



Dealers Industrial Equipment

No.:

Date: 23-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 : 225S/M
 Output : 50 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1780 rpm
 Slip : 1.11 %
 Voltage : 460 V
 Rated current : 58.5 A
 Locked rotor current : 503 A
 Locked rotor current (I_L/I_n) : 8.6
 No-load current : 25.3 A
 Full load torque : 146 lb.ft
 Locked rotor torque : 310 %
 Breakdown torque : 370 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 25 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 864 lb
 Moment of inertia : 20.934 sq.ft.lb
 Noise level : 67 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	12000 h	12000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.84	94.5
75%	0.79	94.1
50%	0.68	93.0

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #03718ET3Y225S/M-W22

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