



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : P-Base Motors : High Efficiency

Frame : 286HPH
 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 : 456 lb
 Moment of inertia : 4.8523 sq.ft.lb
 Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6211 C3
Regreasing interval	9790 h	10000 h
Grease amount	27 g	11 g

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

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