

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer					
Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	13312539		
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	: 77.0 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0303 kgm ²		
Design	: B				
Output [HP]	10				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	9.20				
L. R. Amperes [A]	69.0				
LRC [A]	7.5x(Code H)				
No load current [A]	3.01				
Rated speed [RPM]	3530				
Slip [%]	1.94				
Rated torque [kgfm]	2.06				
Locked rotor torque [%]	260				
Breakdown torque [%]	300				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	21s (cold) 12s (hot)				
Noise level ²	70.0 dB(A)				
Efficiency (%)	25%	89.3			
	50%	89.5			
	75%	90.2			
	100%	90.2			
Power Factor	25%	0.53			
	50%	0.80			
	75%	0.88			
	100%	0.91			
Bearing type	: <u>Drive end</u> 6209 ZZ	<u>Non drive end</u> 6206 ZZ	Foundation loads		
Sealing	: V'Ring	V'Ring	Max. traction	: 75 kgf	
Lubrication interval	: -	-	Max. compression	: 152 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

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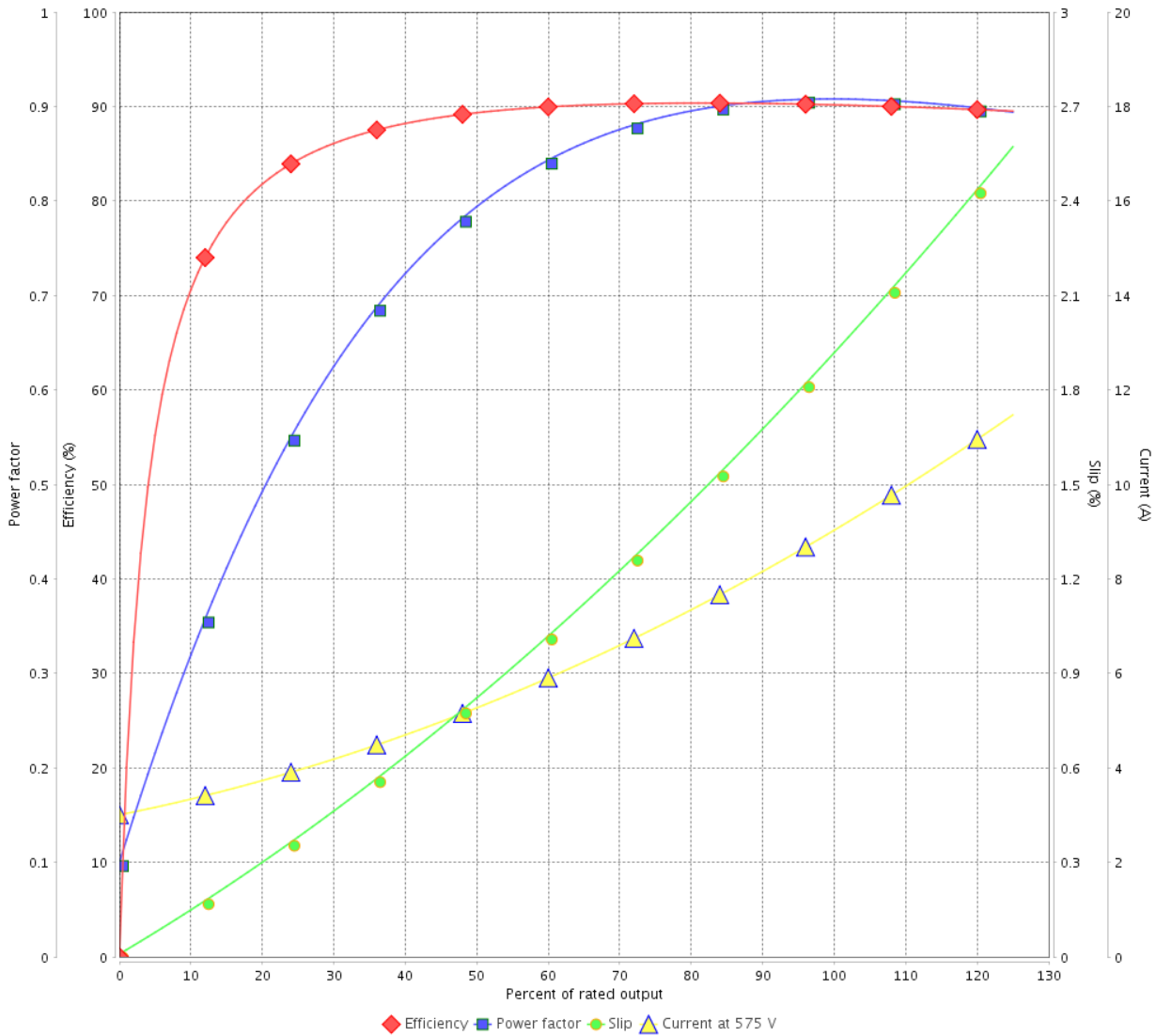


Customer :

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Efficiency Three-Phase

Product code : 13312539

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Performance : 575 V 60 Hz 2P

Rated current : 9.20 A
LRC : 7.5
Rated torque : 2.06 kgfm
Locked rotor torque : 260 %
Breakdown torque : 300 %
Rated speed : 3530 rpm

Moment of inertia (J) : 0.0303 kgm²
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				

