



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : Rolled Steel Motor - High Efficiency

Frame : 254/6T
 Output : 20 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3530 rpm
 Slip : 1.94 %
 Voltage : 230/460 V
 Rated current : 47.4/23.7 A
 Locked rotor current : 351/175 A
 Locked rotor current (I_L/I_n) : 7.4
 No-load current : 14.6/7.30 A
 Full load torque : 29.4 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 300 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 15 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 208 lb
 Moment of inertia : 1.5358 sq.ft.lb
 Noise level : ---

	D.E.	N.D.E.
Bearings	6309 ZZ	6209 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.88	90.2
75%	0.84	90.2
50%	0.76	89.5

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