DATA SHEET

Customer

Poles

Frequency [Hz]

Three Phase Induction Motor - Squirrel Cage



4

50

Product line : JM Pump NEMA Premium Product code: 13180570

Efficiency Three-Phase

4

60

: 213/5JM Cooling method Frame : IC411 - TEFC Insulation class Mounting : F : F-1

Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line

4

50

Approx. weight³ Altitude : 1000 m.a.s.l. : 64.0 kg : IP55 Moment of inertia (J) : 0.0451 kgm²

Protection degree Design : B Output [HP] 10 7.5 7.5

	i requeries [riz]		00	50	J 30	
	Rated voltage [V]		230/460			
Rated current [A] L. R. Amperes [A] LRC [A]			24.4/12.2	22.4/11.2	20.8/11.0 172/91.3 8.3x(Code K)	
			171/85.4	170/85.1		
			7.0x(Code H)	7.6x(Code J)		
	No load current [A]	11.1/5.54	10.9/5.46	11.3/5.97	
Rated speed [RPM		/ 1]	1760 1465		1470	
	Slip [%]		2.22	2.33	2.00	
Rated torque [kgfn		4.12	3.72	3.70		
	Locked rotor torqu	e [%]	250	250	290	
	Breakdown torque [%]		300	320	360	
	Service factor		1.15	1.15	1.15	
	Temperature rise		80 K	80 K	80 K	
	Locked rotor time		27s (cold) 15s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)	
	Noise level ²		60.0 dB(A)	57.0 dB(A)	57.0 dB(A)	
		25%	90.2	90.4	89.3	
	Efficiency (%)	50%	91.0	90.1	89.4	
	Linciency (70)	75%	91.0	90.7	90.5	
		100%	91.7	90.1	90.3	
		25%	0.41	0.38	0.34	
	Power Factor	50%	0.67	0.64	0.59	
	1 OWELL ACTOL	75%	0.78	0.76	0.73	
		100%	0.84	0.83	0.80	

Non drive end Foundation loads Drive end

Bearing type 6209 ZZ 6206 ZZ Max. traction : 214 kgf : 278 kgf

Sealing V'Ring Without Max. compression Bearing Seal

Lubrication interval Lubricant amount

Lubricant type Mobil Polyrex EM

Notes

USABLE @208V 27.0A SF 1.00 SFA 27.0A

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.

(1)/14/100/001/10					
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Revision

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Customer :

Checked by

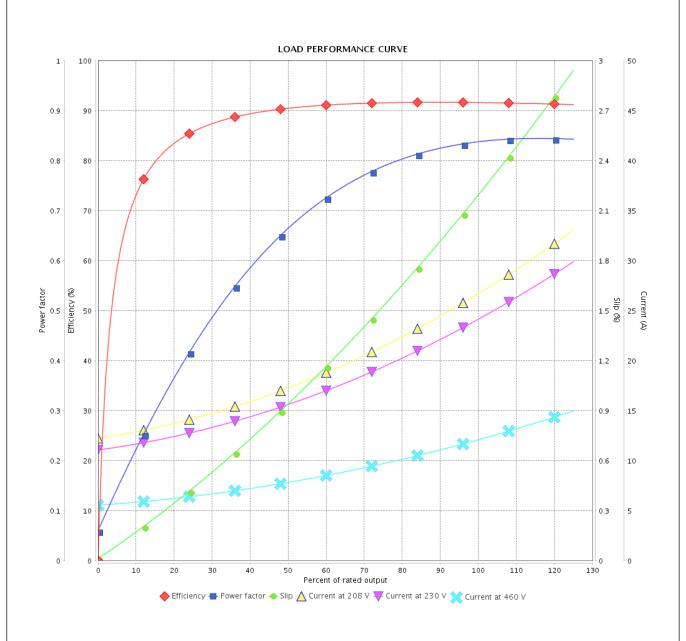
Date

16/05/2022

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13180570



Performance : 230/460 V 60 Hz 4P : 0.0451 kgm² Rated current : 24.4/12.2 A Moment of inertia (J) **LRC** : 7.0 Duty cycle : Cont.(S1) : 4.12 kgfm Insulation class Rated torque : F Locked rotor torque : 250 % Service factor : 1.15 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1760 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

