



Dealers Industrial Equipment

No.:

Date: 27-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 : 324/6TS
 Output : 50 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3550 rpm
 Slip : 1.39 %
 Voltage : 460 V
 Rated current : 56.1 A
 Locked rotor current : 348 A
 Locked rotor current (I_L/I_n) : 6.2
 No-load current : 15.0 A
 Full load torque : 73.0 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 230 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 23 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 584 lb
 Moment of inertia : 5.7469 sq.ft.lb
 Noise level : 78 dB(A)

	D.E.	N.D.E.
Bearings	6312 C3	6212 C3
Regreasing interval	12000 h	15000 h
Grease amount	21 g	13 g

Load	Power factor	Efficiency (%)
100%	0.89	93.0
75%	0.87	93.0
50%	0.83	93.0

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #05036ST3QIE326TSC-W2

Performed by

Checked