



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W22 Oil Well Pumping : High Slip - NEMA Design "D" - TEFC (IP55)

Frame : 444/5T
 Output : 75 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1135 rpm
 Slip : 5.42 %
 Voltage : 208-230/460 V
 Rated current : 200-184/91.8 A
 Locked rotor current : 1080/542 A
 Locked rotor current (I_L/I_n) : 5.9
 No-load current : 80.0/40.0 A
 Full load torque : 342 lb.ft
 Locked rotor torque : 280 %
 Breakdown torque : 0 %
 Design : D
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 23 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1566 lb
 Moment of inertia : 71.961 sq.ft.lb
 Noise level : 69 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	NU-319 C3	6316 C3	100%	0.84	89.5
Regreasing interval	9000 h	16000 h	75%	0.77	88.5
Grease amount	45 g	34 g	50%	0.67	87.5

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #07512ES3EOW444T-W22

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