



Dealers Industrial Equipment

No.:

Date: 27-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 : 444/5T
 Output : 75 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 890 rpm
 Slip : 1.11 %
 Voltage : 460 V
 Rated current : 93.0 A
 Locked rotor current : 558 A
 Locked rotor current (I_L/I_n) : 6.0
 No-load current : 40.0 A
 Full load torque : 437 lb.ft
 Locked rotor torque : 180 %
 Breakdown torque : 210 %
 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 : 1444 lb
 Moment of inertia : 73.625 sq.ft.lb
 Noise level : 63 dB(A)

	D.E.	N.D.E.
Bearings	6319 C3	6316 C3
Regreasing interval	17000 h	20000 h
Grease amount	45 g	34 g

Load	Power factor	Efficiency (%)
100%	0.79	93.6
75%	0.74	93.6
50%	0.64	93.0

Notes:

Downloaded from <http://dealerselectric.com>
 Generated for Model #07509ST3QIE444T-W22

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