

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	
Insulation class		: F	: IC411 - TEFC	
Duty cycle		: Cont.(S1)	Mounting	
Ambient temperature		: -20°C to +40°C	: F-1	
Altitude		: 1000 m.a.s.l.	Rotation ¹	
Protection degree		: IP55	: Both (CW and CCW)	
Design		: A	Starting method	
			: Direct On Line	
			Approx. weight ³	
			: 111 kg	
			Moment of inertia (J)	
			: 0.0551 kgm ²	
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		Drive end : 6309 Z C3 Non drive end : 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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LOAD PERFORMANCE CURVE

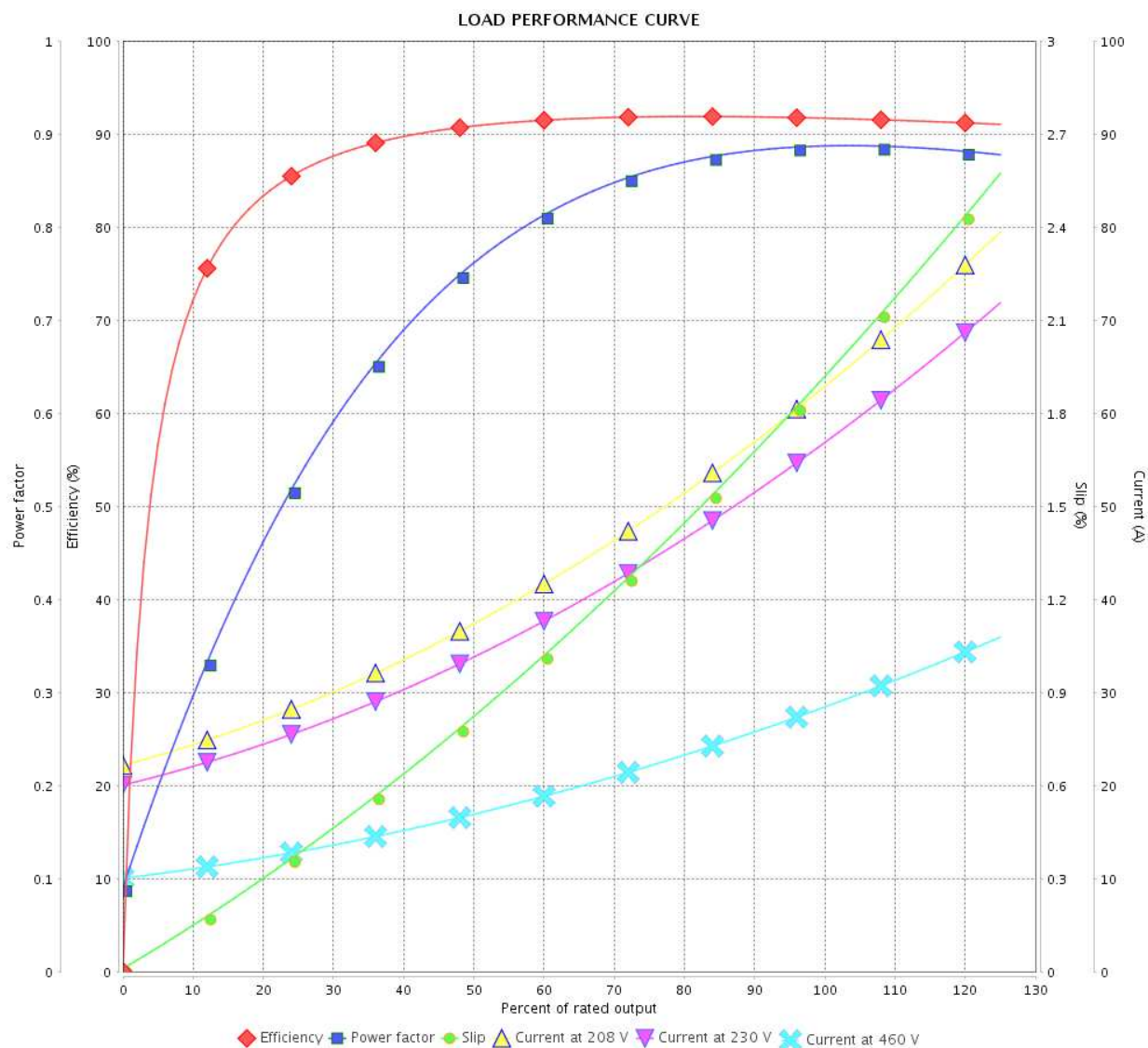
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13439527



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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