

PRODUCT INFORMATION PACKET

Model No: 445TTGN16549
Catalog No: 445TTGN16549
150,1800,EPFC,445T,3/60/460

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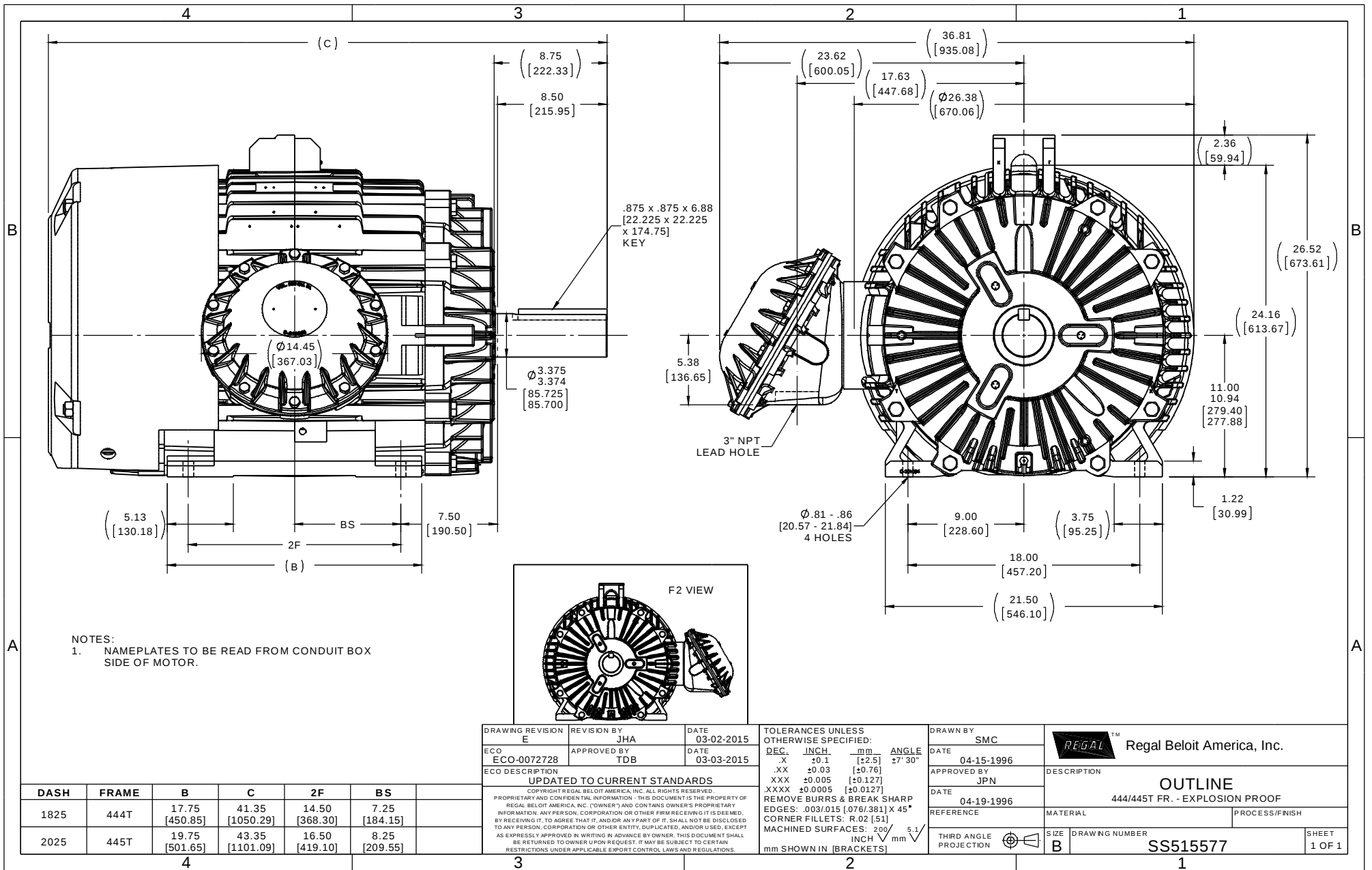
Nameplate Specifications

