



Dealers Industrial Equipment

No.:

Date: 12-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 : 143/5T
 Output : 2 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1750 rpm
 Slip : 2.78 %
 Voltage : 575 V
 Rated current : 2.21 A
 Locked rotor current : 17.7 A
 Locked rotor current (I_L/I_n) : 8.0
 No-load current : 1.20 A
 Full load torque : 5.92 lb.ft
 Locked rotor torque : 270 %
 Breakdown torque : 320 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 11 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 51 lb
 Moment of inertia : 0.15614 sq.ft.lb
 Noise level : 51 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6205 C3	6204 C3	100%	0.79	86.5
Regreasing interval	20000 h	20000 h	75%	0.70	86.5
Grease amount	4 g	4 g	50%	0.57	85.5

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00218ST3HIE145T-W22

Performed by

Checked