

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 JM Pump Single-Phase

Product code : 14184349

Frame : 213/5JM
 Output : 10 HP (7.5 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 208-230/460 V
 Rated current : 41.8-38.8/19.4 A
 L. R. Amperes : 293-272/136 A
 LRC : 7.0x(Code G)
 No load current : 5.95-6.90/3.45 A
 Rated speed : 3515 rpm
 Slip : 2.36 %
 Rated torque : 2.06 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 290 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.0223 kgm²

Locked rotor time : 14s (cold) 8s (hot)
 Temperature rise : 80 K
 Duty cycle : Cont.(S1)
 Ambient temperature : -20°C to +40°C
 Altitude : 1000 m.a.s.l.
 Protection degree : IP55
 Cooling method : IC411 - TEFC
 Mounting : F-1
 Rotation¹ : Both (CW and CCW)
 Noise level² : 72.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 77.4 kg

Output	25%	50%	75%	100%
Efficiency (%)	80.8	82.0	85.5	86.5
Power Factor	0.76	0.96	0.97	0.97

Foundation loads
 Max. traction : 72 kgf
 Max. compression : 149 kgf

	Drive end	Non drive end
Bearing type	6309 ZZ C3	6206 ZZ
Sealing	V'Ring	V'Ring
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
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Date	15/01/2024			

LOAD PERFORMANCE CURVE

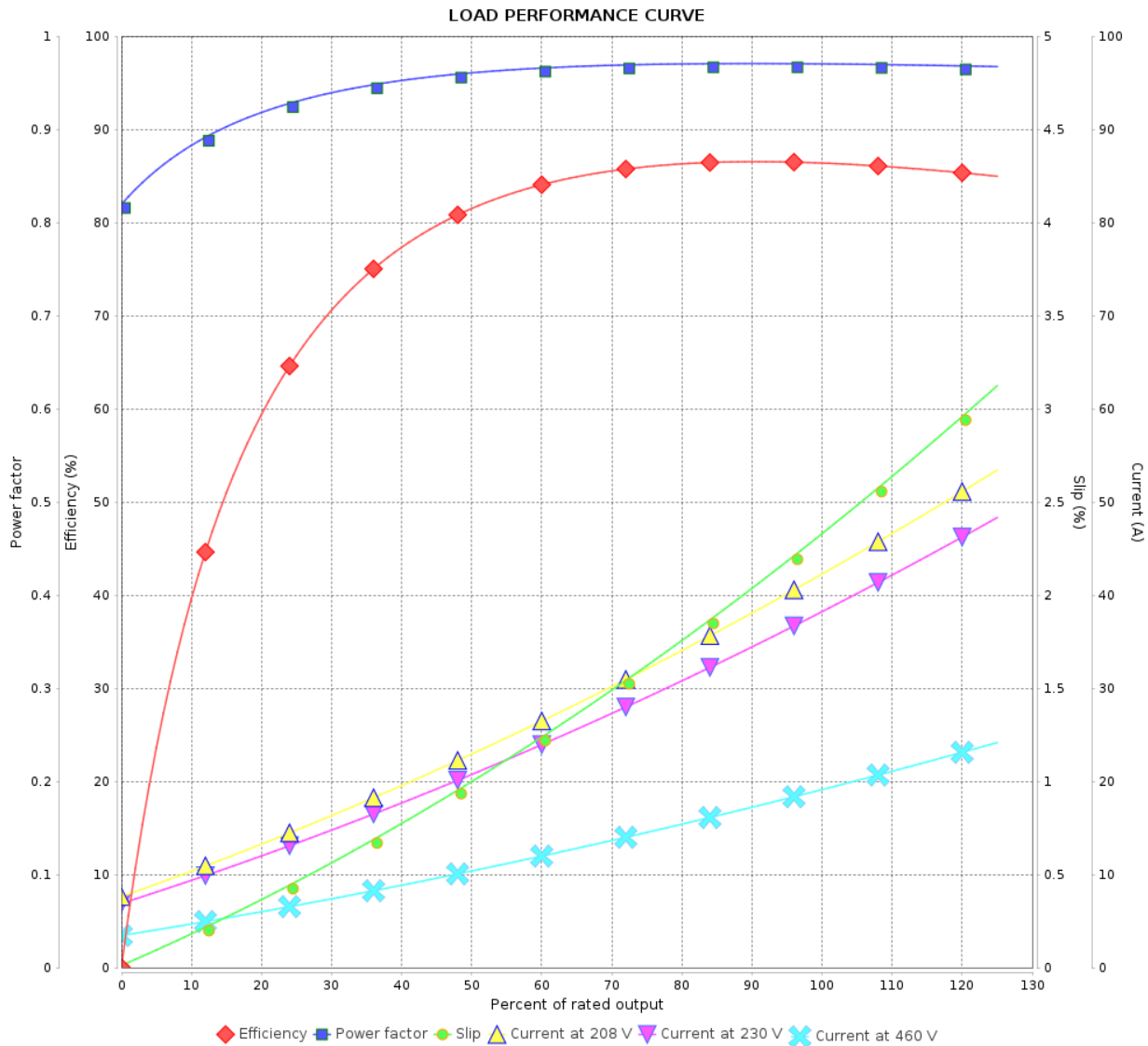
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