



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Frame : 284JP
 Output : 30 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3540 rpm
 Slip : 1.67 %
 Voltage : 230/460 V
 Rated current : 69.0/34.5 A
 Locked rotor current : 428/214 A
 Locked rotor current (I_L/I_n) : 6.2
 No-load current : 18.2/9.10 A
 Full load torque : 43.9 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 270 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 12 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP23
 Approximate weight : 333 lb
 Moment of inertia : 1.6836 sq.ft.lb
 Noise level : 72 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|-----------|-----------|------|--------------|----------------|
| Bearings | 6311 Z-C3 | 6211 Z-C3 | 100% | 0.88 | 91.0 |
| Regreasing interval | 20000 h | 20000 h | 75% | 0.86 | 91.0 |
| Grease amount | 18 g | 11 g | 50% | 0.80 | 91.0 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #03036OP3E284JP

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