

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : 13401475
Frame	: 213/5JM	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	: 64.4 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0451 kgm ²	
Design	: B			
Output [HP]	10			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	9.76			
L. R. Amperes [A]	68.3			
LRC [A]	7.0x(Code H)			
No load current [A]	4.43			
Rated speed [RPM]	1760			
Slip [%]	2.22			
Rated torque [kgfm]	4.12			
Locked rotor torque [%]	250			
Breakdown torque [%]	300			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	27s (cold) 15s (hot)			
Noise level ²	60.0 dB(A)			
Efficiency (%)	25%	90.2		
	50%	91.0		
	75%	91.0		
	100%	91.7		
Power Factor	25%	0.41		
	50%	0.67		
	75%	0.78		
	100%	0.84		
Bearing type	: Drive end 6209 ZZ	Non drive end 6206 ZZ	Foundation loads	
Sealing	: V'Ring	V'Ring	Max. traction : 196 kgf	
Lubrication interval	: -	-	Max. compression : 261 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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LOAD PERFORMANCE CURVE

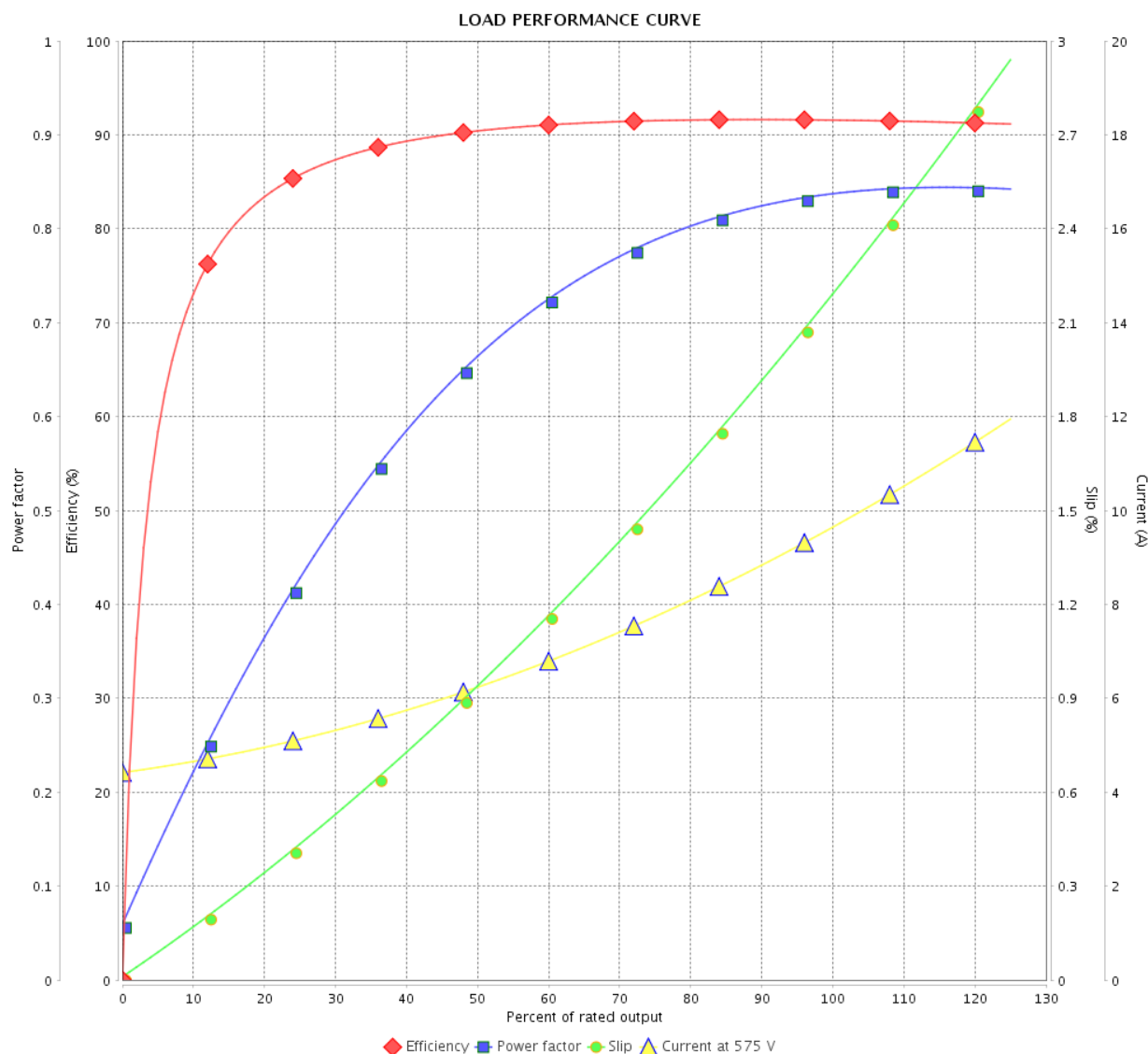
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13401475



Performance : 575 V 60 Hz 4P

Rated current : 9.76 A
LRC : 7.0
Rated torque : 4.12 kgfm
Locked rotor torque : 250 %
Breakdown torque : 300 %
Rated speed : 1760 rpm

Moment of inertia (J) : 0.0451 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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