



Dealers Industrial Equipment

No.:

Date: 28-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 : 315S/M
 Output : 175 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1790 rpm
 Slip : 0.56 %
 Voltage : 460 V
 Rated current : 203 A
 Locked rotor current : 1600 A
 Locked rotor current (I_L/I_n) : 7.9
 No-load current : 77.6 A
 Full load torque : 507 lb.ft
 Locked rotor torque : 310 %
 Breakdown torque : 330 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 57 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 2414 lb
 Moment of inertia : 69.729 sq.ft.lb
 Noise level : 75 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6319 C3	6316 C3	100%	0.85	96.2
Regreasing interval	8000 h	10000 h	75%	0.81	95.4
Grease amount	45 g	34 g	50%	0.72	94.1

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #13218ET3Y315S/M-W22

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