

General Purpose Motors

Model No: 286TTFCD6076

Catalog No: GT1026A

General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 286T Frame,
TEFC

Product Information Packet: Model No: 286TTFC6076, Catalog No: GT1026A General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 286T Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V
Speed	1180 & 982 r/min	Synchronous RPM	1200 & 1000 r/min
Service Factor	1.15 & 1.15	Frame	286T
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	91.7 & 91 %	Ambient Temperature	40 °C
Frequency	60 & 50 Hz	Current	52/26 & 49/24.5 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		

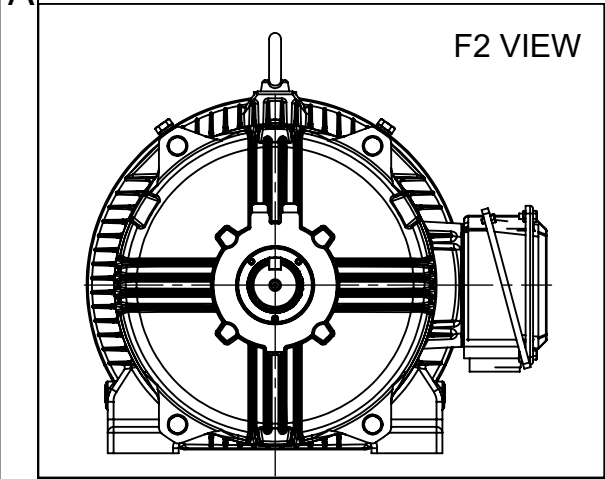
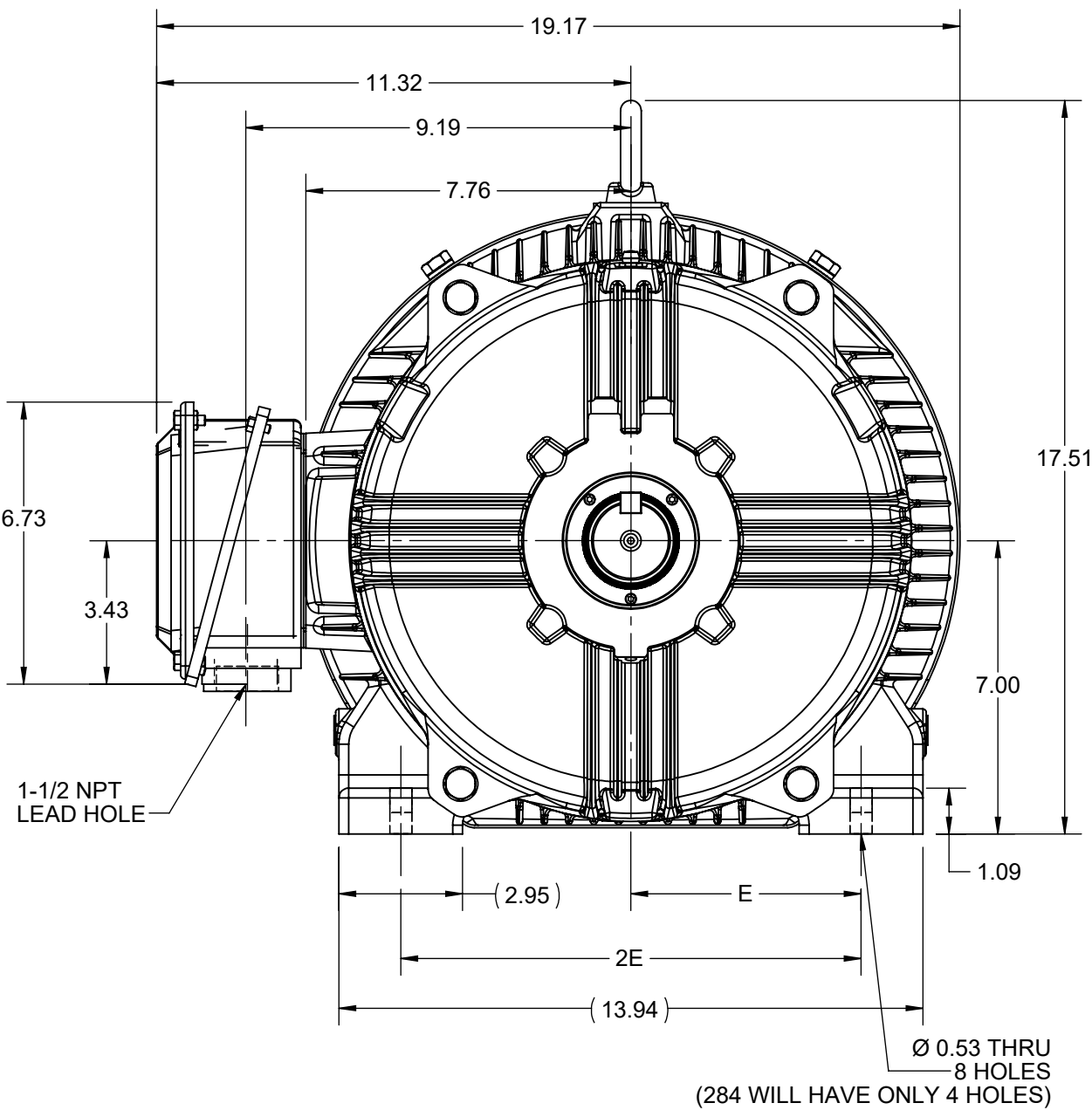
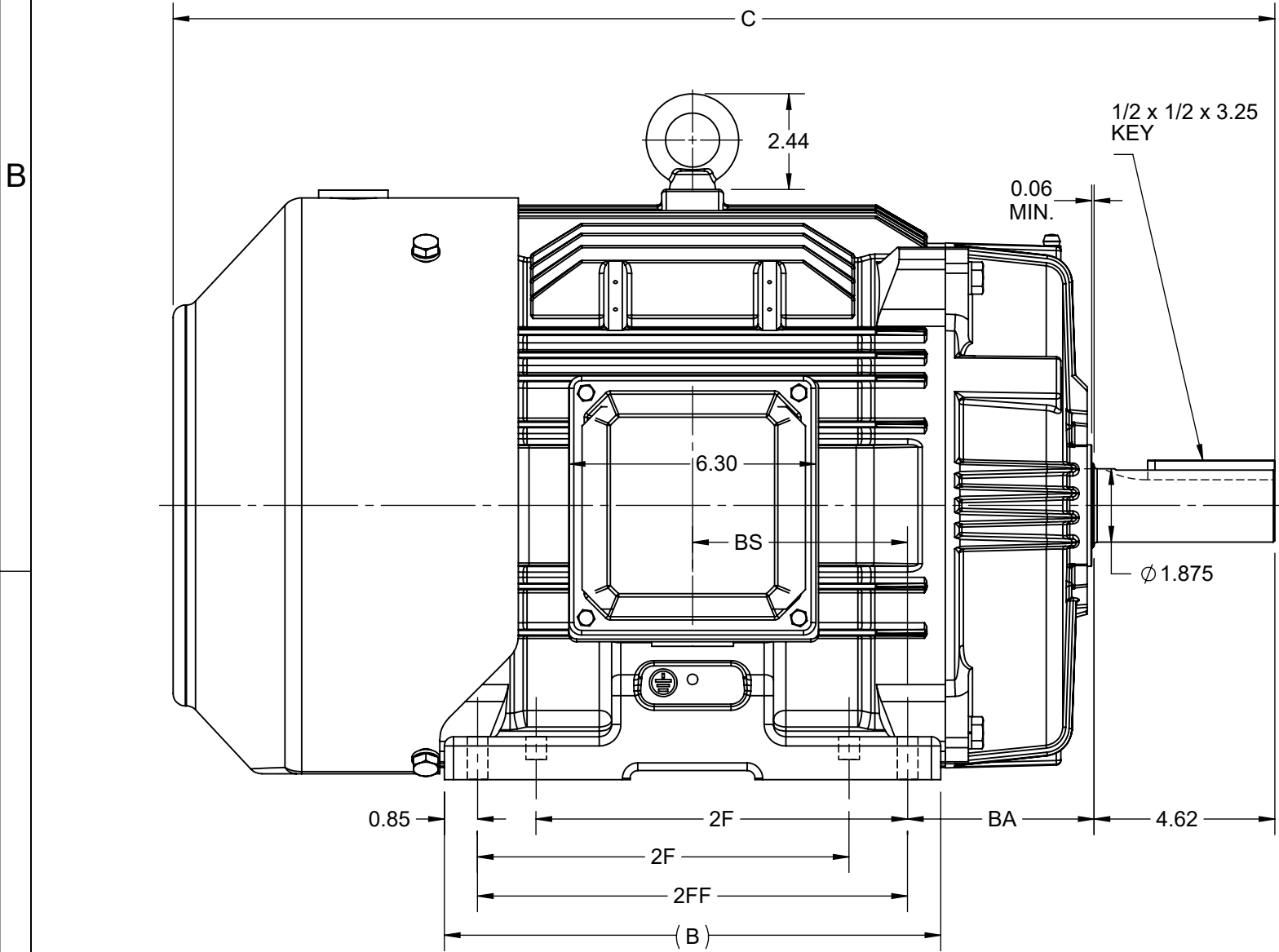
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run 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
Shaft Diameter	1 7/8 in	Shaft Extension	4.62 in
Assembly/Box Mounting	F1/F2 Capable	Inverter Load	Constant 10:1/Variable 10:1

