

PRODUCT INFORMATION PACKET

Model No: 445TSHFN9026
Catalog No: W611
150,1800,TEFC,445TS,3/60/460
Severe Duty



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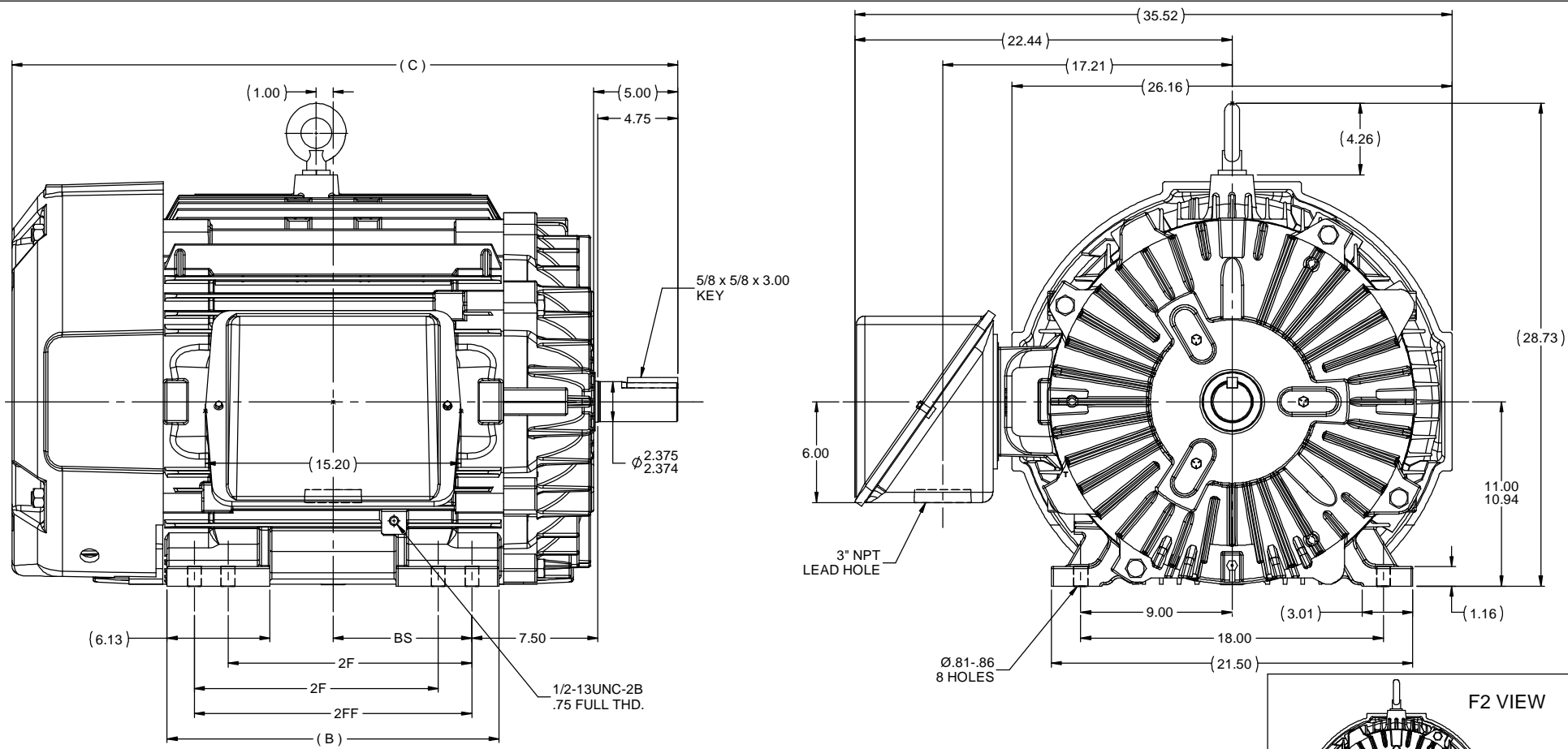
Nameplate Specifications

Output HP	150 Hp	Output KW	112.0 kW
Frequency	60 Hz	Voltage	460 V
Current	172.0 A	Speed	1785 rpm
Service Factor	1.15	Phase	3
Efficiency	95.8 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	445TS
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6313
Opp Drive End Bearing Size	6313	UL	Recognized
CSA	Y	CE	Y
IP Code	56		

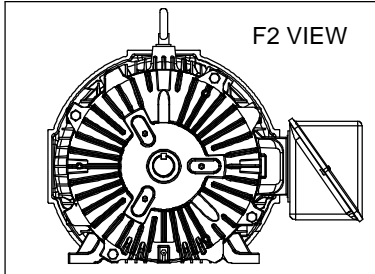
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	TS
Overall Length	39.6 in	Frame Length	20.25 in
Shaft Diameter	2.375 in	Shaft Extension	5 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	B-SS516995-2025	Connection Diagram	A-EE7300U

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- NOTES:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.



