



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 445T
 Output : 100 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1130 rpm
 Slip : 5.83 %
 Voltage : 208-230/460 V
 Rated current : 265-240/120 A
 Locked rotor current : 1630/816 A
 Locked rotor current (I_L/I_n) : 6.8
 No-load current : 90.0/45.0 A
 Full load torque : 458 lb.ft
 Locked rotor torque : 300 %
 Breakdown torque : 0 %
 Design : D
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 26 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1897 lb
 Moment of inertia : 103.62 sq.ft.lb
 Noise level : 70 dB(A)

	D.E.	N.D.E.
Bearings	NU-319 C3	6316 C3
Regreasing interval	7683 h	12823 h
Grease amount	45 g	34 g

Load	Power factor	Efficiency (%)
100%	0.87	90.2
75%	0.85	89.5
50%	0.75	88.5

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