DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 14836779

Product line : W40 JP Pump NEMA Premium Product code : 14836779

Efficiency Three-Phase

Catalog #: 03036OT3V284JPV-W40

Frame : 284/6JP Locked rotor time : 18s (cold) 10s (hot)

Output : 30 HP (22 kW) Temperature rise : 80 K Poles : 2 Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 200/400 V : 1000 m.a.s.l. Altitude Rated current : 80.5/40.2 A Protection degree : IP23

L. R. Amperes : 507/254 A Cooling method : IC01 - ODP LRC : 6.3x(Code G) Mounting : W-6

No load current: 29.7/14.8 ARotation¹: Both (CW and CCW)Rated speed: 3545 rpmNoise level²: 73.0 dB(A)Slip: 1.53 %Starting method: Direct On LineRated torque: 43.8 ft.lbApprox. weight³: 324 lb

Rated torque : 43.8 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 280 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 1.59 sq.ft.lb

Design : B

25% 50% 75% 100% Output Foundation loads 91.7 Efficiency (%) 90.0 90.2 91.7 Max. traction Power Factor 0.47 0.73 0.82 0.86 Max. compression

Lubricant amount : 18 g 11 g

Lubricant type : Mobil Polyrex EM

Notes

downloaded from http://dealerselectric.com

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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Date	16/04/2019			1/2	

LOAD PERFORMANCE CURVE

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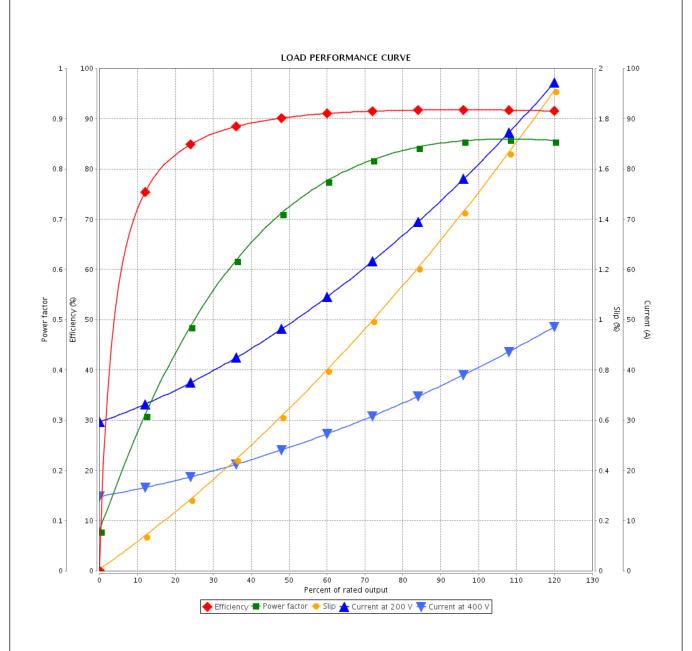
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2/2



Performance	: 200/400 V 60 Hz 2P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 80.5/40.2 A : 6.3 : 43.8 ft.lb : 180 % : 280 % : 3545 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.59 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	: Cont.(S1) : F : 1.25 : 80 K	
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