



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame : 284/6T
Output : 20 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1175 rpm
Slip : 2.08 %
Voltage : 460 V
Rated current : 24.2 A
Locked rotor current : 143 A
Locked rotor current (I_L/I_n) : 5.9
No-load current : 8.30 A
Full load torque : 88.2 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 250 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 16 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 426 lb
Moment of inertia : 9.1624 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%	0.85	91.7
75%	0.80	91.7
50%	0.70	91.0

Notes:

Downloaded from <http://dealerselectric.com>
Generated for Model #02012ST3QIE286TC-W22

Performed by

Checked