PRODUCT INFORMATION PACKET

Model No: LM06121 Catalog No: LM06121 Encoder Motors, TENV, 3 HP, 3 Ph, 60 Hz, 230/460 V, 1178 RPM, 215TC Frame



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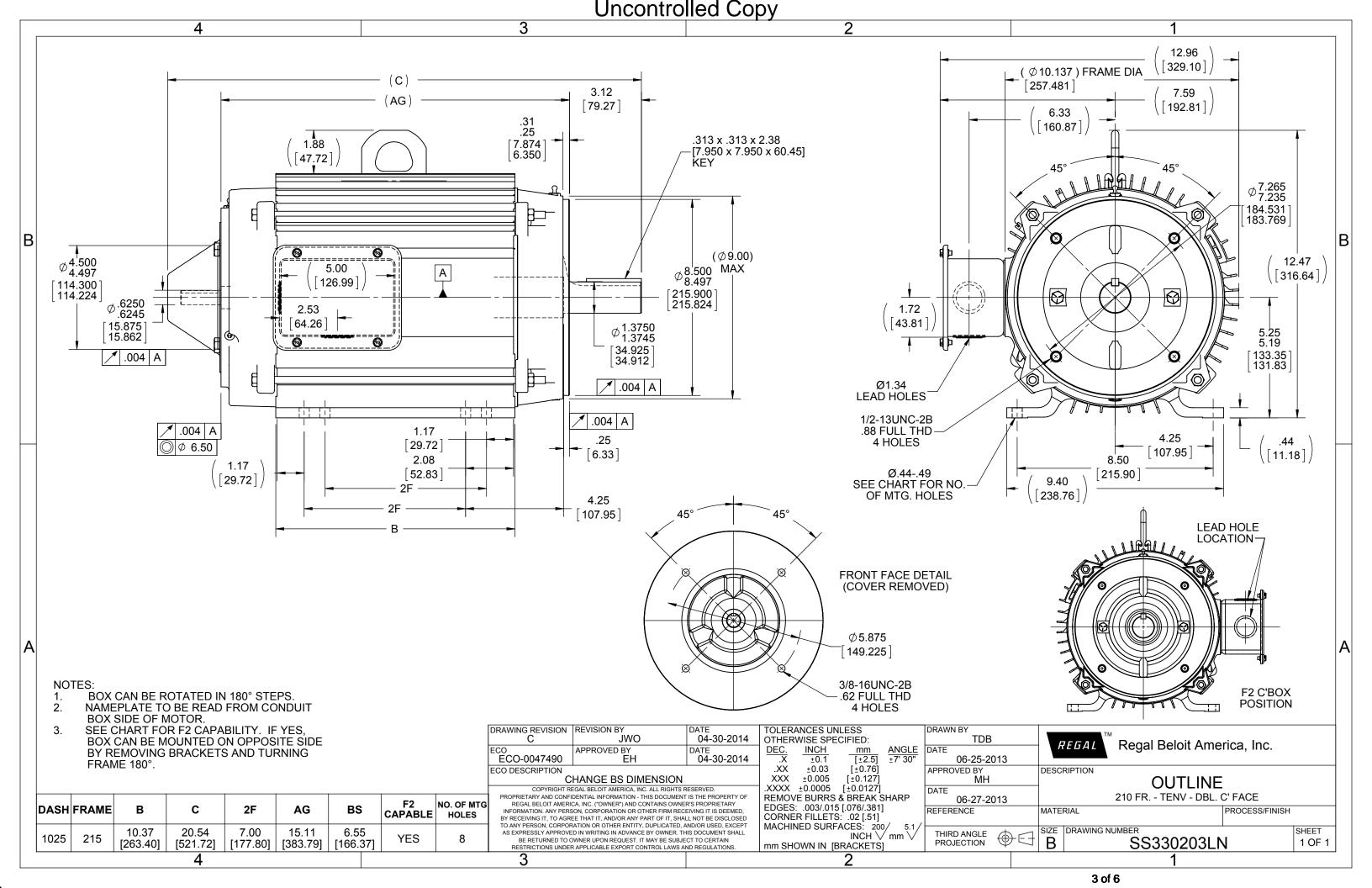
Nameplate Specifications

