

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 : 6309 Z C3		Drive end	Non drive end	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.		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by					
Date	17/05/2022			Page 1 /	Revision

LOAD PERFORMANCE CURVE

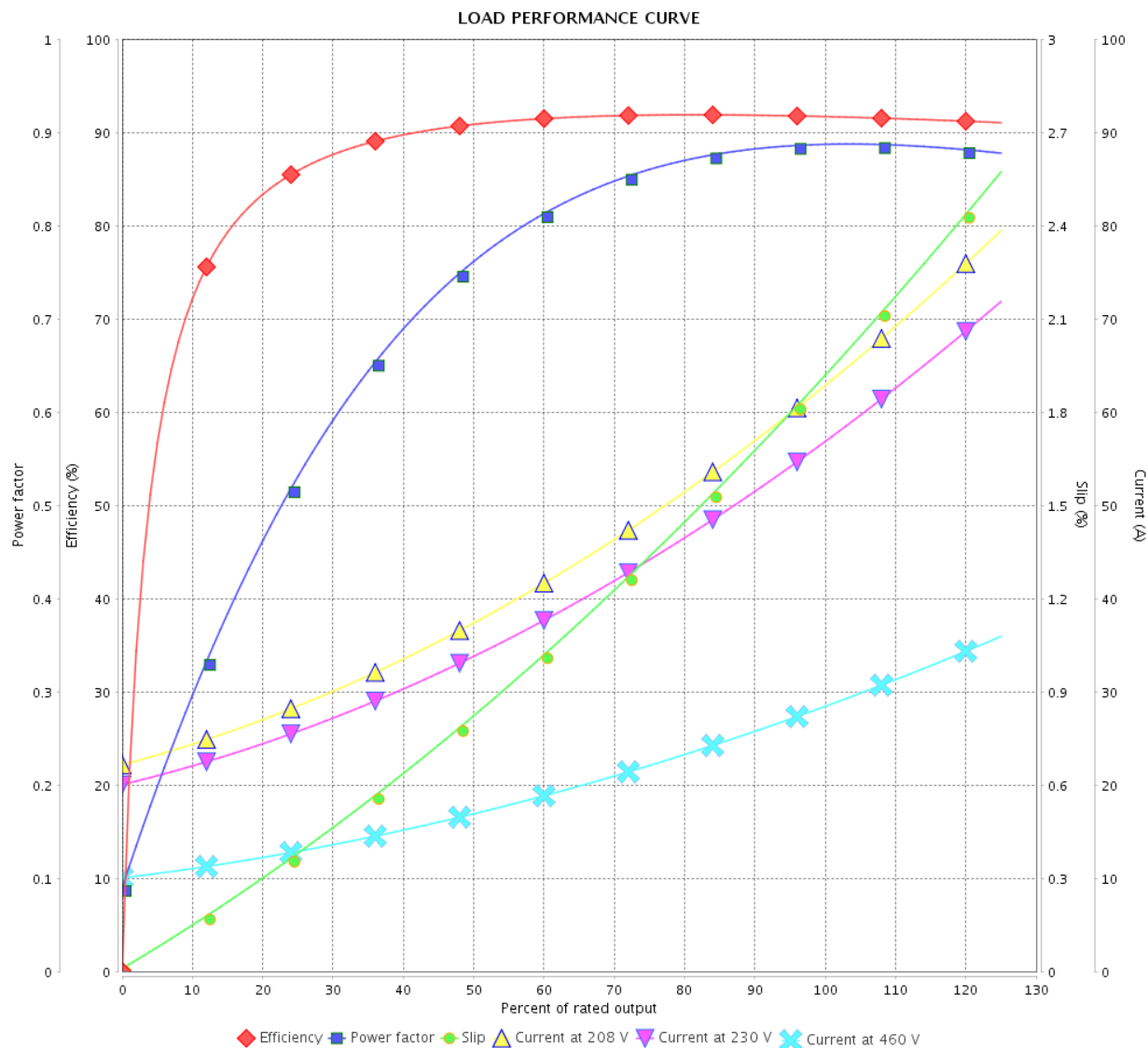
Three Phase Induction Motor - Squirrel Cage



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

Rev.	Changes Summary	Performed	Checked	Date
Performed by				Page 2 /
Checked by				
Date				
	17/05/2022			Revision

