# **PRODUCT INFORMATION PACKET**

Model No: 825092.00 Catalog No: 825092.00 Explosion Proof Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 254T Frame, EPFC



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# LEESON

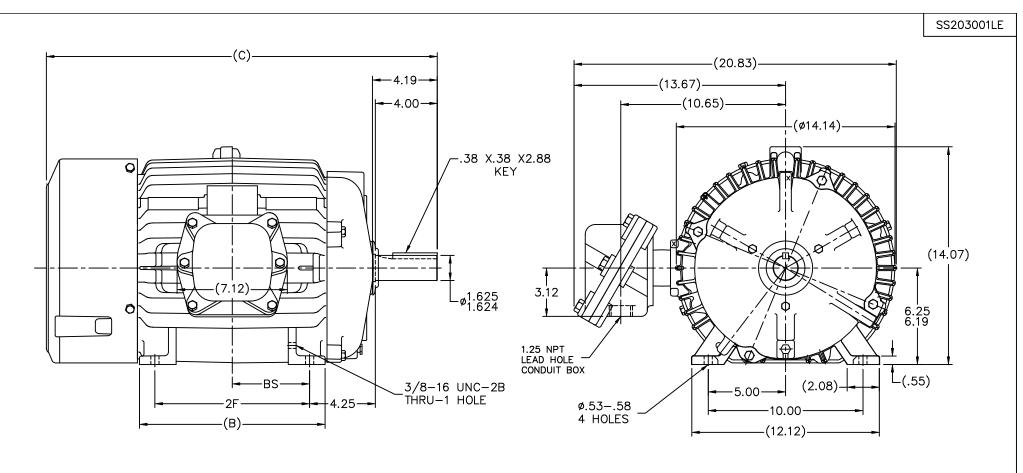
## Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp
Output KW	11.2 & 7.5 kW	Voltage	230/460 & 190/380 V
Speed	3550 & 2955 rpm	Service Factor	1.15 & 1.15
Frame	254T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	91.7 & 92 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	35/17.5 & 29/14.5 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	309	Opp Drive End Bearing Size	210
UL	UL Listed And CSA Certified	CSA	Y
CE	Ν	IP Code	54
Number of Speeds	1	Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3B

# **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.603 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	23.52 in
Frame Length	10.50 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Connection Drawing	A-EE7308T	Outline Drawing	B-SS203001LE-1050

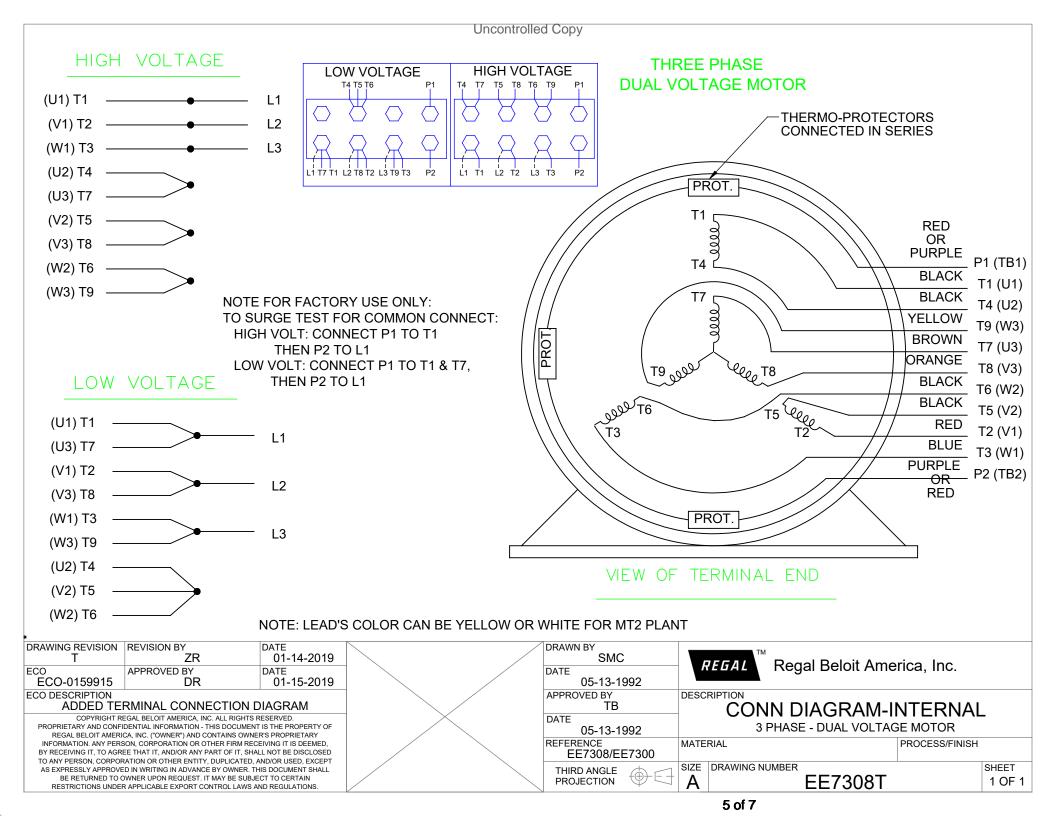
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#### NOTES:

