

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : 12682530
Frame	: 143/5JM	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	: 19.8 kg	
Design	: B	Moment of inertia (J)	: 0.0060 kgm ²	
Output [HP]	1.5			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	1.66			
L. R. Amperes [A]	14.4			
LRC [A]	8.7x(Code L)			
No load current [A]	0.958			
Rated speed [RPM]	1760			
Slip [%]	2.22			
Rated torque [kgfm]	0.619			
Locked rotor torque [%]	280			
Breakdown torque [%]	330			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	27s (cold) 15s (hot)			
Noise level ²	52.0 dB(A)			
Efficiency (%)	25%	83.6		
	50%	84.0		
	75%	86.5		
	100%	86.5		
Power Factor	25%	0.32		
	50%	0.56		
	75%	0.69		
	100%	0.77		
Bearing type	: Drive end 6206 ZZ	Non drive end 6203 ZZ	Foundation loads	
Sealing	: Without	Without	Max. traction : 48 kgf	
	Bearing Seal	Bearing Seal	Max. compression : 68 kgf	
Lubrication interval	: -	-		
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.	
Rev.	Changes Summary		Performed	Checked
Performed by				
Checked by			Page	Revision
Date	16/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

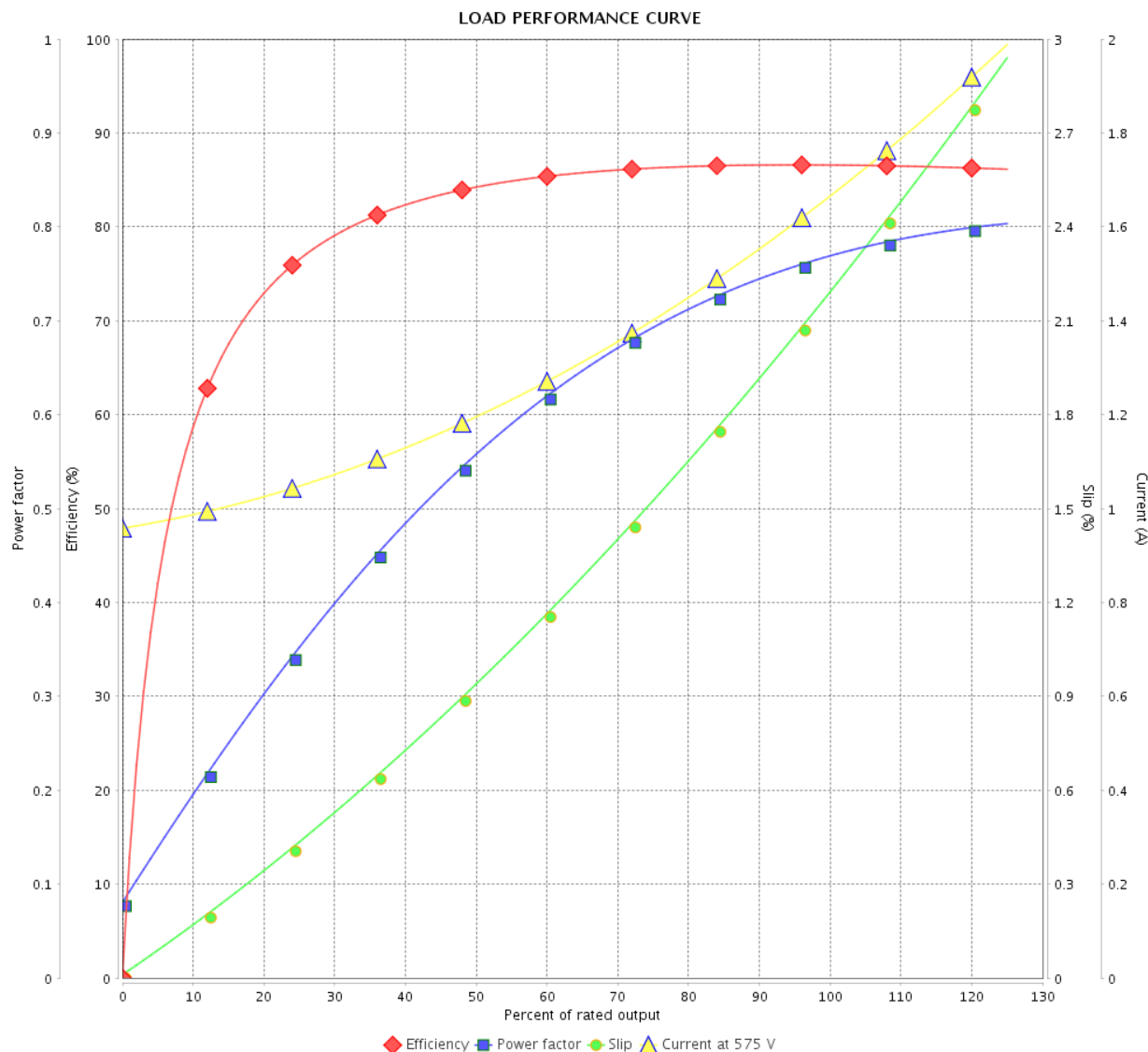
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 12682530



Performance : 575 V 60 Hz 4P

Rated current : 1.66 A
LRC : 8.7
Rated torque : 0.619 kgfm
Locked rotor torque : 280 %
Breakdown torque : 330 %
Rated speed : 1760 rpm

Moment of inertia (J) : 0.0060 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2 Revision		
Checked by				
Date	16/05/2022			

