

General Purpose Motors

Model No: 286TTFCD6080

Catalog No: GT1126A

General Purpose Motor, 20 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 286T Frame, TEFC

Product Information Packet: Model No: 286TTFC6080, Catalog No: GT1126A General Purpose Motor, 20 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 286T Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	20 Hp
Output KW	14.9 kW	Voltage	575 V
Speed	1180 r/min	Synchronous RPM	1200 r/min
Service Factor	1.15	Frame	286T
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	91.7 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	20.8 A
Power Factor	79	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Drive End Bearing Size	6311
Opp Drive End Bearing Size	6211	UL	Listed
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1
Hazardous Location	DIVISION 2 T2B		

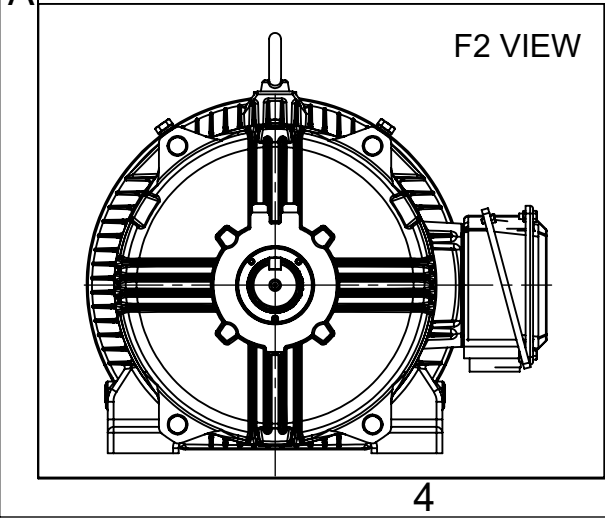
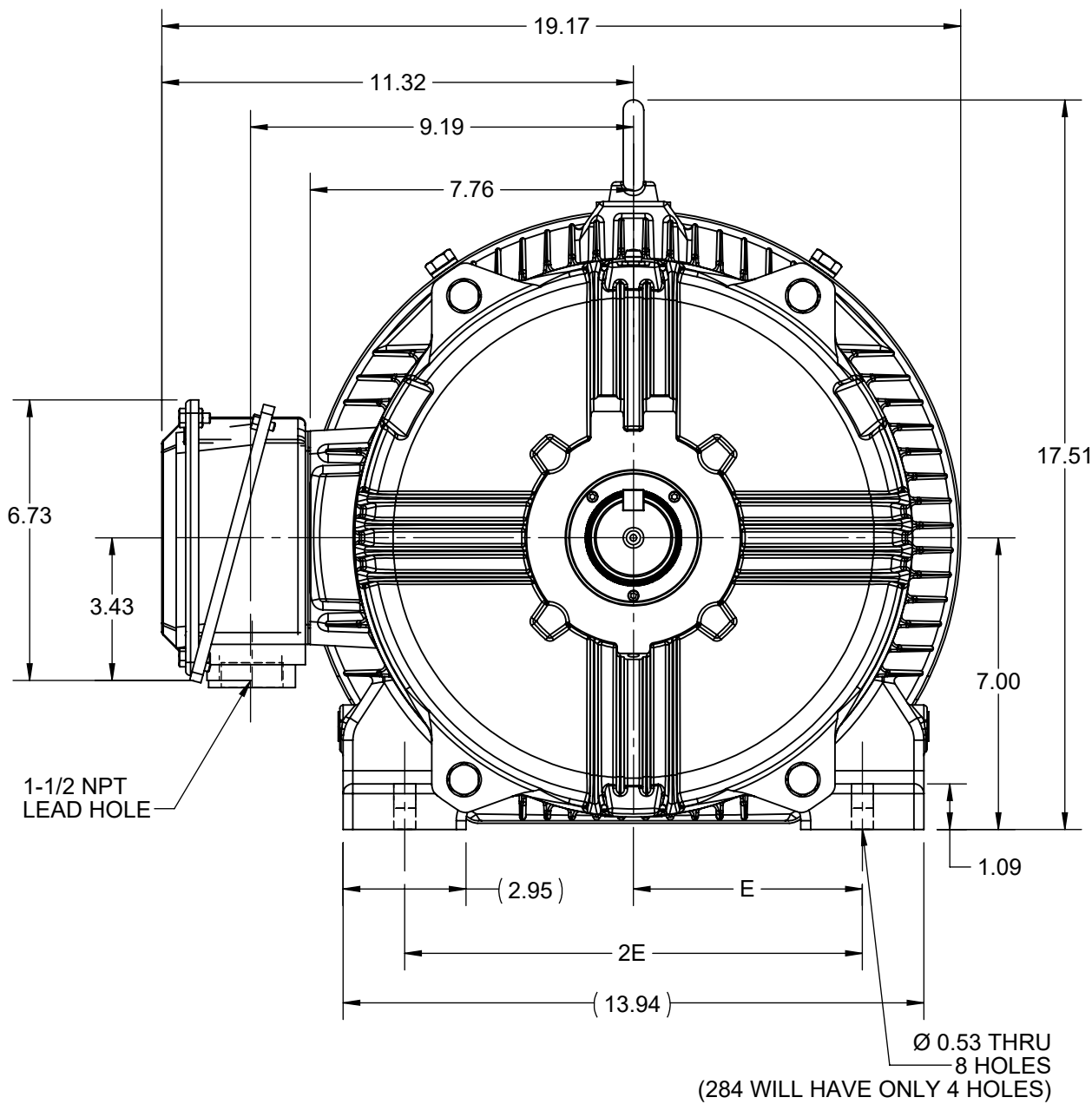
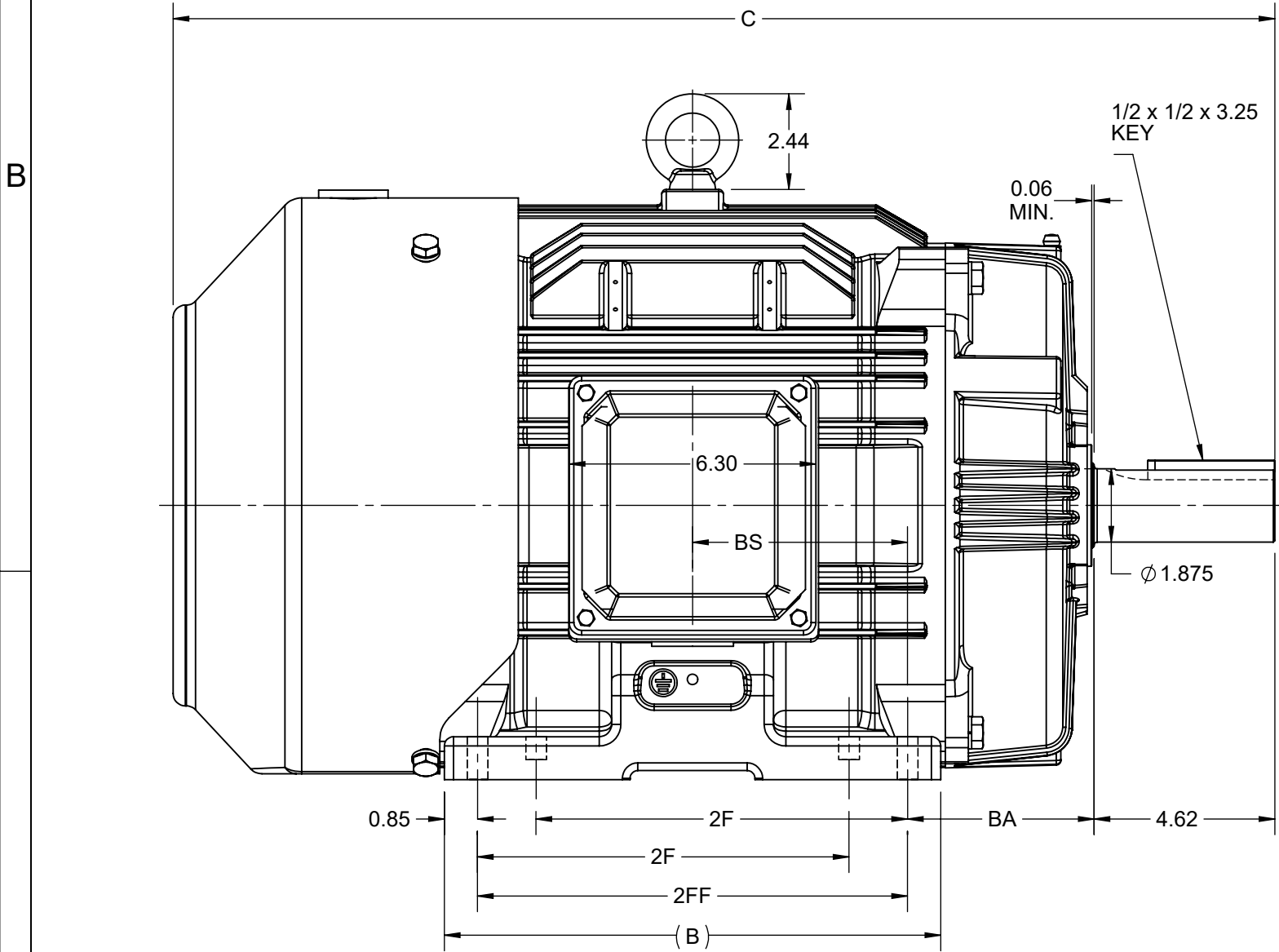
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.5617 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	28.14 in
Frame Length	12.91 in	Shaft Diameter	1.875 in
Shaft Extension	4.62 in	Assembly/Box Mounting	F1/F2 Capable
Inverter Load	Constant 10:1/Variable 10:1		