Output HP	150 Hp	Output KW	112.0 kW
Frequency	60 Hz	Voltage	460 V
Current	168.0 A	Speed	1785 rpm
Service Factor	1.15	Phase	3
Efficiency	95.8 %	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	445T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6316
UL	Recognized	CSA	N
CE	N	IP Code	54
Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3B	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.0258 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F2 ONLY
Connection Drawing	A-EE7300S	Outline Drawing	B-SS515577-2025

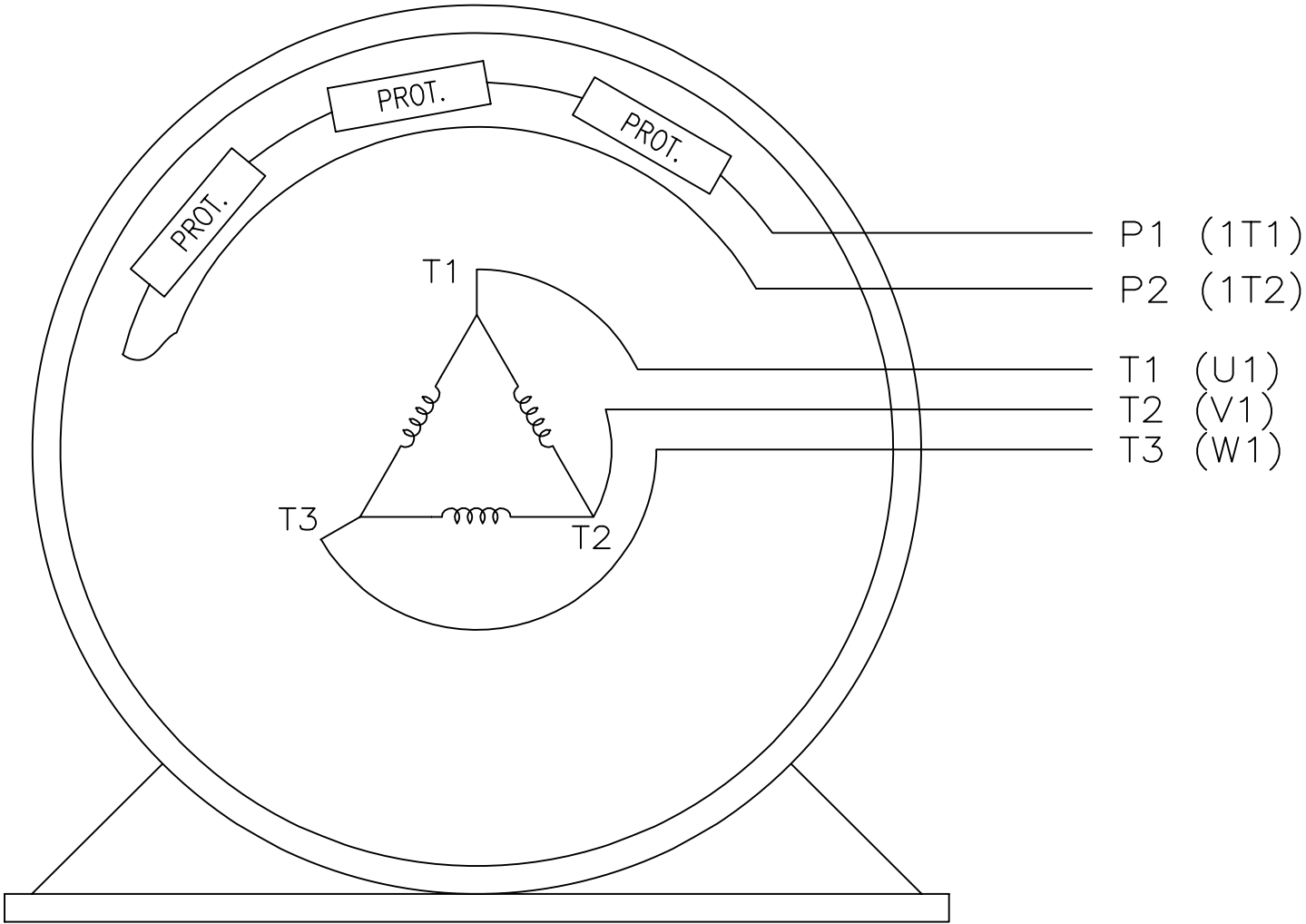
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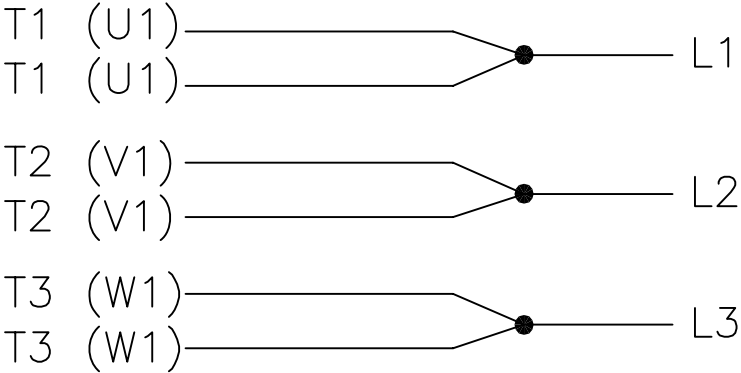
EE7300S

