



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W22 Brake Motor - NEMA Premium Efficiency

Frame : 182/4T
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 875 rpm
 Slip : 2.78 %
 Voltage : 208-230/460 V
 Rated current : 5.09-4.60/2.30 A
 Locked rotor current : 27.6/13.8 A
 Locked rotor current (I_L/I_n) : 6.0
 No-load current : 3.40/1.70 A
 Full load torque : 5.92 lb.ft
 Locked rotor torque : 300 %
 Breakdown torque : 350 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 22 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 108 lb
 Moment of inertia : 0.39914 sq.ft.lb
 Noise level : 50 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6207 ZZ | 6206 ZZ |
| Regreasing interval | --- | --- |
| Grease amount | --- | --- |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.52 | 78.5 |
| 75% | 0.42 | 77.0 |
| 50% | 0.32 | 74.0 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00109ET3EBM182T-W22

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