



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 : 4
Full load speed : 1755 rpm
Slip : 2.50 %
Voltage : 460 V
Rated current : 6.45 A
Locked rotor current : 48.4 A
Locked rotor current (I_L/I_n) : 7.5
No-load current : 3.20 A
Full load torque : 14.8 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 320 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 15 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 95 lb
Moment of inertia : 0.40033 sq.ft.lb
Noise level : 56 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%	0.80	89.5
75%	0.74	89.5
50%	0.62	88.5

Notes:

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