



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W22 NEMA Premium - Ball Bearings

Frame : 143/5T
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3480 rpm
 Slip : 3.33 %
 Voltage : 208-230/460 V
 Rated current : 3.16-2.88/1.44 A
 Locked rotor current : 23.6/11.8 A
 Locked rotor current (I_L/I_n) : 8.2
 No-load current : 1.30/0.650 A
 Full load torque : 1.49 lb.ft
 Locked rotor torque : 280 %
 Breakdown torque : 340 %
 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 : 36 lb
 Moment of inertia : 0.03322 sq.ft.lb
 Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6205 ZZ	6204 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.80	81.5
75%	0.74	79.0
50%	0.63	75.0

Notes:
 Downloaded from <http://dealerselectric.com>
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