



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : IEC Tru-Metric - TEFC (IP55) - Aluminum Frame

Frame : 80
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1730 rpm
 Slip : 3.89 %
 Voltage : 460 V
 Rated current : 1.41 A
 Locked rotor current : 10.4 A
 Locked rotor current (I_L/I_n) : 7.4
 No-load current : 0.900 A
 Full load torque : 2.99 lb.ft
 Locked rotor torque : 310 %
 Breakdown torque : 320 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 8 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 35 lb
 Moment of inertia : 0.09017 sq.ft.lb
 Noise level : 48 dB(A)

	D.E.	N.D.E.
Bearings	6204 ZZ	6203 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.81	82.5
75%	0.74	82.5
50%	0.61	80.0

Notes:
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