



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 : 284/6TS
 Output : 30 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3535 rpm
 Slip : 1.81 %
 Voltage : 460 V
 Rated current : 33.8 A
 Locked rotor current : 213 A
 Locked rotor current (I_L/I_n) : 6.3
 No-load current : 8.50 A
 Full load torque : 44.0 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 250 %
 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 : 392 lb
 Moment of inertia : 3.3671 sq.ft.lb
 Noise level : 72 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6211 C3
Regreasing interval	14000 h	17000 h
Grease amount	18 g	11 g

Load	Power factor	Efficiency (%)
100%	0.89	91.7
75%	0.87	91.7
50%	0.82	91.7

Notes:
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