

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : 12770789
Frame	: 254/6JM	Cooling method	: IC01 - ODP	
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	: 92.0 kg	
Design	: B	Moment of inertia (J)	: 0.0767 kgm ²	
Output [HP]	15			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	14.9			
L. R. Amperes [A]	100			
LRC [A]	6.7x(Code H)			
No load current [A]	7.60			
Rated speed [RPM]	1775			
Slip [%]	1.39			
Rated torque [kgfm]	6.13			
Locked rotor torque [%]	240			
Breakdown torque [%]	300			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	30s (cold) 17s (hot)			
Noise level ²	64.0 dB(A)			
Efficiency (%)	25%	91.0		
	50%	91.7		
	75%	92.4		
	100%	93.0		
Power Factor	25%	0.36		
	50%	0.62		
	75%	0.73		
	100%	0.80		
Bearing type	: Drive end 6309 Z C3 Non drive end 6208 Z C3	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction : 243 kgf		
Lubrication interval	: 20000 h 20000 h	Max. compression : 335 kgf		
Lubricant amount	: 13 g 8 g			
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.		
Rev.	Changes Summary		Performed	Checked
Performed by				
Checked by				
Date	16/05/2022		Page 1 / 2	Revision

LOAD PERFORMANCE CURVE

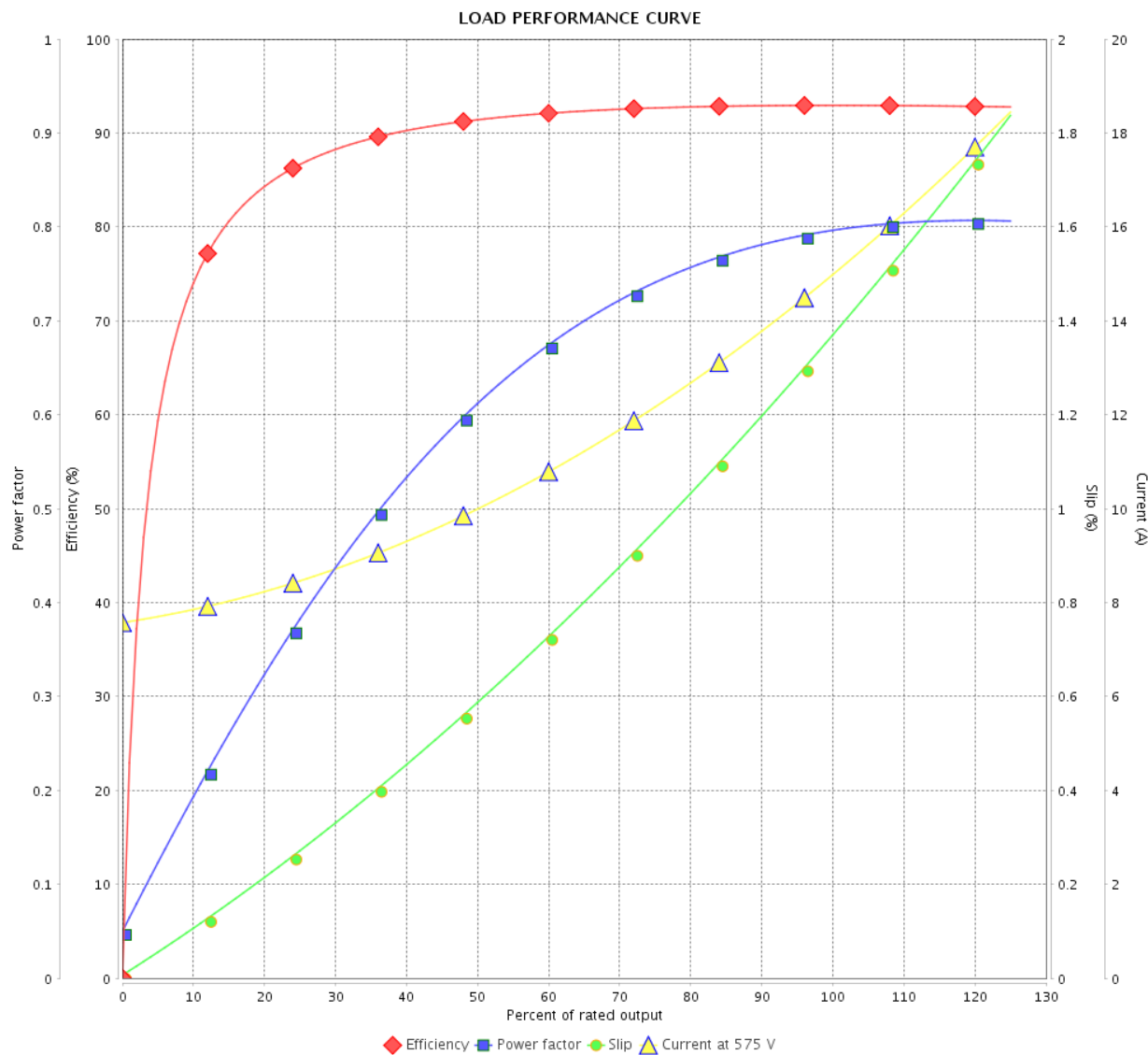
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 12770789



Performance : 575 V 60 Hz 4P

Rated current : 14.9 A
LRC : 6.7
Rated torque : 6.13 kgfm
Locked rotor torque : 240 %
Breakdown torque : 300 %
Rated speed : 1775 rpm

Moment of inertia (J) : 0.0767 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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