

Severe Duty Motors

Model No: 405TTFCD6588

Catalog No: E064

Severe Duty Motor, 75 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 405TC Frame, TEFC

Product Information Packet: Model No: 405TTFCD6588, Catalog No: E064 Severe Duty Motor, 75 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 405TC Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	75 Hp
Output KW	56.0 kW	Voltage	460 V
Speed	1188 r/min	Synchronous RPM	1200 r/min
Service Factor	1.15	Frame	405TC
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	94.5 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	89.0 A
Power Factor	83.5	Duty	Continuous
Insulation Class	H	Design Code	B
KVA Code	G	Drive End Bearing Size	6316
Opp Drive End Bearing Size	6314	UL	Listed
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1
Hazardous Location	DIVISION 2 T2B		

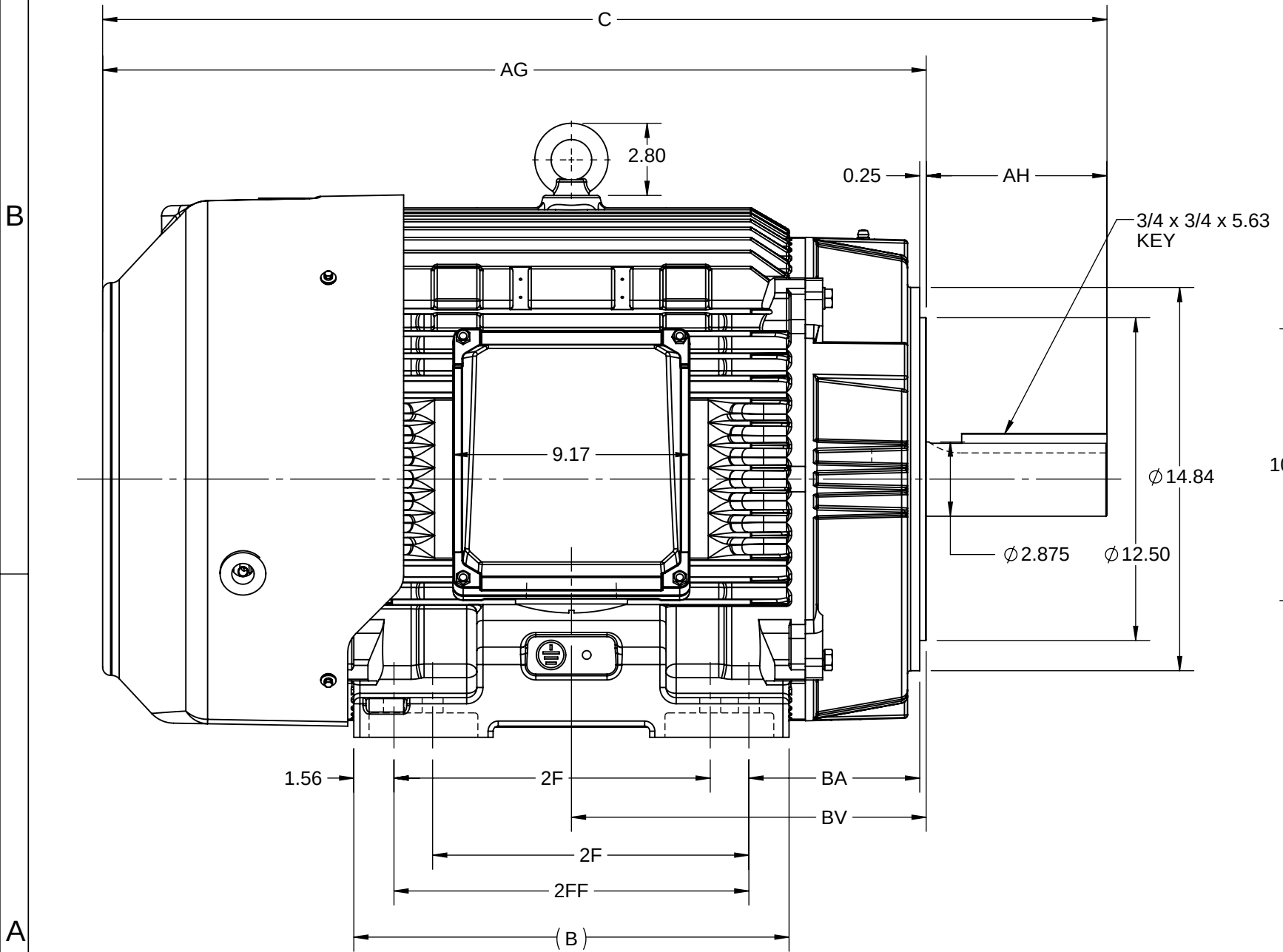
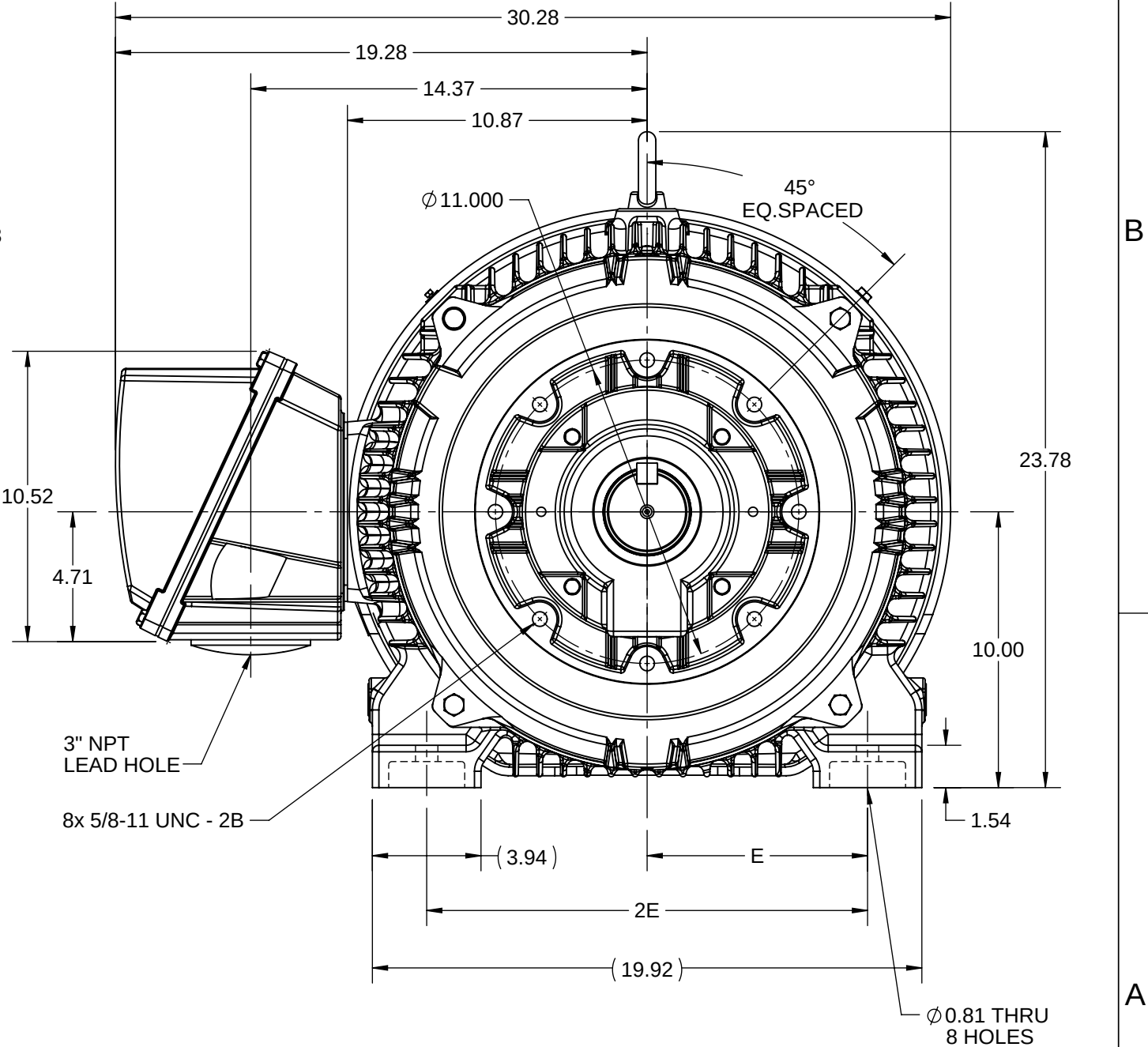
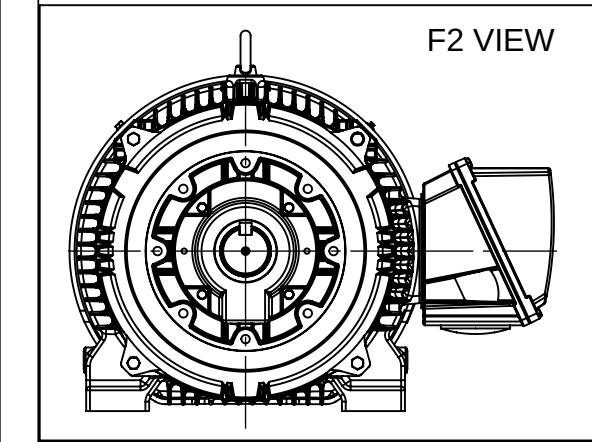
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.0904 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Shaft Diameter	2.875 in
Assembly/Box Mounting	F1/F2 Capable	Inverter Load	Constant 2:1/Variable 10:1

