

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump Single-Phase Product code : 18774506

Frame	: 182/4JM	Locked rotor time	: 12s (cold) 7s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 208-230 V	Ambient temperature	: -20°C to +40°C
Poles	: 2	Altitude	: 1000 m.a.s.l.
Rated current	: 21.4-19.7 A	Protection degree	: IP55
	: 6.9x(Code G)	Cooling method	: IC411 - TEFC
Rated speed	: 3505 rpm	Mounting	: F-1
Rated torque	: 1.04 kgfm	Rotation ¹	: Both (CW and CCW)
Insulation class	: F	Noise level ²	: 72.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0069 kgm ²	Approx. weight ³	: 40.9 kg
Design	: L		

Output	50%	75%	100%	Foundation loads
Efficiency (%)	74.0	80.0	82.5	Max. traction : 42 kgf
Power Factor	0.99	0.99	0.99	Max. compression : 83 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6207 ZZ	6205 ZZ
Sealing	:	V'Ring	Without Bearing Seal
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.

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LOAD PERFORMANCE CURVE

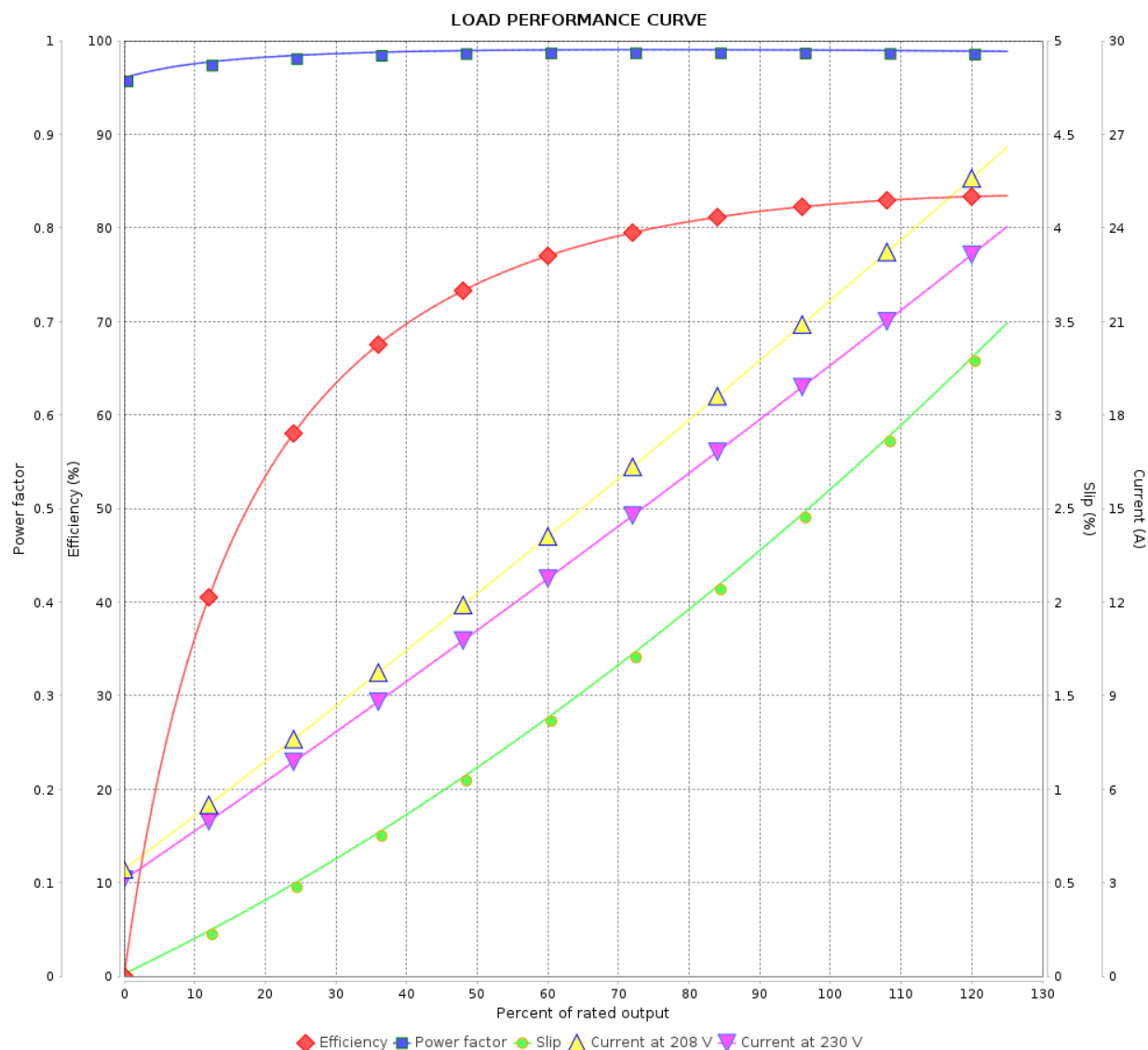
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