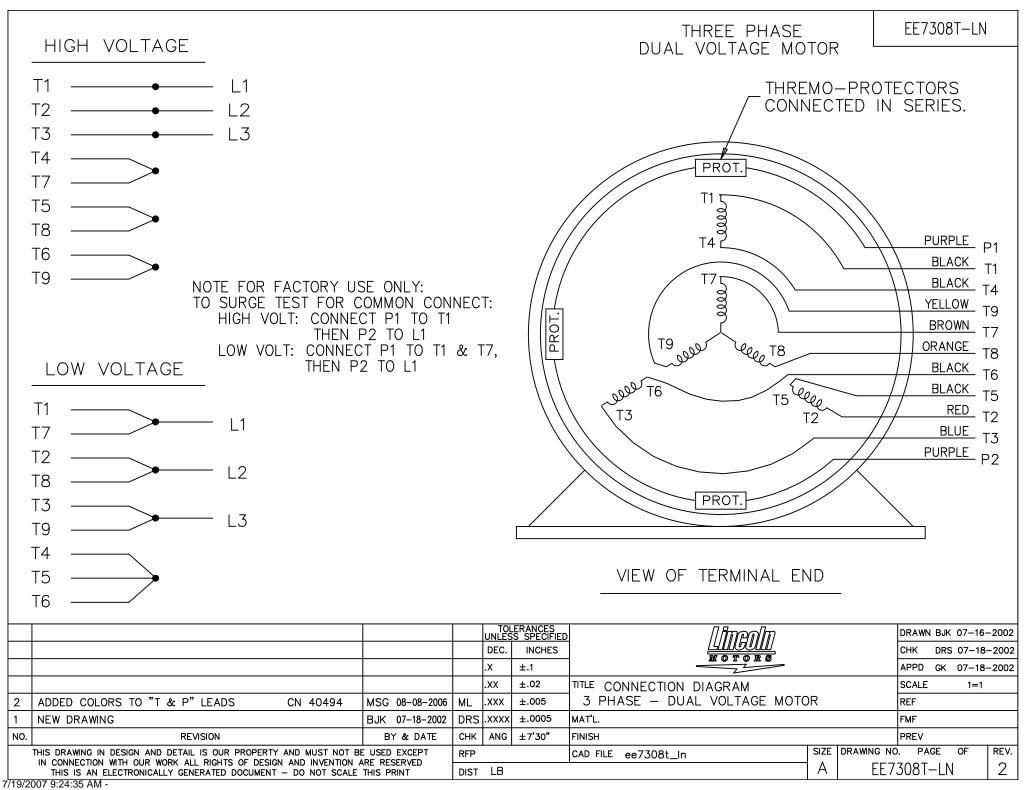
Output HP	3 Нр	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	12.2/6.1 A	Speed	1178 rpm
Service Factor	1	Phase	3
Efficiency	82.5 %	Power Factor	55
Duty	Continuous	Insulation Class	F
Design Code	INV	KVA Code	S
Frame	215TC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Υ	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	6	Rotation	Reversible
Resistance Main	1.7 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	Т	Overall Length	20.54 in
Frame Length	10.25 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2000:1		
Outline Drawing	B-SS330203LN-1025	Connection Drawing	A-EE7308T-LN

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2100 WASHINGTON ST. GRAFTON, WI PH. 262-277-8810

CONN. DIAGRAM: A-EE7308T-LN

OUTLINE: B-SS330203LN-1025

WINDING #: K2156126 R3 6

CATLOG # : LM06121

MOUNTING: F1/F2 CAPABLE

TYPICAL MO	DTOR PERFO	RMANCE D	DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	1200	1178	215TC	TENV	S	INV
	`						

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	12.2/6.1	INVERTER ONLY	CONTINUOUS	F3	1.0	40

FULL LOAD EFF:	82.5	3/4 LOAD EFF:	78.5	1/2 LOAD EFF:	75.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	55	3/4 LOAD PF:	47.5	1/2 LOAD PF:	36	80	SQ CAGE INV DUTY

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
13.4 LB-FT	125 / 62.5	69.5 LB-FT 519 %	87 LB-FT 649 %	0

SOUND PRESSU @ 3 FT.	E SO	UND POWER	ROTO	DR WK^2	MAX. WI	(^2	SAFE STALL TIME	STARTS / HOUR	АРРІ МОТО	
60 dBA	7	'0 dBA	0.95	LB-FT^2	- LB-F	T^2	- SEC.	-	155	LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	ENCODER	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LINCOLN

BEAR	RINGS	CREACE				SHAFT	FRAME	
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE SPECIAL OD		MATERIAL	MATERIAL	
BALL	BALL		Ŧ	NONE	NONE			
6309	6206	POLYREX EM		NONE	NONE	1045 HOT ROLLED (C-204)	ALUMINUM	

	THERMO-PROTECT	THERMISTORS	CONTROL	CDACE			
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE	HEATERS
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS

*	INVERTER TORQUE: CONSTANT 2000:1 INV. HP SPEED RANGE: NONE
Ν	ENCODER: PROVISIONS ONLY
0	DYNAPAR HS35 NONE PPR
т	BRAKE: NONE NONE
E	NONE P/N NONE NONE NONE
S	FT-LB NONE V NONE HZ

