



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three Phase: W01 (Rolled Steel) - TEFC - NEMA Premium Efficiency

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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