Drawings

Connection Drawing	EE7308AA	Outline Drawing	SS620704-200
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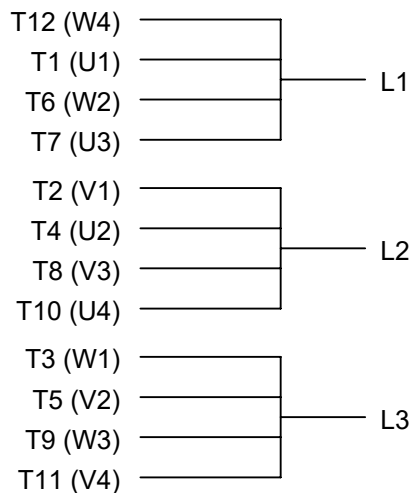
4				3						2	1
DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME	
100	10.83	26.64	5.50	11.00	---	9.50	4.75	4.75	F1 OR F2	284T	
200	12.68	28.14			9.50	11.00		5.50		284/286T	



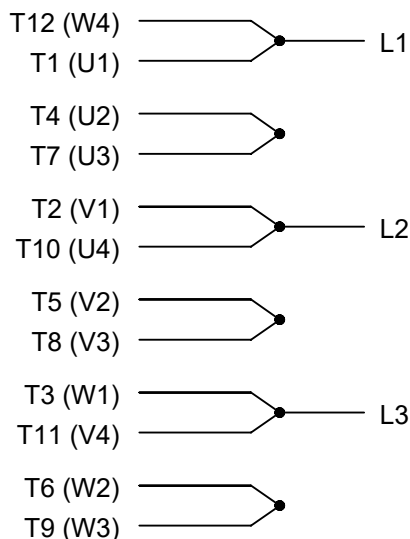
DRAWING REVISION D	REVISION BY SB	REV DATE/© DATE 08/29/2025
REQUEST NUMBER CR-0023556	APPROVED BY SBD	DATE 08/29/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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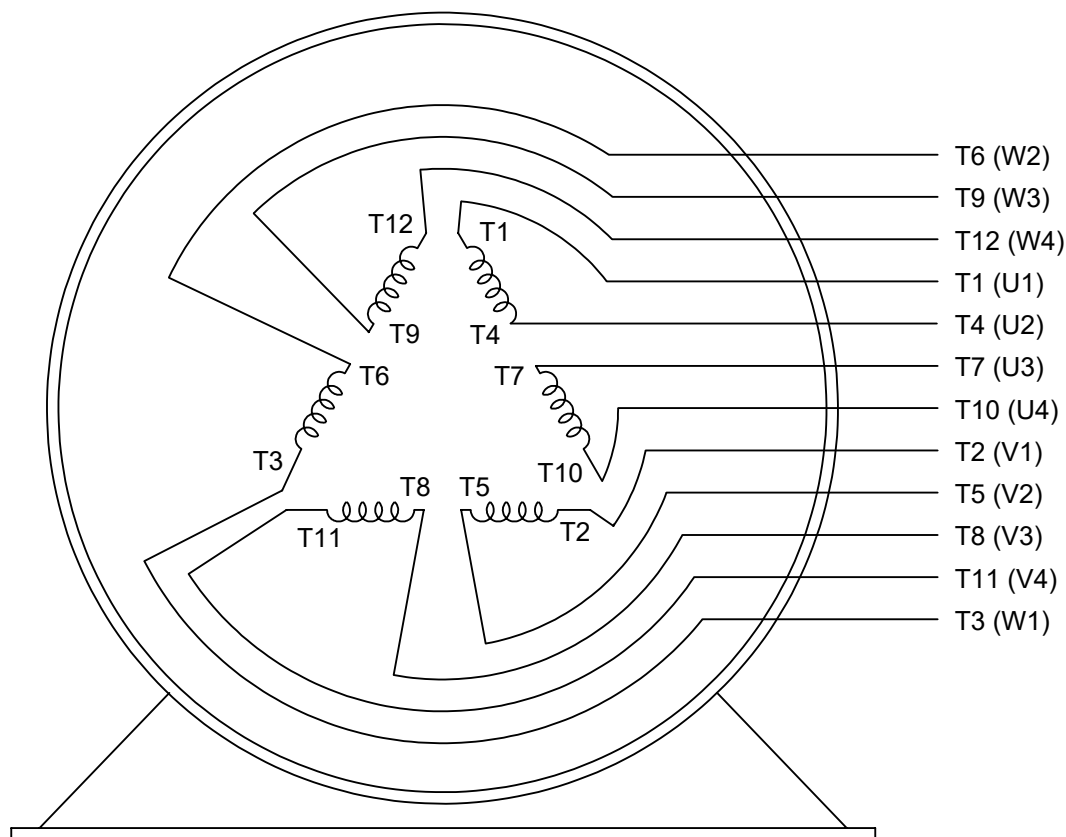
DRAWN BY MR	marathon™		
DATE 4/5/2015			
APPROVED BY KRK	DESCRIPTION OUTLINE		
DATE 4/5/2015	284/286T FR-TEFC-CAST IRON		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS620704	SHEET 1 OF 1



