



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 : 75 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1130 rpm
 Slip : 5.83 %
 Voltage : 208-230/460 V
 Rated current : 213-193/96.4 A
 Locked rotor current : 1080/540 A
 Locked rotor current (I_L/I_n) : 5.6
 No-load current : 81.0/40.5 A
 Full load torque : 344 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 : 1342 lb
 Moment of inertia : 57.264 sq.ft.lb
 Noise level : 69 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%	0.80	89.5
75%	0.73	89.5
50%	0.60	88.9

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #07512OS3EOW445T

Performed by

Checked