



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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

Customer :  
 Product line : Fire Pump Motors - ODP Three Phase - Foot Mount and Flange Mount

Frame : 284TS  
 Output : 30 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3540 rpm  
 Slip : 1.67 %  
 Voltage : 208-230/460 V  
 Rated current : 76.3-69.0/34.5 A  
 Locked rotor current : 428/214 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
 No-load current : 18.2/9.10 A  
 Full load torque : 43.9 lb.ft  
 Locked rotor torque : 200 %  
 Breakdown torque : 270 %  
 Design : B  
 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 : IP23  
 Approximate weight : 321 lb  
 Moment of inertia : 1.6836 sq.ft.lb  
 Noise level : 72 dB(A)

	D.E.	N.D.E.
Bearings	6311 Z-C3	6211 Z-C3
Regreasing interval	20000 h	20000 h
Grease amount	18 g	11 g

Load	Power factor	Efficiency (%)
100%	0.88	91.0
75%	0.86	91.0
50%	0.80	91.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #03036OP3EFP284TS

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