



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 : 180L
 Output : 20 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1180 rpm
 Slip : 1.67 %
 Voltage : 460 V
 Rated current : 24.7 A
 Locked rotor current : 227 A
 Locked rotor current (I_L/I_n) : 9.2
 No-load current : 10.7 A
 Full load torque : 87.8 lb.ft
 Locked rotor torque : 300 %
 Breakdown torque : 390 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 13 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 426 lb
 Moment of inertia : 7.6873 sq.ft.lb
 Noise level : 59 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6311 C3	6211 C3	100%	0.83	91.7
Regreasing interval	20000 h	20000 h	75%	0.79	91.7
Grease amount	18 g	11 g	50%	0.68	91.0

Notes:

Downloaded from <http://dealerselectric.com>
 Generated for Model #01512ET3Y180L-W22

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