



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame : 254T
 Output : 20 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3520 rpm
 Slip : 2.22 %
 Voltage : 208-230/460 V
 Rated current : 54.4-49.2/24.6 A
 Locked rotor current : 295/148 A
 Locked rotor current (I_L/I_n) : 6.0
 No-load current : 19.0/9.50 A
 Full load torque : 29.4 lb.ft
 Locked rotor torque : 190 %
 Breakdown torque : 250 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 12 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP23
 Approximate weight : 203 lb
 Moment of inertia : 0.73278 sq.ft.lb
 Noise level : 66 dB(A)

	D.E.	N.D.E.
Bearings	6309 Z-C3	6209 Z-C3
Regreasing interval	20000 h	20000 h
Grease amount	13 g	9 g

Load	Power factor	Efficiency (%)
100%	0.84	91.0
75%	0.80	90.2
50%	0.71	89.5

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #02036OT3E254T

Performed by

Checked