



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame : 280S/M
 Output : 50 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 890 rpm
 Slip : 1.11 %
 Voltage : 460 V
 Rated current : 62.8 A
 Locked rotor current : 389 A
 Locked rotor current (I_L/I_n) : 6.2
 No-load current : 31.7 A
 Full load torque : 291 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 230 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 26 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1354 lb
 Moment of inertia : 53.547 sq.ft.lb
 Noise level : 63 dB(A)

	D.E.	N.D.E.
Bearings	6316 C3	6316 C3
Regreasing interval	20000 h	20000 h
Grease amount	34 g	34 g

Load	Power factor	Efficiency (%)
100%	0.79	93.6
75%	0.73	93.6
50%	0.60	92.4

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #03709EP3Y280S/M-W22

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