PRODUCT INFORMATION PACKET



Model No: 825079.00 Catalog No: 825079.00

Explosion Proof Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,

256TC Frame, EPFC









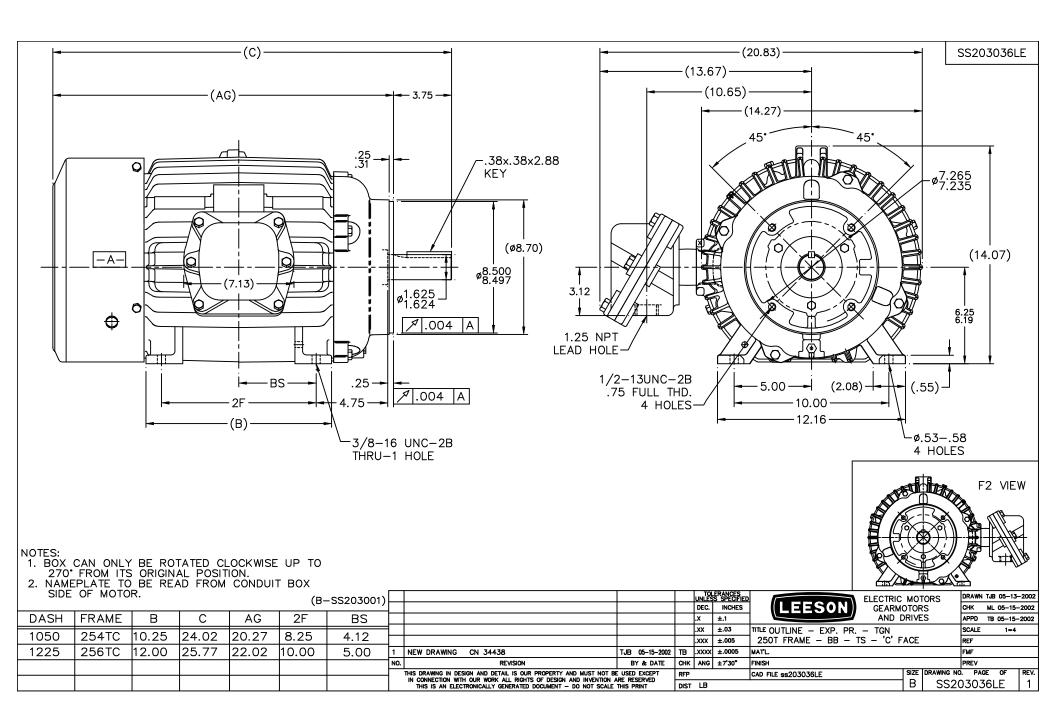
Nameplate Specifications

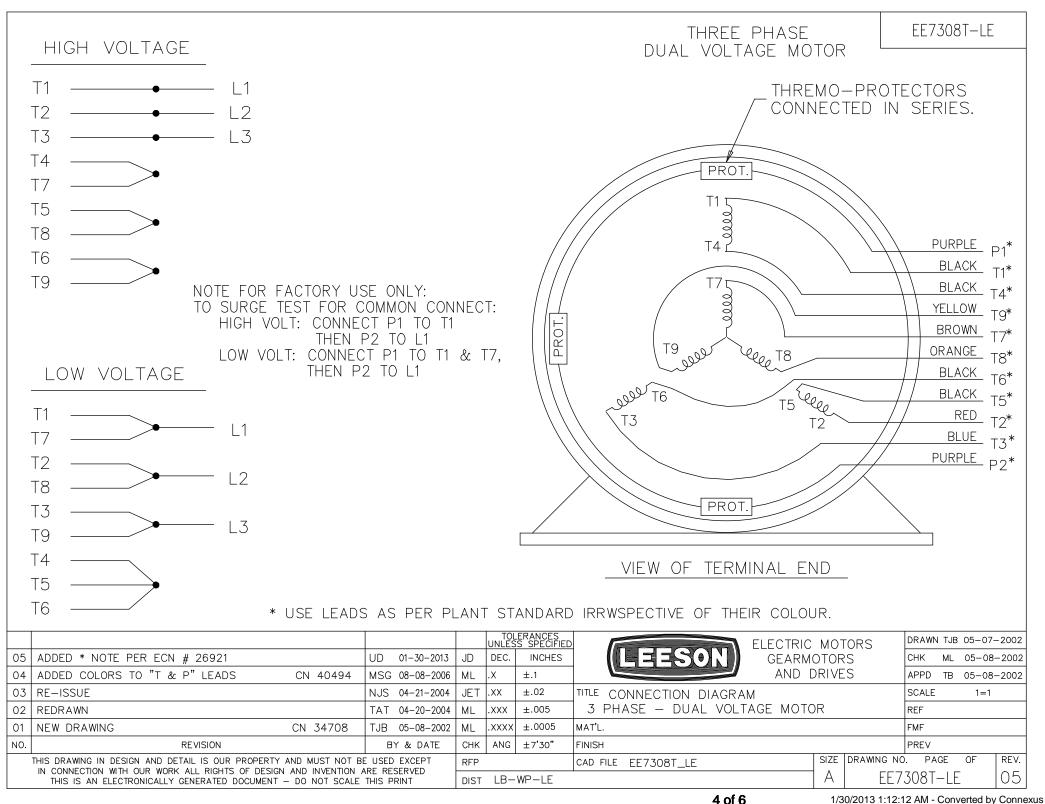
Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V
Speed	1775 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	256TC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	No Protection	Efficiency	93 & 92.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	48/24.1 & 44/22 A	Power Factor	84
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	Υ
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	4	Rotation	Reversible
Resistance Main	.474 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	25.77 in
Frame Length	12.25 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	EE7308T-LE	Outline Drawing	SS203036LE-1225

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CERTIFICATION DATA SHEET

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

CATALOG #:825079.00

CONN. DIAGRAM: A-EE7308T-LE

OUTLINE: B-SS203036LE-1225 MOUNTING: F1 ONLY

WINDING #: K2564164 6

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	PM F.L. RPM FRAME		ENCLOSURE	KVA CODE	DESIGN
20&15	14.9&11.2	1800	1775&1475	256TC	EPFC	G	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60/50	230/460&190/380	48/24.1&44/22	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	93&92.5	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	93	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	84&83.5	3/4 LOAD PF:	81	1/2 LOAD PF:	72	92.4	SQ CAGE INV RATED

F.L. TORQUE LOCKED ROTOR AMPS		L.R. TO	B.D. TORQUE			F.L. RISE°C	
59.2 LB-FT	276 / 138	105 LB-F	T 177 %	146	LB-FT	247 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX, WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	3.2 LB-FT^2	125 LB-FT^2	25 SEC.	2	400 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	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	ARINGS		SHAFT TYPE	CDECTAL DE	SPECIAL ODE	SHAFT	FRAME
DE	ODE	GREASE	SHAFI ITPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	т	NONE	NONE	1045 HOT DOLLED (C 204)	CAST IRON
309	210	POLTREX EM	l	NONE	NONE	1045 HOT ROLLED (C-204)	CASTIRON

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

INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: NONE Ν **ENCODER:** NONE NONE NONE 0 NONE PPR NONE BRAKE: NONE Т NONE P/N NONE NONE Ε NONE NONE FT-LB NONE V NONE Hz

