

PRODUCT INFORMATION PACKET

Model No: 449TTFC6080

Catalog No: GT1156

200 HP, General Purpose Motor, 3 phase, 1200 RPM, 575 V, 449T Frame, TEFC
General Purpose Motors





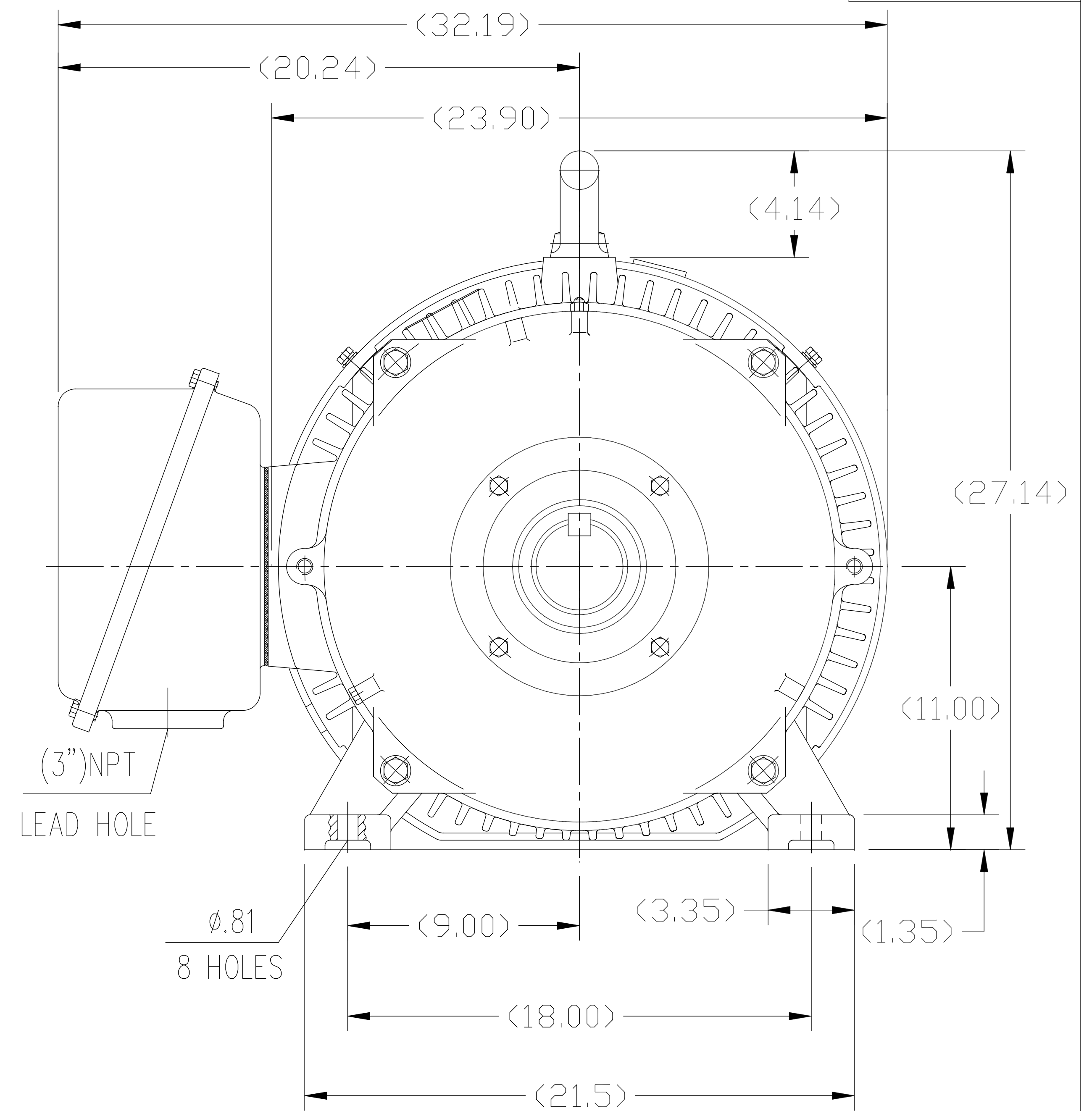
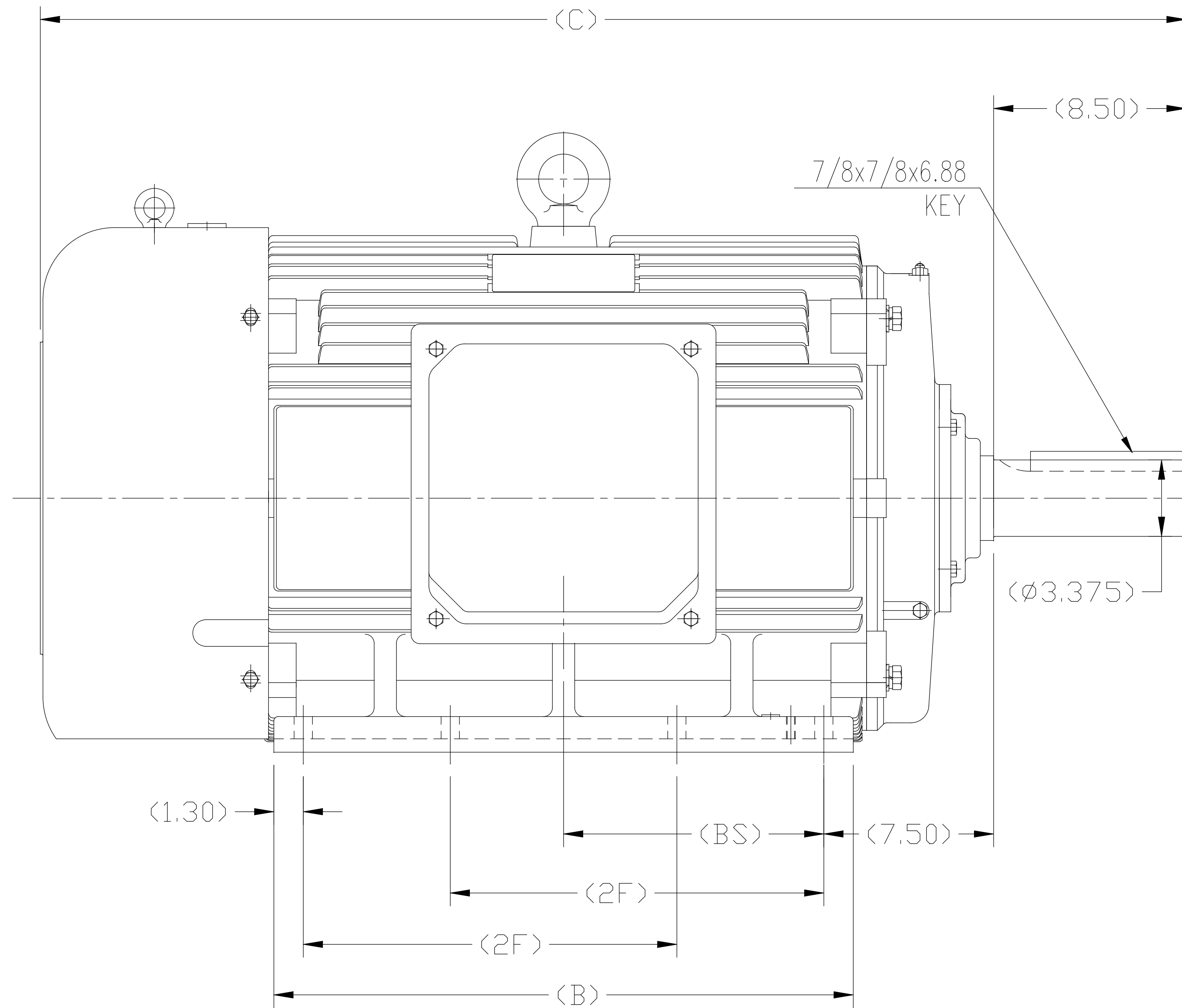
Nameplate Specifications

