



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame : 404/5T
 Output : 60 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1185 rpm
 Slip : 1.25 %
 Voltage : 208-230/460 V
 Rated current : 157-141/70.3 A
 Locked rotor current : 914/457 A
 Locked rotor current (I_L/I_n) : 6.5
 No-load current : 50.0/25.0 A
 Full load torque : 262 lb.ft
 Locked rotor torque : 210 %
 Breakdown torque : 250 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 16 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP23
 Approximate weight : 915 lb
 Moment of inertia : 30.157 sq.ft.lb
 Noise level : 69 dB(A)

	D.E.	N.D.E.
Bearings	6316 C3	6314 C3
Regreasing interval	20000 h	20000 h
Grease amount	34 g	27 g

Load	Power factor	Efficiency (%)
100%	0.85	94.5
75%	0.82	94.5
50%	0.73	94.1

Notes:
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