DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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Customer :

Product line : JM Pump NEMA Premium Product code : 13181453

Efficiency Three-Phase

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

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

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Altitude : 1000 m.a.s.l. Approx. weight³ : 75.9 kg
Protection degree : IP55 Moment of inertia (J) : 0.0267 kgm²

Protection degree : IP55 Moment of inertia (J) : 0.0267 kgm²
Design : A

Output [HP] 15 10 10

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r requerioy [riz]		00	00	00	
Rated voltage [V]		230/460	190/380	220/415	
Rated current [A]		34.0/17.0	28.8/14.4	26.2/13.9	
L. R. Amperes [A]		279/139	251/125	244/129	
LRC [A]		8.2x(Code J)	8.7x(Code K)	9.3x(Code K)	
No load current [A]	12.4/6.22	12.2/6.11	12.8/6.77	
Rated speed [RPN	/ 1]	3520	2935	2940	
Slip [%]		2.22	2.17	2.00	
Rated torque [kgfn	n]	3.09	2.47	2.47	
Locked rotor torqu	e [%]	280	320	350	
Breakdown torque	[%]	330	370	420	
Service factor		1.15	1.15	1.15	
Temperature rise		80 K	80 K	80 K	
Locked rotor time		19s (cold) 11s (hot)	25s (cold) 14s (hot)	23s (cold) 13s (hot)	
Noise level ²		70.0 dB(A)	67.0 dB(A)	67.0 dB(A)	
	25%	90.0	90.5	89.9	
Efficiency (%)	50%	90.2	8.2x(Code J) 8.7x(Code K) 9.3x(Code K) 12.4/6.22 12.2/6.11 12.8/6.77 3520 2935 2940 2.22 2.17 2.00 3.09 2.47 2.47 280 320 350 330 370 420 1.15 1.15 1.15 80 K 80 K 80 K 3 (cold) 11s (hot) 25s (cold) 14s (hot) 23s (cold) 13s (hot) 70.0 dB(A) 67.0 dB(A) 67.0 dB(A) 90.0 90.5 89.9 90.2 90.5 90.1 91.0 91.4 91.3 91.0 91.1 91.3 91.0 91.1 91.3 0.49 0.44 0.39 0.76 0.71 0.66 0.85 0.82 0.78		
Linciency (70)	75%	91.0	91.4	91.3	
	100%	91.0	91.1	91.3	
	25%	0.49	0.44	0.39	
25% 0.49 0.44	0.66				
1 OWCI I actor	75%	0.85	0.82	0.78	
	100%	0.89	0.87	0.85	

<u>Drive end</u> <u>Non drive end</u> Foundation loads

Bearing type : 6209 ZZ 6206 ZZ Max. traction : 154 kgf Sealing : V'Ring Without Max. compression : 230 kgf

Bearing Seal Lubrication interval : - -

Lubricant amount : - - - Lubricant type : Mobil Polyrex EM

Notes

Poles

Frequency [Hz]

USABLE @208V 37.6A SF 1.00 SFA 37.6A

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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Customer :

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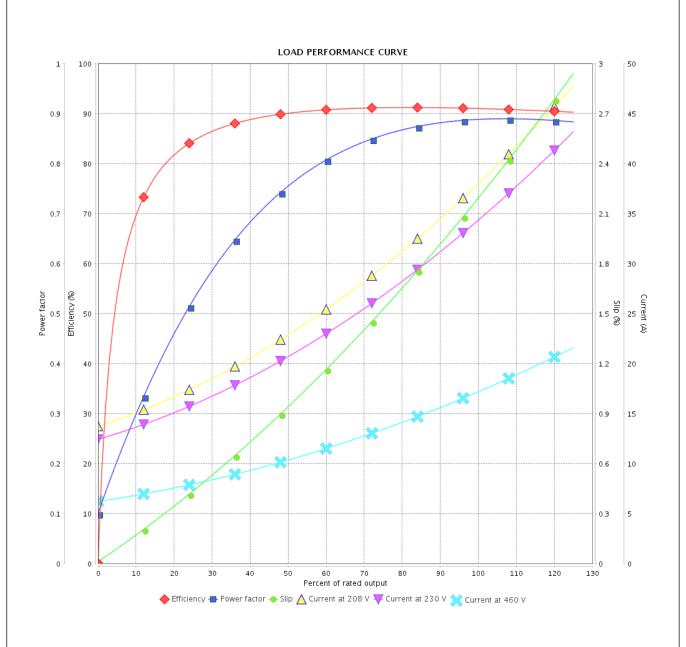
Date

