



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 : 364/5T
 Output : 50 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1180 rpm
 Slip : 1.67 %
 Voltage : 460 V
 Rated current : 57.4 A
 Locked rotor current : 367 A
 Locked rotor current (I_L/I_n) : 6.4
 No-load current : 20.0 A
 Full load torque : 220 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 240 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 18 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 869 lb
 Moment of inertia : 32.391 sq.ft.lb
 Noise level : 66 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	17000 h	17000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.86	94.1
75%	0.83	94.1
50%	0.74	93.6

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #05012ST3QIE365T-W22

Performed by

Checked