



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" - ODP

Frame : 254T
Output : 7.5 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1115 rpm
Slip : 7.08 %
Voltage : 208-230/460 V
Rated current : 21.3-19.3/9.63 A
Locked rotor current : 116/57.8 A
Locked rotor current (I_L/I_N) : 6.0
No-load current : 6.00/3.00 A
Full load torque : 34.8 lb.ft
Locked rotor torque : 320 %
Breakdown torque : 0 %
Design : D
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 11 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP23
Approximate weight : 221 lb
Moment of inertia : 2.3858 sq.ft.lb
Noise level : 56 dB(A)

	D.E.	N.D.E.
Bearings	6309 Z-C3	6209 Z-C3
Regreasing interval	20000 h	20000 h
Grease amount	13 g	9 g

Load	Power factor	Efficiency (%)
100%	0.88	81.5
75%	0.84	81.5
50%	0.76	80.0

Notes:

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