Drawings

Connection Drawing	EE7300	Outline Drawing	SS557770
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4				3						2		1	
B	C	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING			
16.85	38.88	8.00	16.00	12.25	13.75	31.88	7.00	6.62	13.73	F1 OR F2			



DRAWING REVISION C	REVISION BY SB	REV DATE/© DATE 05/21/2026
REQUEST NUMBER CR-0026353	APPROVED BY RMS	DATE 05/21/2026
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DRAWN BY BISWA		marathon™	
DATE 13/03/2019			
APPROVED BY SBD		DESCRIPTION OUTLINE 404/405TC FR-SD & IEEE841	
DATE 13/03/2019			
REFERENCE		MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION		SIZE B	DRAWING NUMBER SS557770
			SHEET 1 OF 1

THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

IF MOTOR HAS 9 LEADS

T1(U1) T1(U1) T1(U1) → L1

T2(V1) T2(V1) T2(V1) → L2

T3(W1) T3(W1) T3(W1) → L3

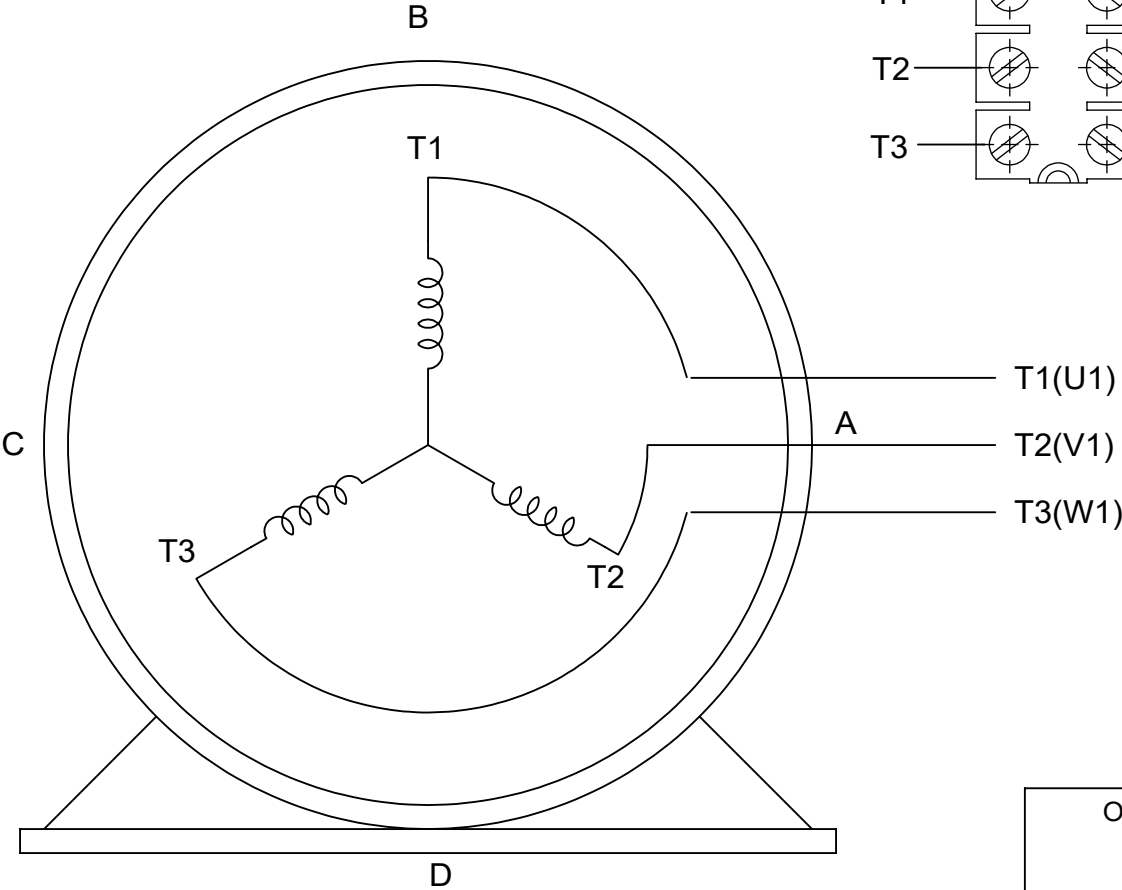
IF MOTOR HAS 6 LEADS

T1(U1) T1(U1) → L1

T2(V1) T2(V1) → L2

T3(W1) T3(W1) → L3

A-9806 DECAL



VIEW OF TERMINAL END

OPTIONAL CORD CONNECTION	
L1	WHITE
L2	RED
L3	BLACK

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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

marathon™		
DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1