

# PRODUCT INFORMATION PACKET



Model No: 445TSTFN4001

Catalog No: E981

Other Purpose Motor, 150 & 125 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 & 3000 RPM, 445TS Frame,  
TEFC

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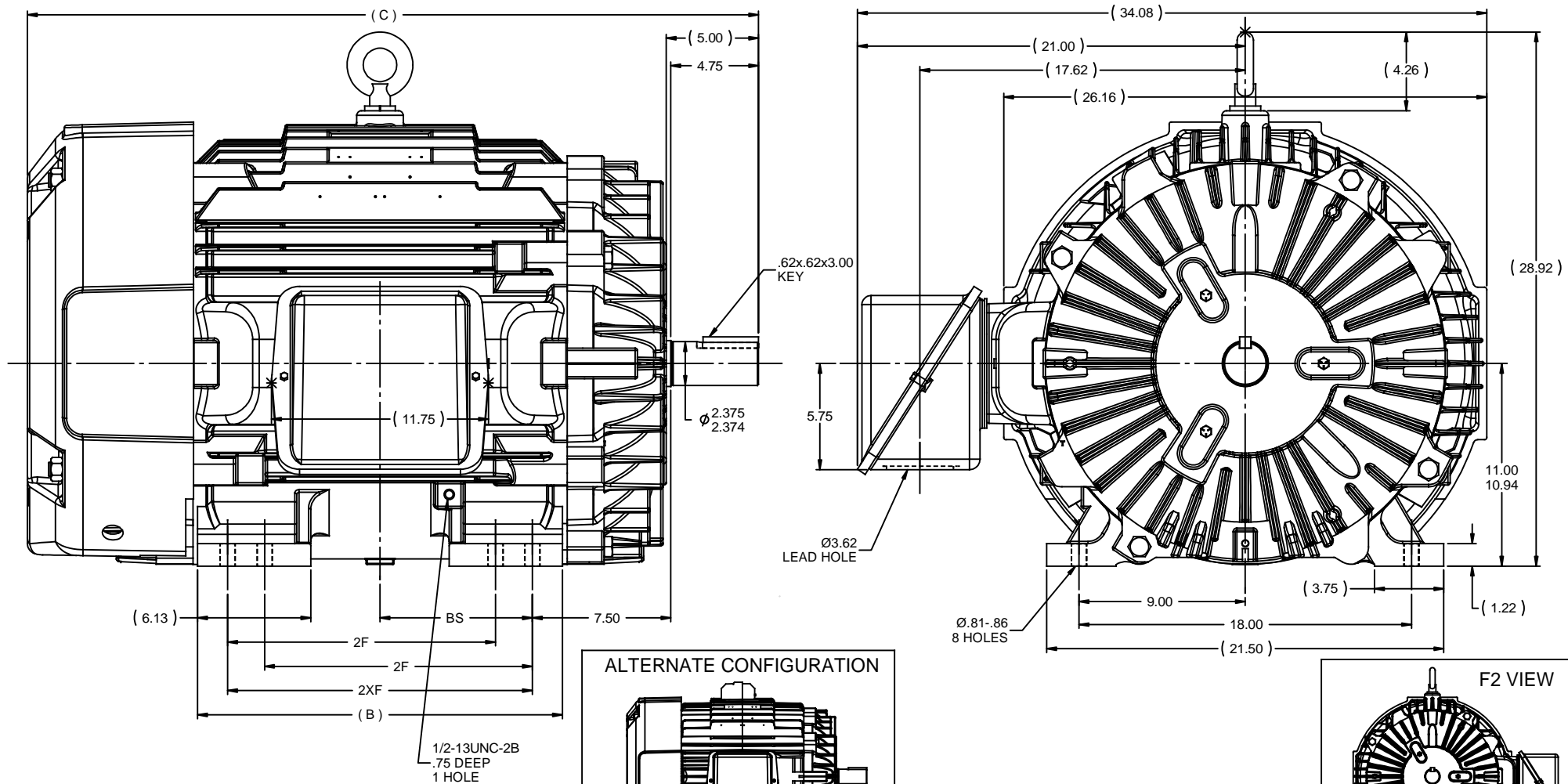


