



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : Explosion Proof - High Efficiency

Frame : 505TS
 Output : 250 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3570 rpm
 Slip : 0.83 %
 Voltage : 460 V
 Rated current : 267 A
 Locked rotor current : 1760 A
 Locked rotor current (I_L/I_n) : 6.6
 No-load current : 50.0 A
 Full load torque : 363 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 250 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 34 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP54
 Approximate weight : 2542 lb
 Moment of inertia : 51.379 sq.ft.lb
 Noise level : 88 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6316 C3	6316 C3	100%	0.91	95.4
Regreasing interval	2701 h	2701 h	75%	0.90	95.4
Grease amount	34 g	34 g	50%	0.88	93.6

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #25036XP3G505S

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