Output HP	200 Hp	Output KW	149.0 kW
Frequency	60 Hz	Voltage	575 V
Current	182.0 A	Speed	1190 rpm
Service Factor	1.15	Phase	3
Efficiency	95.8 %	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	447/449T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6319	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 Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	.018 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	55.91 in
Shaft Diameter	3.375 in	Shaft Extension	8.5 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620287-449T	Connection Drawing	A-EE7300

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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 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
B	ADDED 'BS' DIM. UPDATED TITLE BLOCK ECD-0048910	RFH	4-7-14	EH	.XXX	±.005	444/445/447/449T FR-TEFC-CAST IRON
A	2 leads hole change to 1	CL	2010-9-8		.XXXX	±.0005	MAT'L.
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	FMF HWADA
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.
				DIST	B		SS620287
						REV. F	

**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

**TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.**

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**



A-9806 DECAL

**OPTIONAL CORD
CONNECTION**



DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR	
MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7300
SHEET 1 OF 1	

CERTIFICATION DATA SHEET

Model#: 449TTFC6080 AA
CONN. DIAGRAM: A-EE7300
OUTLINE: B-SS620287

WINDING#: CHT44960001 NONE 3
ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
200	149	1200	1190	447/449T	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	182	ACROSS THE LINE	CONTINUOUS	F7	1.15	40	3300

FULL LOAD EFF: 95.8	3/4 LOAD EFF: 95.8	1/2 LOAD EFF: 95.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 86	3/4 LOAD PF: 85	1/2 LOAD PF: 79	95.4	SQ CAGE IND RUN	50

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
883 LB-FT	1140	1650 LB-FT 186	1900 LB-FT 215	80

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	145 LB-FT^2	- LB-FT^2	25 SEC.	2	3050 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	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6319	6317						

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

If Inverter equals NONE, contact factory for further information

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N
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INVERTER TORQUE: NONE
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

DATE: 06/21/2017 07:03:32 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 6/29/2017

449TFC6080

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



Submittal

Data @ 575 V

Motor Load Data

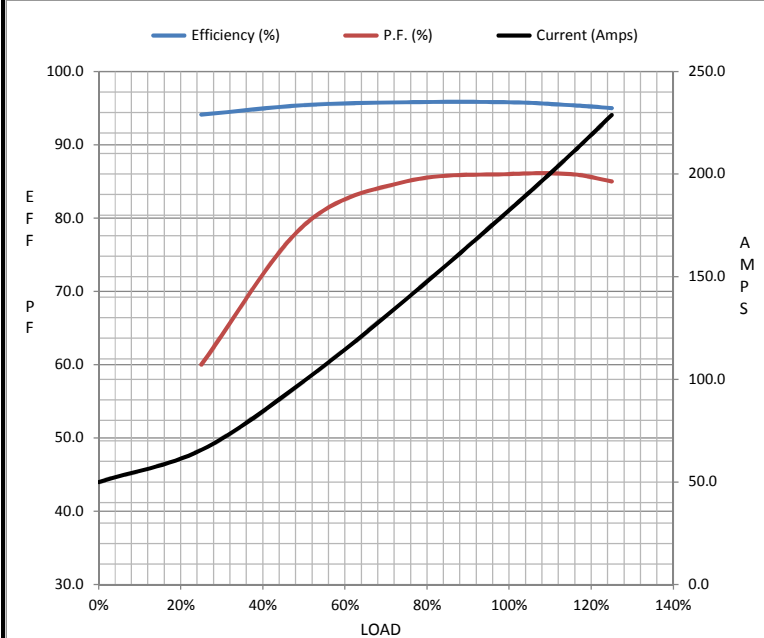
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	50.0	65.6	99.2	139	182	210	229	1,140
Torque (ft-lb)	0.00	220	440	661	883	1,018	1,106	1,650
RPM	1200	1196	1194	1192	1190	1,188	1185	0
Efficiency (%)		94.1	95.4	95.8	95.8	95.4	95.0	
P.F. (%)	4.0	60.0	79.0	85.0	86.0	86.0	85.0	31.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1150	1190	1200
Current (Amps)	1,140	1,080	600	182	50.0
Torque (ft-lb)	1,650	1,450	1,900	883	0.00

Information Block

HP	200.0			
Sync. RPM	1200			
Frame	449			
Enclosure	TEFC			
Construction	TFC			
Voltage	575 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 wk ²	145 Lb-Ft ²			
Ref Wdg	CHT44960001 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS620287			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0210	0.0160	0.1820	0.3110	6.6450



Speed -Torque Curve

