



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W01 (Rolled Steel) General Purpose TEFC

Frame : 254/6T
Output : 20 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3515 rpm
Slip : 2.36 %
Voltage : 575 V
Rated current : 18.2 A
Locked rotor current : 120 A
Locked rotor current (I_L/I_n) : 6.6
No-load current : 5.50 A
Full load torque : 29.5 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 290 %
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 : 211 lb
Moment of inertia : 1.2207 sq.ft.lb
Noise level : 75 dB(A)

	D.E.	N.D.E.
Bearings	6309 Z-C3	6208 Z-C3
Regreasing interval	15797 h	20000 h
Grease amount	13 g	8 g

Load	Power factor	Efficiency (%)
100%	0.91	91.0
75%	0.88	91.0
50%	0.81	90.0

Notes:
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