

Severe Duty Motors

Model No: 405TTFCD6635

Catalog No: E1246

Severe Duty Motor, 100 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 405T Frame, TEFC

Product Information Packet: Model No: 405TTFCD6635, Catalog No: E1246 Severe Duty Motor, 100 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 405T Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	100 Hp
Output KW	75.0 kW	Voltage	460 V
Speed	1785 r/min	Synchronous RPM	1800 r/min
Service Factor	1.15	Frame	405T
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	95.4 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	113.0 A
Power Factor	87	Duty	Continuous
Insulation Class	H	Design Code	B
KVA Code	G	Drive End Bearing Size	NU316
Opp Drive End Bearing Size	6314	UL	Listed
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1
Hazardous Location	DIVISION 2 T2B		

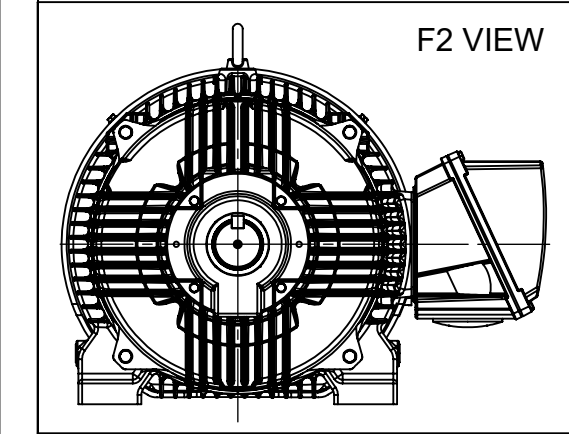
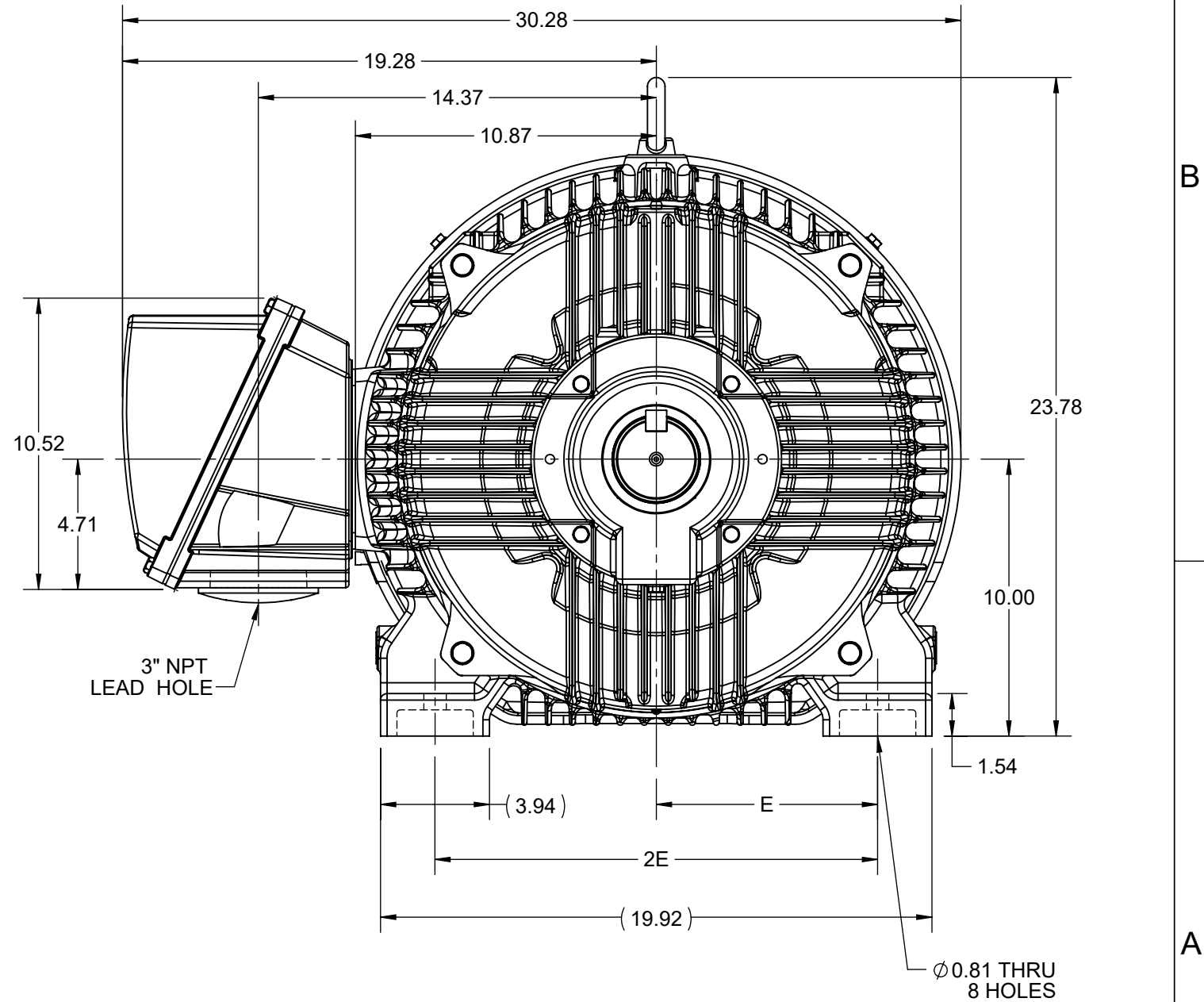
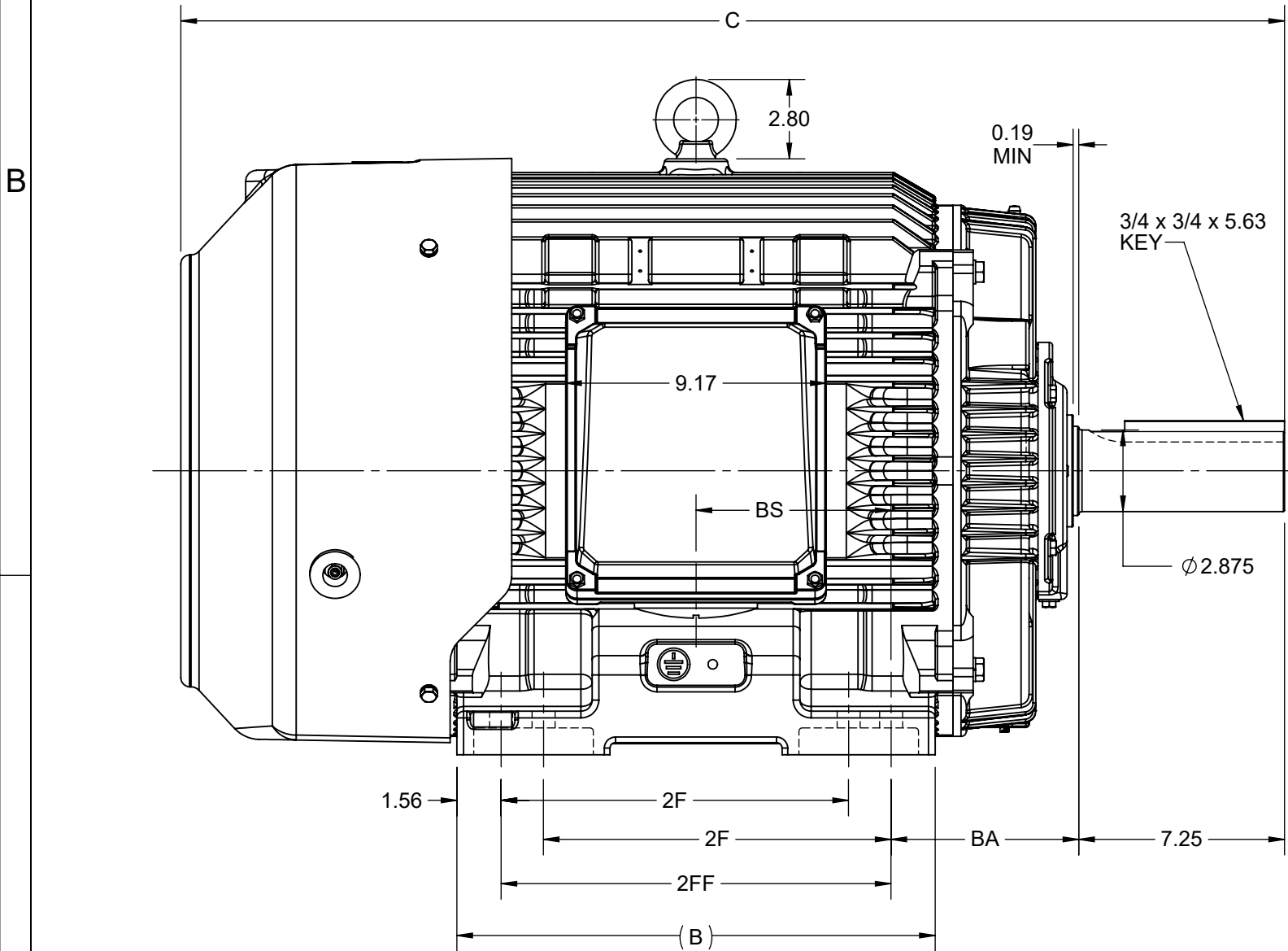
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.0555 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Roller
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F1/F2 Capable
Inverter Load	Constant 2:1/Variable 10:1		

Drawings

Connection Drawing	EE7300BH	Outline Drawing	SS557665
--------------------	----------	-----------------	----------

