



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Frame : 404/5JP
 Output : 100 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1775 rpm
 Slip : 1.39 %
 Voltage : 200/400 V
 Rated current : 271/136 A
 Locked rotor current : 1630/814 A
 Locked rotor current (I_L/I_n) : 6.0
 No-load current : 82.8/41.4 A
 Full load torque : 292 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 250 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 10 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP23
 Approximate weight : 882 lb
 Moment of inertia : 18.269 sq.ft.lb
 Noise level : 69 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.85	94.1
75%	0.82	94.1
50%	0.74	93.6

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