

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Close Coupled Pump JP
NEMA Premium Efficiency Three-Phase
Product code : 15858654

Frame	: 213/5JP	Locked rotor time	: 12s (cold) 7s (hot)
Output	: 15 HP (11 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 14.0 A	Protection degree	: IP55
L. R. Amperes	: 123 A	Cooling method	: IC411 - TEFC
LRC	: 8.8x(Code K)	Mounting	: F-1
No load current	: 4.96 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3535 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 1.81 %	Vibration	: A
Rated torque	: 3 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 280 %	Approx. weight ³	: 82.0 kg
Breakdown torque	: 350 %		: 207A (ISO 12944 - C3)
Insulation class	: F		: RAL 5009
Service factor	: 1.25	Design	: B
Moment of inertia (J)	: 0.0268 kgm ²		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	89.0	90.5	91.0	Max. traction	: 158 kgf
Power Factor	0.00	0.73	0.82	0.87	Max. compression	: 240 kgf

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
9.8	8.0	7.0	5.2	3.4	2.3	1.5

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6309 Z C3	6207 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	19000 h	0 h
Lubricant amount	:	13 g	0 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	Date
Performed by		Page 1 / 2 Revision		
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LOAD PERFORMANCE CURVE

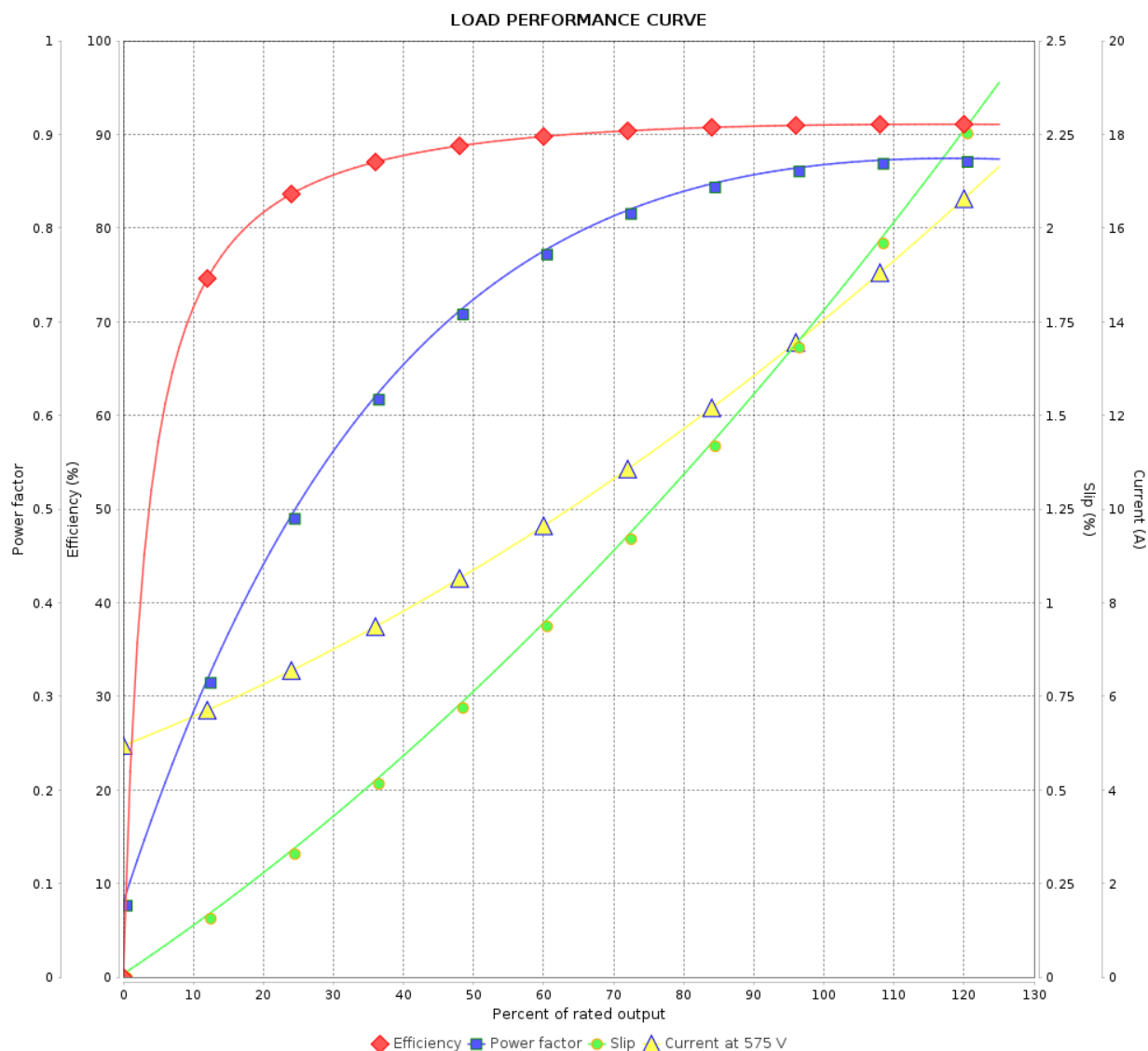
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Customer :

Product line : W22 Close Coupled Pump JP
NEMA Premium Efficiency Three-
Phase

Product code : 15858654



Performance : 575 V 60 Hz 2P

Rated current : 14.0 A
LRC : 8.8
Rated torque : 3 kgfm
Locked rotor torque : 280 %
Breakdown torque : 350 %
Rated speed : 3535 rpm

Moment of inertia (J) : 0.0268 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

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