



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase: W22 Crusher Duty TEFC (IP55)

Frame : 445/7T
 Output : 250 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1785 rpm
 Slip : 0.83 %
 Voltage : 460 V
 Rated current : 285 A
 Locked rotor current : 2280 A
 Locked rotor current (I_L/I_n) : 8.0
 No-load current : 100 A
 Full load torque : 726 lb.ft
 Locked rotor torque : 280 %
 Breakdown torque : 290 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 15 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 2227 lb
 Moment of inertia : 89.555 sq.ft.lb
 Noise level : 73 dB(A)

| | D.E. | N.D.E. |
|---------------------|-----------|---------|
| Bearings | NU-319 C3 | 6316 C3 |
| Regreasing interval | 5000 h | 10000 h |
| Grease amount | 45 g | 34 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.85 | 95.8 |
| 75% | 0.82 | 95.4 |
| 50% | 0.73 | 95.0 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #25018EP3GKD447T-W22

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