

PRODUCT INFORMATION PACKET



Model No: 194241.00
Catalog No: 194241.00

SE 444TTFC6685 100HP..1200RPM.444T.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....ROLLER BRGS.



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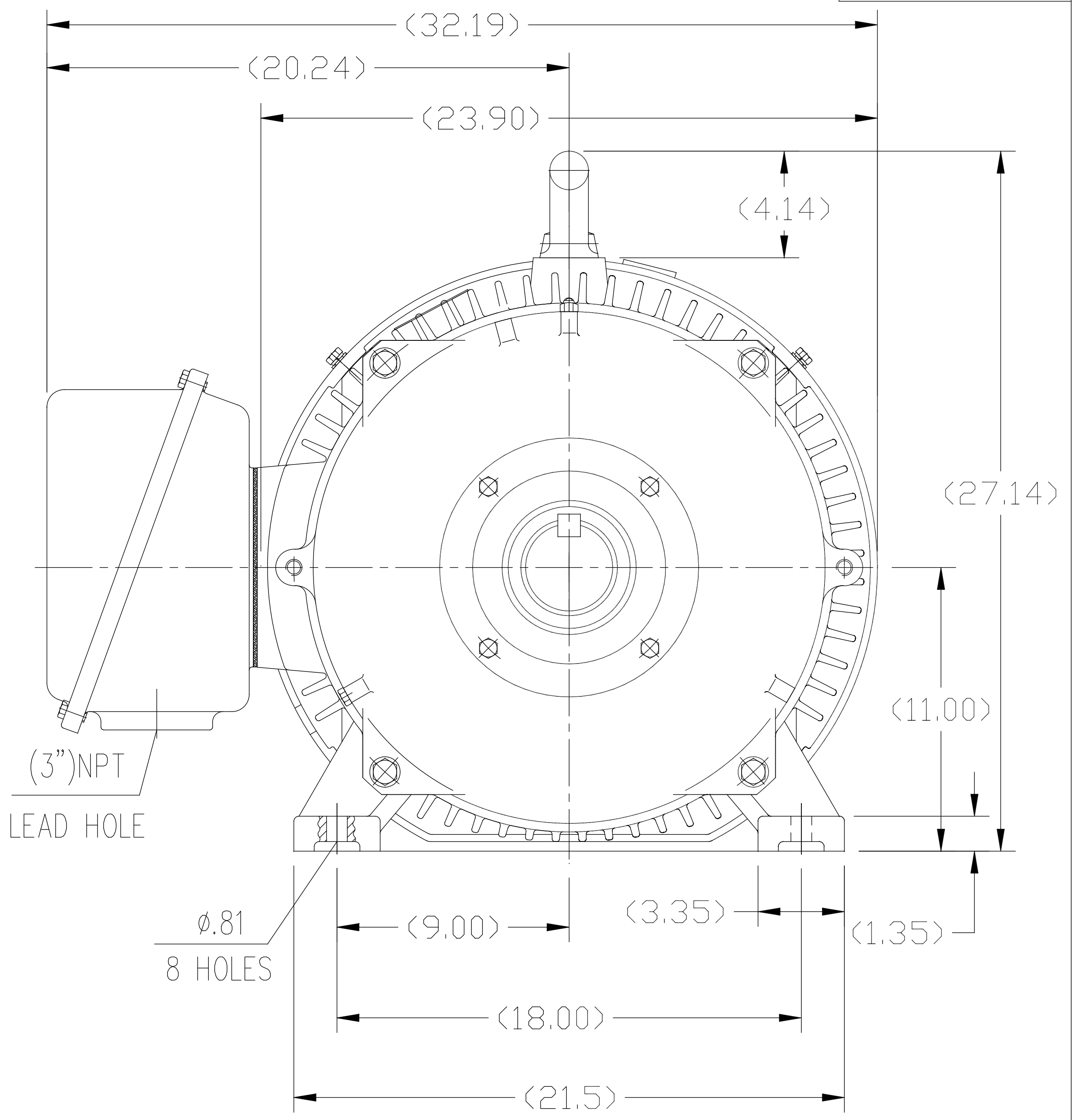
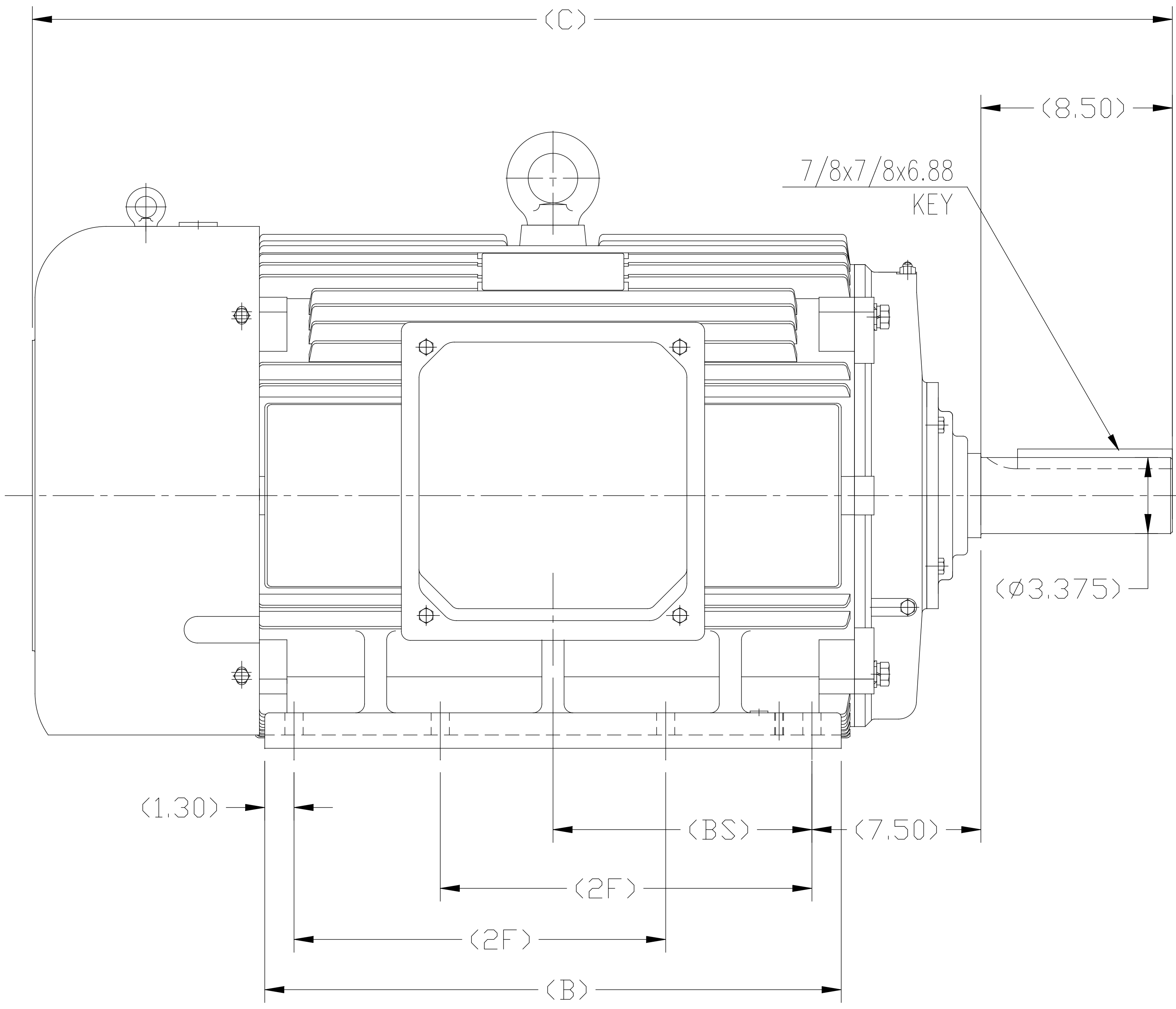
Nameplate Specifications

