



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

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

Frame : 444/5T
 Output : 100 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1190 rpm
 Slip : 0.83 %
 Voltage : 208-230/460 V
 Rated current : 276-250/125 A
 Locked rotor current : 1430/713 A
 Locked rotor current (I_L/I_n) : 5.7
 No-load current : 112/56.0 A
 Full load torque : 435 lb.ft
 Locked rotor torque : 210 %
 Breakdown torque : 240 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 18 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP23
 Approximate weight : 1486 lb
 Moment of inertia : 43.825 sq.ft.lb
 Noise level : 77 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6319 C3	6316 C3	100%	0.79	95.0
Regreasing interval	20000 h	20000 h	75%	0.74	95.0
Grease amount	45 g	34 g	50%	0.62	94.5

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #10012OT3E444T

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