

PRODUCT INFORMATION PACKET



Model No: 194243.00

Catalog No: 194243.00

USE 445TTFC6685..125HP..1200RPM.445T.TEFC.460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....ROLLER BRGS.....



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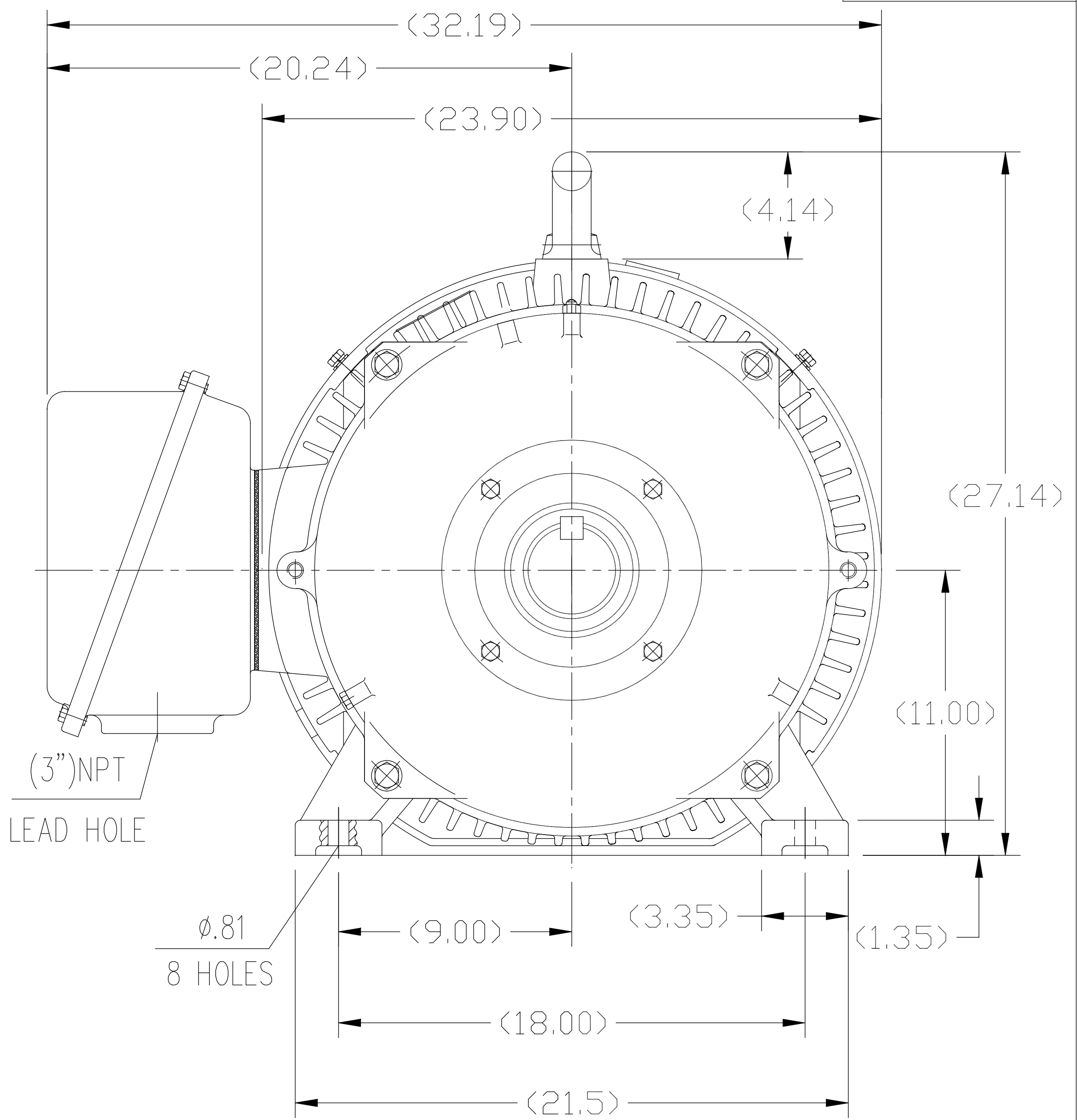
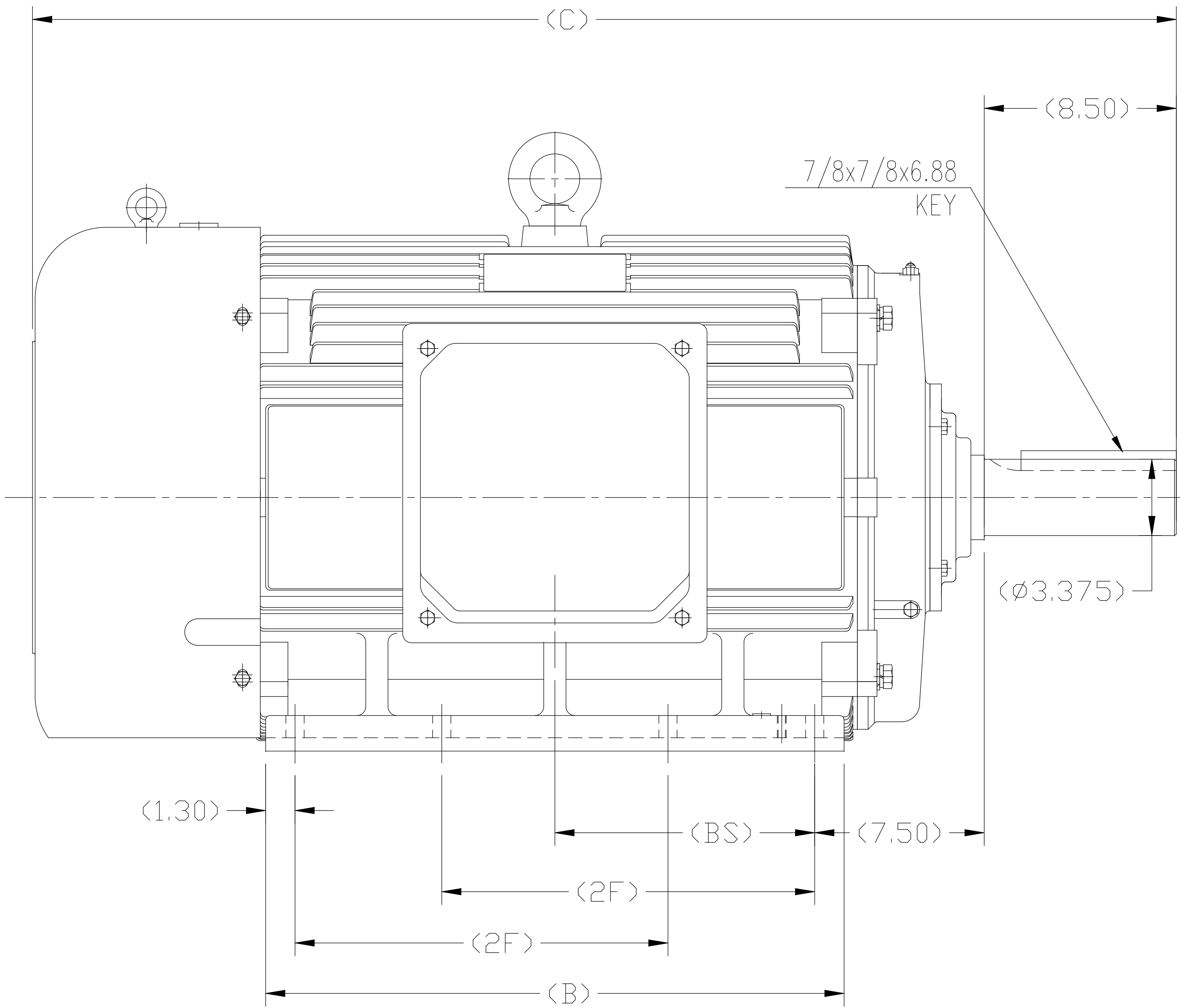
Nameplate Specifications

