



No.:

Date: 10-NOV-2017

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 - Cast Iron Frame - Premium Efficiency - IE3

Frame : 80
Output : 0.75 kW
Frequency : 50 Hz
Poles : 4
Full load speed : 1420 rpm
Slip : 5.33 %
Voltage : 230/400 V
Rated current : 2.82/1.62 A
Locked rotor current : 18.9/10.9 A
Locked rotor current (I_L/I_n) : 6.7
No-load current : 1.57/0.900 A
Full load torque : 5.05 Nm
Locked rotor torque : 300 %
Breakdown torque : 330 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 18 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 16 kg
Moment of inertia : 0.00323 kgm²
Noise level : 44 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings | 6204 ZZ | 6203 ZZ | 100% | 0.81 | 82.5 |
| Regreasing interval | --- | --- | 75% | 0.72 | 82.0 |
| Grease amount | --- | --- | 50% | 0.59 | 80.0 |

Notes:

Efficiencies according to the indirect method of IEC 60034-2-1:2007 with stray load losses determined from measurement.

Performed by

Checked