



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 : 324/6T
Output : 40 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1770 rpm
Slip : 1.67 %
Voltage : 460 V
Rated current : 47.1 A
Locked rotor current : 287 A
Locked rotor current (I_L/I_n) : 6.1
No-load current : 16.0 A
Full load torque : 117 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 240 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 20 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 492 lb
Moment of inertia : 9.1624 sq.ft.lb
Noise level : 66 dB(A)

	D.E.	N.D.E.
Bearings	6312 C3	6212 C3
Regreasing interval	20000 h	20000 h
Grease amount	21 g	13 g

Load	Power factor	Efficiency (%)
100%	0.85	94.1
75%	0.80	94.1
50%	0.72	93.6

Notes:

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