



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 : 4
Full load speed : 1765 rpm
Slip : 1.94 %
Voltage : 208-230/460 V
Rated current : 54.6-49.4/24.7 A
Locked rotor current : 331/165 A
Locked rotor current (I_L/I_n) : 6.7
No-load current : 22.2/11.1 A
Full load torque : 58.7 lb.ft
Locked rotor torque : 270 %
Breakdown torque : 300 %
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 : IP55
Approximate weight : 227 lb
Moment of inertia : 2.6407 sq.ft.lb
Noise level : 68 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.82	93.0
75%	0.77	92.4
50%	0.66	91.7

Notes:
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