Drawings

Connection Drawing	EE7300	Outline Drawing	SS620704-200
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4				3						2	1
DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME	
100	10.83	26.64	5.50	11.00	---	9.50	4.75	4.75	F1 OR F2	284T	
200	12.68	28.14			9.50	11.00		5.50		284/286T	



DRAWING REVISION D	REVISION BY SB	REV DATE/© DATE 08/29/2025
REQUEST NUMBER CR-0023556	APPROVED BY SBD	DATE 08/29/2025
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DRAWN BY MR	marathon™		
DATE 4/5/2015			
APPROVED BY KRK	DESCRIPTION OUTLINE		
DATE 4/5/2015	284/286T FR-TEFC-CAST IRON		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS620704	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)

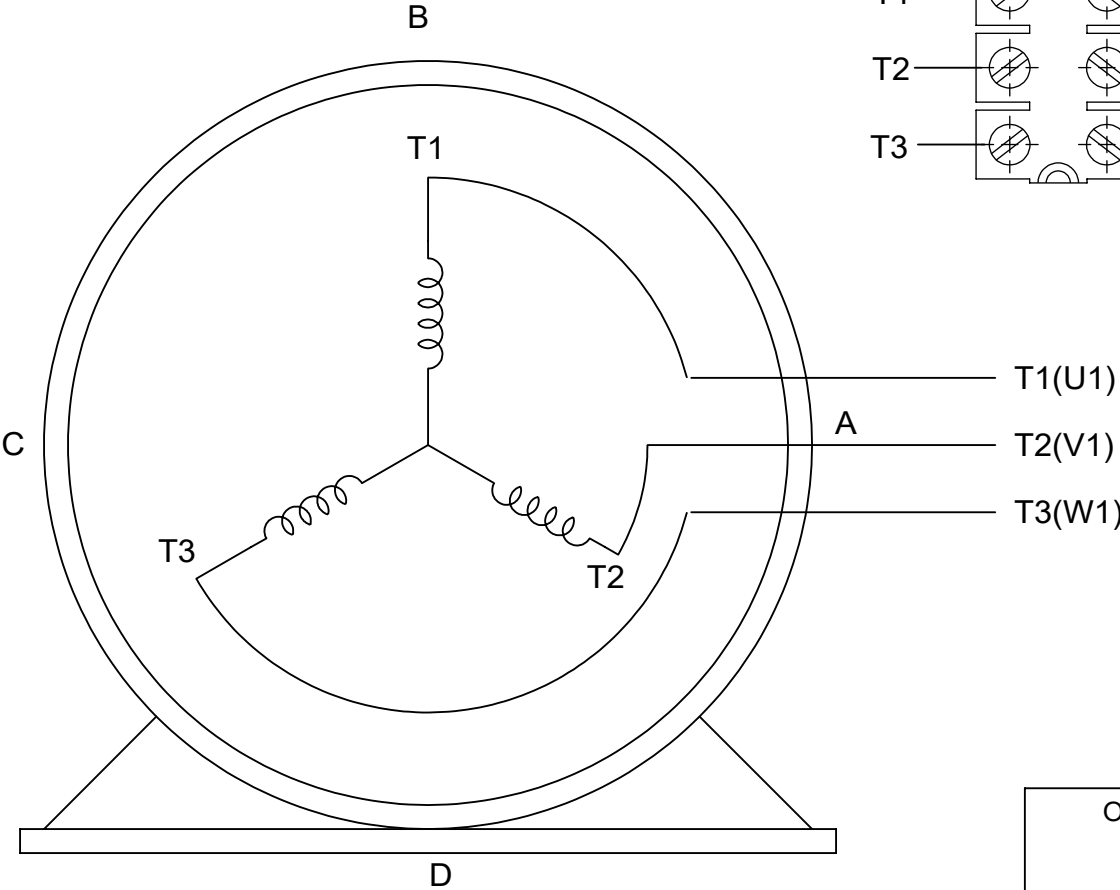
L2

T3(W1)

T3(W1)

