

Explosion Proof Motors

Model No: 215TTGND16539

Catalog No: U992B-P

Explosion Proof Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 215T Frame,
EPFC

Product Information Packet: Model No: 215TTGND16539, Catalog No: U992B-P Explosion Proof Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 215T Frame, EPFC

Nameplate Specifications

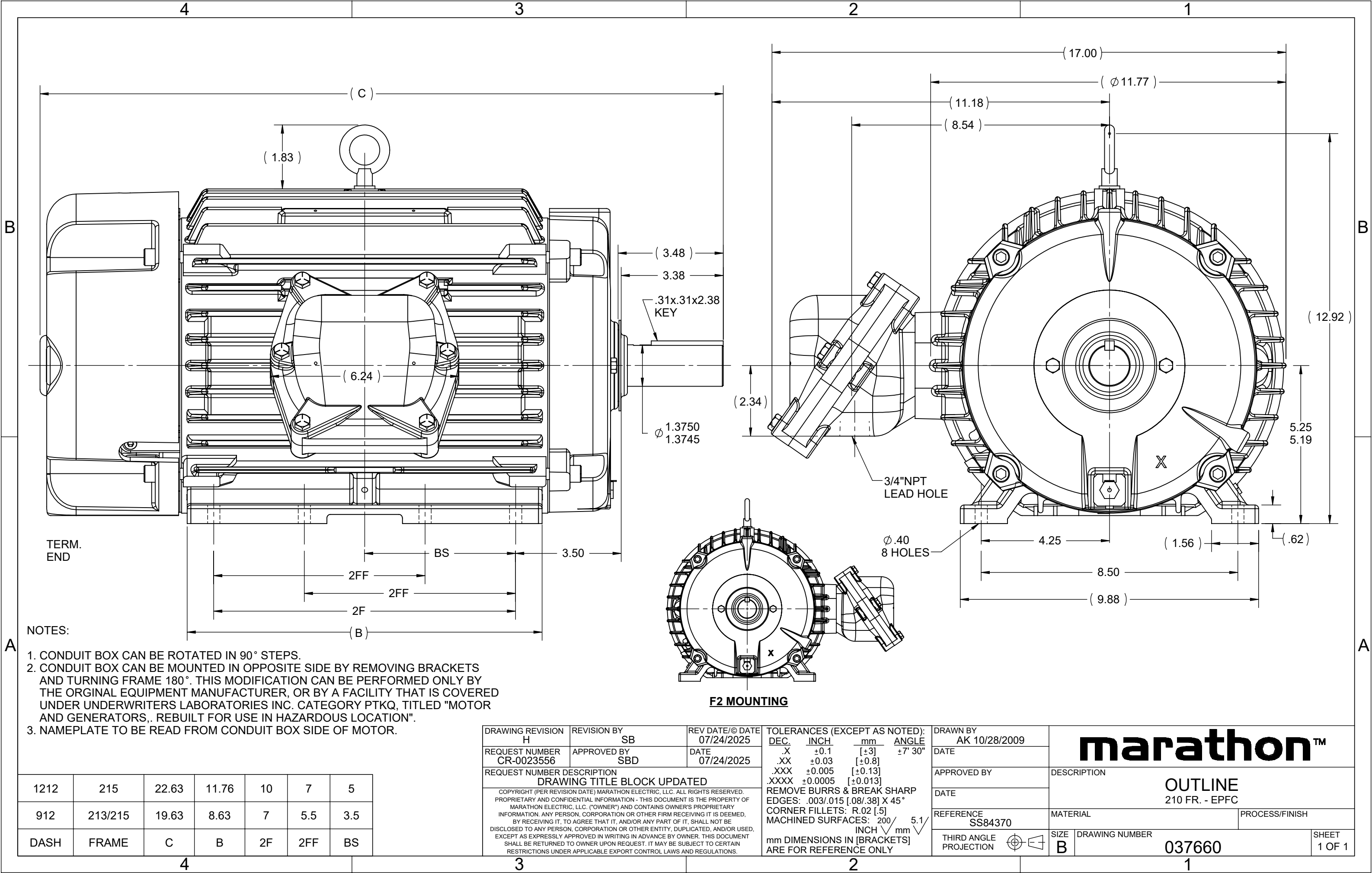
Phase	3	Output HP	10 & 7.50 Hp
Output KW	7.5 & 5.6 kW	Voltage	230/460 & 190/380 V
Speed	1765 & 1470 r/min	Synchronous RPM	1800 & 1500 r/min
Service Factor	1.15 & 1.15	Frame	215T
Enclosure	Explosion Proof Fan cooled	Thermal Protection	Thermostat
Efficiency	91.7 & 90.8 %	Ambient Temperature	40 °C
Frequency	60 & 50 Hz	Current	26.6/13.3 & 24.8/12.4 A
Power Factor	76.9	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	H	Drive End Bearing Size	6307
Opp Drive End Bearing Size	6208	UL	UL Listed; also, UL Certified for Canada
CSA	N	CE	N
IP Code	54	Number of Speeds	1
Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3B		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.941 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	22.63 in
Frame Length	12.12 in	Shaft Diameter	1 3/8 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 Only
Inverter Load	Constant 20:1/Variable 10:1		

