# PRODUCT INFORMATION PACKET



Model No: 824530.00 Catalog No: 824530.00

7.50 HP Severe Duty Motor, 3 phase, 1800 RPM, 230/460 V, 213T Frame, TEAO

Severe Duty Motors



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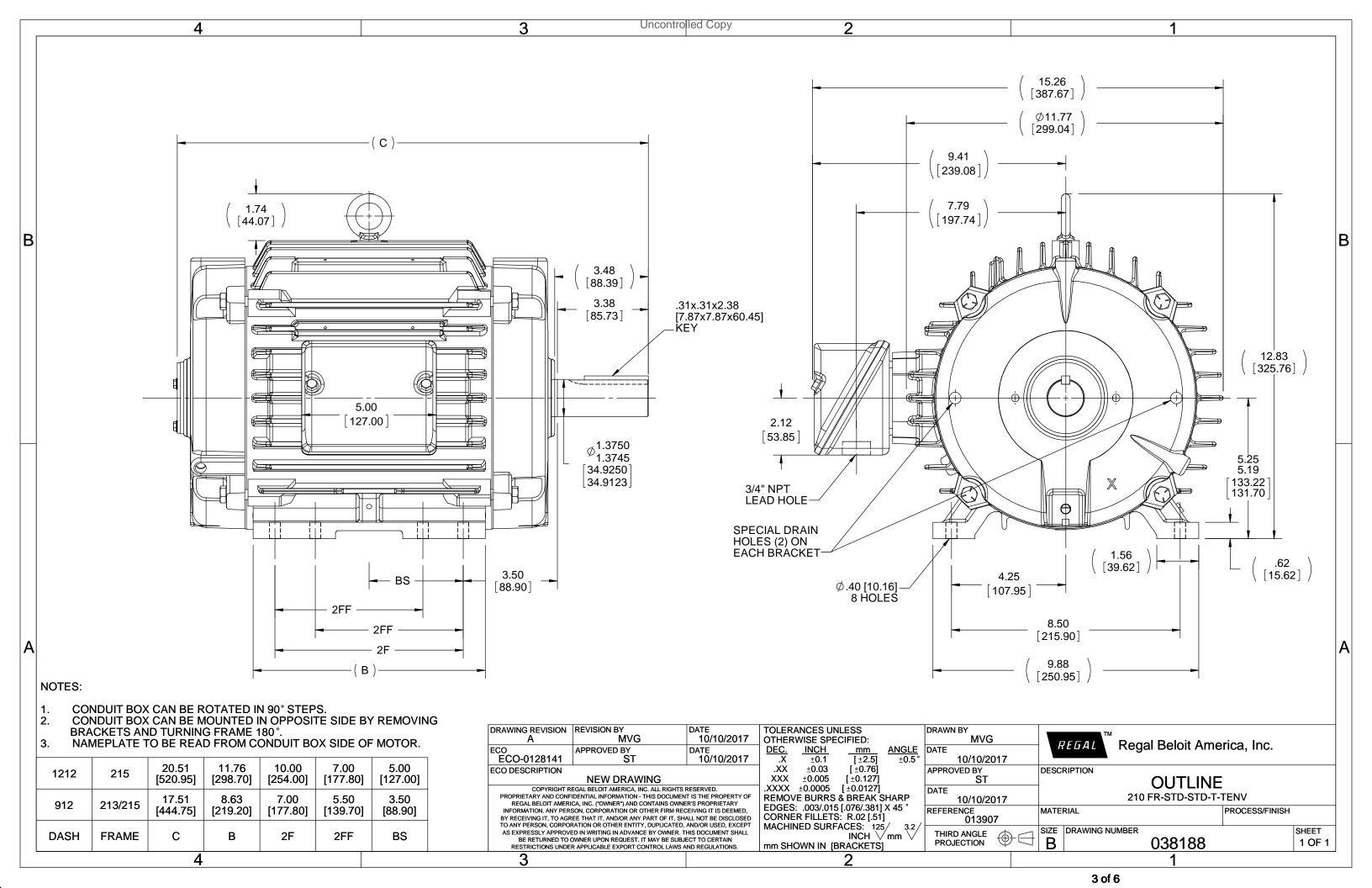
# Nameplate Specifications

