



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Fire Pump: Three Phase - W01 (Rolled Steel) - ODP - High Efficiency

Frame : 254/6T
 Output : 25 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3530 rpm
 Slip : 1.94 %
 Voltage : 575 V
 Rated current : 23.2 A
 Locked rotor current : 144 A
 Locked rotor current (I_L/I_n) : 6.2
 No-load current : 8.94 A
 Full load torque : 36.7 lb.ft
 Locked rotor torque : 180 %
 Breakdown torque : 280 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 9 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : ODP
 Approximate weight : 169 lb
 Moment of inertia : 0.87184 sq.ft.lb
 Noise level : 70 dB(A)

	D.E.	N.D.E.
Bearings	6309 Z-C3	6208 Z-C3
Regreasing interval	20000 h	20000 h
Grease amount	13 g	8 g

Load	Power factor	Efficiency (%)
100%	0.88	91.0
75%	0.84	91.0
50%	0.75	90.2

Notes:
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