

PRODUCT INFORMATION PACKET

Model No: 444TTFS7686

Catalog No: M922

Other Purpose Motor, 100 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 444HPV Frame, TEFC

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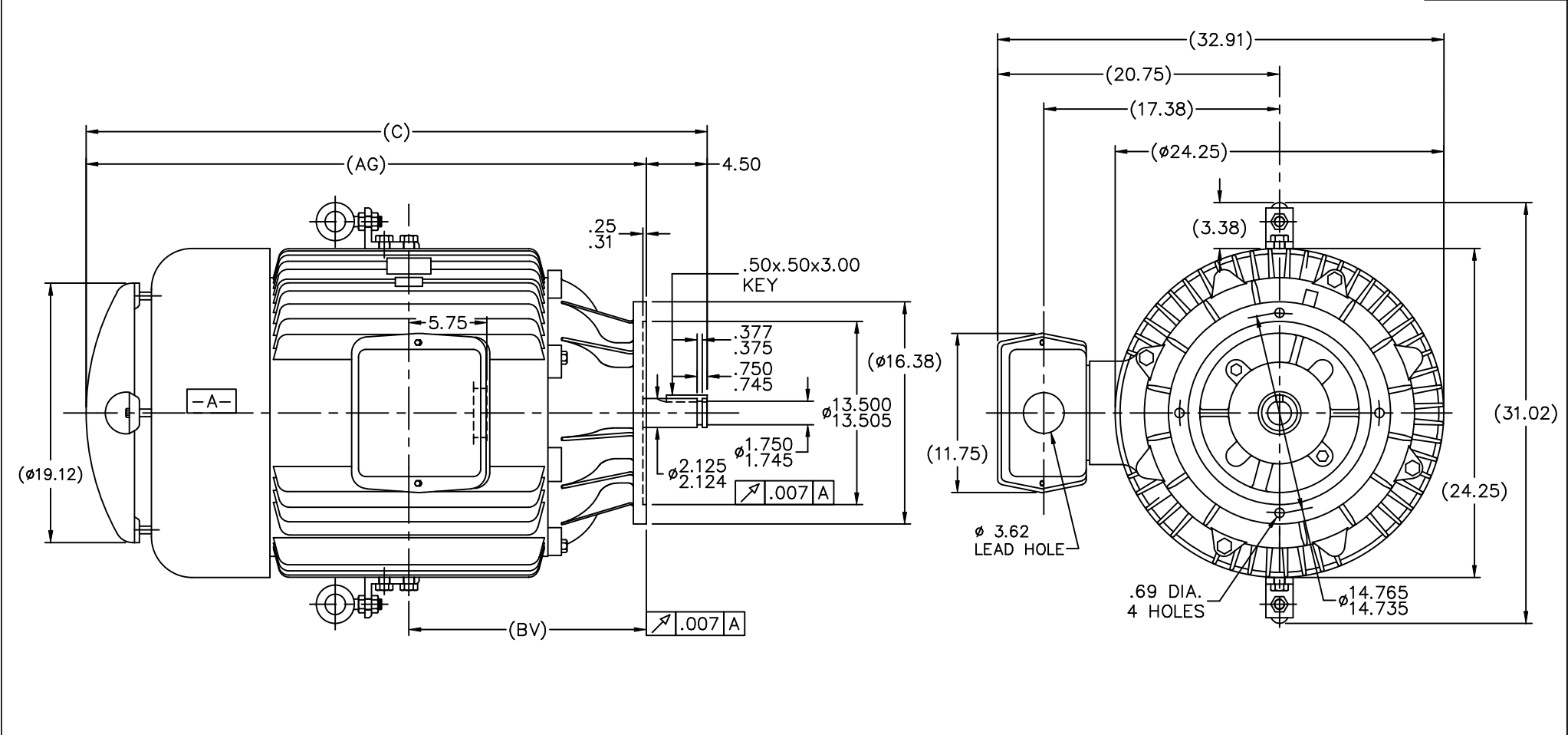


Nameplate Specifications

Output HP	100 Hp	Output KW	75.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	242.0/121.0 A	Speed	1185 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	444HPV	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6316
UL	Recognized	CSA	Y
CE	N	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	.068 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	HP	Overall Length	45.81 in
Frame Length	20.50 in	Shaft Diameter	2.125 in
Shaft Extension	4.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS509005-2050	Connection Drawing	A-EE7308K



NOTES:

1. BOX CAN BE ROTATED IN 90° STEPS.
2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

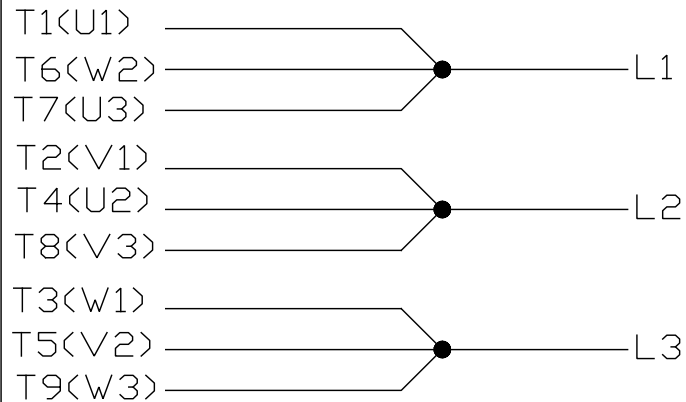
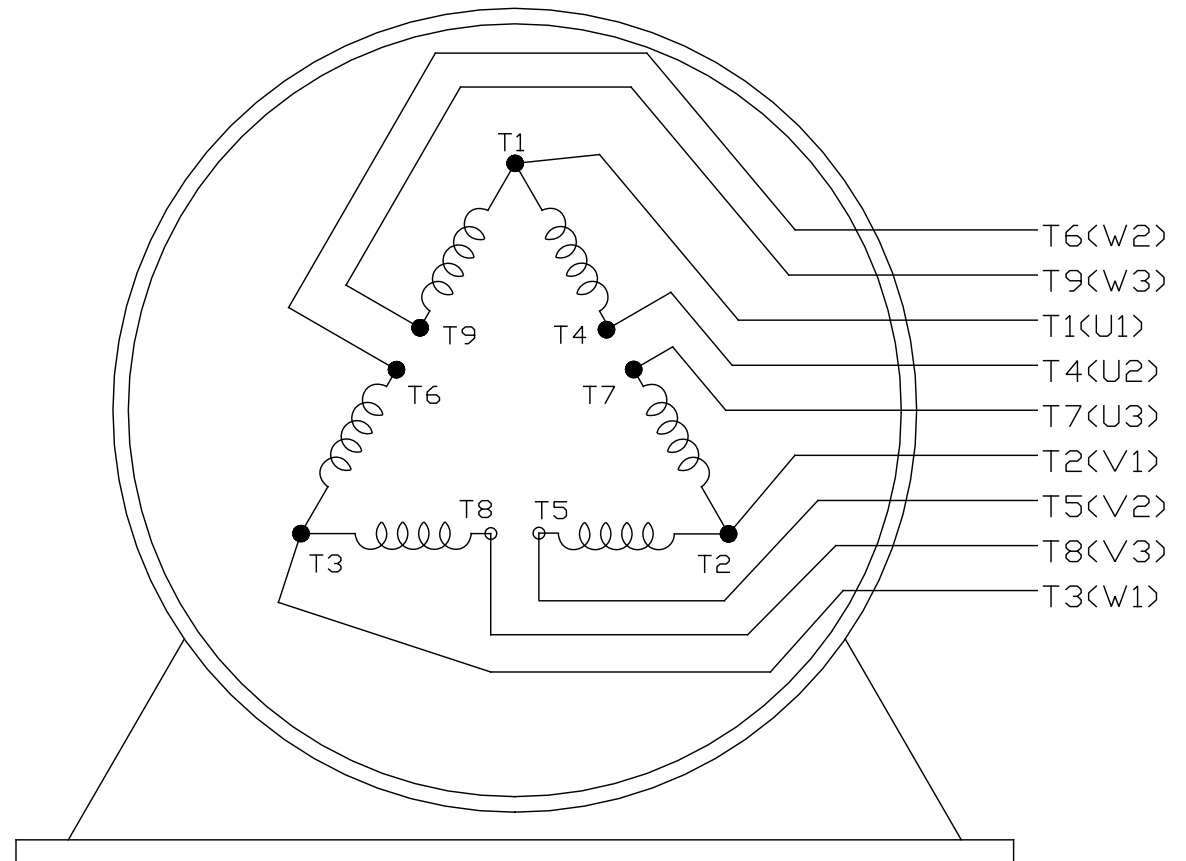
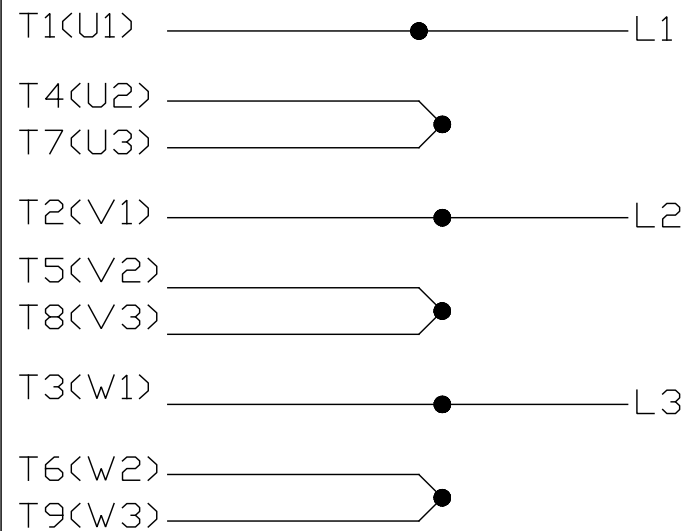
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|------|-------|-------|-------|-------|
| DASH | FRAME | C | AG | BV |
| 2050 | 440HP | 45.81 | 41.31 | 17.50 |
| | | | | |

