



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 : 180M
 Output : 30 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3555 rpm
 Slip : 1.25 %
 Voltage : 460 V
 Rated current : 34.7 A
 Locked rotor current : 295 A
 Locked rotor current (I_L/I_n) : 8.5
 No-load current : 14.0 A
 Full load torque : 43.7 lb.ft
 Locked rotor torque : 280 %
 Breakdown torque : 410 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 17 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 388 lb
 Moment of inertia : 2.8284 sq.ft.lb
 Noise level : 72 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6211 C3
Regreasing interval	14000 h	17000 h
Grease amount	18 g	11 g

Load	Power factor	Efficiency (%)
100%	0.86	92.4
75%	0.81	91.7
50%	0.71	90.2

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #02236ET3Y180M-W22

Performed by

Checked