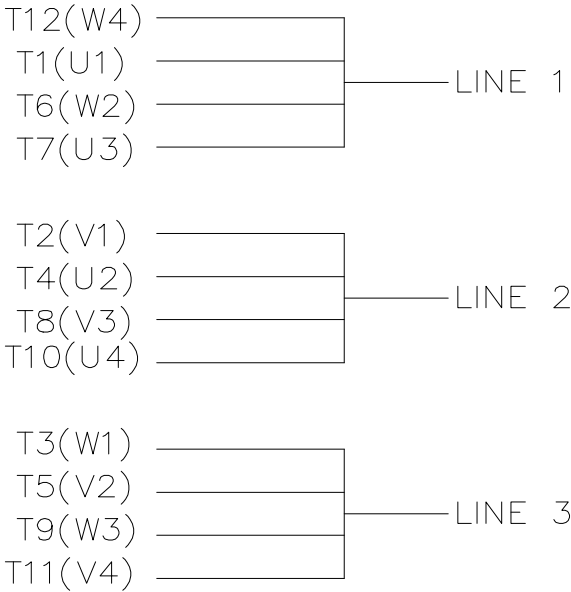
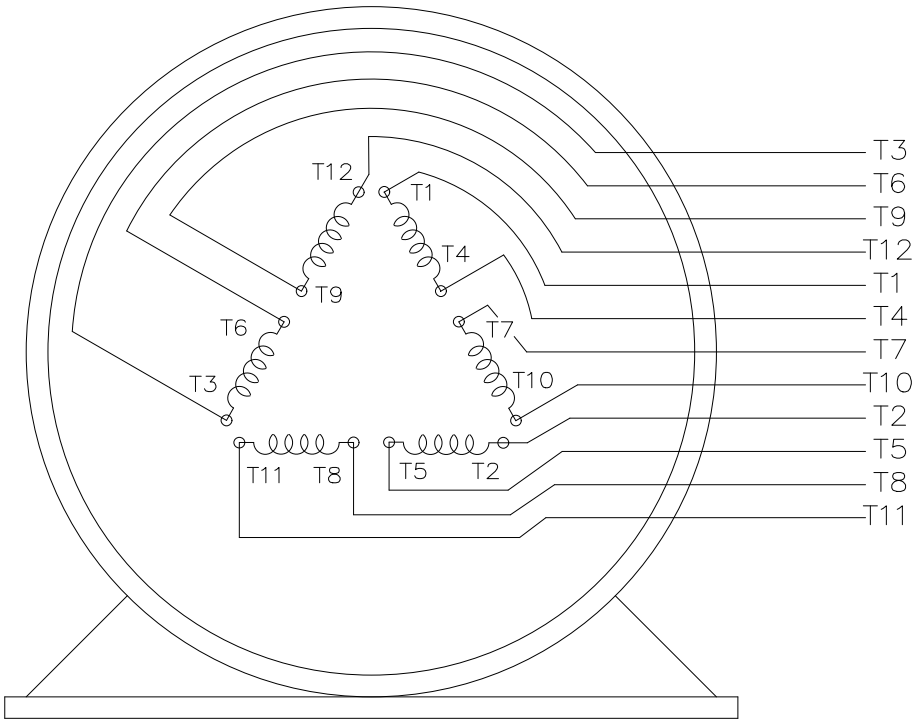
4					3				2		1	
B	C	E	2E	2F	2FF	BA	BS	MOUNTING				
16.85	38.88	8.00	16.00	12.25	13.75	6.62	6.87	F1 OR F2				



DRAWING REVISION D	REVISION BY SB	REV DATE/© DATE 07/23/2025
REQUEST NUMBER CR-0023556	APPROVED BY SBD	DATE 07/23/2025
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.		

PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY BISWA		marathon™		
	DATE 12/24/2018				
	APPROVED BY SBD		DESCRIPTION OUTLINE 404/405T FR-SD & IEEE841		
	DATE 12/24/2018				
	REFERENCE		MATERIAL		PROCESS/FINISH
	THIRD ANGLE PROJECTION		SIZE B	DRAWING NUMBER SS557665	

PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY



VIEW OF TERMINAL END

DRAWING REVISION E		REVISION BY SB		REV DATE/ © DATE 08/04/2025		DRAWN BY RJW		marathon™									
REQUEST NUMBER CR-0023654		APPROVED BY SBD		DATE 08/04/2025		DATE 02/11/2025											
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED						PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY											
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.												APPROVED BY GK		DESCRIPTION CONNECTION DIAGRAM			
												DATE 02/11/2025		12 LEAD - SINGLE VOLTAGE			
												REFERENCE		MATERIAL		PROCESS/FINISH	
												THIRD ANGLE PROJECTION				SIZE A	