Phase	3	Output HP	100 & 75 Hp
Output KW	75.0 & 56.0 kW	Voltage	230/460 & 190/380 V
Speed	1188 & 990 rpm	Service Factor	1.15 & 1.15
Frame	444T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	228/114 & 210/105 A	Power Factor	86.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	NU319	Opp Drive End Bearing Size	6317
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.045 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Roller
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2:1		
Outline Drawing	SS620287-444T	Connection Drawing	A-EE7308AA-LE

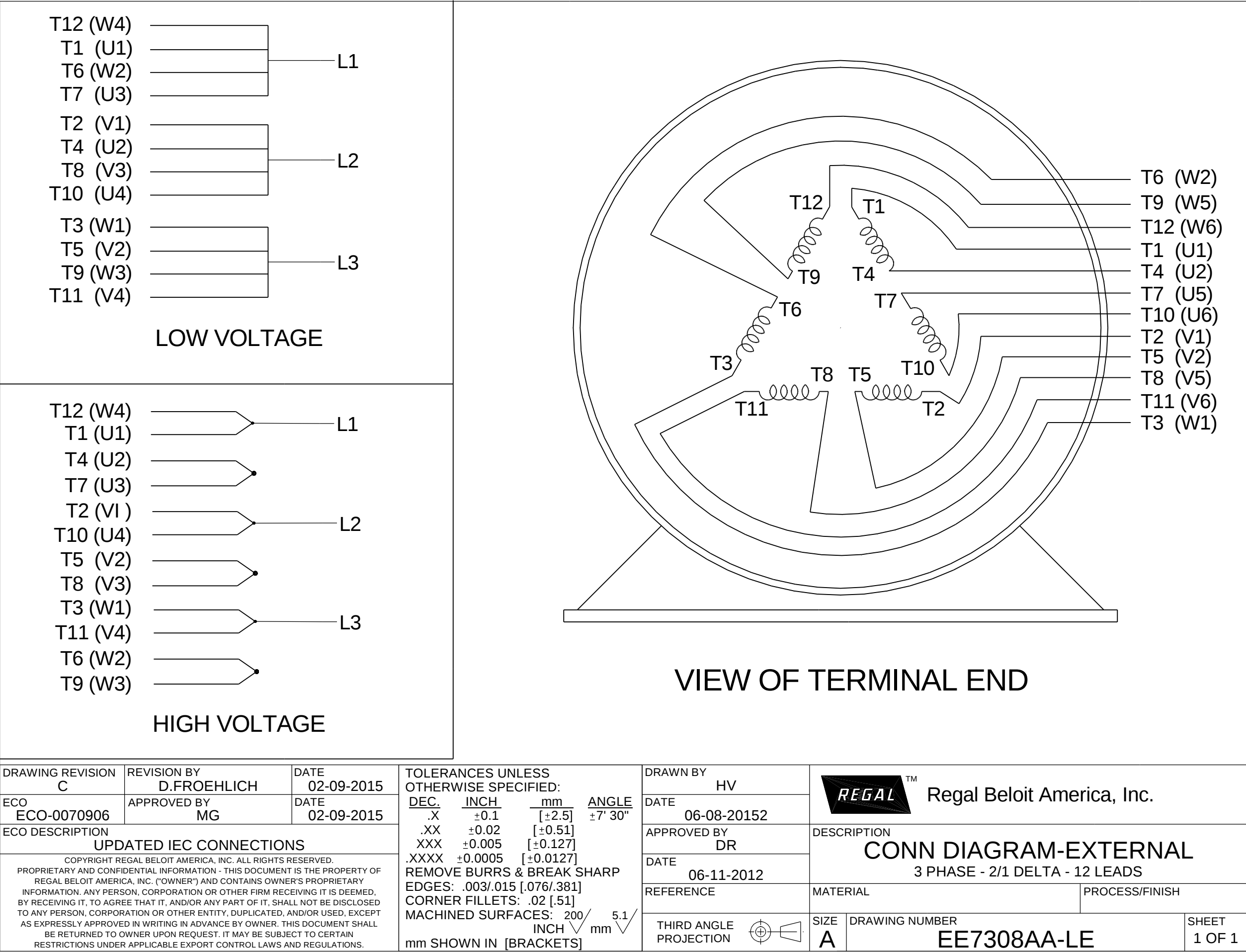
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- 1. THIS MOTOR IS NOT DUAL DRILLED FOR 444T/445T OR 447T/449T
- 2. THIS MOTOR IS DRILLED FOR F1/F2 CAPABILITY

444T	50.79	25.60	14.50	11.50
445T	50.79	25.60	16.50	11.50
447T	55.91	30.70	20.00	14.06
449T	55.91	30.70	25.00	---
Frame	C	B	2F	BS

				TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION		DRAWN ZYH 02-20-2010			
				DEC.	INCHES			CHK HZJ 02-20-2010			
				.X	±.1			APPD CL 02-20-2010			
F	UPDATED DRAWING PER MARK-UP ECD-0108274		WGJ 7-10-16	EMH .XX	±.03	TITLE OUTLINE 444/445/447/449T FR-TEFC-CAST IRON		SCALE 1=6			
B	ADDED 'BS' DIM. UPDATED TITLE BLOCK ECD-0048910		RFH 4-7-14	EH .XXX	±.005			REF			
A	2 leads hole change to 1		CL 2010-9-8	.XXXX	±.0005	MAT'L.		FMF HWADA			
NO.	REVISION		BY & DATE	CHK	ANG	±1/2°	FINISH		PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP		CAD FILE SS620287		SIZE	DRAWING NO.		REV.
				DIST				B	SS620287		F





CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE7308AA-LE

CATALOG #: 194241.00

OUTLINE: SS620287-444T

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT44460001 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
100&75	75.0&56.0	1200	1188&990	444T	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	228/114&210/105	PWS OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	95&95	3/4 LOAD EFF:	95	1/2 LOAD EFF:	94.5	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	86.5&86.5	3/4 LOAD PF:	85	1/2 LOAD PF:	79	94.5		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
442 LB-FT	1450 / 725	850 LB-FT 192 %	1025 LB-FT 232 %	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	95 LB-FT^2	1400 LB-FT^2	25 SEC.	2	2700 LBS.

