



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.	Load	Power factor	Efficiency (%)
Bearings	6311 C3	6211 C3	100%	0.85	91.7
Regreasing interval	20000 h	20000 h	75%	0.80	91.7
Grease amount	18 g	11 g	50%	0.70	91.0

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #02012ST3QIE286T-W22

Performed by

Checked