

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code : 13942720		
Frame	: 143/5JM	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 : 19.3 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0054 kgm ²		
Design	: B			
Output [HP]		2		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.98		
L. R. Amperes [A]		19.6		
LRC [A]		9.9x(Code L)		
No load current [A]		0.850		
Rated speed [RPM]		3520		
Slip [%]		2.22		
Rated torque [kgfm]		0.412		
Locked rotor torque [%]		250		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		23s (cold) 13s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%			
	50%	82.5		
	75%	85.5		
	100%	85.5		
Power Factor	25%			
	50%	0.73		
	75%	0.83		
	100%	0.89		
Bearing type	: <u>Drive end</u> 6206 ZZ <u>Non drive end</u> 6203 ZZ	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction : 25 kgf		
Lubrication interval	: - -	Max. compression : 45 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>		
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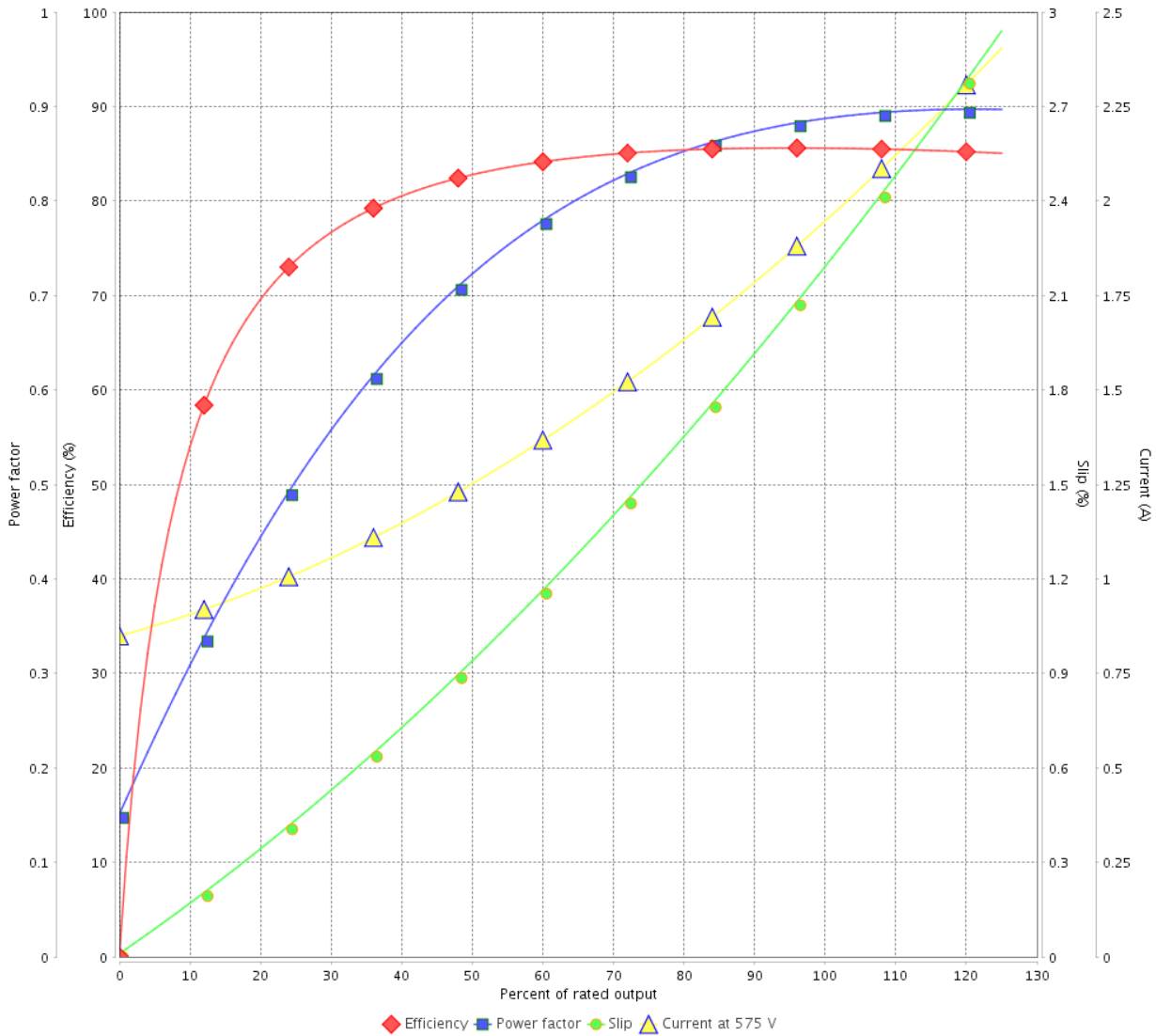


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Efficiency Three-Phase

Product code : 13942720

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Performance : 575 V 60 Hz 2P

Rated current : 1.98 A
LRC : 9.9
Rated torque : 0.412 kgfm
Locked rotor torque : 250 %
Breakdown torque : 300 %
Rated speed : 3520 rpm

Moment of inertia (J) : 0.0054 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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