17/05/2022

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13181453



Performance	: 2	30/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 8 : 3 ue : 2 ue : 3	4.0/17.0 A .2 .09 kgfm 80 % 30 % 520 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.0267 kgm² : Cont.(S1) : F : 1.15 : 80 K : A	
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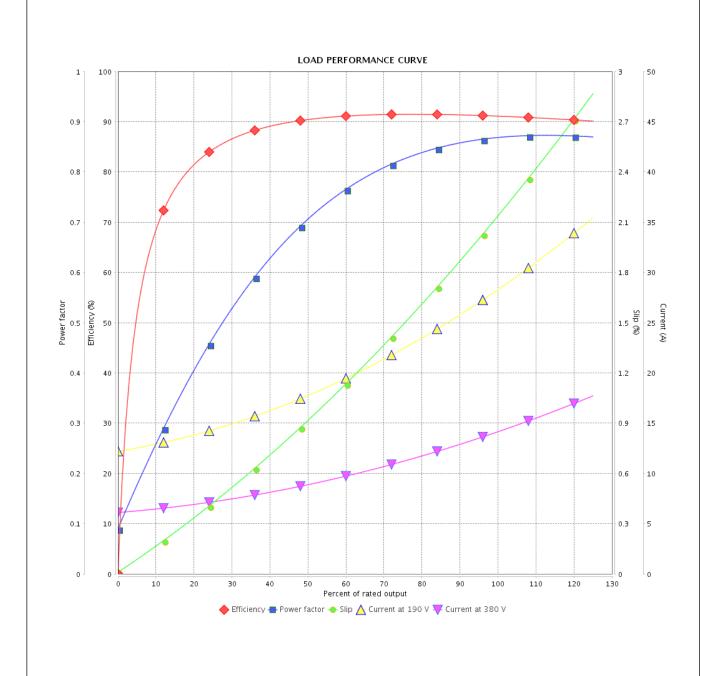


Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13181453



Performance	: 1	90/380 V 50 Hz 2P				
Rated current : 28.8/		8.8/14.4 A	Moment o	Moment of inertia (J)		!
LRC	: 8	.7	Duty cycle		: Cont.(S1)	
Rated torque	: 2	: 2.47 kgfm Insulation class		class	: F	
Locked rotor torqu	ue : 3	20 %	Service fa	ctor	: 1.15	
Breakdown torque	e : 3°	70 %	Temperati	ıre rise	: 80 K	
Rated speed	: 2	935 rpm	Design		: A	
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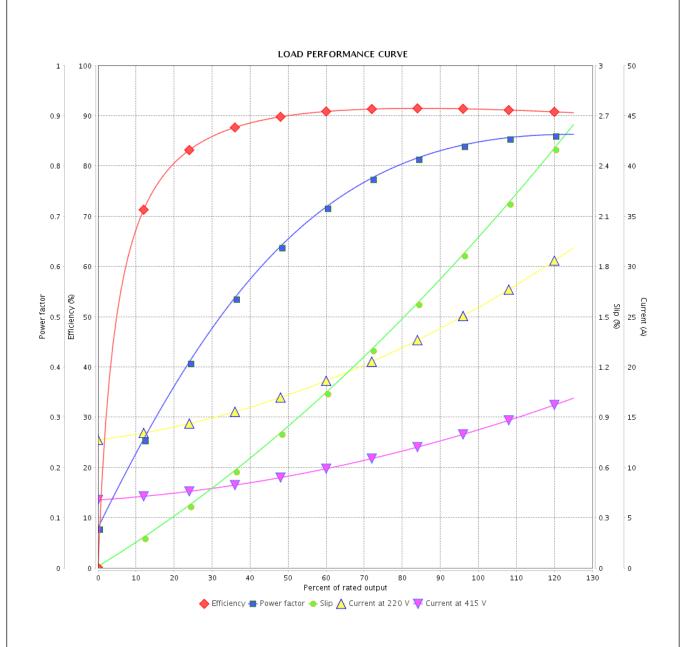
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17/05/2022

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13181453



Performance : 220/415 V 50 Hz 2P : 0.0267 kgm² Rated current : 26.2/13.9 A Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 9.3 Insulation class Rated torque : 2.47 kgfm : F Locked rotor torque : 350 % Service factor : 1.15 Breakdown torque : 420 % Temperature rise : 80 K Rated speed : 2940 rpm Design : A Rev. Performed Checked Date **Changes Summary** Performed by

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