

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : 13328376
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 : 20.4 kg		
Protection degree : IP55		Moment of inertia (J) : 0.0055 kgm ²		
Design : B				
Output [HP]		2		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		2.18		
L. R. Amperes [A]		17.8		
LRC [A]		8.2x(Code K)		
No load current [A]		1.12		
Rated speed [RPM]		1745		
Slip [%]		3.06		
Rated torque [kgfm]		0.832		
Locked rotor torque [%]		270		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		27s (cold) 15s (hot)		
Noise level ²		52.0 dB(A)		
Efficiency (%)	25%	86.0		
	50%	85.5		
	75%	87.5		
	100%	86.5		
Power Factor	25%	0.35		
	50%	0.60		
	75%	0.73		
	100%	0.80		
Bearing type : 6206 ZZ		Drive end	Non drive end	Foundation loads
Sealing : V'Ring			6203 ZZ	Max. traction : 61 kgf
Lubrication interval : -			Without Bearing Seal	Max. compression : 81 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.	
Rev.	Changes Summary		Performed	Checked
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LOAD PERFORMANCE CURVE

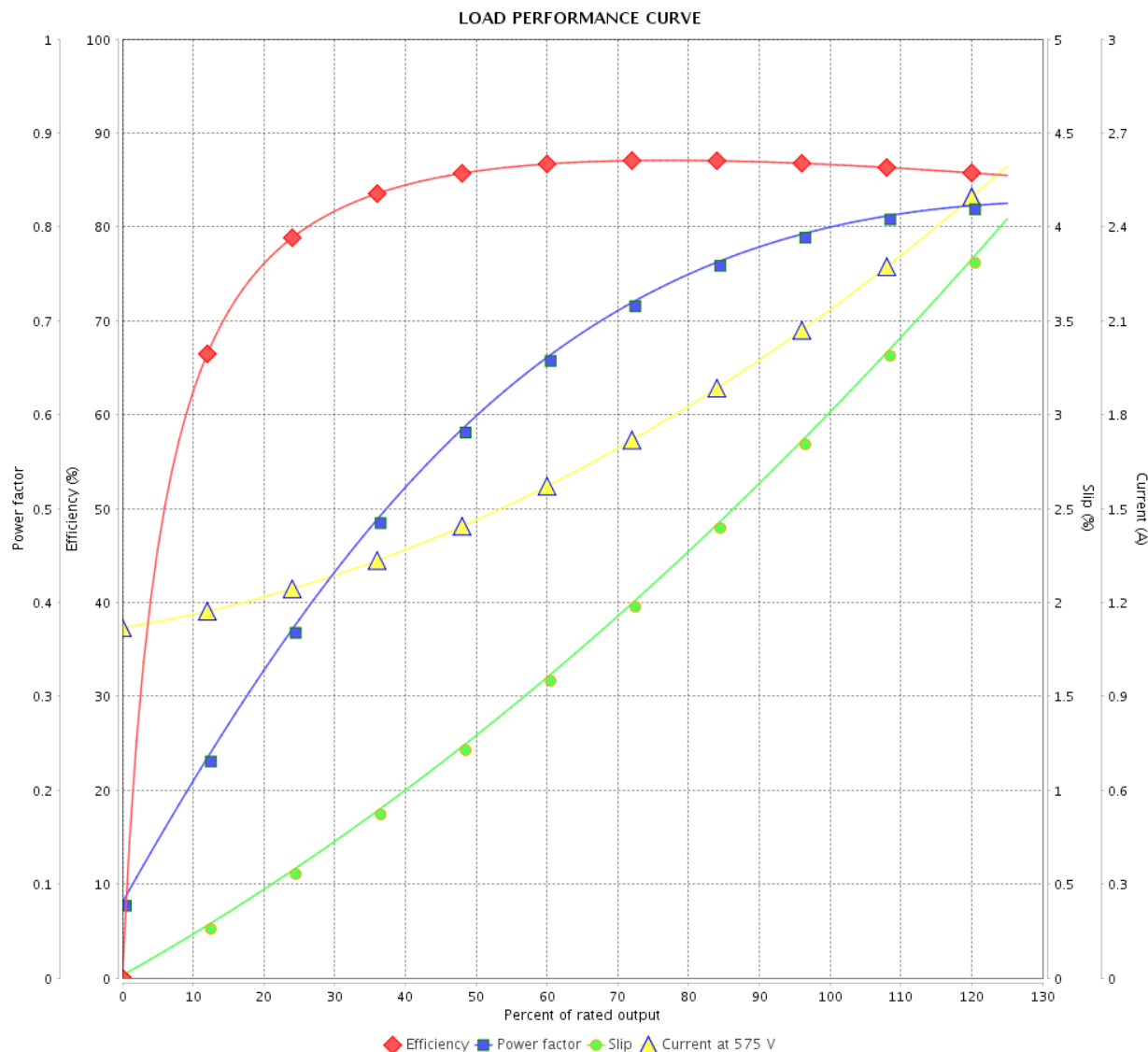
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13328376



Performance : 575 V 60 Hz 4P

Rated current : 2.18 A
 LRC : 8.2
 Rated torque : 0.832 kgfm
 Locked rotor torque : 270 %
 Breakdown torque : 300 %
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0055 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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