



Dealers Industrial Equipment

No.:

Date: 23-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 : 404/5T
 Output : 50 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1120 rpm
 Slip : 6.67 %
 Voltage : 208-230/460 V
 Rated current : 134-118/59.2 A
 Locked rotor current : 722/361 A
 Locked rotor current (I_L/I_n) : 6.1
 No-load current : 33.0/16.5 A
 Full load torque : 231 lb.ft
 Locked rotor torque : 300 %
 Breakdown torque : 0 %
 Design : D
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 25 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1036 lb
 Moment of inertia : 36.025 sq.ft.lb
 Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	NU-316 C3	6314 C3
Regreasing interval	12000 h	17000 h
Grease amount	34 g	27 g

Load	Power factor	Efficiency (%)
100%	0.89	88.1
75%	0.87	87.5
50%	0.80	86.5

Notes:
 Downloaded from <http://dealerselectric.com>
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