



Dealers Industrial Equipment

No.:

Date: 13-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 : 286T
 Output : 10 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 830 rpm
 Slip : 7.78 %
 Voltage : 208-230/460 V
 Rated current : 30.7-27.8/13.9 A
 Locked rotor current : 161/80.6 A
 Locked rotor current (I_L/I_n) : 5.8
 No-load current : 9.00/4.50 A
 Full load torque : 62.4 lb.ft
 Locked rotor torque : 320 %
 Breakdown torque : 0 %
 Design : D
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 28 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 382 lb
 Moment of inertia : 6.2173 sq.ft.lb
 Noise level : 54 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6211 C3
Regreasing interval	20000 h	20000 h
Grease amount	18 g	11 g

Load	Power factor	Efficiency (%)
100%	0.82	82.5
75%	0.80	83.0
50%	0.70	82.5

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