PRODUCT INFORMATION PACKET

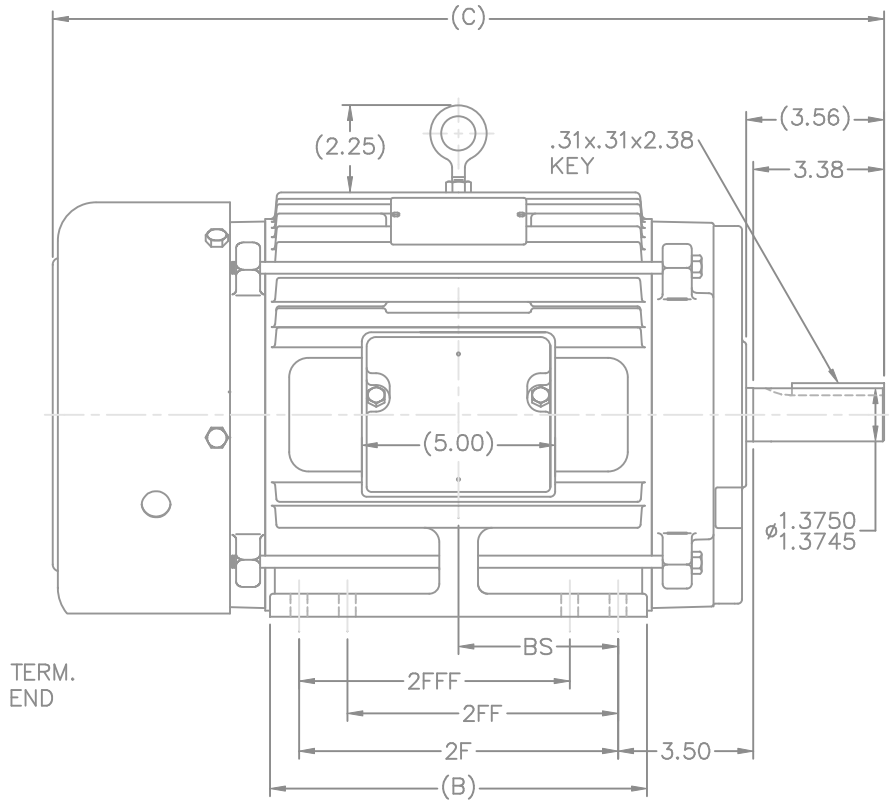
Model No: 215TTFS7290
Catalog No: Y382
7 1/2,1800/900,TEFC,215T,3/60/460
Other Purpose

