

PRODUCT INFORMATION PACKET



Model No: 194195.00

Catalog No: 194195.00

Other Purpose Motor, 250 & 200 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 447/449T Frame,
TEFC



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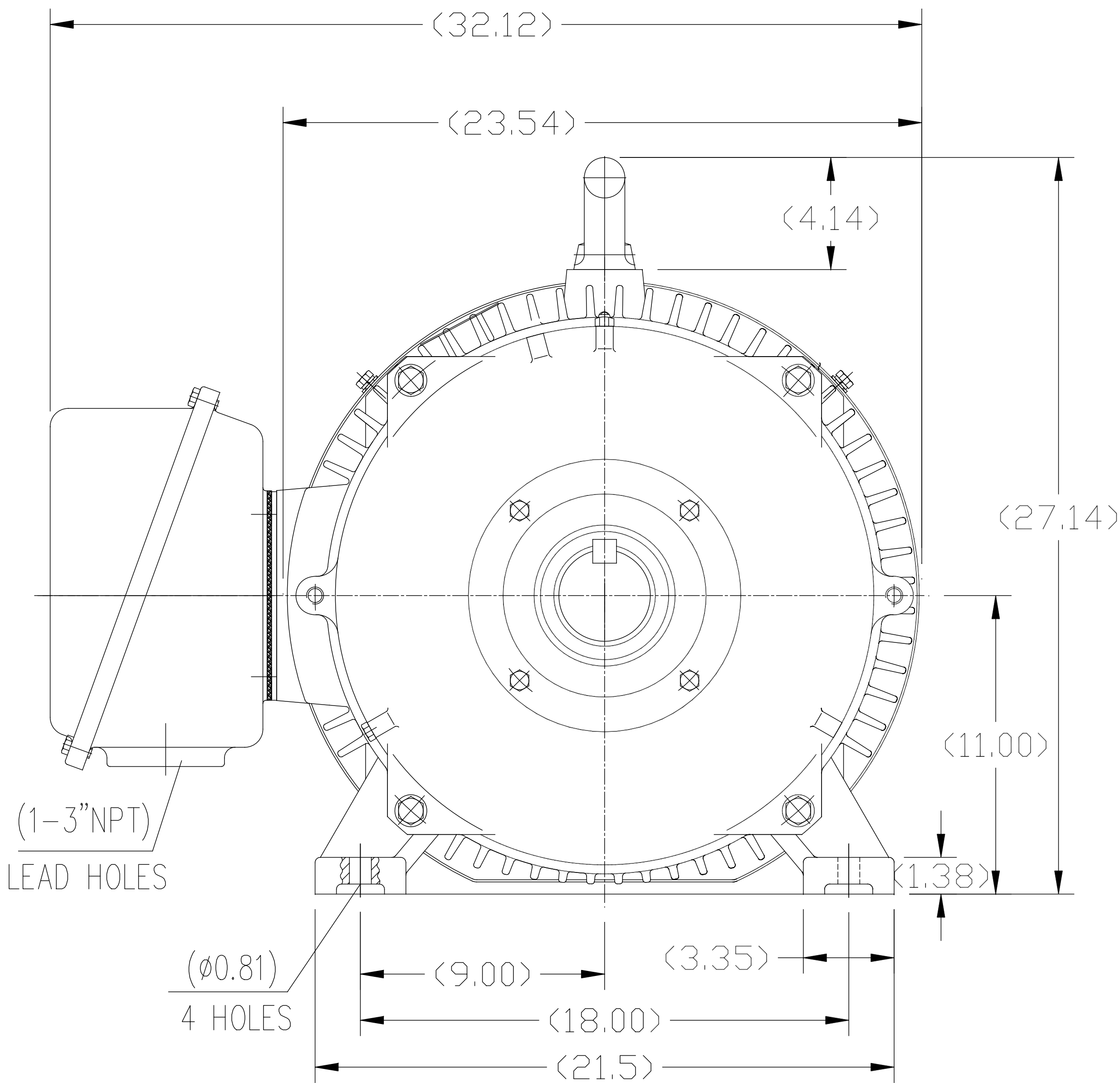
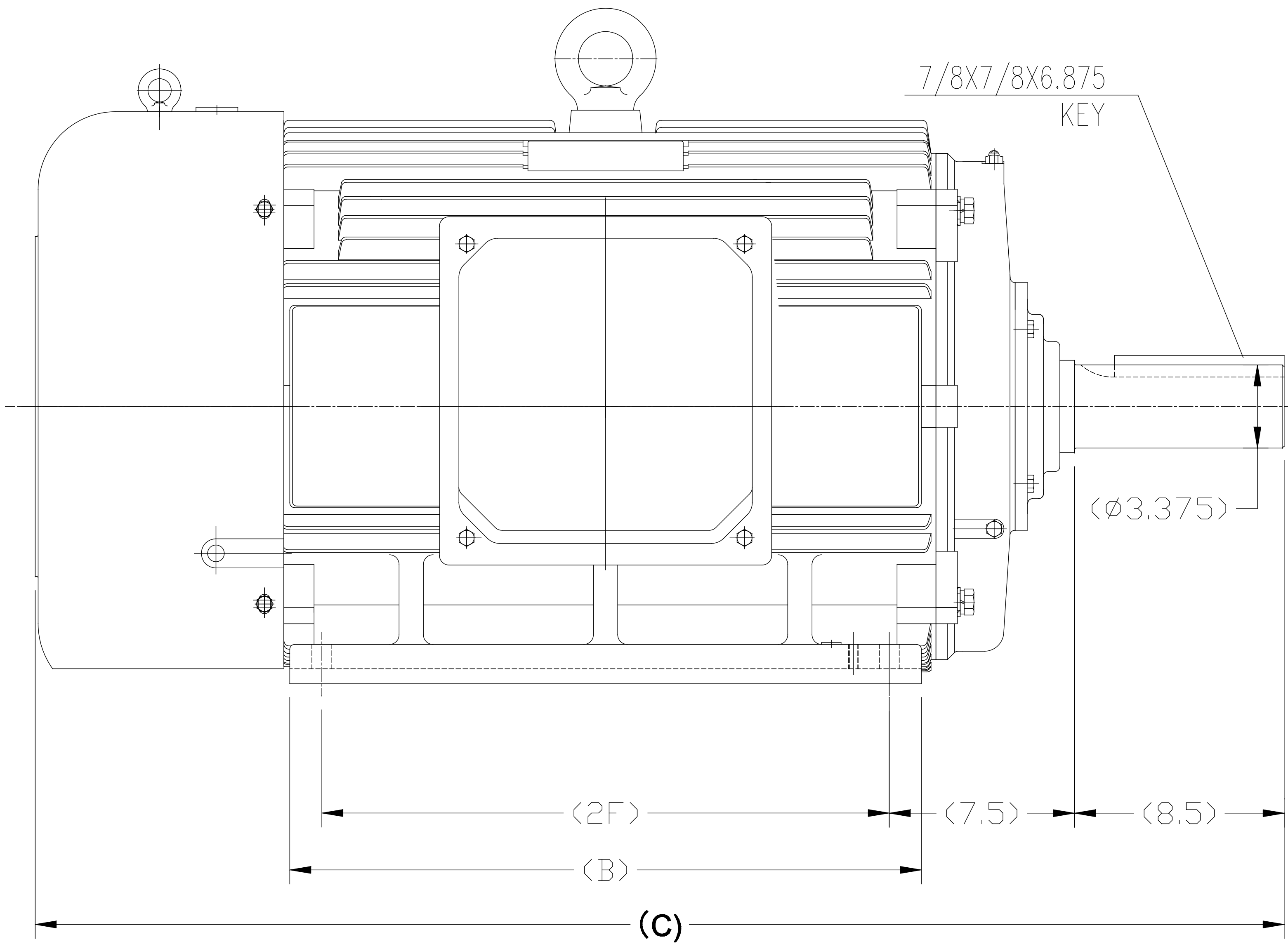


