

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase	Product code : 13634356	
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 : 55.5 kg	
Design		: B	Moment of inertia (J) : 0.0196 kgm ²	
Output [HP]		10		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		9.60		
L. R. Amperes [A]		65.3		
LRC [A]		6.8x(Code H)		
No load current [A]		3.73		
Rated speed [RPM]		3535		
Slip [%]		1.81		
Rated torque [kgfm]		2.05		
Locked rotor torque [%]		200		
Breakdown torque [%]		280		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		19s (cold) 11s (hot)		
Noise level ²		66.0 dB(A)		
Efficiency (%)	25%			
	50%	88.5		
	75%	89.5		
	100%	89.5		
Power Factor	25%			
	50%	0.74		
	75%	0.84		
	100%	0.88		
Bearing type		: Drive end 6209 ZZ Non drive end 6206 ZZ	Foundation loads	
Sealing		: Without Without Bearing Seal Bearing Seal	Max. traction : 78 kgf	
Lubrication interval		: - -	Max. compression : 134 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
Performed by				
Checked by			Page	Revision
Date	16/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

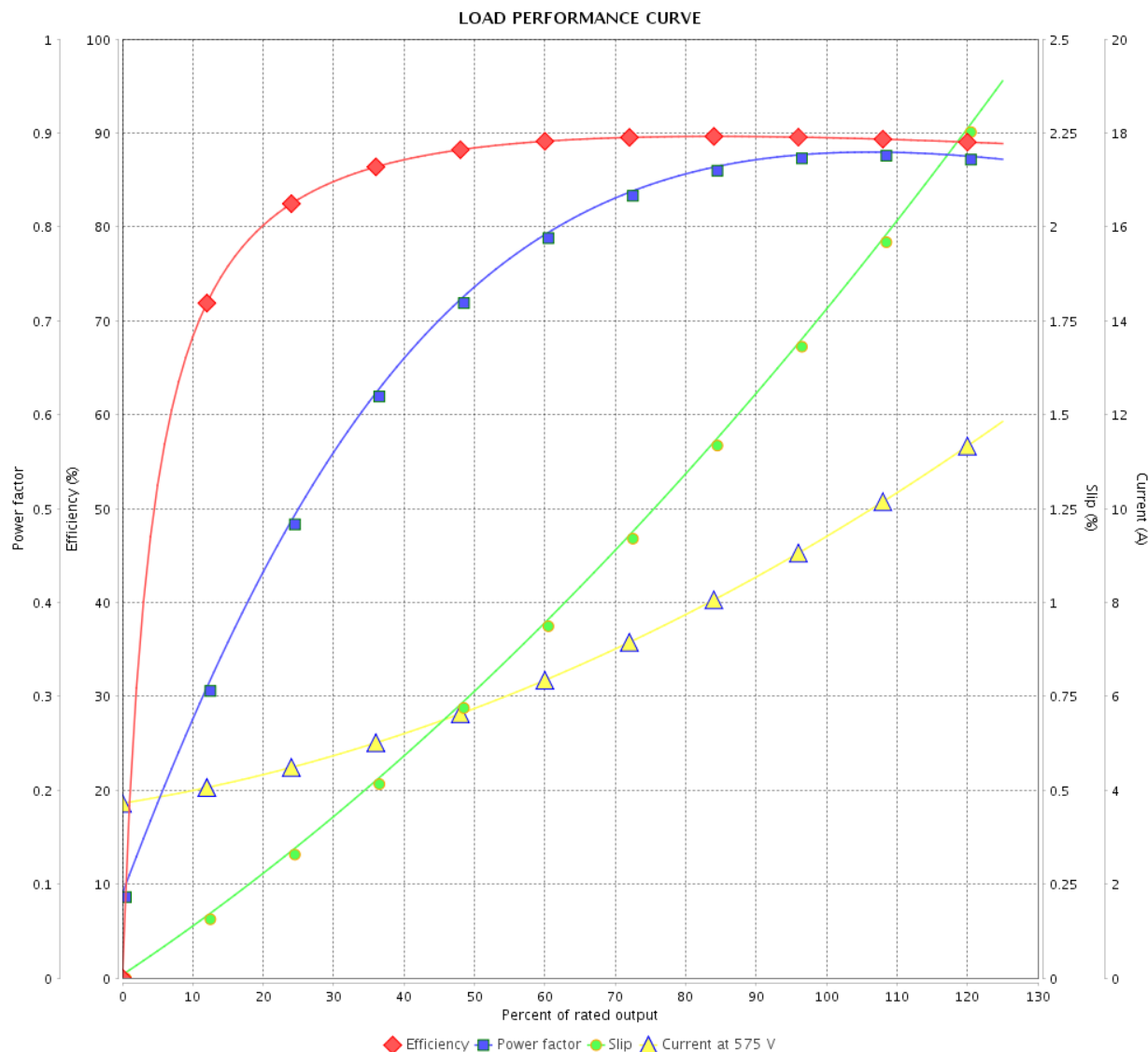
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13634356



Performance : 575 V 60 Hz 2P

Rated current : 9.60 A
 LRC : 6.8
 Rated torque : 2.05 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 280 %
 Rated speed : 3535 rpm

Moment of inertia (J) : 0.0196 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date					