TOLERANCES UNLESS SPECIFIED		DEC		INCHES	
4	UPDATED FRAME TO CURRENT STD'S. ISAAC 09-5049	JJB	7/16/2012	EH	x ±.1
3	CHG. TO SHORT FAN GUARD PER CN 39335	RWR	2/19/2007	ML	xx ±.03
2	ADDED F2 VIEW TO MOTOR	ERH	2/24/2003	ML	xxx ±.005
1	NEW DRAWING	CAE	2/18/1999	xxxx	±.0005
				LANG	±1/2"

THIRD ANGLE PROJECTION					
RFP 02-18-1999		PREV		FINISH	
NETWORK FILE NAME		SS516995		TITLE OUTLINE - TEFC	
				444/445TS FR. - OVER SIZE C'BOX	

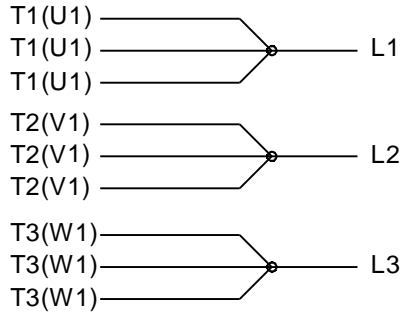
DRAWN CAE 02-08-1999		CHK ML 02-15-1999		APPR JHL 02-18-1999	
SCALE 1:6		REF		FMF	
PAGE		OF			

DASH	FRAME	B	C	2F	2FF	BS
2025	444/445TS	19.75	39.60	14.50	16.50	8.25

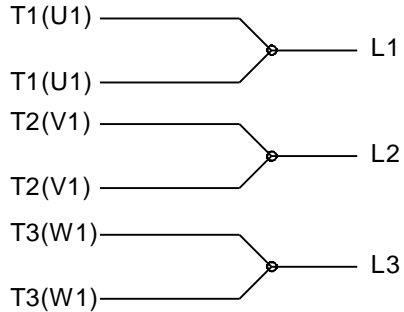
NO	REVISION	BY & DATE	CHK	LANG	±1/2"	FINISH