THREE PHASE – SINGLE VOLTAGE MOTOR

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS



IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S



A-9806 DECAL

VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN KL 12-15-1999			
				DEC.	INCHES		CHK DJK 12-15-1999			
F	UPDATED TITLE BLOCK	HV 02-27-2014	EWB	.X	± -		APPD DJK 12-15-1999			
3	REMOVED "N.C." FROM PROT.'S MU61770	JJB 08-02-2010		.XX	± -	TITLE CONNECTION DIAGRAM – EXTERNAL SINGLE VOLTAGE 3Ø MOTOR	SCALE 1=1			
2	ADDED IEC MARKINGS MU61770	KL 09-16-2004	EAB	.XXX	± -		REF			
1	NEW DRAWING	KL 12-16-1999		.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 ee7300s	SIZE A	DRAWING NO. EE7300S	PAGE OF	REV. F
				DIST WA-LB-SB						



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____
ORDER #: _____
CONN. DIAGRAM: A-EE7300S
OUTLINE: B-SS515577-2025
WINDING: T4454170 NONE 1
SPEED: _____

CUSTOMER P.O. #: _____
REFERENCE MODEL #: 445TTGN16549
CAT #: N/A
CUSTOMER PART #: _____
MOUNTING: F2 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN					
150	112	1800	1785	445T	EPFC	TFN	G	B					
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.				
3	60/50	460/380	168&170	LINE GR INVERTER	CONT	F	1.15	40	3300				
F.L. EFF		95.8	3/4 LD EFF	95.8	1/2 LD EFF	95.4	ELECT. TYPE						
F.L. PF		87.0	3/4 LD PF	85.0	1/2 LD PF	78.0	SQ CAGE INV RATED						
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (° C)					
441	LB-FT	1.085	765	LB-FT	173%	1,150	LB-FT	261%	60				
SOUND PRESSURE @ 3 FT.													
75	dB	84	dB	POWER	ROTOR WK¹	MAX. LOAD WK¹		SAFE STALL TIME	STARTS/HOUR	APROX. MOTOR WGT			
				59.0	LB-FT²	-		LB-FT²	25	SEC.	2	2408	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	PREMIUM SEVERE DUTY		DIV 1 EXP PROOF CL I GR CD CL II GR FG T3B		NO	NONE	BLUE - RAL 5003 (EPOXY)	
BEARINGS		GREASE		SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT	MATERIAL		FRAME MATERIAL
DE	ODE	POLYREX EM		T		NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
BALL	BALL												
6318	6316												
THERMOSTATS		PROTECTORS		WDG RTD's		BRG RTD's		THERMISTORS		CONTROL		SPACE HEATERS	
TSTATS (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	
0.02		0.012		0.161		0.174		5.188		0.080		ODE	

* N O T E *					INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: NONE				
					ENCODER: NONE				
					NONE PPR				
					BRAKE: NONE				
					FT-LB: NA VOLTAGE: NONE				
PREPARED BY: _____ DATE: 10/10/2022				UL: V-INS, CONST UL REC				HZ: _____	

FORM: 3531 REV. 4 2/27/06

