



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W22 NEMA Premium - Ball Bearings

Frame : 254/6T
 Output : 7.5 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 880 rpm
 Slip : 2.22 %
 Voltage : 208-230/460 V
 Rated current : 24.5-22.2/11.1 A
 Locked rotor current : 118/58.8 A
 Locked rotor current (I_L/I_n) : 5.3
 No-load current : 13.0/6.50 A
 Full load torque : 44.2 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 250 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 33 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 284 lb
 Moment of inertia : 4.4311 sq.ft.lb
 Noise level : 54 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6309 C3	6209 C3	100%	0.71	87.5
Regreasing interval	20000 h	20000 h	75%	0.63	87.5
Grease amount	13 g	9 g	50%	0.50	85.5

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00709ET3E256TC-W22

Performed by

Checked