



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W22 NEMA Premium - Ball Bearings

Frame : 284/6T
 Output : 15 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 880 rpm
 Slip : 2.22 %
 Voltage : 208-230/460 V
 Rated current : 42.9-38.8/19.4 A
 Locked rotor current : 213/107 A
 Locked rotor current (I_L/I_n) : 5.5
 No-load current : 18.0/9.00 A
 Full load torque : 88.3 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 230 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 25 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 417 lb
 Moment of inertia : 8.1809 sq.ft.lb
 Noise level : 54 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6311 C3	6211 C3	100%	0.79	90.2
Regreasing interval	20000 h	20000 h	75%	0.73	91.0
Grease amount	18 g	11 g	50%	0.62	90.2

Notes:
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