SIZE	DRAWING NO	REV
B	SS516995	4

IF MOTOR HAS 9 LEADS

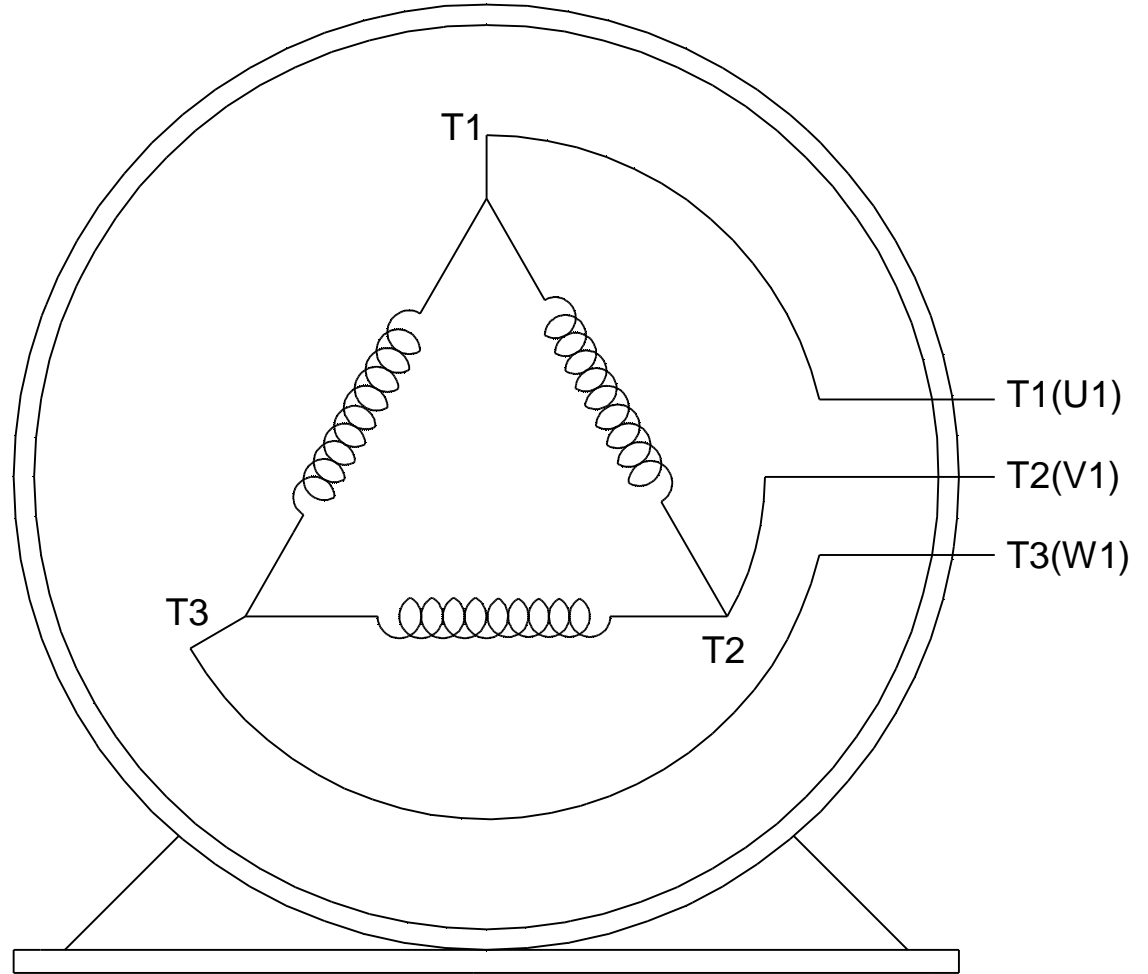


IF MOTOR HAS 6 LEADS



A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS



VIEW OF TERMINAL END

DRAWING REVISION L	REVISION BY AJW	DATE 05-04-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE	DRAWN BY DRS	Regal Beloit America, Inc.		
ECO ECO-0077067	APPROVED BY EWH	DATE 05-05-2015	.X ±0.1 [±2.5] ±7' 30"	DATE 09-27-1996			
ECO DESCRIPTION UPDATED TO SOLIDWORKS			.XX ±0.02 [±0.51]	APPROVED BY GK	CONN DIAGRAM-EXTERNAL 3Ø SINDLE VOLTAGE		
<small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>			.XXX ±0.005 [±0.127]	DATE 09-30-1996			
						.XXXX ±0.0005 [±0.0127]	REFERENCE
						REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 INCH 5.1 mm	THIRD ANGLE PROJECTION
						mm SHOWN IN [BRACKETS]	

Data Sheet

Date: 6/16/2017

445TSHFN9026

Customer:



Submital

Attention:

EARL BABBITTS

Data @ 460 V

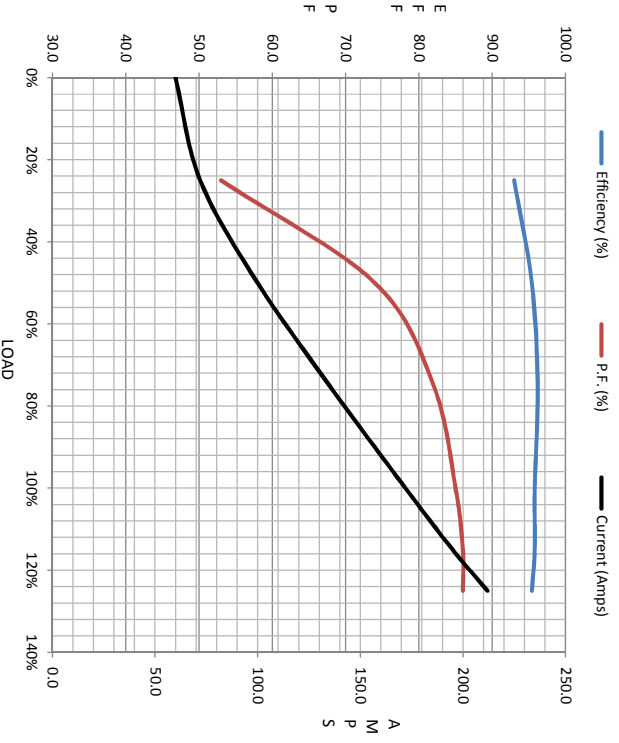
Submitted by:

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	60.0	72.0	100	135	172	195	212	1,085
Torque (ft-lb)	0.00	110	220	330	441	508	553	800
RPM	1800	1796	1792	1790	1785	1,782	1780	0
Efficiency (%)		93.0	95.4	96.2	95.8	95.8	95.4	
P.F. (%)	4.5	53.0	74.0	82.0	85.0	86.0	86.0	28.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block
Speed (rpm)	0	900	1725	1785	1800	HP 150.0
Current (Amps)	1,085	950	600	172	60.0	Sync. RPM 1800
Torque (ft-lb)	800	775	1,150	441	0.00	Frame 445
						Enclosure TEFC
						Construction TFN
						Voltage 460 V
						Frequency 60 Hz
						Design A
						LR Code letter G
						Service Factor 1.15
						Temp Rise @ FL 70 °C
						Duty CONT
						Ambient 40 °C
						Elevation 1,000 feet
						Rotor/Shaft wkt 47.0 Lb-Fe
						Rel Wdg T44541Z7 NONE
						Sound Pressure @ 1M 75 dBA
						VFD Rating CONSTANT 10:1
						Outline Dwg B-SS516995-2025
						Conn. Diag A-EE7300U
						Additional Specifications:
						0
						0
						EQUIV CKT (OHMS / PHASE)
						R1 R2 X1 X2 Xm
						0.0210 0.0120 0.1580 0.1590 4.4090



	R1	R2	X1	X2	Xm
EQUIV CKT (OHMS / PHASE)	0.0210	0.0120	0.1580	0.1590	4.4090

