

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code : 13328376		
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 : 20.4 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0055 kgm ²		
Design	: B			
Output [HP]		2		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		2.18		
L. R. Amperes [A]		17.8		
LRC [A]		8.2x(Code K)		
No load current [A]		1.12		
Rated speed [RPM]		1745		
Slip [%]		3.06		
Rated torque [kgfm]		0.832		
Locked rotor torque [%]		270		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		27s (cold) 15s (hot)		
Noise level ²		52.0 dB(A)		
Efficiency (%)	25%	86.0		
	50%	85.5		
	75%	87.5		
	100%	86.5		
Power Factor	25%	0.35		
	50%	0.60		
	75%	0.73		
	100%	0.80		
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 : 61 kgf		
Lubrication interval	: - -	Max. compression : 81 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.		
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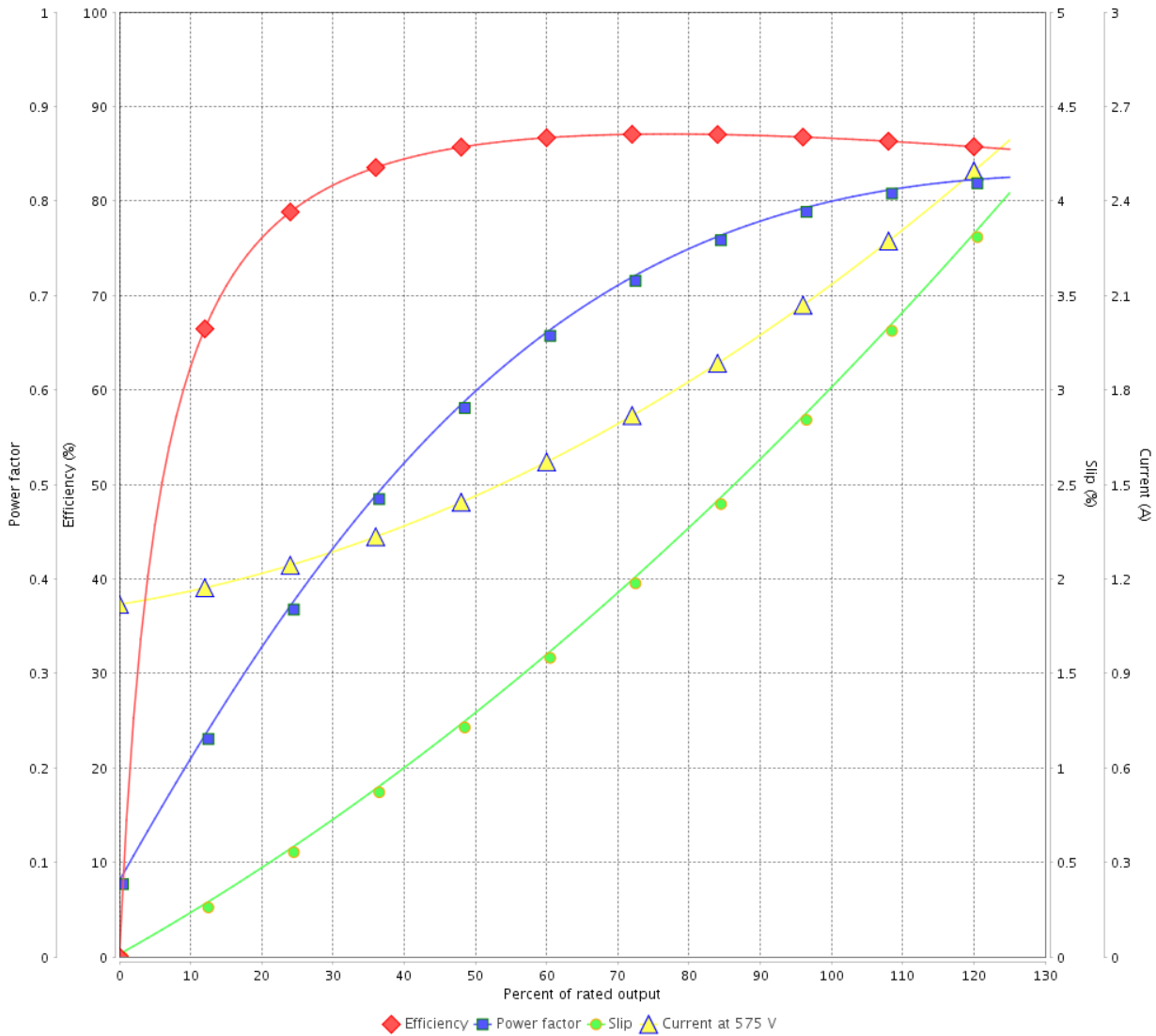


Customer : _____

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13328376

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Performance : 575 V 60 Hz 4P

Rated current : 2.18 A
LRC : 8.2
Rated torque : 0.832 kgfm
Locked rotor torque : 270 %
Breakdown torque : 300 %
Rated speed : 1745 rpm

Moment of inertia (J) : 0.0055 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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