



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 254/6T
 Output : 5 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 880 rpm
 Slip : 2.22 %
 Voltage : 208-230/460 V
 Rated current : 16.8-15.2/7.58 A
 Locked rotor current : 80.3/40.2 A
 Locked rotor current (I_L/I_n) : 5.3
 No-load current : 9.00/4.50 A
 Full load torque : 29.4 lb.ft
 Locked rotor torque : 190 %
 Breakdown torque : 250 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 44 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 300 lb
 Moment of inertia : 3.4086 sq.ft.lb
 Noise level : 54 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.70	87.5
75%	0.62	87.5
50%	0.49	85.5

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00509ET3EBM254T-W22

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