Nameplate Specifications

Phase	3	Output HP	250 & 200 Hp
Output KW	187.0 & 149.0 kW	Voltage	460 & 380 V
Speed	1790 & 1490 rpm	Service Factor	1.15 & 1.15
Frame	447/449T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	96.2 & 95.8 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	280 & 277 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	C	KVA Code	G
Drive End Bearing Size	NU319	Opp Drive End Bearing Size	6317
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.012 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Roller
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	55.91 in
Frame Length	31.88 in	Shaft Diameter	3.375 in
Shaft Extension	8.81 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2:1		
Outline Drawing	SS620788-449T	Connection Drawing	EE7300CB-LE



449T	55.91	30.70	25.00
Frame	C	B	2F

		TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION		DRAWN ZYH 04-22-2012	
		DEC.	INCHES			CHK HZJ 04-22-2012	
		.X	±.1			APPD WGH 04-22-2012	
		.XX	±.03			SCALE	
		.XXX	±.005	TITLE		OUTLINE-449T FR	
A	RELEASED FOR PRODUCTION	ECO-0118824	WGJ 2/24/17	EMH .XXXX	±.0005	MAT'L.	
NO.	REVISION	BY & DATE	CHK ANG	±1/2	FINISH	REF	
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	SS620788	SIZE
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 T1 _____
 T6 _____
 T7 _____

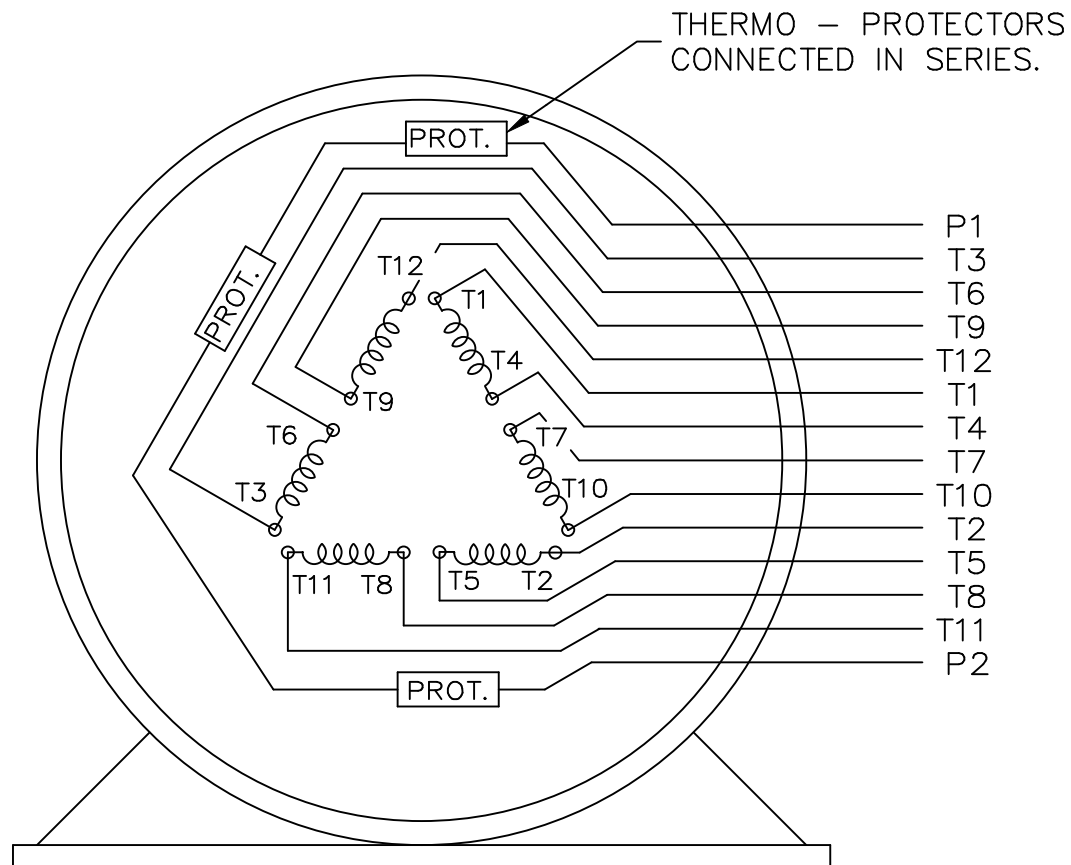
LINE 1

T2 _____
 T4 _____
 T8 _____
 T10 _____

LINE 2

T3 _____
 T5 _____
 T9 _____
 T11 _____

LINE 3



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN KL 02-27-2003			
				DEC.	INCHES				CHK GFH 03-03-2003			
				.X	± -				APPD JES 03-03-2003			
				.XX	± -				SCALE 1=1			
				.XXX	± -	TITLE CONNECTION DIAGRAM - EXTERNAL 12 LEAD SINGLE VOLTAGE			REF			
1	NEW DRAWING	MU45634	KL 03-03-2003	.XXXX	± -				MAT'L.			FMF
NO.	REVISION		BY & DATE	CHK	ANG	± -	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 EE7300CB-LE			SIZE	DRAWING NO. PAGE OF		REV.
				DIST WA-LE-SB					A	EE7300CB-LE		1

