



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 High Efficiency

Frame : 444/5T
Output : 100 HP
Frequency : 60 Hz
Poles : 8
Full load speed : 885 rpm
Slip : 1.67 %
Voltage : 460 V
Rated current : 127 A
Locked rotor current : 724 A
Locked rotor current (I_L/I_n) : 5.7
No-load current : 48.0 A
Full load torque : 585 lb.ft
Locked rotor torque : 180 %
Breakdown torque : 200 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 18 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 1599 lb
Moment of inertia : 87.260 sq.ft.lb
Noise level : 63 dB(A)

	D.E.	N.D.E.
Bearings	6319 C3	6316 C3
Regreasing interval	17000 h	20000 h
Grease amount	45 g	34 g

Load	Power factor	Efficiency (%)
100%	0.80	93.0
75%	0.76	93.6
50%	0.67	93.0

Notes:
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