Phase	3	Output HP	125 & 100 Hp
Output KW	93.0 & 75.0 kW	Voltage	460 & 380 V
Speed	1188 & 988 rpm	Service Factor	1.15 & 1.15
Frame	445T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	142 & 138 A	Power Factor	86
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	.035 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	SS620287-445T	Connection Drawing	A-EE7341C-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		SCALE 1=6	
B	ADDED 'BS' DIM. UPDATED TITLE BLOCK	ECD-0048910	RFH 4-7-14	EH .XXX	±.005	444/445/447/449T FR-TEFC-CAST IRON		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

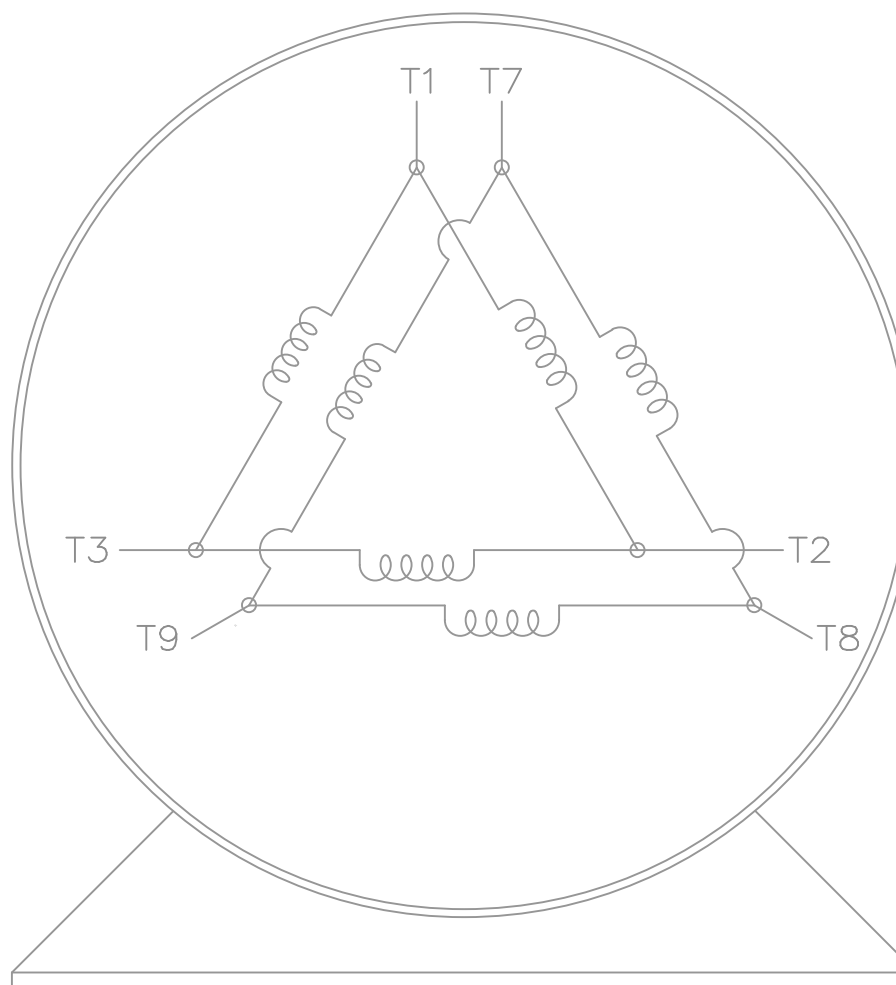
THREE PHASE — PART WINDING START DELTA — 6 LEADS

START

CONNECT T1 TO LINE 1
CONNECT T2 TO LINE 2
CONNECT T3 TO LINE 3
T7-T8-T9 OPEN

RUN

CONNECT T1&T7 TO LINE 1
CONNECT T2&T8 TO LINE 2
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES			DRAWN KL 07-23-2002			
				DEC.	INCHES					CHK DJK 07-23-2002			
				.X	± -					APPD EAB 07-23-2002			
				.XX	± -					SCALE 1=1			
				.XXX	± -	TITLE CONNECTION DIAGRAM 3ø - 6 LEADS			REF				
1	NEW DRAWING	MU42766	KL 07-23-2002	.XXXX	± -	MAT'L.			FMF				
NO.	REVISION		BY & DATE	CHK	ANG	± -	FINISH			PREV			
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				DIST WA-LB-LE					A	EE7341C-LE			1



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE7341C-LE

CATALOG #: 194243.00

OUTLINE: SS620287-445T

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT44560001 2

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
125&100	93.0&75.0	1200	1188&988	445T	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	460&380	142&138	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&86.5	3/4 LOAD PF:	85	1/2 LOAD PF:	80	94.1		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
552 LB-FT	907	1025 LB-FT 185 %	1250 LB-FT 225 %	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	108 LB-FT^2	- LB-FT^2	25 SEC.	-	2750 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



