



Dealers Industrial Equipment

No.:

Date: 23-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 : 364/5T
Output : 40 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1185 rpm
Slip : 1.25 %
Voltage : 575 V
Rated current : 37.2 A
Locked rotor current : 238 A
Locked rotor current (I_L/I_n) : 6.4
No-load current : 13.6 A
Full load torque : 175 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 240 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 21 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 833 lb
Moment of inertia : 29.040 sq.ft.lb
Noise level : 66 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	17000 h	17000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.86	94.1
75%	0.82	93.6
50%	0.73	93.6

Notes:

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