



Dealers Industrial Equipment

No.:

Date: 23-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 : 250S/M
 Output : 40 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 880 rpm
 Slip : 2.22 %
 Voltage : 460 V
 Rated current : 49.1 A
 Locked rotor current : 383 A
 Locked rotor current (I_L/I_n) : 7.8
 No-load current : 22.9 A
 Full load torque : 235 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 300 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 13 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 955 lb
 Moment of inertia : 25.216 sq.ft.lb
 Noise level : 60 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	20000 h	20000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.83	92.4
75%	0.78	92.4
50%	0.66	91.7

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #03009EP3Y250S/M-W22

Performed by

Checked