# PRODUCT INFORMATION PACKET



Model No: 213THFS9030
Catalog No: W533
7.50 HP Severe Duty Motor, 3 phase, 1800 RPM, 575 V, 213T Frame, TEFC
Severe Duty Motors



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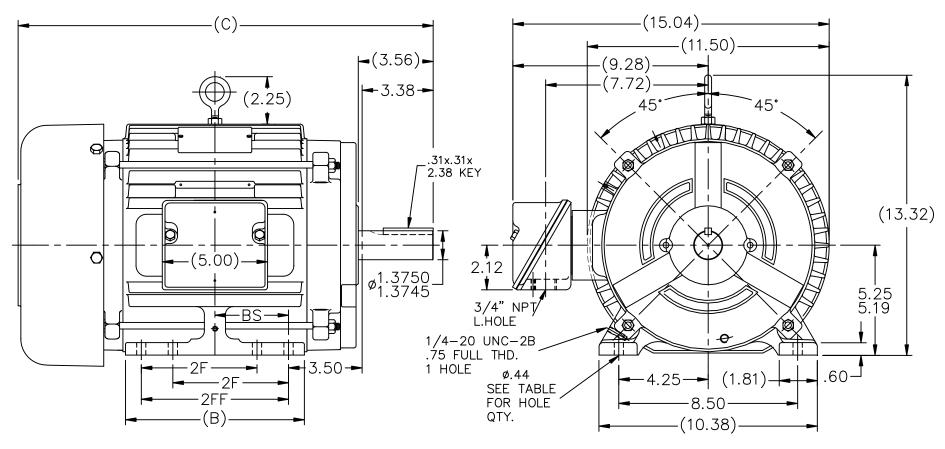
## Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	575 V
Current	7.7 A	Speed	1770 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	Н
Frame	213T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Υ
CE	Υ	IP Code	56
Number of Speeds	1		_

### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter	
Poles	4	Rotation	Reversible	
Resistance Main	1.17 Ohms	Mounting	Rigid Base	
Motor Orientation	Horizontal	Drive End Bearing	Ball	
Opp Drive End Bearing	Ball	Frame Material	Cast Iron	
Shaft Type	Т	Overall Length	19.72 in	
Frame Length	8.75 in	Shaft Diameter	1.375 in	
Shaft Extension	3.56 in	Assembly/Box Mounting	F1/F2 Capable	
Outline Drawing	A-SS87301-875	Connection Drawing	A-EE7300	

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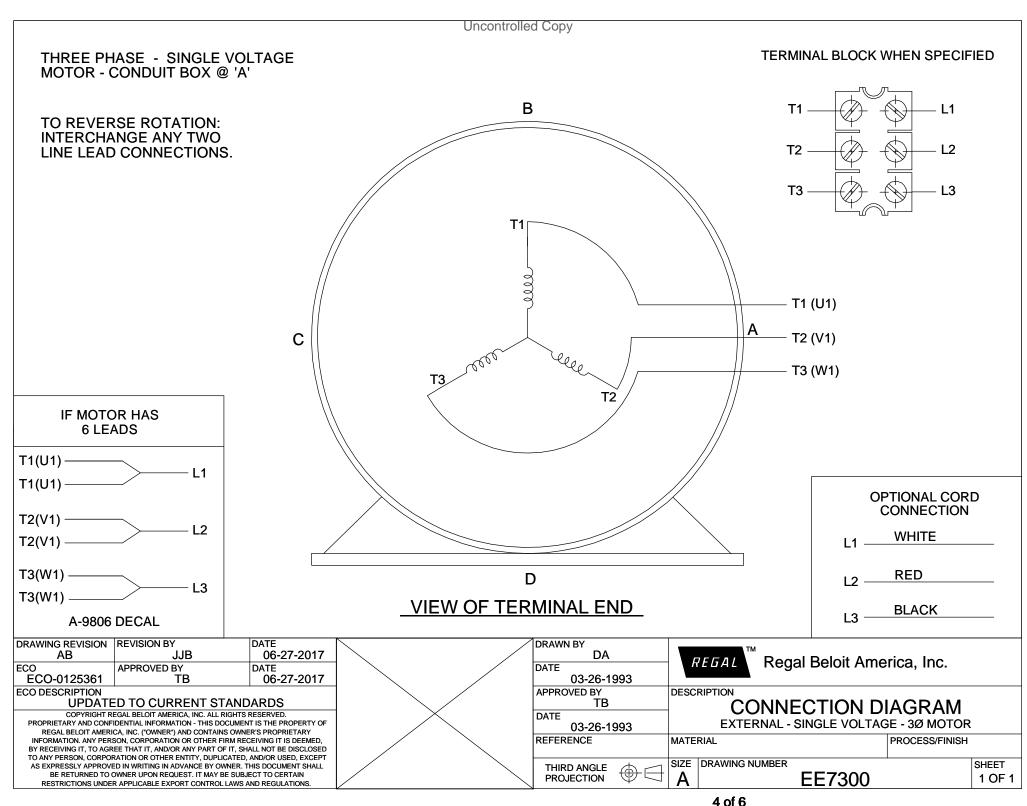
	DASH	FR.	С	В	BS	2F	2FF	FOOT HOLE QTY.	MOUNTING
	725	213T	18.22	7.00	2.75	_	5.50	4	F1 OR F2
	875	215T	19.72	8.50	3.50	_	7.00	4	F1 OR F2
		213/5T	19.72	8.50	3.50	5.50	7.00	8	F1 OR F2
.0~08	1000	215T	20.97	9.75	4.12	7.00	8.25	8	F1 OR F2