DASH	FRAME	C	AG	BV
2050	440HP	45.81	41.31	17.50

				TOLERANCES UNLESS SPECIFIED			DRAWN DRS 12-02-1996
				DEC.	INCHES		CHK ML 12-02-1996
				.X	±.1		APPD GK 12-02-1996
8	REDRAWN IN AUTOCAD	TAT 07-22-2004	ML .XX	±.03	TITLE OUTLINE - "P" BASE 440 HP - TEFC		SCALE 1=7
7	CORRECTED OVERALL DIMENSIONS CN 29200-95	CAV 02-01-2000	.XXX	±.005			REF
6	REDRAWN ON CADD - WAS 'A' SIZE	DRS 12-03-1996	.XXXX	±.0005			MAT'L
NO.	REVISION	BY & DATE	CHK ANG	±730"	FINISH		PREV
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LOW VOLTAGE

EE7308K

HIGH VOLTAGE

VIEW OF TERMINAL END

			TOLERANCES UNLESS SPECIFIED			 REGAL - BELOIT CORPORATION	DRAWN PGK 06-04-1997		
NO.	REVISION	BY & DATE	CHK	ANG	± 7'30"		CHK	ML	06-05-1997
E	CORRECTED IEC MARKINGS ECD-0111208	WGJ 01-23-2017	EMH	DEC.	INCHES	TITLE CONNECTION DIAGRAM DELTA CON. - 3Ø - 9 LEADS	APPD	GK	06-15-1997
D	RE-DRAWN WITH REGAL LOGO ECD-0110493	WGJ 09-30-2016	EMH	.X	± .1		SCALE		
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS	.XX	± .02		REF		
7	REVISED HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998		.XXX	± .005		FMF		
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	± .0005		PREV		
						FINISH			
			RFP			CAD FILE EE7308K	SIZE	DRAWING NO.	PAGE OF
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P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____
ORDER #: _____
CONN. DIAGRAM: A-EE7308K
OUTLINE: B-SS509005-2050
WINDING: T444636 NONE 1
SPEED: _____

CUSTOMER P.O. #: _____
REFERENCE MODEL #: 444TTFS7686
CAT #: M922
CUSTOMER PART #: _____
MOUNTING: F1/F2 CAPABLE
FAN: 504205B

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
100	75	1200	1185	444HPV	TEFC	TFS	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	242/121	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	93.0	3/4 LD EFF	93.0	1/2 LD EFF	91.0	GTD EFF		ELECT. TYPE	
F.L. PF	83.0	3/4 LD PF	79.0	1/2 LD PF	70.0	91.7		SQ CAGE IND RUN	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)	
442 LB-FT	725	905 LB-FT 205%	1,155 LB-FT 261%	75	

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
75 dBA	84 dBA	70.0 LB-FT²	1200 LB-FT²	20 SEC.	2	1700 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE	STANDARD	ROUND	SHAFT DOWN	NO	NONE	YES	NONE	GRAY (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BALL	VERIFY	HP	NONE	NONE	VERIFY	CAST IRON
6316 6316						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	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
0.034	0.023	0.222	0.269	5.507	0.150	ODE

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

PREPARED BY: _____ DATE: 10/21/2022	BRAKE: NONE NONE NONE FT-LB: NA VOLTAGE: NONE HZ: UL: V-INS, CONST UL REC
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FORM: 3531 REV_4 2/27/06

