

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : 13392705
Frame : 254/6JM Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : B		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 87.9 kg Moment of inertia (J) : 0.0367 kgm ²		
Output [HP]		15		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		13.9		
L. R. Amperes [A]		94.7		
LRC [A]		6.8x(Code G)		
No load current [A]		5.20		
Rated speed [RPM]		3525		
Slip [%]		2.08		
Rated torque [kgfm]		3.09		
Locked rotor torque [%]		200		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		25s (cold) 14s (hot)		
Noise level ²		75.0 dB(A)		
Efficiency (%)	25%	89.2		
	50%	89.5		
	75%	91.0		
	100%	91.0		
Power Factor	25%	0.47		
	50%	0.73		
	75%	0.83		
	100%	0.87		
Bearing type : <u>Drive end</u> 6309 Z C3 <u>Non drive end</u> 6208 Z C3 Sealing : V'Ring V'Ring Lubrication interval : 15797 h 20000 h Lubricant amount : 13 g 8 g Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 101 kgf Max. compression : 189 kgf		
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

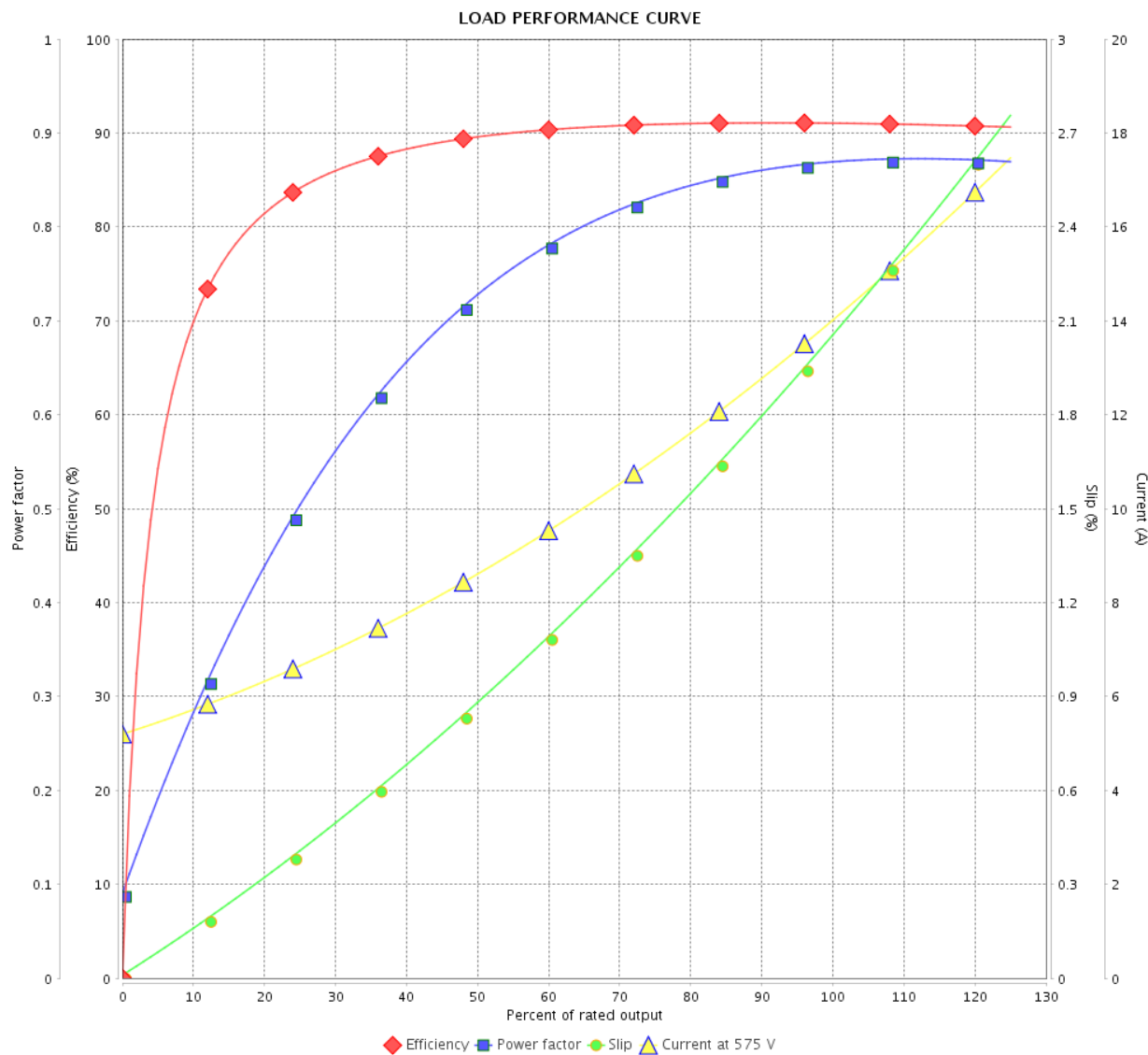
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13392705



Performance : 575 V 60 Hz 2P

Rated current : 13.9 A
LRC : 6.8
Rated torque : 3.09 kgfm
Locked rotor torque : 200 %
Breakdown torque : 300 %
Rated speed : 3525 rpm

Moment of inertia (J) : 0.0367 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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