NOTES:

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

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11	UPDA	TED DRA	WING						TJW	04/30/200	7	TOI	LERANCES SS SPECIFIED		υ		DRAWN F	GK 07-29	9-1997
10	REVIS	ED TOL.	WAS 5.22	2/5.16 N	OW 5.25	5/5.19			RJW	05-01-200	6 ML	DEC.	INCHES				СНК	ML 08-07	-1997
9	ADDE	D FOOT	HOLE QTY	. & MTG	. TO TAI	BLE	CN 37	7322	2 TAT	01-14-200	4 ML	.x	±.1				APPD	PH 08-11-	-1997
8	REMO	VED NOT	TE 'SEE FF	RAME WH	IEN REQ'	'D'			DRS	04-23-200	1	.xx	±.03	TITLE OUTLINE			SCALE	7=32	2
8	FROM	GROUNI	HOLE			CN 29	9200-1	1698	3			.xxx	±.005	213-15T FR BB - TEFC			REF		
7	UPDA	TED C'	BOX GEO	METRY			CN 28	8426	HLB	11-10-2000	)	.xxxx	±.0005	MAT'L.			FMF		
NO.				REVISIO	N				B.	Y & DATE	СНК	ANG	±7'30"	FINISH			PREV		
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#### **CERTIFICATION DATA SHEET**

 Model#:
 213THFS9030 AC
 WINDING#:
 K2134158 NONE 5

 CONN. DIAGRAM:
 A-EE7300
 ASSEMBLY:
 F1/F2 CAPABLE

**OUTLINE**: A-SS87301-875

#### **TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SY	NC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KVA CODE	DESIGN
7 1/2	5.60	)	1800	1770	213T	TEF	c	Н	В
						1	,		
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	7.7	LINE OR	CONTINUOU	F3	1.15	40	3300

FULL LOAD EFF: 91.7	3/4 LOAD EFF: 91	1/2 LOAD EFF: 90.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 80	3/4 LOAD PF: 74	1/2 LOAD PF: 63	89.2	SQ CAGE INV RATED	3.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.3 LB-FT	50.8	52 LB-FT 233	72 LB-FT 323	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.95 LB-FT^2	75 LB-FT^2	25 SEC.	2	170 LBS.

#### \*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B	FALSE	NONE	BLUE (EPOXY)

BEAF	BEARINGS		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	1144	CAST IRON
6307	6206					STRESSPROOF	
						(C-223)	

	THERMO-PF	ROTECTORS	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

INVERTER TORQUE: CONSTANT 2:1 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

N O T E S

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5 of 6

