



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 : 3 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3515 rpm
Slip : 2.36 %
Voltage : 460 V
Rated current : 3.63 A
Locked rotor current : 31.2 A
Locked rotor current (I_L/I_n) : 8.6
No-load current : 1.30 A
Full load torque : 4.42 lb.ft
Locked rotor torque : 250 %
Breakdown torque : 380 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 41 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 : 0.18889 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%	0.88	86.5
75%	0.84	86.5
50%	0.75	82.5

Notes:

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