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Three Phase Induction Motor - Squirrel Cage



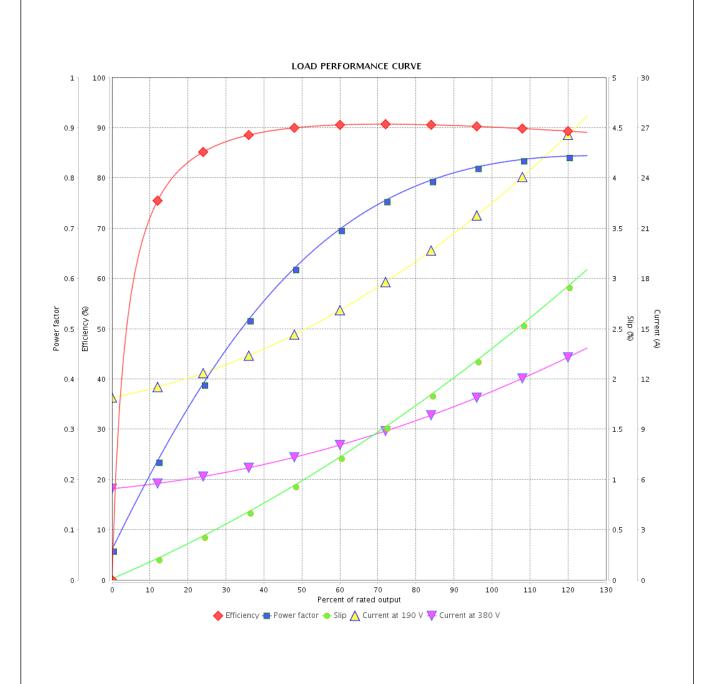
13180570

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Customer

Product line : JM Pump NEMA Premium Product code :

Efficiency Three-Phase



Performance	: 190/380 V 50 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 22.4/11.2 A : 7.6 : 3.72 kgfm : 250 % : 320 % : 1465 rpm	Moment of Duty cycle Insulation Service fac Temperatu Design	class	: 0.0451 kgm² : Cont.(S1) : F : 1.15 : 80 K : B		
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Date

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Three Phase Induction Motor - Squirrel Cage



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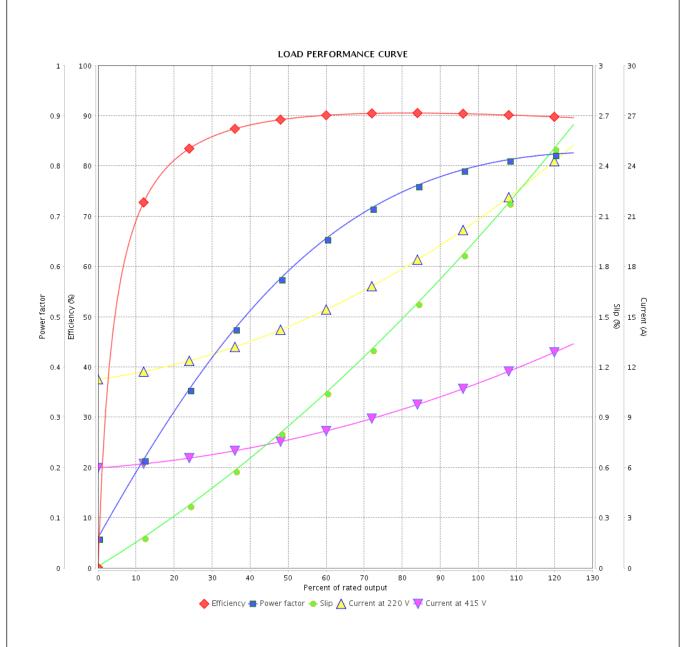
Date

16/05/2022

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13180570



Performance	: 2	20/415 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 8 : 3 que : 2 ue : 3	0.8/11.0 A .3 .70 kgfm 90 % 60 % 470 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0451 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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Performed by						

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Revision