



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 : 284HP
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 : 447 lb
Moment of inertia : 4.7491 sq.ft.lb
Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6312 C3	6211 C3
Regreasing interval	10000 h	10000 h
Grease amount	21 g	11 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>
Generated for Model #02518EP3E284HP

Performed by

Checked