

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : 13289039	
Frame	: 213/5JM	Cooling method	: IC01 - ODP		
Insulation class	: F	Mounting	: W-6		
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	: 58.0 kg		
Design	: B	Moment of inertia (J)	: 0.0546 kgm ²		
Output [HP]	10				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	9.92				
L. R. Amperes [A]	69.4				
LRC [A]	7.0x(Code H)				
No load current [A]	4.79				
Rated speed [RPM]	1770				
Slip [%]	1.67				
Rated torque [kgfm]	4.10				
Locked rotor torque [%]	250				
Breakdown torque [%]	350				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	25s (cold) 14s (hot)				
Noise level ²	59.0 dB(A)				
Efficiency (%)	25%	89.4			
	50%	90.2			
	75%	91.0			
	100%	91.7			
Power Factor	25%	0.38			
	50%	0.64			
	75%	0.77			
	100%	0.83			
Bearing type	: Drive end 6209 ZZ	Non drive end 6206 ZZ	Foundation loads		
Sealing	: Without	Without	Max. traction : 236 kgf		
	Bearing Seal	Bearing Seal	Max. compression : 294 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	Date
Performed by					
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LOAD PERFORMANCE CURVE

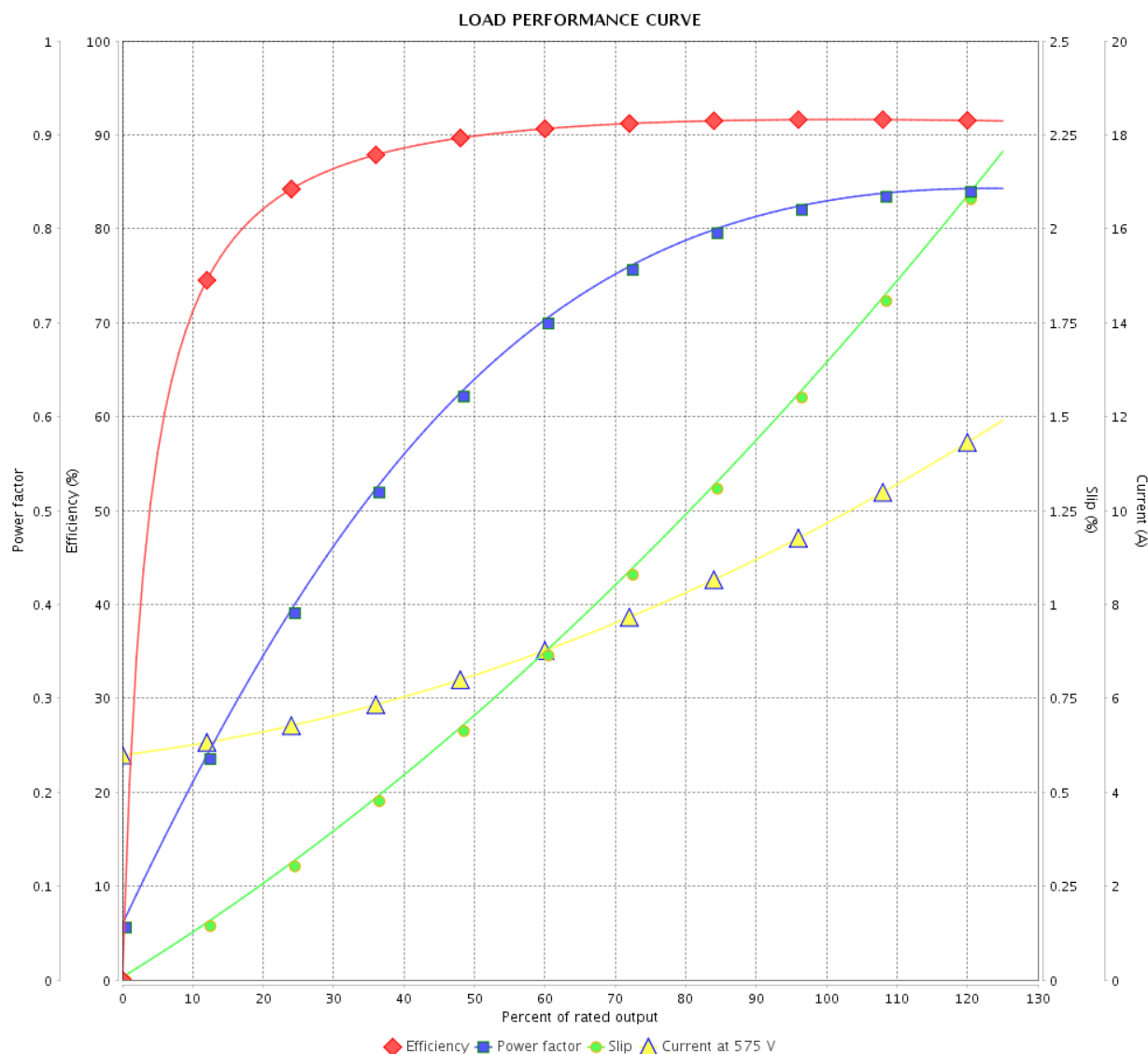
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13289039



Performance : 575 V 60 Hz 4P

Rated current : 9.92 A
LRC : 7.0
Rated torque : 4.10 kgfm
Locked rotor torque : 250 %
Breakdown torque : 350 %
Rated speed : 1770 rpm

Moment of inertia (J) : 0.0546 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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