



Dealers Industrial Equipment

No.:

Date: 13-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 : 160M
 Output : 7.5 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1180 rpm
 Slip : 1.67 %
 Voltage : 460 V
 Rated current : 9.48 A
 Locked rotor current : 66.4 A
 Locked rotor current (I_L/I_n) : 7.0
 No-load current : 4.89 A
 Full load torque : 32.9 lb.ft
 Locked rotor torque : 240 %
 Breakdown torque : 310 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 34 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 254 lb
 Moment of inertia : 3.1245 sq.ft.lb
 Noise level : 59 dB(A)

	D.E.	N.D.E.
Bearings	6309 C3	6209 C3
Regreasing interval	20000 h	20000 h
Grease amount	13 g	9 g

Load	Power factor	Efficiency (%)
100%	0.80	91.0
75%	0.73	90.2
50%	0.61	88.5

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00512ET3Y160M-W22

Performed by

Checked