



Dealers Industrial Equipment

No.:

Date: 28-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 : 444/5TS
 Output : 125 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3570 rpm
 Slip : 0.83 %
 Voltage : 460 V
 Rated current : 134 A
 Locked rotor current : 884 A
 Locked rotor current (I_L/I_n) : 6.6
 No-load current : 34.0 A
 Full load torque : 181 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 250 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 29 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1599 lb
 Moment of inertia : 33.508 sq.ft.lb
 Noise level : 81 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6314 C3	6314 C3	100%	0.89	95.0
Regreasing interval	4000 h	4000 h	75%	0.87	94.5
Grease amount	27 g	27 g	50%	0.82	93.6

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #12536ST3QIE444TS-W22

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