



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase: W22 IE3 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame : 280S/M
 Output : 75 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1190 rpm
 Slip : 0.83 %
 Voltage : 460 V
 Rated current : 90.2 A
 Locked rotor current : 631 A
 Locked rotor current (I_L/I_n) : 7.0
 No-load current : 41.3 A
 Full load torque : 327 lb.ft
 Locked rotor torque : 260 %
 Breakdown torque : 330 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 46 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1594 lb
 Moment of inertia : 77.110 sq.ft.lb
 Noise level : 69 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.81	94.5
75%	0.75	94.5
50%	0.64	93.6

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #05512ET3Y280S/M-W22

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