



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 : 2
 Full load speed : 3400 rpm
 Slip : 5.56 %
 Voltage : 230/460 V
 Rated current : 2.84/1.42 A
 Locked rotor current : 17.0/8.52 A
 Locked rotor current (I_L/I_n) : 6.0
 No-load current : 1.20/0.600 A
 Full load torque : 1.52 lb.ft
 Locked rotor torque : 290 %
 Breakdown torque : 310 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 18 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 25 lb
 Moment of inertia : 0.01875 sq.ft.lb
 Noise level : 62 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.84	79.0
75%	0.79	79.0
50%	0.69	76.0

Notes:
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