

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code : 13439527		
Frame	: 254/6JM	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 : 111 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0551 kgm ²		
Design	: A			
Output [HP]	25			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	230/460			
Rated current [A]	57.0/28.5			
L. R. Amperes [A]	473/237			
LRC [A]	8.3x(Code J)			
No load current [A]	20.1/10.0			
Rated speed [RPM]	3530			
Slip [%]	1.94			
Rated torque [kgfm]	5.14			
Locked rotor torque [%]	240			
Breakdown torque [%]	340			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	14s (cold) 8s (hot)			
Noise level ²	75.0 dB(A)			
Efficiency (%)	25%			
	50%	91.0		
	75%	91.7		
	100%	91.7		
Power Factor	25%			
	50%	0.77		
	75%	0.85		
	100%	0.89		
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 : 219 kgf		
Lubrication interval	: 15797 h 20000 h	Max. compression : 330 kgf		
Lubricant amount	: 13 g 8 g			
Lubricant type	: Mobil Polyrex EM			
Notes USABLE @208V 63.0A SF 1.00 SFA 63.0A				
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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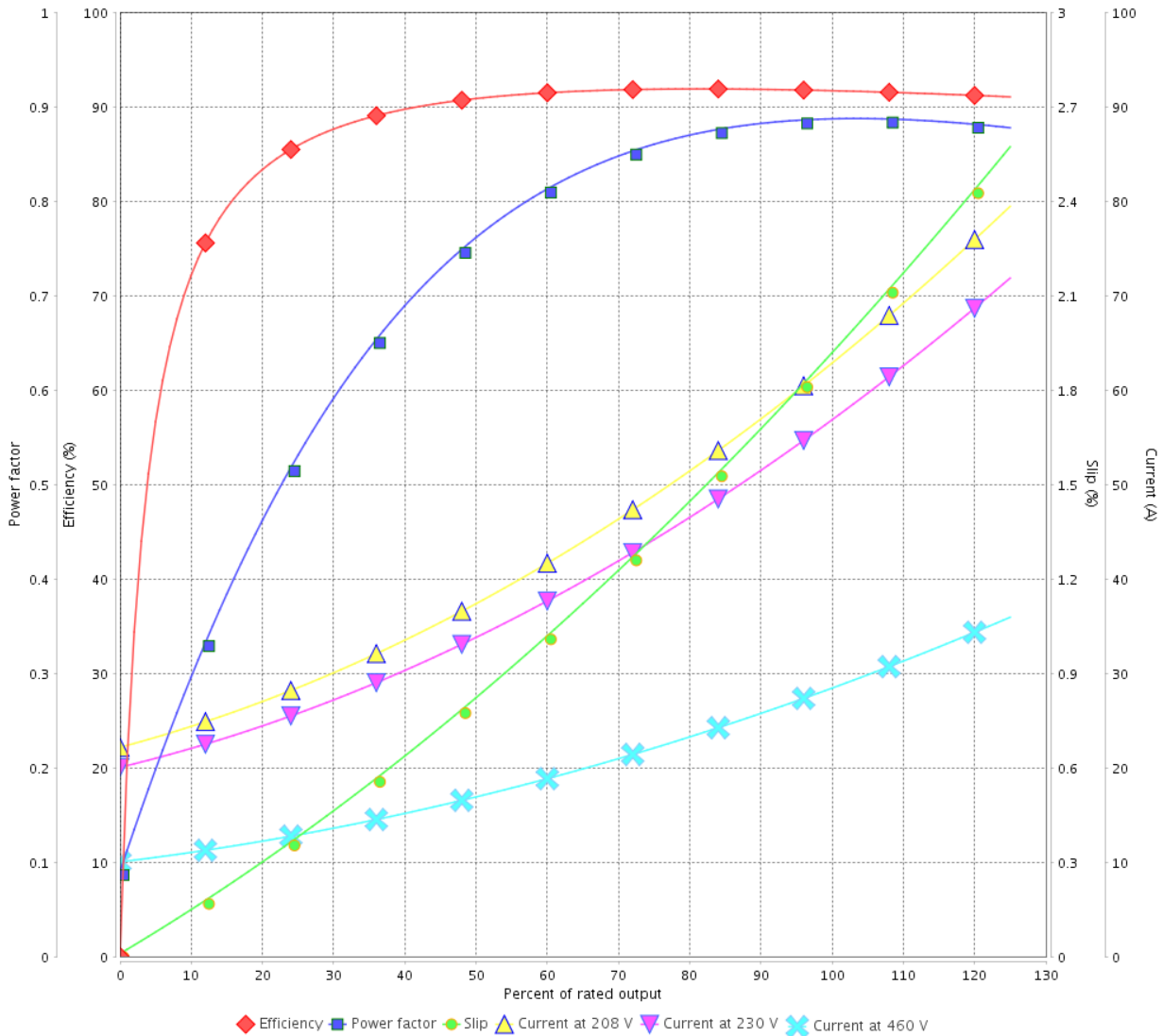


Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13439527

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Performance : 230/460 V 60 Hz 2P

Rated current : 57.0/28.5 A
 LRC : 8.3
 Rated torque : 5.14 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 340 %
 Rated speed : 3530 rpm

Moment of inertia (J) : 0.0551 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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