Drawings

Connection Drawing	A-EE7308T	Outline Drawing	037660-1212
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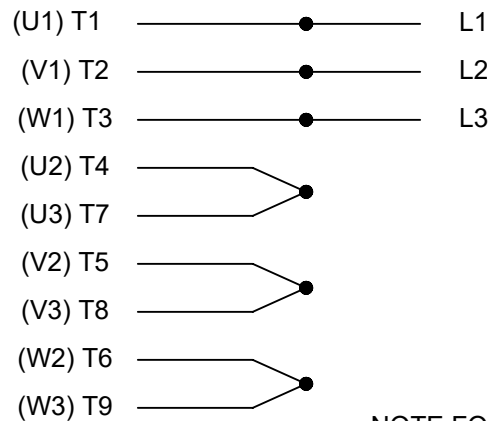


- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED IN OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. THIS MODIFICATION CAN BE PERFORMED ONLY BY THE ORIGINAL EQUIPMENT MANUFACTURER, OR BY A FACILITY THAT IS COVERED UNDER UNDERWRITERS LABORATORIES INC. CATEGORY PTKQ, TITLED "MOTOR AND GENERATORS,. REBUILT FOR USE IN HAZARDOUS LOCATION".
 3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

1212	215	22.63	11.76	10	7	5
912	213/215	19.63	8.63	7	5.5	3.5
DASH	FRAME	C	B	2F	2FF	BS

DRAWING REVISION H	REVISION BY SB	REV DATE/© DATE 07/24/2025	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±7° 30" .XX ±0.03 [±0.8] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 200 INCH mm 5.1 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY				DRAWN BY AK 10/28/2009	marathon™ OUTLINE 210 FR. - EPFC		
REQUEST NUMBER CR-0023556	APPROVED BY SBD	DATE 07/24/2025	REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED COPYRIGHT (PER REVISION DATE) MARATHON ELECTRIC, LLC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF MARATHON ELECTRIC, LLC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.				DATE			
							APPROVED BY	DESCRIPTION		
							DATE			
							REFERENCE SS84370	MATERIAL		PROCESS/FINISH
							THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER 037660	SHEET 1 OF 1

LOW VOLTAGE



NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

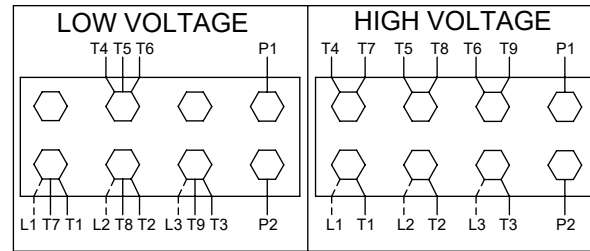
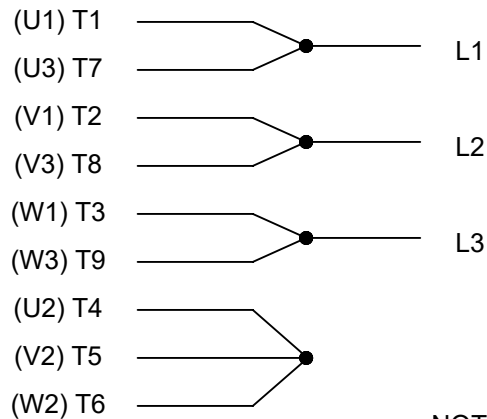


Diagram illustrating the terminal end of a cable, showing the internal wiring and connections. The diagram is labeled "VIEW OF TERMINAL END".

The cable contains 12 conductors, labeled T1 through T12, and two thermoprotectors, labeled PROT. The conductors are connected to a common ground point (T2, T3, T5, T6, T8, T9, T12) and are color-coded as follows:

- T1 (U1): RED OR PURPLE
- T4 (U2): BLACK
- T7 (U3): BLACK
- T9 (W3): YELLOW
- T8 (V3): BROWN
- T6 (W2): ORANGE
- T5 (V2): BLACK
- T2 (V1): BLACK
- T3 (W1): RED
- T12 (TB2): BLUE
- T10 (TB1): PURPLE OR RED

The thermoprotectors (PROT.) are connected in series with the conductors.

NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR IMG PLANT

DRAWING REVISION U		REVISION BY SB	REV DATE/© DATE 08/01/2025	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY SMC		marathon™		
REQUEST NUMBER CR-0023654		APPROVED BY SBD	DATE 08/01/2025		DATE 05-13-1992				
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED					APPROVED BY TB		DESCRIPTION CONN DIAGRAM-EXTERNAL 3 PHASE - DUAL VOLTAGE MOTOR		
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					REFERENCE EE7308/EE7300		MATERIAL		PROCESS/FINISH
				THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7308T		SHEET 1 OF 1