



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame : 444/5TS
Output : 150 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3570 rpm
Slip : 0.83 %
Voltage : 460 V
Rated current : 161 A
Locked rotor current : 1050 A
Locked rotor current (I_L/I_n) : 6.5
No-load current : 41.0 A
Full load torque : 218 lb.ft
Locked rotor torque : 180 %
Breakdown torque : 240 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 22 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 1709 lb
Moment of inertia : 39.092 sq.ft.lb
Noise level : 81 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	4000 h	4000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.90	95.0
75%	0.88	95.0
50%	0.83	94.1

Notes:

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