



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 Brake Motor - NEMA Premium Efficiency

Frame : 254/6T
Output : 20 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3520 rpm
Slip : 2.22 %
Voltage : 208-230/460 V
Rated current : 51.3-46.4/23.2 A
Locked rotor current : 283/142 A
Locked rotor current (I_L/I_n) : 6.1
No-load current : 13.0/6.50 A
Full load torque : 29.4 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 : 311 lb
Moment of inertia : 1.5356 sq.ft.lb
Noise level : 72 dB(A)

	D.E.	N.D.E.
Bearings	6309 C3	6209 C3
Regreasing interval	19000 h	20000 h
Grease amount	13 g	9 g

Load	Power factor	Efficiency (%)
100%	0.89	91.0
75%	0.87	91.7
50%	0.82	91.0

Notes:

Downloaded from <http://dealerselectric.com>
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