



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 : 225S/M
 Output : 30 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 885 rpm
 Slip : 1.67 %
 Voltage : 460 V
 Rated current : 36.9 A
 Locked rotor current : 255 A
 Locked rotor current (I_L/I_n) : 6.9
 No-load current : 16.8 A
 Full load torque : 176 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 270 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 16 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 789 lb
 Moment of inertia : 23.023 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%	0.81	92.4
75%	0.77	92.4
50%	0.65	91.7

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #02209EP3Y225S/M-W22

Performed by

Checked