



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 : 284T
 Output : 25 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1765 rpm
 Slip : 1.94 %
 Voltage : 230/460 V
 Rated current : 59.2/29.6 A
 Locked rotor current : 361/181 A
 Locked rotor current (I_L/I_n) : 6.1
 No-load current : 18.8/9.40 A
 Full load torque : 73.4 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 250 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 30 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 397 lb
 Moment of inertia : 4.7491 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%	0.85	92.4
75%	0.82	92.4
50%	0.74	92.4

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