# **PRODUCT INFORMATION PACKET**

Model No: 825076.00 Catalog No: 825076.00 Explosion Proof Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 254TC Frame, EPFC



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# LEESON

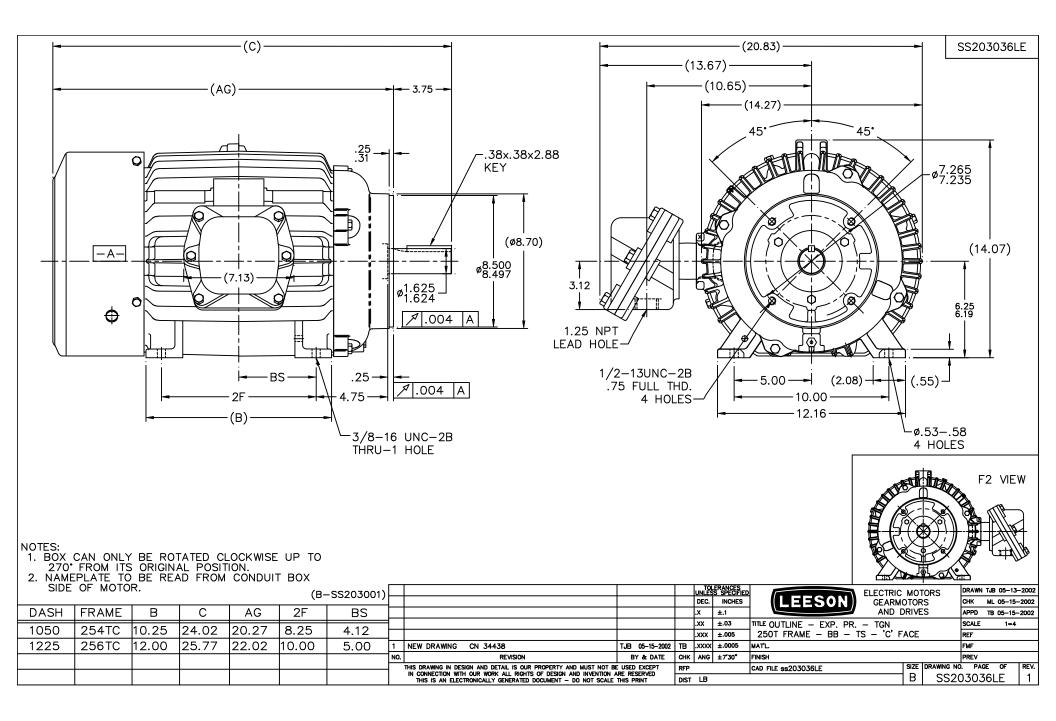
### Nameplate Specifications

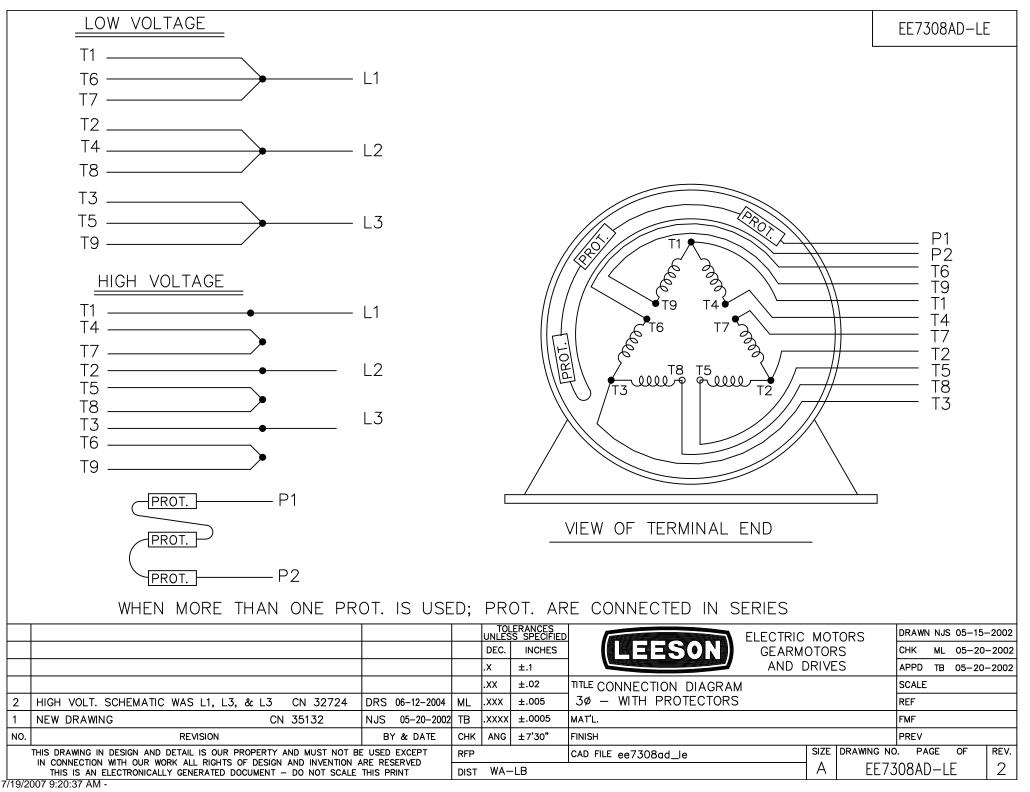
Phase	3	Output HP	15 & 10 Hp
Output KW	11.2 & 7.5 kW	Voltage	230/460 & 190/380 V
Speed	3550 & 2955 rpm	Service Factor	1.15 & 1.15
Frame	254TC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	No Protection	Efficiency	91.7 & 92 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	35/17.5 & 29/14.5 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	N	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	24.02 in
Frame Length	10.50 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	EE7308AD-LE	Outline Drawing	SS203036LE-1050

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### **CERTIFICATION DATA SHEET**

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

### CONN. DIAGRAM: A-EE7308AD-LE

# **CATALOG #:** 825076.00

# **OUTLINE:** B-SS203036LE-1050

**WINDING #:** K256289 6

### MOUNTING: F1 ONLY

#### TYPICAL MOTOR PERFORMANCE DATA

НР	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15&1	) 11.2&7.50	3600	3550&2955	254TC	EPFC	G	В

