



Dealers Industrial Equipment

No.:

Date: 13-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 : 182/4T
 Output : 5 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3500 rpm
 Slip : 2.78 %
 Voltage : 460 V
 Rated current : 5.90 A
 Locked rotor current : 44.8 A
 Locked rotor current (I_L/I_n) : 7.6
 No-load current : 2.20 A
 Full load torque : 7.40 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 350 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 25 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 88 lb
 Moment of inertia : 0.22330 sq.ft.lb
 Noise level : 69 dB(A)

	D.E.	N.D.E.
Bearings	6207 C3	6206 C3
Regreasing interval	20000 h	20000 h
Grease amount	7 g	5 g

Load	Power factor	Efficiency (%)
100%	0.89	88.5
75%	0.85	88.5
50%	0.76	86.5

Notes:

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