



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 286T
Output : 30 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1770 rpm
Slip : 1.67 %
Voltage : 575 V
Rated current : 28.8 A
Locked rotor current : 236 A
Locked rotor current (I_L/I_n) : 8.2
No-load current : 12.8 A
Full load torque : 87.8 lb.ft
Locked rotor torque : 300 %
Breakdown torque : 300 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 17 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 512 lb
Moment of inertia : 5.1620 sq.ft.lb
Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6311 2RS-C3	6211 2RS-C3
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.82	93.6
75%	0.77	93.6
50%	0.66	93.0

Notes:

Downloaded from <http://dealerselectric.com>
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