



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : Explosion Proof - High Efficiency

Frame : 445T
Output : 100 HP
Frequency : 60 Hz
Poles : 8
Full load speed : 890 rpm
Slip : 1.11 %
Voltage : 208-230/460 V
Rated current : 273-247/123 A
Locked rotor current : 1510/753 A
Locked rotor current (I_L/I_n) : 6.1
No-load current : 90.0/45.0 A
Full load torque : 582 lb.ft
Locked rotor torque : 170 %
Breakdown torque : 200 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 29 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP54
Approximate weight : 2054 lb
Moment of inertia : 87.260 sq.ft.lb
Noise level : 64 dB(A)

	D.E.	N.D.E.
Bearings	6219 C3	6316 C3
Regreasing interval	15247 h	15904 h
Grease amount	27 g	34 g

Load	Power factor	Efficiency (%)
100%	0.82	93.0
75%	0.79	93.0
50%	0.71	92.4

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