



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 : 286TS
 Output : 30 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1770 rpm
 Slip : 1.67 %
 Voltage : 200/400 V
 Rated current : 81.9/40.9 A
 Locked rotor current : 499/250 A
 Locked rotor current (I_L/I_n) : 6.1
 No-load current : 32.2/16.1 A
 Full load torque : 87.8 lb.ft
 Locked rotor torque : 250 %
 Breakdown torque : 270 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 13 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP23
 Approximate weight : 357 lb
 Moment of inertia : 3.4057 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%	0.84	92.4
75%	0.81	92.4
50%	0.72	91.7

Notes:
 Downloaded from <http://dealerselectric.com>
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