



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 : 324/6TS
Output : 40 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3555 rpm
Slip : 1.25 %
Voltage : 460 V
Rated current : 45.8 A
Locked rotor current : 289 A
Locked rotor current (I_L/I_n) : 6.3
No-load current : 11.0 A
Full load torque : 58.3 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 240 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 22 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 547 lb
Moment of inertia : 4.8955 sq.ft.lb
Noise level : 78 dB(A)

	D.E.	N.D.E.
Bearings	6312 C3	6212 C3
Regreasing interval	12000 h	15000 h
Grease amount	21 g	13 g

Load	Power factor	Efficiency (%)
100%	0.89	92.4
75%	0.87	92.4
50%	0.82	91.7

Notes:

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