

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer	:				
Product line	: JP Pump NEMA Premium Efficiency Three-Phase	Product code :	14328080		
Frame	: 254/6JP	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>	: 107 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0514 kgm <sup>2</sup>		
Design	: B				
Output [HP]	20				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	18.2				
L. R. Amperes [A]	120				
LRC [A]	6.6x(Code G)				
No load current [A]	5.50				
Rated speed [RPM]	3515				
Slip [%]	2.36				
Rated torque [kgfm]	4.13				
Locked rotor torque [%]	200				
Breakdown torque [%]	290				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	21s (cold) 12s (hot)				
Noise level <sup>2</sup>	75.0 dB(A)				
Efficiency (%)	25%	89.7			
	50%	90.0			
	75%	91.0			
	100%	91.0			
Power Factor	25%	0.55			
	50%	0.81			
	75%	0.88			
	100%	0.91			
Bearing type	: <u>Drive end</u> 6309 Z C3	<u>Non drive end</u> 6208 Z C3	Foundation loads		
Sealing	: V'Ring	Without Bearing Seal	Max. traction	: 135 kgf	
Lubrication interval	: 15797 h	20000 h	Max. compression	: 242 kgf	
Lubricant amount	: 13 g	8 g			
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	17/05/2022			1 / 2	

# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

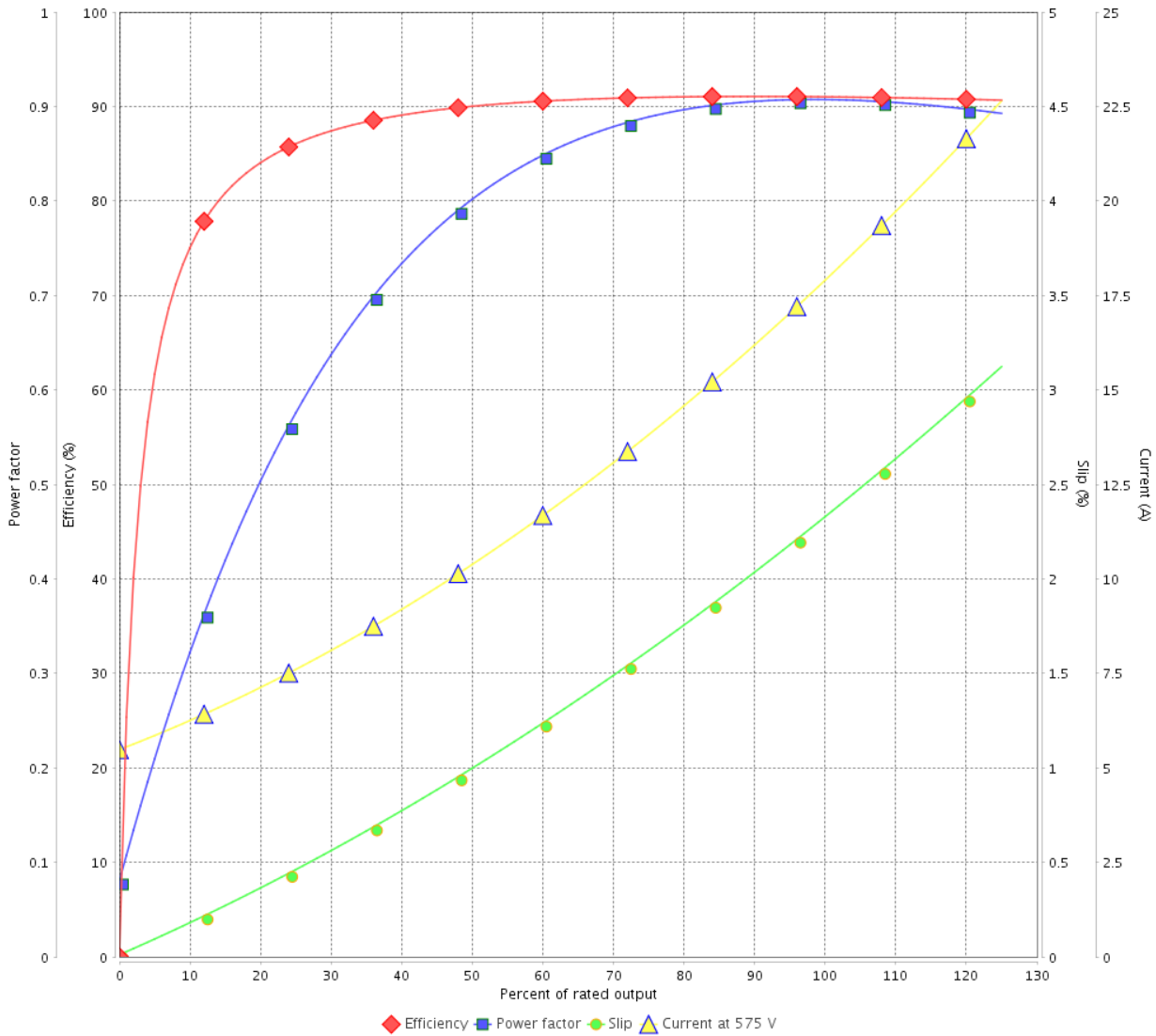


Customer :

Product line : JP Pump NEMA Premium  
Efficiency Three-Phase

Product code : 14328080

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 2P

Rated current : 18.2 A  
LRC : 6.6  
Rated torque : 4.13 kgfm  
Locked rotor torque : 200 %  
Breakdown torque : 290 %  
Rated speed : 3515 rpm

Moment of inertia (J) : 0.0514 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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