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION L	REVISION BY SB	REV DATE/© DATE 08/01/2025
REQUEST NUMBER CR-0023654	APPROVED BY SBD	DATE 08/01/2025
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DRAWN BY LZ			
DATE 01-12-1994			
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS		
DATE 01-14-1994			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7308AA	SHEET 1 OF 1

Data Sheet

Date: 8/12/2022
 Customer: _____
 Attention: _____
 Submitted by: _____



286TTFC6076
 225015.002 FAN
Submittal
 Data @ **460** V

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	13.0	14.1	16.9	21.0	26.0	29.4	31.9	145	
Torque (ft-lb)	0.00	22.0	44.0	66.5	89.0	102	112	172	
RPM	1200	1195	1190	1185	1180	1,178	1175	0	
Efficiency (%)		87.5	91.0	91.7	91.7	91.0	90.6		
P.F. (%)	4.5	38.0	61.0	73.0	79.0	81.0	81.5	40.0	

Motor Speed Data						Information Block	
	LR	Pull-Up	BD	Rated	Idle		
Speed (RPM)	0	600	1095	1180	1200	HP	20.0
Current (Amps)	145	133	81.0	26.0	13.0	Sync. RPM	1200
Torque (ft-lb)	172	128	199	89.0	0.00	Frame	286
						Enclosure	TEFC
						Construction	TFC
						Voltage	208-230/460#190/380 V
						Frequency	60 Hz
						Design	B
						LR Code letter	G
						Service Factor	1.15
						Temp Rise @ FL	65 ° C
						Duty	CONT
						Ambient	40 ° C
						Elevation	1,000 feet
						Rotor/Shaft wk²	6.5 Lb-Ft²
						Ref Wdg	HA31806005 NONE
						Sound Pressure @ 1M	56 dBA
						VFD Rating	CONSTANT 10:1/VARIABLE 10:1
						Outline Dwg	SS620704-200
						Conn. Diag	EE7308AA
Additional Specifications:							
0							
0							
EQUIV CKT (OHMS / PHASE)							
	R1	R2	X1	X2	Xm		
	0.3720	0.1830	0.9930	1.4750	20.4080		

