



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 NEMA Premium - Ball Bearings

Frame : 254/6T
Output : 5 HP
Frequency : 60 Hz
Poles : 8
Full load speed : 880 rpm
Slip : 2.22 %
Voltage : 208-230/460 V
Rated current : 16.8-15.2/7.58 A
Locked rotor current : 80.3/40.2 A
Locked rotor current (I_L/I_n) : 5.3
No-load current : 9.00/4.50 A
Full load torque : 29.4 lb.ft
Locked rotor torque : 190 %
Breakdown torque : 250 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 44 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 258 lb
Moment of inertia : 3.4086 sq.ft.lb
Noise level : 54 dB(A)

	D.E.	N.D.E.
Bearings	6309 C3	6209 C3
Regreasing interval	20000 h	20000 h
Grease amount	13 g	9 g

Load	Power factor	Efficiency (%)
100%	0.70	87.5
75%	0.62	87.5
50%	0.49	85.5

Notes:
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