



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Fire Pump: Three Phase - W01 (Rolled Steel) - ODP - High Efficiency

Frame : 254/6T
 Output : 20 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1755 rpm
 Slip : 2.50 %
 Voltage : 208-230/460 V
 Rated current : 56.4-51.0/25.5 A
 Locked rotor current : 281/140 A
 Locked rotor current (I_L/I_n) : 5.5
 No-load current : 23.0/11.5 A
 Full load torque : 59.0 lb.ft
 Locked rotor torque : 190 %
 Breakdown torque : 220 %
 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 : ODP
 Approximate weight : 166 lb
 Moment of inertia : 1.2819 sq.ft.lb
 Noise level : 64 dB(A)

| | D.E. | N.D.E. |
|---------------------|-----------|-----------|
| Bearings | 6309 Z-C3 | 6208 Z-C3 |
| Regreasing interval | 20000 h | 20000 h |
| Grease amount | 13 g | 8 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.81 | 91.0 |
| 75% | 0.78 | 91.0 |
| 50% | 0.67 | 91.0 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #02018OP3EFP256T-S

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