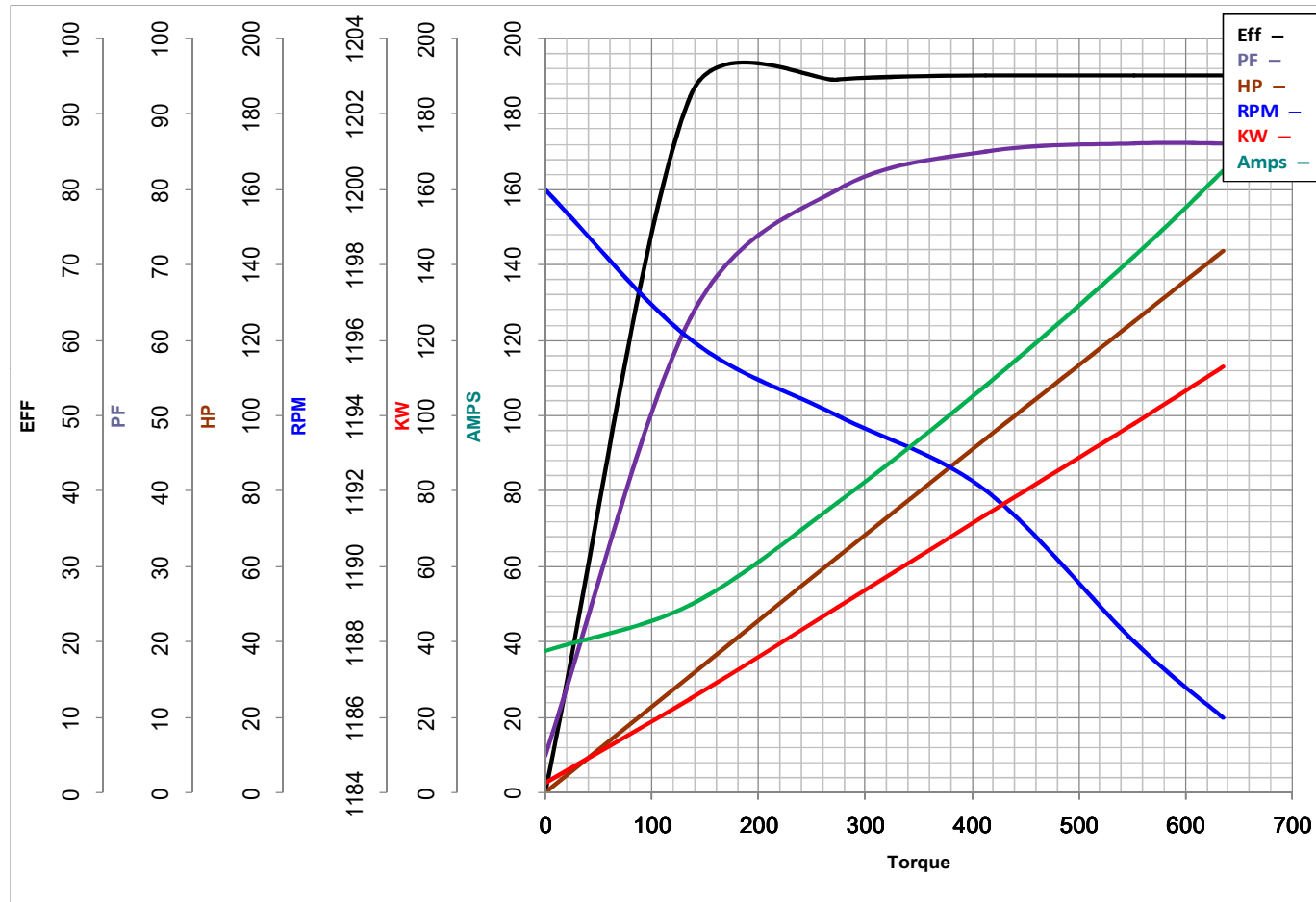
LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 194243.00

Curve at

460
60
125

Volts
HZ
HP
HP 125&100PHASE 3VOLTS 460&380Catalog No 194243.00HZ 60&50RPM 1188&988

Torque in Lb.Ft

FL TORQUE 552 Lb.Ft
BD TORQUE 1250 Lb.Ft
LR TORQUE 1025 Lb.Ft

FL AMPS 142
PU TORQUE 900.0 Lb.Ft
LR AMPS 907

WINDING CHT44560001-2

Date 12/13/2018