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 kgm²	Approx. weight[3]	: 40.9 kg
Design	: L		

Output	50%	75%	100%
Efficiency (%)	74.0	80.0	82.5
Power Factor	0.99	0.99	0.99

Foundation loads

Max. traction	: 42 kgf
Max. compression	: 83 kgf

		Drive end	Non drive end
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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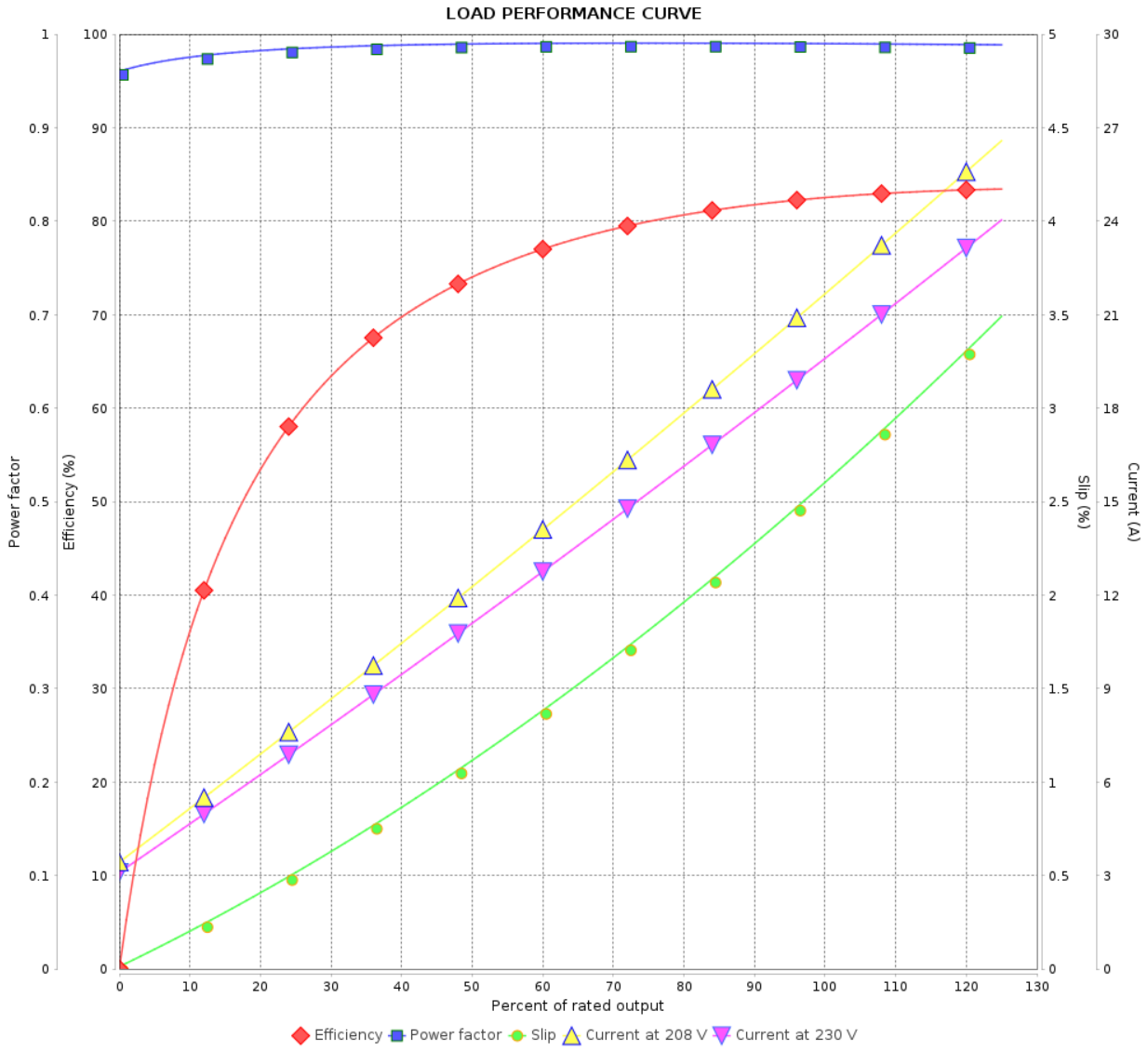
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel JM Pump Single-Phase

Product code : 18774506



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