

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : 13942739
Frame : 143/5JM		Cooling method : IC411 - TEFC		
Insulation class : F		Mounting : F-1		
Duty cycle : Cont.(S1)		Rotation ¹ : Both (CW and CCW)		
Ambient temperature : -20°C to +40°C		Starting method : Direct On Line		
Altitude : 1000 m.a.s.l.		Approx. weight ³ : 23.3 kg		
Protection degree : IP55		Moment of inertia (J) : 0.0070 kgm ²		
Design : B				
Output [HP]		3		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		2.81		
L. R. Amperes [A]		26.7		
LRC [A]		9.5x(Code K)		
No load current [A]		1.02		
Rated speed [RPM]		3500		
Slip [%]		2.78		
Rated torque [kgfm]		0.622		
Locked rotor torque [%]		300		
Breakdown torque [%]		380		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		18s (cold) 10s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%			
	50%	84.0		
	75%	86.5		
	100%	86.5		
Power Factor	25%			
	50%	0.78		
	75%	0.87		
	100%	0.91		
Bearing type : 6206 ZZ		Drive end	Non drive end	Foundation loads
Sealing : V'Ring			6203 ZZ	Max. traction : 56 kgf
Lubrication interval : -			Without Bearing Seal	Max. compression : 79 kgf
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.	
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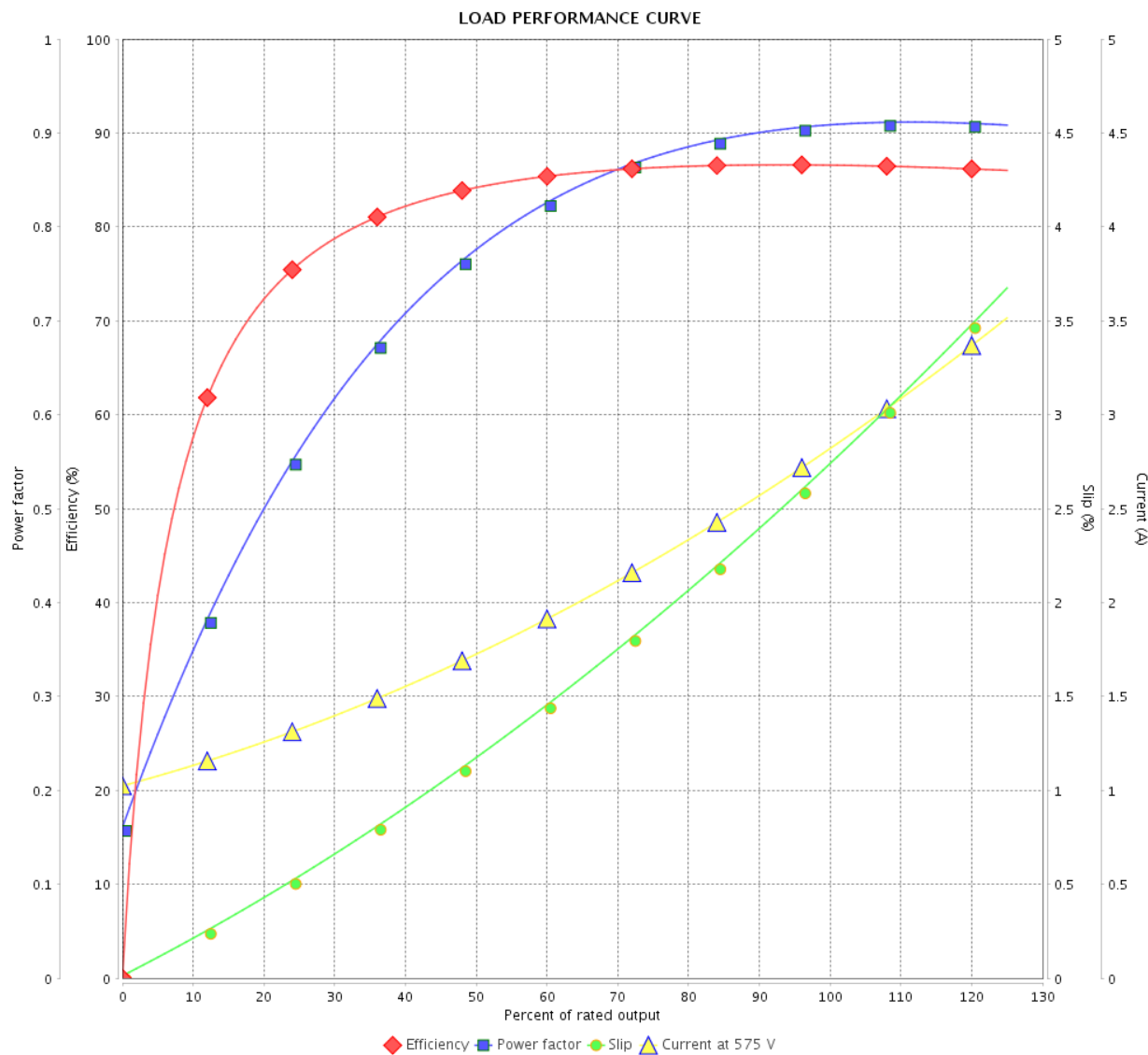
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13942739



Performance : 575 V 60 Hz 2P

Rated current : 2.81 A
LRC : 9.5
Rated torque : 0.622 kgfm
Locked rotor torque : 300 %
Breakdown torque : 380 %
Rated speed : 3500 rpm

Moment of inertia (J) : 0.0070 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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