



Dealers Industrial Equipment

No.:

Date: 27-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 : 404/5T
 Output : 60 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1185 rpm
 Slip : 1.25 %
 Voltage : 460 V
 Rated current : 69.5 A
 Locked rotor current : 493 A
 Locked rotor current (I_L/I_n) : 7.1
 No-load current : 25.0 A
 Full load torque : 262 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 230 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 20 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1036 lb
 Moment of inertia : 36.858 sq.ft.lb
 Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6316 C3	6314 C3
Regreasing interval	16000 h	17000 h
Grease amount	34 g	27 g

Load	Power factor	Efficiency (%)
100%	0.86	94.5
75%	0.82	94.5
50%	0.74	94.1

Notes:
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