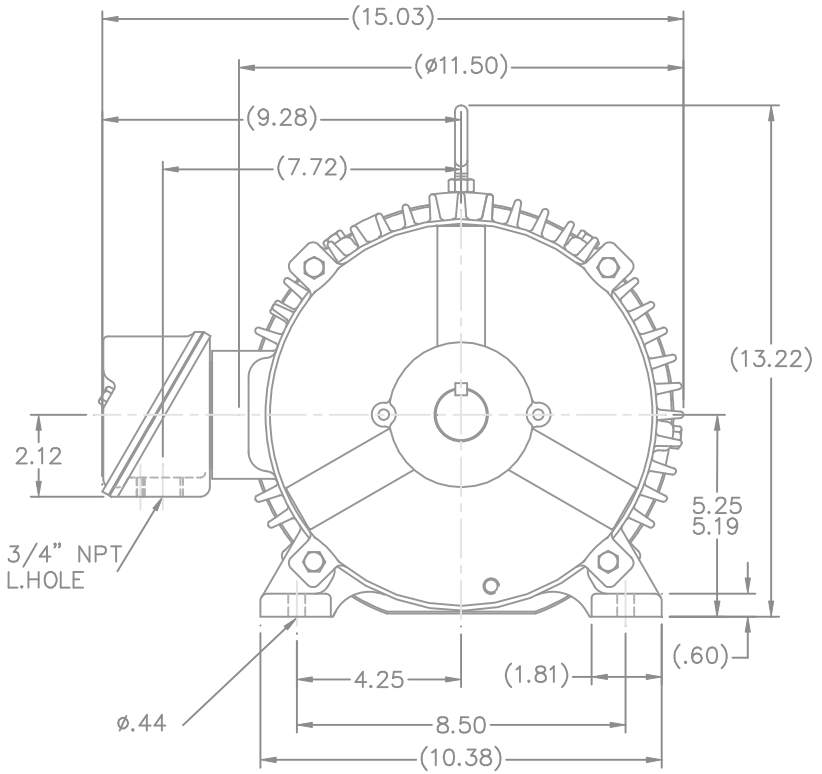
Nameplate Specifications

Output HP	**7.50,1.88 Hp**	Output KW	**5.6 kW**
Frequency	**60 Hz**	Voltage	**460 V**
Current	**9,3.1 A**	Speed	**1765,875 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**89.5 %**	Duty	**Continous**
Insulation Class	**F**	Design Code	**1VT**
KVA Code	**K**	Frame	**215T**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6307**
Opp Drive End Bearing Size	**6206**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**55**		

Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**4/8**	Rotation	**Reversible**
Mounting	**Rigid base**	Motor Orientation	**Horizontal**
Drive End Bearing	**Ball**	Opp Drive End Bearing	**Ball**
Frame Material	**Cast Iron**	Shaft Type	**T**
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	**B-SS84236-875**	Connection Diagram	**A-EE7322**





DASH	FRAME	B	2F	2FF	2FFF	BS	FOOT HOLE QTY.	MOUNTING	C CAST FAN GUARD	C STEEL FAN GUARD
725	213T	7.00	5.50	–	–	2.75	4	F1 OR F2	18.22	18.74
875	215T	8.50	7.00	–	–	3.50	4	F1 OR F2	19.72	20.24
875	213/5T	8.50	7.00	5.50	5.50	3.50	8	F1 OR F2	19.72	20.24
1000	213T	9.75	8.25	5.50	5.50	4.12	8	F1 OR F2	20.97	21.49
1000	215T	9.75	8.25	7.00	7.00	4.12	8	F1 OR F2	20.97	21.49

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. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

NO.	REVISION	BY & DATE	CHK
13	REMOVED NOTE "SEE TABLE FOR HOLE QTY."	RDH 11-18-2003	ML
12	-875'S FOOT HOLE QTYS. WERE SWITCHED CN37323	ERH 10-21-2003	ML
11	REVISED TABLE TO CLARIFY MOUNTINGS CN37301	TAT 9-29-2003	ML
10	CORRECTEDCONDUIT BOX VIEWS CN28426	BLR 1-5-2000	
9	REVISED CONDUIT BOX CN28426	BLR 1-4-2000	
8	REVISED DASH TABLE AND FOOT HOLE DIM.	MRB 3-26-1999	

TOLERANCES UNLESS SPECIFIED: DEC. INCHES; .X ±.1; .XX ±.03; .XXX ±.005; .XXXX ±.0005; ANG ±7'30"

MARATHON ELECTRIC

TITLE OUTLINE
210T FR. – TEFC

MAT'L.

