



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Brake Motors : Three-Phase - High Efficiency

Frame : 254T
Output : 7.5 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1170 rpm
Slip : 2.50 %
Voltage : 230/460 V
Rated current : 19.0/9.52 A
Locked rotor current : 129/64.7 A
Locked rotor current (I_L/I_n) : 6.8
No-load current : 9.76/4.88 A
Full load torque : 33.2 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 310 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 29 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 262 lb
Moment of inertia : 2.5564 sq.ft.lb
Noise level : 59 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.81	89.5
75%	0.74	89.5
50%	0.62	88.5

Notes:
Downloaded from <http://dealerselectric.com>
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