DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 10036OT3G365JP-W40

Product line : W40 JP Pump NEMA Premium Product code :

Efficiency Three-Phase

Catalog #: 10036OT3G365JP-W40

14270486

Frame : 364/5JP Locked rotor time : 23s (cold) 13s (hot)

Output : 100 HP (75 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 460 V : 1000 m.a.s.l. Altitude Rated current : 116 A Protection degree : IP23

L. R. Amperes : 766 A Cooling method : IC01 - ODP LRC : 6.6x(Code G) Mounting : F-1

No load current : 29.5 A Rotation¹ : Both (CW and CCW)
Rated speed : 3555 rpm Noise level² : 84.0 dB(A)

Slip : 1.25 % Noise level* : 84.0 dB(A) Starting method : Direct On Line

Rated torque : 146 ft.lb Approx. weight³ : 774 lb

Locked rotor torque : 180 %

Breakdown torque : 229 %

Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 7.20 sq.ft.lb

 Design
 : B

 Output
 25%
 50%
 75%
 100%
 Foundation loads

 Efficiency (%)
 92.2
 92.4
 93.6
 93.6
 Max. traction
 : 1068 lb

 Power Factor
 0.55
 0.77
 0.84
 0.87
 Max. compression
 : 1843 lb

Drive end
Bearing typeNon drive end
6314 C3Non drive end
6212 Z C3Sealing: Without Bearing SealWithout Bearing Seal

Lubrication interval : 14418 h 20000 h Lubricant amount : 27 g 13 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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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Revision

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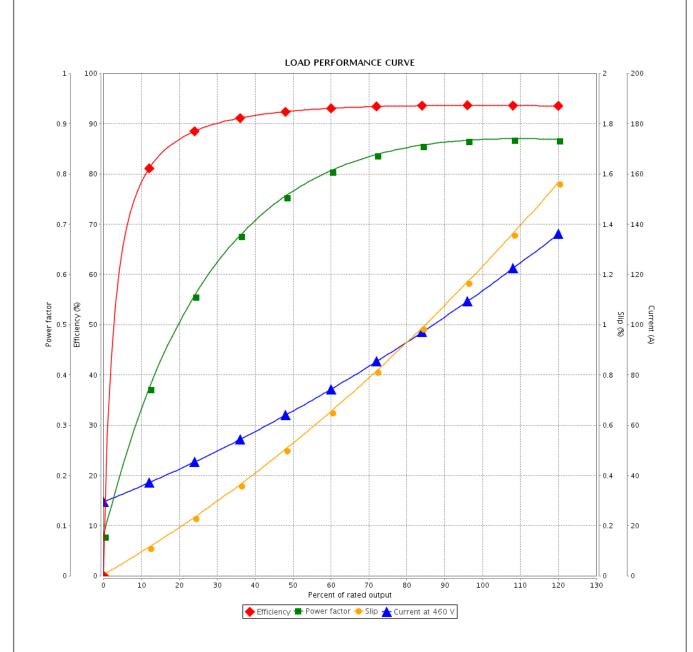
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Efficiency Three-Phase

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Performance	: 4	60 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6 : 1 jue : 1 ie : 2	16 A 5.6 46 ft.lb 80 % 229 % 5555 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 7.20 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary			Performed	Checked	Date
Performed by					·	

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Date

15/04/2019