FINISH

CAD FILE ss84236

RFP

DIST LB

DRAWN	RM 1-11-1993
CHK	ML 1-12-1993
APPD	GK 1-12-1993
SCALE	5=16
REF	
FMF	
PREV	

SIZE B | DRAWING NO. SS84236 | PAGE OF | REV. 13

A- EE7322

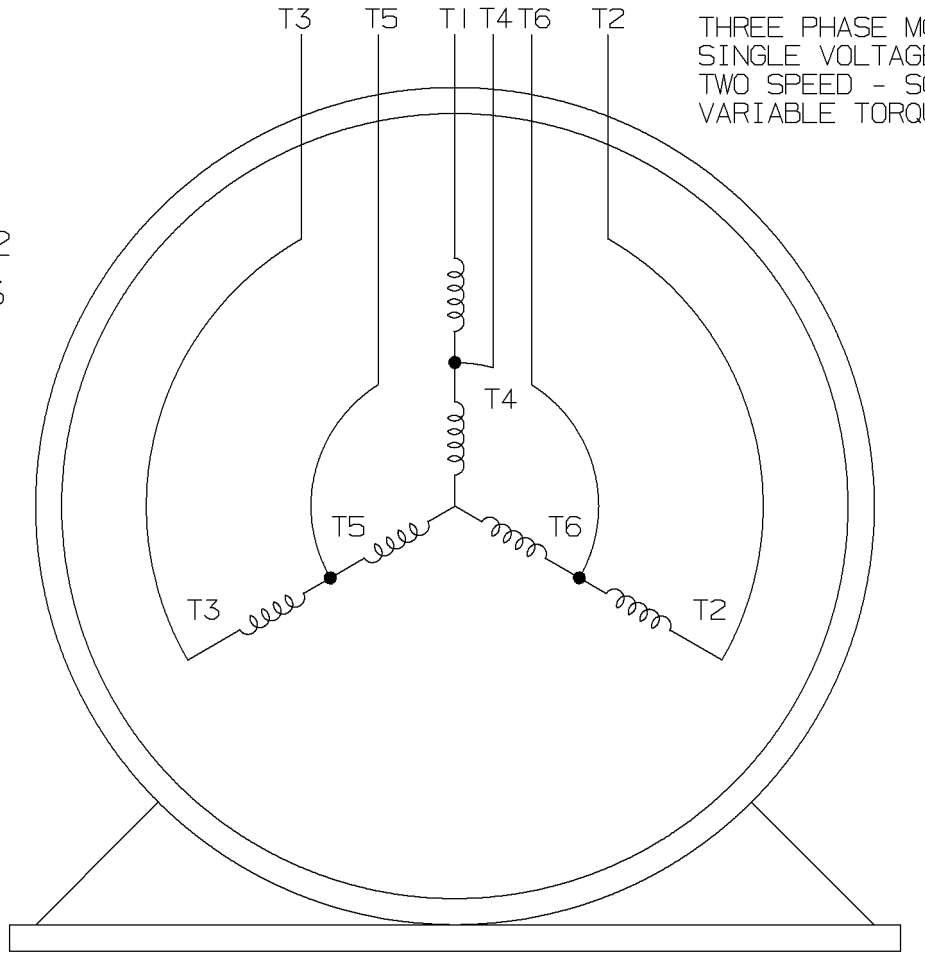
THREE PHASE MOTOR
SINGLE VOLTAGE
TWO SPEED - SGL. WDG.
VARIABLE TORQUE

LOW SPEED

T1 — L1
T2 — L2
T3 — L3
T4
T5
T6

HIGH SPEED

T1
T2
T3
T6 — L1
T4 — L2
T5 — L3



VIEW OF TERMINAL END

FOR DUAL LEADS

LOW SPEED

T1, T1 — L1
T2, T2 — L2
T3, T3 — L3
T4, T4
T5, T5
T6, T6

HIGH SPEED

T1, T1, T2, T2, T3, T3
T6, T6 — L1
T4, T4 — L2
T5, T5 — L3

T612C
T48B

REV	DATE	CHANGE	NAME
7	01-08-1997	REDRAWN ON CADD CN 24000-27	PGK

√ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOL. ON XX± XXX± .005 XXXX± .0005 ANGLES±

MATL SPEC

FINISH

REFERENCE DRW.

MARATHON ELECTRIC
WAUSAU, WISCONSIN 54401

DRAWN BY	PGK	12-26-1996
CHKD BY	ML	01-07-1997
APPD BY	TB	01-07-1997

PART NAME CONNECTION DIAGRAM
3Ø - SINGLE VOLTAGE - 2 SPEED

DRWG NO A- EE7322

SHOP BOOK | PURCHASED | DISTRIBUTION - WA - LB - WP - LM - BR | CADD FILE NO. EE7322

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CERTIFICATION DATA SHEET

Model#:	215TTFS7290 AP	**WINDING#:**	215(4-8)62 NONE 1
CONN. DIAGRAM:	A-EE7322	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	B-SS84236-875		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2&1 7/8	5.60&1.40	900	1765&875	215T	TEFC	K	1VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	460	9&3.1	ACROSS THE LINE	CONTINUOUS	F3	1.15/1.15	40	3300

FULL LOAD EFF: 89.5&86.5	3/4 LOAD EFF: 86.5	1/2 LOAD EFF: 84.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89&66.5	3/4 LOAD PF: 59.5	1/2 LOAD PF: 48.5	83.8	SQ CAGE IND RUN	1.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
11.5 LB-FT	13.5	13 LB-FT 113	25.5 LB-FT 222	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
52 dBA	62 dBA	1.2 LB-FT^2	- LB-FT^2	- SEC.	-	240 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	NONE	FALSE	NONE	BLUE (EPOXY)

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

THERMO-PROTECTORS				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: NONE 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

* NOTES *

DATE: 06/22/2017 08:07:21 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.