



Dealers Industrial Equipment

No.:

Date: 24-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 : 324TS
 Output : 50 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3560 rpm
 Slip : 1.11 %
 Voltage : 208-230/460 V
 Rated current : 129-117/58.4 A
 Locked rotor current : 724/362 A
 Locked rotor current (I_L/I_n) : 6.2
 No-load current : 39.0/19.5 A
 Full load torque : 72.8 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 240 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 28 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP23
 Approximate weight : 518 lb
 Moment of inertia : 3.2985 sq.ft.lb
 Noise level : 74 dB(A)

	D.E.	N.D.E.
Bearings	6312 Z-C3	6212 Z-C3
Regreasing interval	19658 h	20000 h
Grease amount	21 g	13 g

Load	Power factor	Efficiency (%)
100%	0.86	92.4
75%	0.83	92.4
50%	0.75	91.0

Notes:
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