



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 : 100 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3580 rpm
 Slip : 0.56 %
 Voltage : 460 V
 Rated current : 111 A
 Locked rotor current : 877 A
 Locked rotor current (I_L/I_n) : 7.9
 No-load current : 29.7 A
 Full load torque : 145 lb.ft
 Locked rotor torque : 240 %
 Breakdown torque : 350 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 59 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1603 lb
 Moment of inertia : 28.636 sq.ft.lb
 Noise level : 81 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	4000 h	4000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.90	94.5
75%	0.87	94.1
50%	0.80	92.4

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #07536ET3Y280S/M-W22

Performed by

Checked