### Nameplate Specifications

Phase	3	Output HP	150 & 125 Hp
Output KW	112.0 & 93.0 kW	Voltage	460 & 380 V
Speed	3572 & 2972 rpm	Service Factor	1.15 & 1.15
Frame	445TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.5 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	167 & 168 A	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

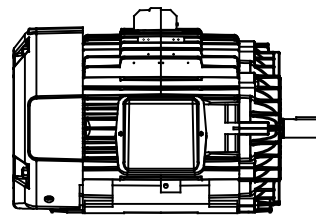
### Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.023 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	39.60 in
Frame Length	20.25 in	Shaft Diameter	2.375 in
Shaft Extension	5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS514023-2025	Connection Drawing	A-EE7300U

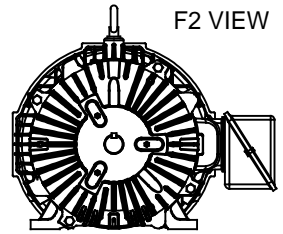


- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
  2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
  3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

#### ALTERNATE CONFIGURATION



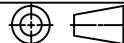
#### F2 VIEW



10	CORRECTED C'BOX DIM. 5.75 WAS 5.56	ISAAC 09-5049	JJB 2/4/2011	TOLERANCES UNLESS SPECIFIED	DEC INCHES		DRAWN RM 06-25-1991
9	UPDATED WITH NEW FRAME, 28.92 DIMENSION WAS 26.52.	ADDED PREVIOUS CONFIG. & F2 VIEW PER ISAAC 09-5049	JJB 12/16/2008	MH X ±.1			CHK TLB 06-25-1991
8	CHG. FAN GUARD & REV. C DIM. PER CN 39335	RWR 01/22/2007	ML XX ±.03				APPR ML 06-25-1991
7	REVISED LEAD DIM FROM Ø4.12 PER CN 32179	CTO 03/24/2003	ML XXX ±.005				SCALE 1:5.25
6	REISSUE - 26.52 DIMENSION WAS 24.19	CN 21946	KL 05/19/1999	XXXX ±.0005			REF
NO	REVISION	BY & DATE	CHK ANG ±1/2°	FINISH			PAGE OF
			RFP 06-25-1991	PREV			REV
			NETWORK FILE NAME	SS514023			

DASH	FRAME	B	C	2F	2XF	BS
1825	444TS	17.75	37.60	14.50	---	7.25
2025	444/445TS	19.75	39.60	14.50	16.50	8.25

THIRD ANGLE  
PROJECTION



## 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: <div><div>DEC.</div><div>INCH.</div><div>mm</div><div>ANGLE</div></div> <div><div>.X</div><div>±0.1</div><div>[±2.5]</div><div>±7' 30"</div></div> <div><div>.XX</div><div>±0.02</div><div>[±0.51]</div></div> <div><div>XXX</div><div>±0.005</div><div>[±0.127]</div></div> <div><div>.XXXX</div><div>±0.0005</div><div>[±0.0127]</div></div> <div>REMOVE BURRS &amp; BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 INCH 5.1 mm mm SHOWN IN [BRACKETS]</div>		DRAWN BY DRS	<div><div>REGAL™</div><div>Regal Beloit America, Inc.</div></div>	
ECO ECO-0077067	APPROVED BY EWH	DATE 05-05-2015			DATE 09-27-1996	DESCRIPTION	
ECO DESCRIPTION UPDATED TO SOLIDWORKS			APPROVED BY GK		CONN DIAGRAM-EXTERNAL 3Ø SINDLE VOLTAGE		
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			REFERENCE	THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7300U