



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 404/5T
 Output : 50 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 885 rpm
 Slip : 1.67 %
 Voltage : 208-230/460 V
 Rated current : 150-136/68.0 A
 Locked rotor current : 993/496 A
 Locked rotor current (I_L/I_n) : 7.3
 No-load current : 55.0/27.5 A
 Full load torque : 293 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 210 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 12 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1257 lb
 Moment of inertia : 34.625 sq.ft.lb
 Noise level : 62 dB(A)

	D.E.	N.D.E.
Bearings	6217 C3	6314 C3
Regreasing interval	16602 h	17353 h
Grease amount	21 g	27 g

Load	Power factor	Efficiency (%)
100%	0.73	93.6
75%	0.73	93.0
50%	0.67	92.4

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