



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame : 143/5T
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1760 rpm
 Slip : 2.22 %
 Voltage : 460 V
 Rated current : 1.47 A
 Locked rotor current : 12.3 A
 Locked rotor current (I_L/I_n) : 8.4
 No-load current : 0.940 A
 Full load torque : 2.94 lb.ft
 Locked rotor torque : 320 %
 Breakdown torque : 350 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 18 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 41 lb
 Moment of inertia : 0.11723 sq.ft.lb
 Noise level : 51 dB(A)

	D.E.	N.D.E.
Bearings	6205 C3	6204 C3
Regreasing interval	20000 h	20000 h
Grease amount	4 g	4 g

Load	Power factor	Efficiency (%)
100%	0.75	85.5
75%	0.68	84.0
50%	0.55	80.0

Notes:
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