



Dealers Industrial Equipment

No.:

Date: 27-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 : 315S/M
 Output : 100 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 890 rpm
 Slip : 1.11 %
 Voltage : 460 V
 Rated current : 123 A
 Locked rotor current : 812 A
 Locked rotor current (I_L/I_n) : 6.6
 No-load current : 53.3 A
 Full load torque : 582 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 230 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 30 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 2097 lb
 Moment of inertia : 77.465 sq.ft.lb
 Noise level : 66 dB(A)

	D.E.	N.D.E.
Bearings	6319 C3	6316 C3
Regreasing interval	17000 h	20000 h
Grease amount	45 g	34 g

Load	Power factor	Efficiency (%)
100%	0.81	94.5
75%	0.77	94.5
50%	0.65	93.6

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #07509EP3Y315S/M-W22

Performed by

Checked