- 1. BOX CAN ONLY BE ROTATED CLOCKWISE UP TO
- 270° FROM ITS ORIGINAL POSITION. 2. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

											UNLES	LERANCES		ELECTRIC MOTORS	DRAWN TJ	B 05-07-2002
											DEC.		LEESON		CHK ML	05-08-2002
					204						.x	±.1		AND DRIVES	APPD TB	05-08-2002
				(B–SS2030	004)						.xx	±.03	TILE OUTLINE - EXP. PR.		SCALE	1=4
			-			2	REDRAWN IN AUTOCAD	N.	IS 03-17-2005	ML	.xxx	±.005	250T FR. – BB – TS –	STD.	REF	
DASH	FRAME	В	С	2F	BS	1	NEW DRAWING CN 34708	T.	B 05-08-2002		.xxxx	±.0005	MAT'L.		FMF	
1050	254T	10.25	23.52	8.25	4.12	NO.	REVISION		BY & DATE	СНК	ANG	±7'30"	FINISH		PREV	
1000	20+1	10.20	20.02	0.20	7.12		THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT B			RFP			CAD FILE SS203001LE	SIZE DRAWING NO	). PAGE	OF REV.
1225	256T	12.00	25.27	10.00	5.00		IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE		RESERVED S PRINT	DIST	LB			B SS2	03001	LE 2



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#### CATALOG #: 825092.00

#### CONN. DIAGRAM: A-EE7308T

MOUNTING: F1 ONLY

**OUTLINE:** B-SS203001LE-1050 **WINDING #:** K256289 13

#### TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15&10	11.2&7.50	3600	3550&2955	254T	EPFC	G	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	35/17.5&29/14.5	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	91.7&92	3/4 LOAD EFF:	91.7	1/2 LOAD EFF:	90.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	85&85	3/4 LOAD PF:	83.5	1/2 LOAD PF:	75.5	91	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L	.R. TORQU	JE		B.D. TOR	F.L. RISE°C	
22.2 LB-FT	232 / 116	41	LB-FT	185 %	65	LB-FT	293 %	50

SOUND PRESSURE @ 3 FT. 72 dBA		SOUNE	POWER	ROT	OR WK^2	МА	X. WK^2	SAFE ST	TALL TIME	STARTS / HOUR	АРР МОТО	ROX. R WGT
72	dBA	82	dBA	1.1	LB-FT^2	22	LB-FT^2	20	SEC.	2	310	LBS.

#### \*\*\* 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	EXP PROOF CL I GR C&D CL II GR F&G T3B	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEAR	RINGS	CREACE				SHAFT	FRAME
DE	ODE GREASE		SHAFT TYPE	SPECIAL DE SPECIAL ODE		MATERIAL	MATERIAL
BALL	BALL		F	NONE	NONE		
309	210	POLYREX EM T		NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

		THERMO-PROTECT	THERMISTORS	CONTROL		IEATERS		
	THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs		CONTROL	SPACE	ILATERS
	TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS
*					INVERTER TORQUE: INV. HP SPEED RANG		10:1	
Ν					ENCODER: NONE			
0					NONE NONE NONE	PPR		
т						NONE		
Е					NONE P/N NOI NONE NONE	NE		

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