



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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

Customer :  
 Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame : 286TS  
 Output : 30 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1770 rpm  
 Slip : 1.67 %  
 Voltage : 200/400 V  
 Rated current : 81.4/40.7 A  
 Locked rotor current : 546/273 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.7  
 No-load current : 34.5/17.3 A  
 Full load torque : 87.8 lb.ft  
 Locked rotor torque : 260 %  
 Breakdown torque : 280 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 14 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP23  
 Approximate weight : 419 lb  
 Moment of inertia : 4.8955 sq.ft.lb  
 Noise level : 63 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%	0.83	94.1
75%	0.80	94.1
50%	0.70	93.6

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #03018OT3V286TS

Performed by

Checked