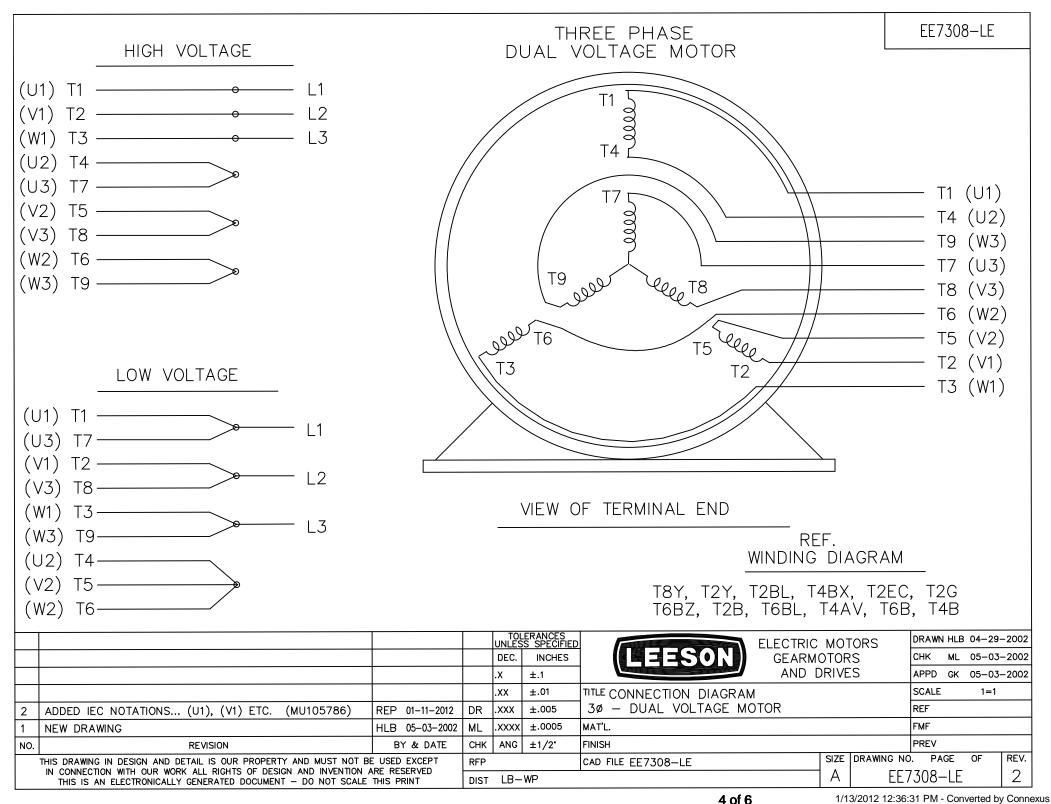
7.50 Hp	Output KW	5.6 kW
60 Hz	Voltage	230/460 V
19.2/9.6 A	Speed	1770 rpm
1.15	Phase	3
91.7 %	Power Factor	80
Continuous	Insulation Class	F
В	KVA Code	Н
213T	Enclosure	Totally Enclosed Air Over
No	Ambient Temperature	40 °C
6307	Opp Drive End Bearing Size	6208
No	CSA	N
N	IP Code	55
1		
	60 Hz 19.2/9.6 A 1.15 91.7 % Continuous B 213T No 6307	60 Hz Voltage  19.2/9.6 A Speed  1.15 Phase  91.7 % Power Factor  Continuous Insulation Class  B KVA Code  213T Enclosure  No Ambient Temperature  6307 Opp Drive End Bearing Size  No CSA

## **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	1.17 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	17.47 in
Frame Length	9.12 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	038188-912	Connection Drawing	A-EE7308-LE

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## 1051 CHEYENNE AVE. GRAFTON, WI 53024 PH. 262-377-8810

**CATALOG #:** 824530.00

CONN. DIAGRAM: A-EE7308-LE

**OUTLINE:** 038188-912 **MOUNTING:** F1/F2 CAPABLE

**WINDING #:** K2134158 R23 6

#### **TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	1800	1770	213T	TEAO	Н	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	АМВ°С
3	60	230/460	19.2/9.6	LINE OR INVERTER	CONTINUOUS	F3	1.15	40

FULL LOAD EFF:	91.7	3/4 LOAD EFF:	91	1/2 LOAD EFF:	90.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	80	3/4 LOAD PF:	74	1/2 LOAD PF:	63	91	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQI	JE		B.D. TOR	QUE	F.L. RISE°C
22.3 <b>LB-FT</b>	127 / 63.5	52 <b>LB-FT</b>	233 %	72	LB-FT	323 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0.95 <b>LB-FT^2</b>	- LB-FT^2	25 <b>SEC.</b>	-	165 <b>LBS.</b>

### \*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	FALSE	NONE	BLACK (EPOXY)

BEAR	RINGS	GREASE	CHAFT TYPE	SHAFT TYPE   SPECIAL DE		SHAFT	FRAME
DE	ODE	GREASE	SHAFI ITPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	<b>T</b>	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6307	6208	POLTREX EM	l	NONE	NONE	1043 HOT ROLLED (C-204)	CASTIRON

	THERMO-PROTE	CTORS	THERMISTORS	CONTROL	SPACE HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NONE <b>VOLTS</b>

*	INVERTER TORQUE: VARIABLE 10:1 INV. HP SPEED RANGE: NONE
N	ENCODER: NONE
0	NONE NONE PPR
т	BRAKE: NONE NONE
E	NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

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