



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 : 40 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1185 rpm
 Slip : 1.25 %
 Voltage : 460 V
 Rated current : 47.6 A
 Locked rotor current : 367 A
 Locked rotor current (I_L/I_n) : 7.7
 No-load current : 20.9 A
 Full load torque : 175 lb.ft
 Locked rotor torque : 270 %
 Breakdown torque : 330 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 30 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 884 lb
 Moment of inertia : 30.565 sq.ft.lb
 Noise level : 66 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	17000 h	17000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.84	94.1
75%	0.78	94.1
50%	0.67	93.0

Notes:
 Downloaded from <http://dealerselectric.com>
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