

# 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 <sup>1</sup> : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup> : 64.4 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0451 kgm <sup>2</sup>		
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 <sup>2</sup>		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	: <u>Drive end</u> 6209 ZZ <u>Non drive end</u> 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				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	16/05/2022		1 / 2	

# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

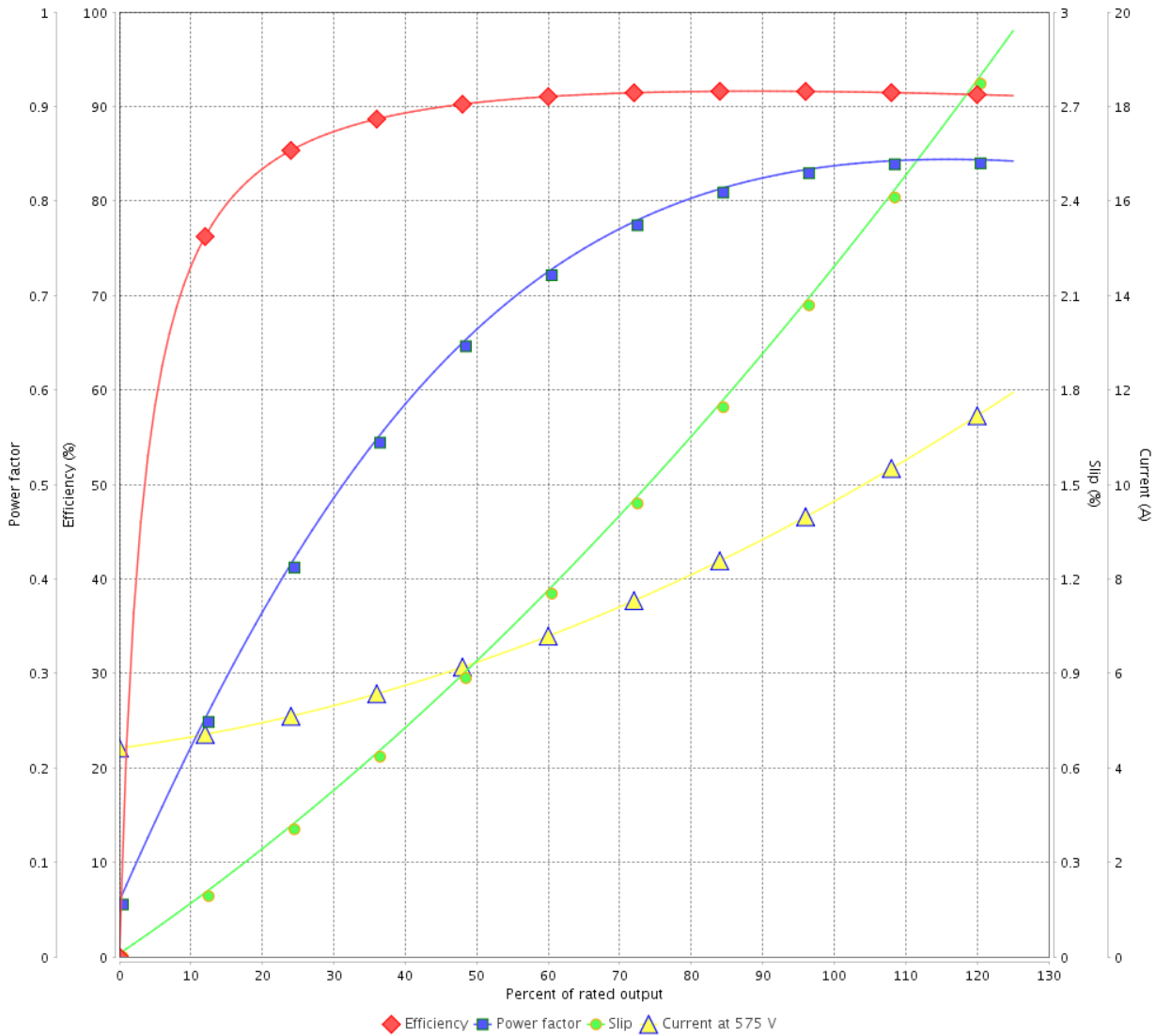


Customer : \_\_\_\_\_

Product line : JM Pump NEMA Premium  
Efficiency Three-Phase

Product code : 13401475

LOAD PERFORMANCE CURVE



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 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 80 K  
Design : B

Rev.	Changes Summary	Performed	Checked	Date
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Date				