DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 02036OT3V254JP-W40

Product line : W40 JP Pump NEMA Premium Product code : 14486221

Efficiency Three-Phase

Catalog #: 02036OT3V254JP-W40

Frame : 254JP Locked rotor time : 21s (cold) 12s (hot)

Output: 20 HP (15 kW)Temperature rise: 80 KPoles: 2Duty cycle: Cont.(S1)Frequency: 60 HzAmbient temperature: -20°C to +40°CRated voltage: 200/400 VAltitude: 1000 m.a.s.l.

Rated current : 55.9/27.9 A Protection degree : IP23
L. R. Amperes : 352/176 A Cooling method : IC01 - ODP
LRC : 6.3x(Code G) Mounting : F-1

No load current : 19.3/9.66 A Rotation¹ : Both (CW and CCW)
Rated speed : 3535 rpm Starting method : Direct On Line

Slip : 1.81 % Approx. weight³ : 240 lb

Rated torque : 29.3 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 280 %
Insulation class : F
Service factor : 1.25

Moment of inertia (J) : 0.8718 sq.ft.lb

Design : B

25% 50% 75% 100% Output Foundation loads Efficiency (%) 90.0 90.2 91.0 91.0 Max. traction Power Factor 0.48 0.72 0.82 0.85 Max. compression

Drive endNon drive endBearing type: 6309 Z C36209 Z C3Sealing: Without Bearing SealWithout Bearing SealLubrication interval: 20000 h20000 h

Lubricant amount : 13 g 9 g

Lubricant type : Mobil Polyrex EM

Notes

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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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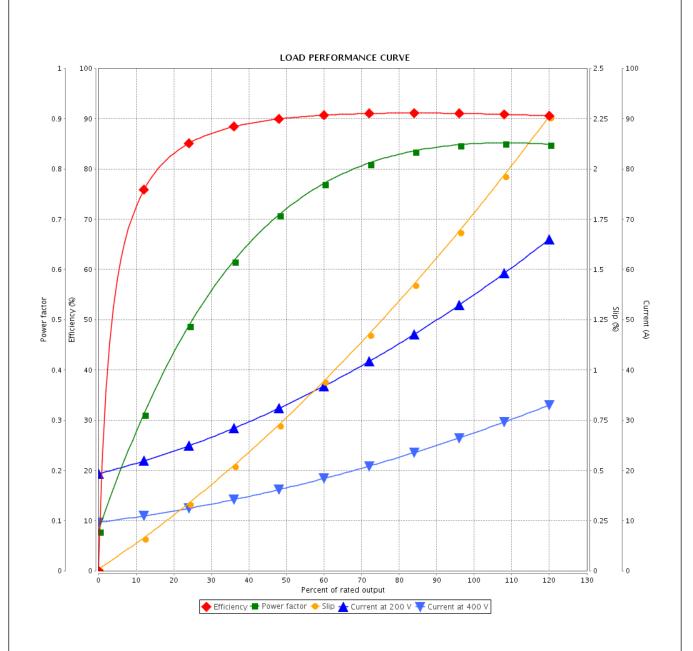
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Performance		: 200/400 V 60 Hz 2P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		5.9/27.9 A 3 9.3 ft.lb 00 % 30 % 535 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.8718 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B				
Rev.	Changes Summary			Performed	Checked	Date			
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Date

