



## Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

### DATA SHEET

#### Three-phase induction motor - Squirrel cage rotor

Customer :  
Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame : 182/4T  
Output : 1.5 HP  
Frequency : 60 Hz  
Poles : 8  
Full load speed : 860 rpm  
Slip : 4.44 %  
Voltage : 460 V  
Rated current : 2.70 A  
Locked rotor current : 14.9 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.5  
No-load current : 1.81 A  
Full load torque : 9.04 lb.ft  
Locked rotor torque : 250 %  
Breakdown torque : 260 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 17 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 111 lb  
Moment of inertia : 0.57664 sq.ft.lb  
Noise level : 50 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6207 C3 | 6206 C3 |
| Regreasing interval | 20000 h | 20000 h |
| Grease amount       | 7 g     | 5 g     |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.62         | 82.5           |
| 75%  | 0.54         | 82.5           |
| 50%  | 0.43         | 80.0           |

#### Notes:

Downloaded from <http://dealerselectric.com>  
Generated for Model #00159ST3QIE184T-W22

Performed by

Checked