



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 Super Premium

Frame : 284/6T
Output : 20 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1180 rpm
Slip : 1.67 %
Voltage : 208-230/460 V
Rated current : 54.0-48.8/24.4 A
Locked rotor current : 361/181 A
Locked rotor current (I_L/I_n) : 7.4
No-load current : 22.0/11.0 A
Full load torque : 87.8 lb.ft
Locked rotor torque : 270 %
Breakdown torque : 300 %
Design : A
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 20 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 474 lb
Moment of inertia : 9.2889 sq.ft.lb
Noise level : 59 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6211 C3
Regreasing interval	20000 h	20000 h
Grease amount	18 g	11 g

Load	Power factor	Efficiency (%)
100%	0.83	93.0
75%	0.78	92.4
50%	0.67	91.7

Notes:

Downloaded from <http://dealersselectric.com>
Generated for Model #02012EG3E286T-W22

Performed by

Checked