



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Brake Motors : Three-Phase - High Efficiency

Frame : 286T
Output : 30 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1760 rpm
Slip : 2.22 %
Voltage : 230/460 V
Rated current : 69.4/34.7 A
Locked rotor current : 430/215 A
Locked rotor current (I_L/I_n) : 6.2
No-load current : 22.0/11.0 A
Full load torque : 88.3 lb.ft
Locked rotor torque : 240 %
Breakdown torque : 260 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 22 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 529 lb
Moment of inertia : 4.8523 sq.ft.lb
Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6214 Z-C3
Regreasing interval	20000 h	20000 h
Grease amount	18 g	15 g

Load	Power factor	Efficiency (%)
100%	0.86	92.4
75%	0.83	93.0
50%	0.75	93.0

Notes:
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