



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : ODP General Purpose

Frame : 286T
Output : 20 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1175 rpm
Slip : 2.08 %
Voltage : 208-230/460 V
Rated current : 53.1-48.0/24.0 A
Locked rotor current : 302/151 A
Locked rotor current (I_L/I_n) : 6.3
No-load current : 17.0/8.50 A
Full load torque : 88.2 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 240 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 18 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP23
Approximate weight : 397 lb
Moment of inertia : 7.1992 sq.ft.lb
Noise level : 58 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%	0.85	92.4
75%	0.83	92.4
50%	0.74	91.7

Notes:
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