L3

A-9806 DECAL



VIEW OF TERMINAL END

OPTIONAL CORD CONNECTION	
L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION AD	REVISION BY SB	REV DATE/© DATE 08/01/2025
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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

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

575

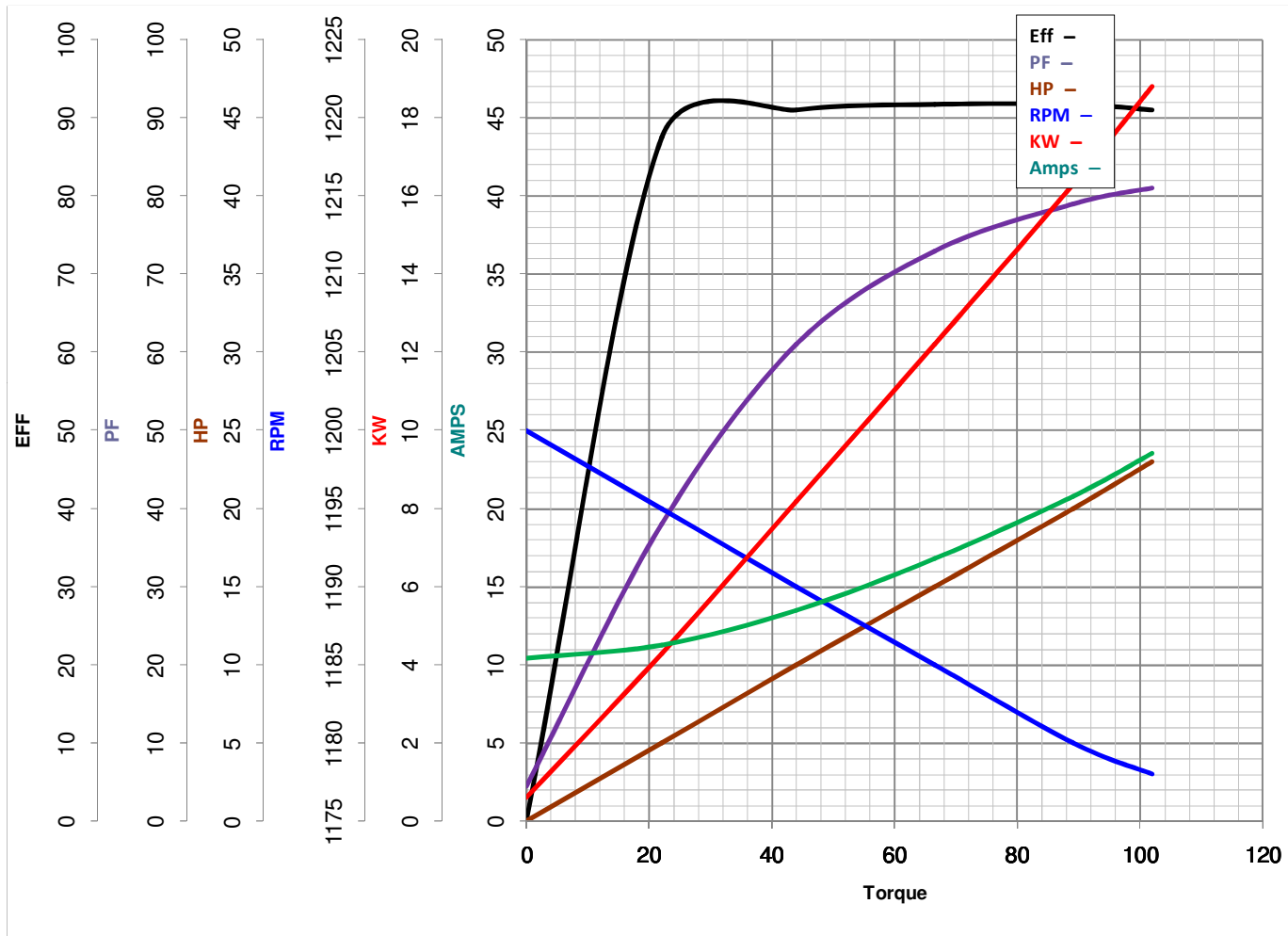
Volts

HP 20.00PHASE 3Model No 286TTFCD608060

HZ

20

HP

VOLTS 575Catalog No GT1126AHZ 60RPM 1180

Torque in Lb.Ft

FL TORQUE 89 Lb.FtBD TORQUE 199.0 Lb.FtLR TORQUE 152 Lb.FtFL AMPS 20.8PU TORQUE 128.0 Lb.FtLR AMPS 116

WINDING HE31806005-3

Prepared By

FAREEDA

Date

5/9/2018