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STACK:



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7300CB-LE

CAT #: 194195.00

OUTLINE: SS620677

WINDING: CHT44940004

NONE 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
250	187	1800	1790	447/449T	TEFC	TFC	G	C

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	460#380	280&277	PWS & YDRUN OR INV	CONT	F	1.15	40	3300

F.L. EFF	96.2	3/4 LD EFF	96.2	1/2 LD EFF	95.4	GTD EFF	95.4	ELECT. TYPE	SQ CAGE INV RATED
F.L. PF	87.0	3/4 LD PF	85.0	1/2 LD PF	80.0				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
734 LB-FT	1,825	1,700 LB-FT 232%	1,800 LB-FT 245%	80

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
75 dBA	84 dBA	100 LB-FT²	0 LB-FT²	25 SEC.	0	3200 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	UM SEVERE	NONE	NO	NONE	BLUE (EPOXY)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
ROLLER BALL	SHC-100/POLYREX	T	NONE	NONE	4140 STRESSPROOF (C-214)	CAST IRON
NU319 6317						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
TSTATS 160(N/C)	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.009	0.006	0.064	0.149	3.386	0.080	NONE

* N O T E S *		INVERTER TORQUE: CONSTANT 2:1 INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE	NONE PPR

DATE: 1/23/2018	BRAKE: NONE NONE FT-LB: NA VOLTAGE: NONE UL: Y-(LEESON UL REC)	NONE NONE HZ:
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Data Sheet

Date: 1/23/2018

194195.00



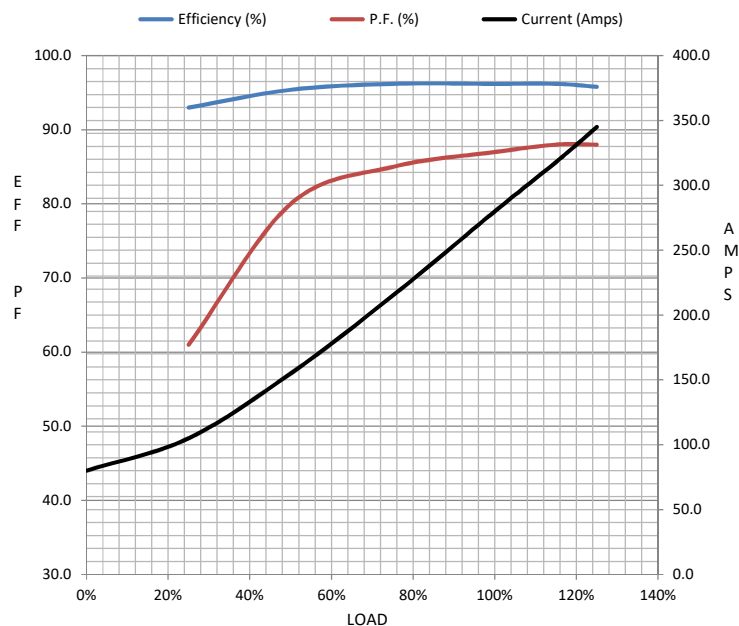
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	80.0	105	155	215	280	318	345	1,825	
Torque (ft-lb)	0.00	183	366	550	734	845	920	1,700	
RPM	1800	1796	1794	1792	1790	1,788	1786	0	
Efficiency (%)		93.0	95.4	96.2	96.2	96.2	95.8		
P.F. (%)	5.0	61.0	80.0	85.0	87.0	88.0	88.0	39.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	900	1725	1790	1800	HP	250.0
Current (Amps)	1,825	1,700	1,000	280	80.0	Sync. RPM	1800
Torque (ft-lb)	1,700	1,450	1,800	734	0.00	Frame	449



Frame	449			
Enclosure	TEFC			
Construction	TFC			
Voltage	460#380	V		
Frequency	60	Hz		
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	80	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	100	Lb-Ft²		
Ref Wdg	CHT44940004 NONE			
Sound Pressure @ 1M	75	dBA		
VFD Rating	CONSTANT 2:1			
Outline Dwg	SS620677			
Conn. Diag	EE7300CB-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0090	0.0060	0.0640	0.1490	3.3860

Speed -Torque Curve