Pł	l 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		RQUE	LOCKED ROTOR AMPS	L.R. TORQUE				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.		SOUND POWER		ROTOR WK^2		MAX, WK^2		SAFE STALL TIME		STARTS / HOUR	,	
ſ	72	dBA	82	dBA	1.1	LB-FT^2	22	LB-FT^2	20	SEC.	2	310	LBS.

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

DE BRACKET TYPE	BRACKET BRACKET MOUNI ORIENTATION		SEVERE DUTY	SEVERE HAZARDOUS DUTY LOCATION		SCREENS	PAINT	
C-FACE	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	INGS	GREASE	SHAFT TYPE		SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	POLYREX EM	т	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	
309	210	POLIKEX EM	Ι	NONE	NONE	1043 HOT ROLLED (C-204)	CAST IRON	

	THERMO-PROTECT	TUED	THERMISTORS		SPACE HEATERS			
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THER	MISIORS	CONTROL	SFACE HEATER	
TSTATS (N/C)	NOT	NONE	NONE	٦	NONE	FALSE	NONE	VOLTS
*					TORQUE:	CONSTANT E: NONE	10:1	
Ν			E	NCODER:	NONE			
0				NONE NONE	NONE NONE	PPR		
т			E	BRAKE:	NONE	NONE		
_			r	NONE	P/N NOM	IE		
E				NONE	NONE	. <i>.</i>		
			1	NONE F	T-LB NO	ne V i	none Hz	

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