



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" - ODP

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 : 281-254/127 A
 Locked rotor current : 1450/724 A
 Locked rotor current (I_L/I_n) : 5.7
 No-load current : 112/56.0 A
 Full load torque : 458 lb.ft
 Locked rotor torque : 280 %
 Breakdown torque : 0 %
 Design : D
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 44 s (hot)
 Service factor : 1.00
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP23
 Approximate weight : 1742 lb
 Moment of inertia : 81.806 sq.ft.lb
 Noise level : 77 dB(A)

	D.E.	N.D.E.
Bearings	NU-319 C3	6316 C3
Regreasing interval	20000 h	20000 h
Grease amount	45 g	34 g

Load	Power factor	Efficiency (%)
100%	0.82	90.2
75%	0.75	90.0
50%	0.64	89.7

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