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

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
ROLLER	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	CAST IRON
NU319	6317						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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INVERTER TORQUE: CONSTANT 2:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

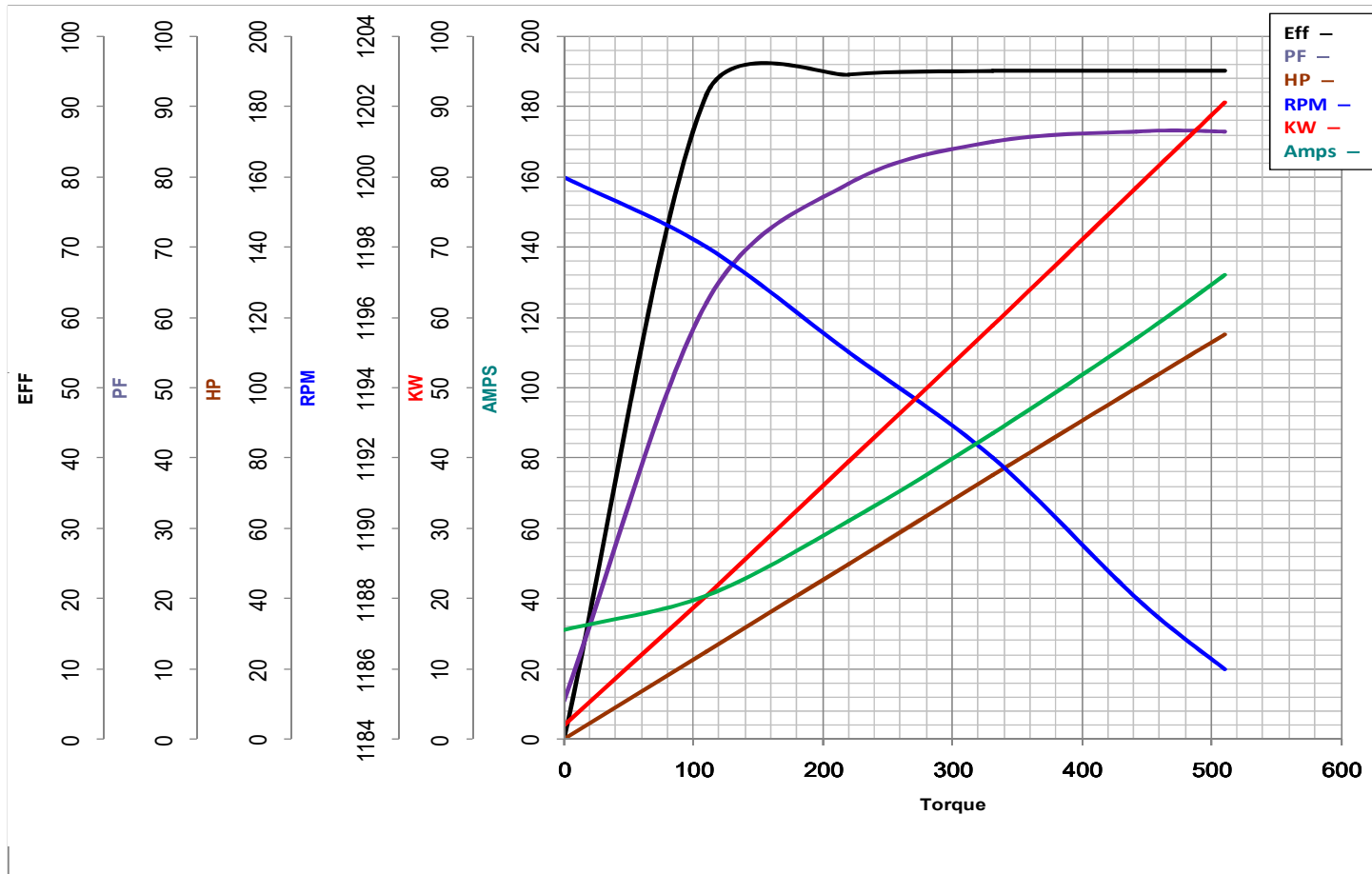
NONE NONE

NONE FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 194241.00Curve at 460
60
100Volts
HZ
HPHP 100&75PHASE 3VOLTS 230/460&190/380Catalog No 194241.00HZ 60&50RPM 1188&990

Torque in Lb.Ft

FL TORQUE 442 Lb.Ft
 BD TORQUE 1025 Lb.Ft
 LR TORQUE 850 Lb.Ft

FL AMPS 228/114
 PU TORQUE 700.0 Lb.Ft
 LR AMPS 725

WINDING CHT44460001-1

Date 12/13/2018