			
		Moment of inertia (J) : 0.0010 kgm ²			
Output [HP]		1			
Poles		2			
Frequency [Hz]		60			
Rated voltage [V]		575			
Rated current [A]		1.30			
L. R. Amperes [A]		10.8			
LRC [A]		8.3x(Code M)			
No load current [A]		0.800			
Rated speed [RPM]		3450			
Slip [%]		4.17			
Rated torque [kgfm]		0.210			
Locked rotor torque [%]		400			
Breakdown torque [%]		409			
Service factor		1.40			
Temperature rise		80 K			
Locked rotor time		23s (cold) 13s (hot)			
Noise level ²		62.0 dB(A)			
Efficiency (%)	25%				
	50%	70.0			
	75%	75.5			
	100%	77.0			
Power Factor	25%				
	50%	0.55			
	75%	0.68			
	100%	0.75			
Bearing type : 6203 2RS		Drive end	Non drive end	Foundation loads Max. traction : 23 kgf Max. compression : 32 kgf	
Sealing : Without		Bearing Seal	Bearing Seal		
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	Date
Performed by					
Checked by					
Date	11/05/2022			Page 1 / 2	Revision

LOAD PERFORMANCE CURVE

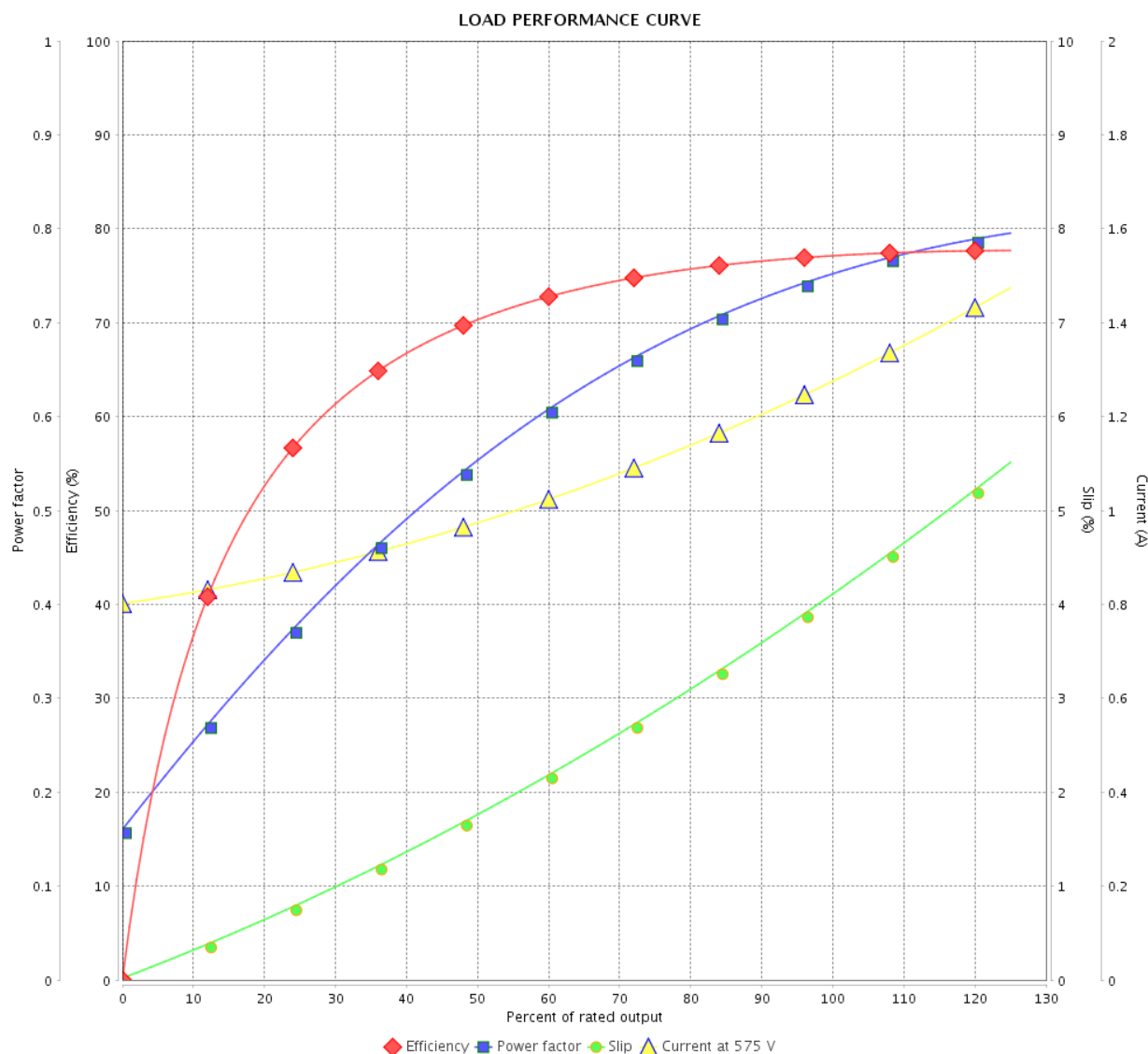
Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 16039609



Performance : 575 V 60 Hz 2P

Rated current : 1.30 A
LRC : 8.3
Rated torque : 0.210 kgfm
Locked rotor torque : 400 %
Breakdown torque : 409 %
Rated speed : 3450 rpm

Moment of inertia (J) : 0.0010 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.40
Temperature rise : 80 K

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