*

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Date	. 1/18/	/2018		Data S	neet			LM06121	1	
		LEESON								-
					Load Data	R		Da	nta @ 460	v
oad	0%	25%	50%	75%	100%	115%	125%	LR		
urrent (Amps)	4.8	5.1	5.3	5.7	6.1	6.3	6.4	62.5		
rque (ft-lb)	0.00	3.3	6.6	10.0	13.4	15.2	17.0	69.5		_
PM	1200	1194	1188	1184	1178	1,176	1172	0		_
ficiency (%) F. (%)	9.0	61.0 23.5	75.5 36.0	78.5 47.5	82.5 55.0	83.3 58.5	84.0 62.0	47.0		_
F. (%)		Motor Speed Da		47.5	55.0	30.5	02.0	47.0		
				Betad	1-11-					
eed (RPM)	LR 0	Pull-Up 589	BD 950	Rated 1178	1200	-	In	formation Block		
urrent (Amps)	62.5	56.3	40.0	6.1	4.8	HP		3.0		
que (ft-lb)	69.5	59.1	87.0	13.4	0.00	Sync. RPM		1200		
	-					Frame		215		
	Efficiency (%)	— P.F. (%)	— c	urrent (Amps)		Enclosure		TENV		
100.0					7.0	Construction		TTL		
					1	Voltage		230/460	V	
					1	Frequency		60	Hz	
90.0					6.0	Design		А		
						LR Code letter		S		
80.0					5.0	Service Factor		1.15	÷ .	
00.0					A	Temp Rise @ I	FL	0	°C	
					м	Duty Ambient		CONT 40	°C	
70.0					4.0 P	Elevation		1,000	feet	
					S	Rotor/Shaft wk	2	0.95	Lb-Ft ²	
						Ref Wdg		K2156126 R3		
60.0					3.0	Sound Pressur	e @ 1M	60	dBA	
							0 6 111			
50.0					2.0	VFD Rating		CONSTANT 2	2000:1	
						Outline Dwg			203LN-1025	
40.0					1.0	Conn. Diag		A-EE7	'308T-LN	
40.0					1.0	Additional Spec	cincations.			
						0				
30.0					0.0			CKT (OHMS / PHASE		
				120% 1	40%			X1		X
0% 209	% 40%	60% 80% LOAD	100%			R1 1.1350	R2 1.2490	3.7080	2.5730	
0% 209	6 40%		100%			1.1350				
0% 209	% 40%			Speed -1		1.1350 urve				
100.0	6 40%		T	Speed -1		1.1350				51.5
100.0	40%			Speed -1		1.1350 urve			2.5730	51.5
	6 40%			Speed -1		1.1350 urve			2.5730	51.5
90.0	6 40%			Speed -1		1.1350 urve			2.5730	51.5
100.0	6 40%			Speed -1		1.1350 urve			2.5730	51.
100.0 90.0 80.0	6 40%			Speed -1		1.1350 urve			2.5730	51.
90.0	6 40%			Speed -1		1.1350 urve			2.5730 70.0 60.0	51.5
100.0 90.0 80.0 70.0	6 40%			Speed -1		1.1350 urve			2.5730 70.0 60.0	51.5
100.0 90.0 80.0 70.0 T 60.0	6 40%			Speed -1		1.1350 urve			2.5730 70.0 60.0	51.5 A
100.0 90.0 80.0 70.0 T 60.0 O R 50.0	6 40%			Speed -1		1.1350 urve			2.5730 70.0 60.0 50.0	51.5 A M
100.0 90.0 80.0 70.0 T 60.0 O R 50.0 Q 50.0				Speed -1		1.1350 urve			2.5730 70.0 60.0 50.0 40.0	51.5 M P S
100.0 90.0 80.0 70.0 T 60.0 Q S 50.0 U				Speed -1		1.1350 urve			2.5730 70.0 60.0 50.0	51.5 M P S
100.0 90.0 80.0 70.0 T 60.0 O R 50.0 Q 50.0				Speed -1		1.1350 urve			2.5730 70.0 60.0 50.0 40.0	51.5 M P S
100.0 90.0 80.0 70.0 T 60.0 Q S 50.0 U				Speed -1		1.1350 urve			2.5730 70.0 60.0 50.0 40.0 30.0	A M P S
100.0 90.0 80.0 70.0 T 60.0 Q S 50.0 U E 40.0				Speed -1		1.1350 urve			2.5730 70.0 60.0 50.0 40.0	A M P S
100.0 90.0 80.0 70.0 T 60.0 Q S 50.0 U E 40.0				Speed -1		1.1350 urve			2.5730 70.0 60.0 50.0 40.0 30.0	A M P S
100.0 90.0 80.0 70.0 T 60.0 Q U E 40.0 30.0				Speed -1		1.1350 urve			2.5730 70.0 60.0 50.0 40.0 30.0	A M P S
100.0 90.0 80.0 70.0 T 60.0 Q 50.0 U 40.0 E 40.0				Speed -1		1.1350 urve			2.5730 70.0 60.0 50.0 40.0 30.0 20.0	A M P S
100.0 90.0 80.0 70.0 T 60.0 Q 50.0 U 40.0 E 40.0 30.0 20.0				Speed -1		1.1350 urve			2.5730 70.0 60.0 50.0 40.0 30.0 20.0	A M P S
100.0 90.0 80.0 70.0 T 60.0 Q 50.0 U 40.0 E 40.0 30.0 20.0				Speed -1	Forque C	1.1350 urve			2.5730 70.0 60.0 50.0 40.0 30.0 20.0	A M P S