



Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase: W22 Crusher Duty TEFC (IP55)

Frame : 586/7Z
 Output : 500 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1790 rpm
 Slip : 0.56 %
 Voltage : 460 V
 Rated current : 557 A
 Locked rotor current : 3900 A
 Locked rotor current (I_L/I_n) : 7.0
 No-load current : 165 A
 Full load torque : 1447 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 240 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 12 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 4190 lb
 Moment of inertia : 235.51 sq.ft.lb
 Noise level : 81 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	NU-324 C3	6319 C3	100%	0.87	95.8
Regreasing interval	3000 h	8000 h	75%	0.85	95.8
Grease amount	72 g	45 g	50%	0.78	95.0

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #50018EP3GKD580Z-W22

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