



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 : 286TS
Output : 30 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3545 rpm
Slip : 1.53 %
Voltage : 208-230/460 V
Rated current : 74.5-67.4/33.7 A
Locked rotor current : 519/259 A
Locked rotor current (I_L/I_n) : 7.7
No-load current : 19.6/9.80 A
Full load torque : 43.8 lb.ft
Locked rotor torque : 260 %
Breakdown torque : 300 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 14 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 529 lb
Moment of inertia : 3.0785 sq.ft.lb
Noise level : 75 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.88	93.0
75%	0.86	93.0
50%	0.78	92.4

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