



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 : 20 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1180 rpm
Slip : 1.67 %
Voltage : 208-230/460 V
Rated current : 53.5-48.4/24.2 A
Locked rotor current : 348/174 A
Locked rotor current (I_L/I_N) : 7.2
No-load current : 17.6/8.80 A
Full load torque : 87.8 lb.ft
Locked rotor torque : 250 %
Breakdown torque : 270 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 22 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 501 lb
Moment of inertia : 8.0231 sq.ft.lb
Noise level : 59 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.85	91.7
75%	0.80	91.7
50%	0.70	91.7

Notes:

Downloaded from <http://dealerselectric.com>
Generated for Model #02012XT3E286T

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