



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 : 280S/M
 Output : 60 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 885 rpm
 Slip : 1.67 %
 Voltage : 460 V
 Rated current : 77.0 A
 Locked rotor current : 585 A
 Locked rotor current (I_L/I_n) : 7.6
 No-load current : 37.0 A
 Full load torque : 351 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 270 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 32 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1455 lb
 Moment of inertia : 64.256 sq.ft.lb
 Noise level : 63 dB(A)

	D.E.	N.D.E.
Bearings	6316 C3	6316 C3
Regreasing interval	20000 h	20000 h
Grease amount	34 g	34 g

Load	Power factor	Efficiency (%)
100%	0.78	94.1
75%	0.74	93.6
50%	0.63	91.0

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #04509EP3Y280S/M-W22

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