



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame : 404/5TS
 Output : 100 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3545 rpm
 Slip : 1.53 %
 Voltage : 460 V
 Rated current : 110 A
 Locked rotor current : 715 A
 Locked rotor current (I_L/I_n) : 6.5
 No-load current : 26.0 A
 Full load torque : 146 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 240 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 14 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1045 lb
 Moment of inertia : 13.196 sq.ft.lb
 Noise level : 79 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6314 C3	6314 C3	100%	0.91	94.1
Regreasing interval	4000 h	4000 h	75%	0.90	94.1
Grease amount	27 g	27 g	50%	0.85	93.0

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #10036ST3QIE405TS-W22

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