



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 : 324/6T
 Output : 20 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 840 rpm
 Slip : 6.67 %
 Voltage : 208-230/460 V
 Rated current : 59.4-59.6/29.8 A
 Locked rotor current : 292/146 A
 Locked rotor current (I_L/I_n) : 4.9
 No-load current : 32.0/16.0 A
 Full load torque : 123 lb.ft
 Locked rotor torque : 280 %
 Breakdown torque : 0 %
 Design : D
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 18 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 569 lb
 Moment of inertia : 11.726 sq.ft.lb
 Noise level : 56 dB(A)

	D.E.	N.D.E.
Bearings	6312 C3	6212 C3
Regreasing interval	20000 h	20000 h
Grease amount	21 g	13 g

Load	Power factor	Efficiency (%)
100%	0.74	85.5
75%	0.67	86.5
50%	0.54	85.5

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