



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W22 NEMA Premium - Roller Bearings

Frame : 445/7T
 Output : 250 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1780 rpm
 Slip : 1.11 %
 Voltage : 460 V
 Rated current : 281 A
 Locked rotor current : 1830 A
 Locked rotor current (I_L/I_n) : 6.5
 No-load current : 90.0 A
 Full load torque : 728 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 240 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 15 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 2079 lb
 Moment of inertia : 89.555 sq.ft.lb
 Noise level : 73 dB(A)

	D.E.	N.D.E.
Bearings	NU-319 C3	6316 C3
Regreasing interval	5000 h	10000 h
Grease amount	45 g	34 g

Load	Power factor	Efficiency (%)
100%	0.86	96.2
75%	0.83	96.2
50%	0.75	95.8

Notes:
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