



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

## DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 404/5T  
 Output : 50 HP  
 Frequency : 60 Hz  
 Poles : 8  
 Full load speed : 880 rpm  
 Slip : 2.22 %  
 Voltage : 230/460 V  
 Rated current : 122/61.0 A  
 Locked rotor current : 756/378 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
 No-load current : 48.0/24.0 A  
 Full load torque : 294 lb.ft  
 Locked rotor torque : 170 %  
 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 : 992 lb  
 Moment of inertia : 34.625 sq.ft.lb  
 Noise level : 60 dB(A)

	D.E.	N.D.E.
Bearings	NU-316 C3	6314 C3
Regreasing interval	17000 h	20000 h
Grease amount	34 g	27 g

Load	Power factor	Efficiency (%)
100%	0.83	91.7
75%	0.79	91.7
50%	0.70	91.7

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #05009EP3EKD404T-W22

Performed by

Checked