

General Purpose Motors

Model No: 364TTFCD6080

Catalog No: GT1135A

General Purpose Motor, 40 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 364T Frame, TEFC

Product Information Packet: Model No: 364TTFCD6080, Catalog No: GT1135A General Purpose Motor, 40 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 364T Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	40 Hp
Output KW	30.0 kW	Voltage	575 V
Speed	1188 r/min	Synchronous RPM	1200 r/min
Service Factor	1.15	Frame	364T
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	94.1 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	38.5 A
Power Factor	82.5	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Drive End Bearing Size	6313
Opp Drive End Bearing Size	6213	UL	Listed
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1
Hazardous Location	DIVISION 2 T2B		

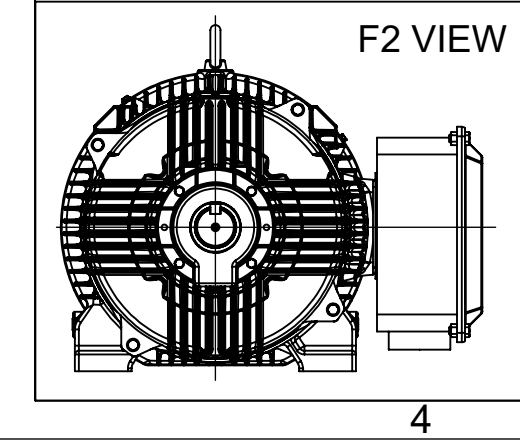
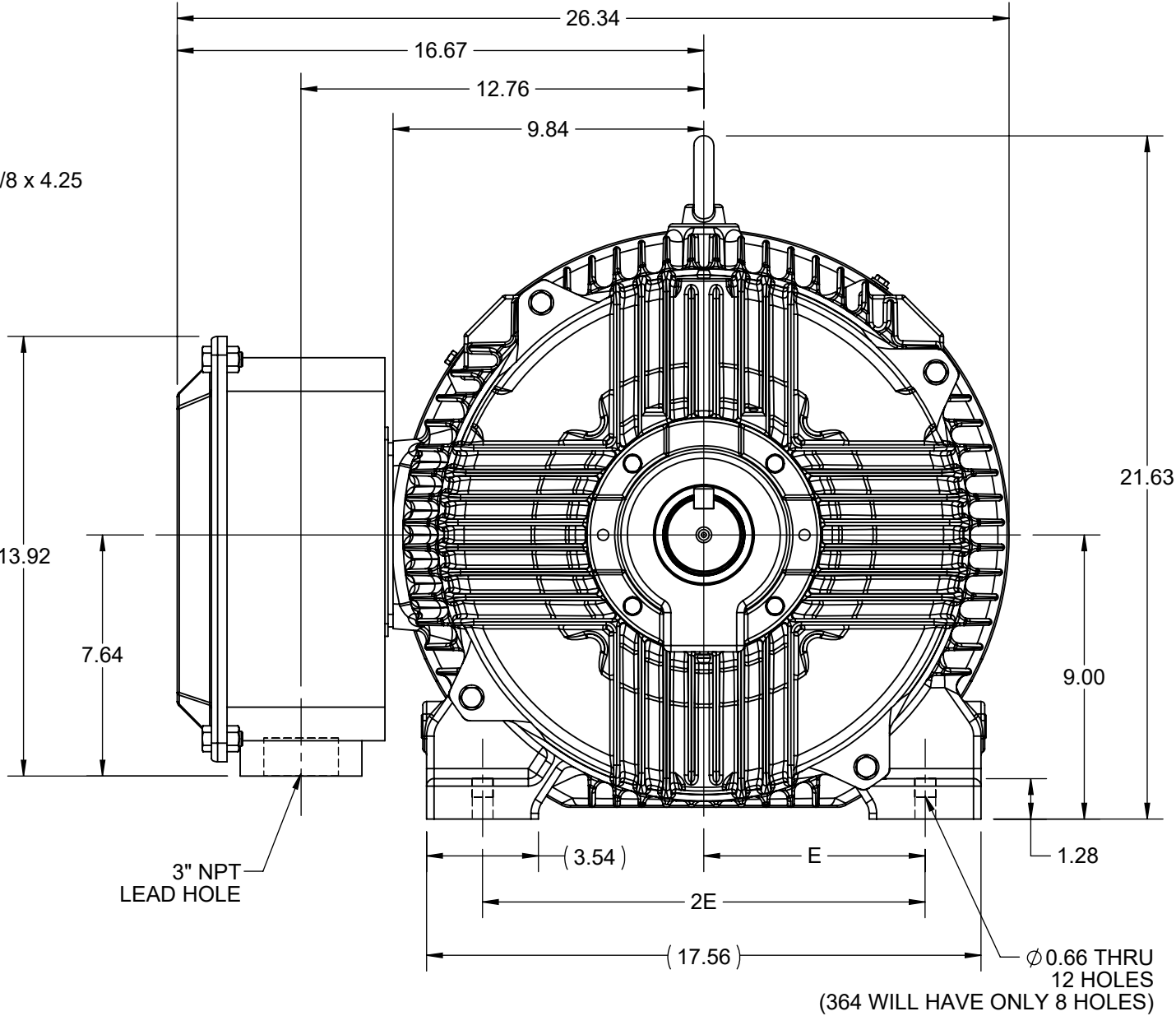
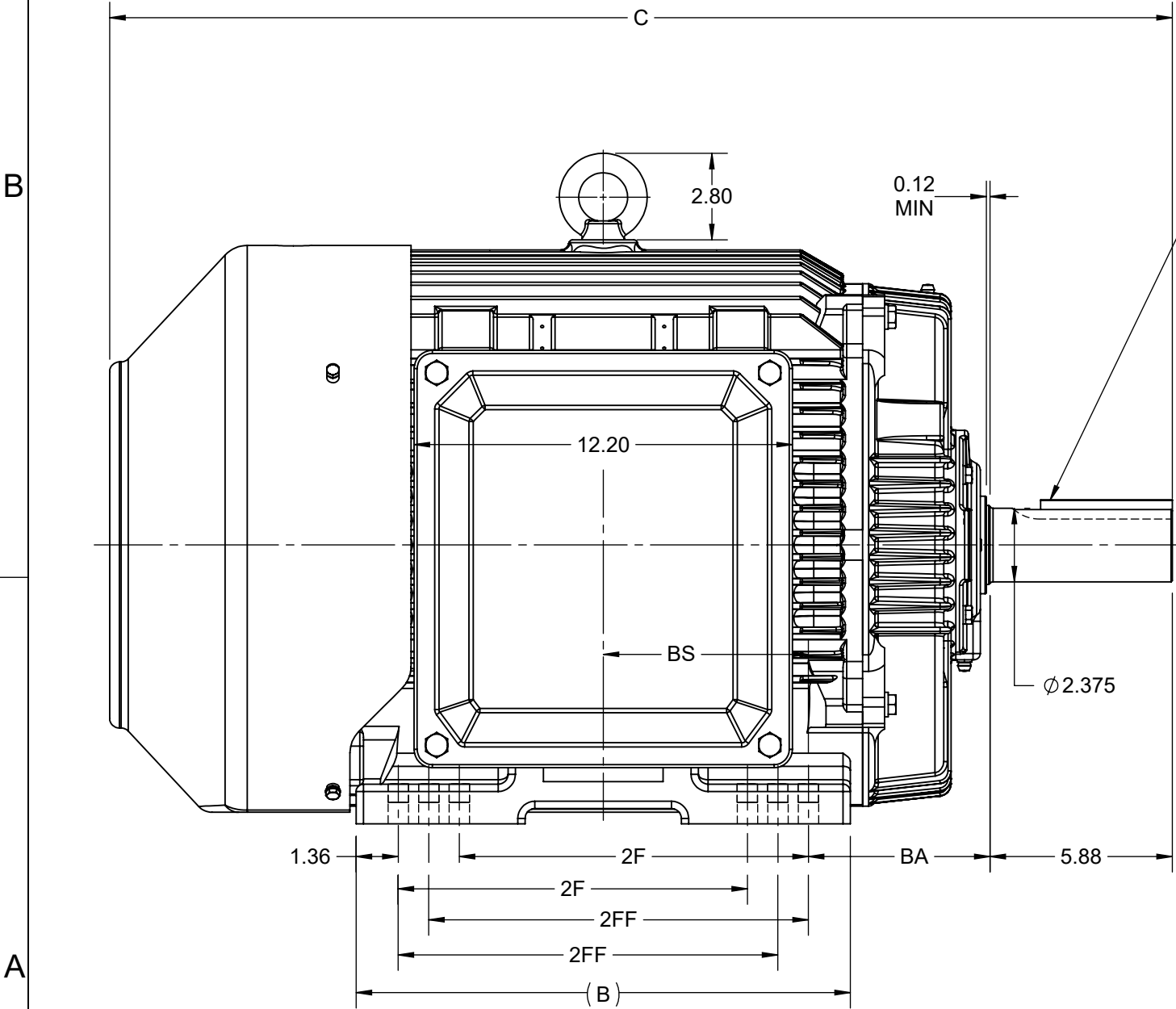
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.1664 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	33.32 in
Shaft Diameter	2 3/8 in	Shaft Extension	5.88 in
Assembly/Box Mounting	F1/F2 Capable	Inverter Load	Constant 2:1/Variable 10:1

Drawings

Connection Drawing	EE7300	Outline Drawing	SS556999-100
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4					3					2		1	
DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME			
100	14.96	33.30	7.00	14.00	-	11.25	5.88	6.12	F1 OR F2	364T			
200	15.94	34.30			11.25	12.25		6.62		364/365T			



DRAWING REVISION D	REVISION BY SB	REV DATE/© DATE 07/22/2025
REQUEST NUMBER CR-0023556	APPROVED BY SBD	DATE 07/22/2025
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DRAWN BY NIV	marathon™		
DATE 25/03/2016			
APPROVED BY SBD	DESCRIPTION OUTLINE 360T FR-TEFC		
DATE 25/03/2016			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS556999	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

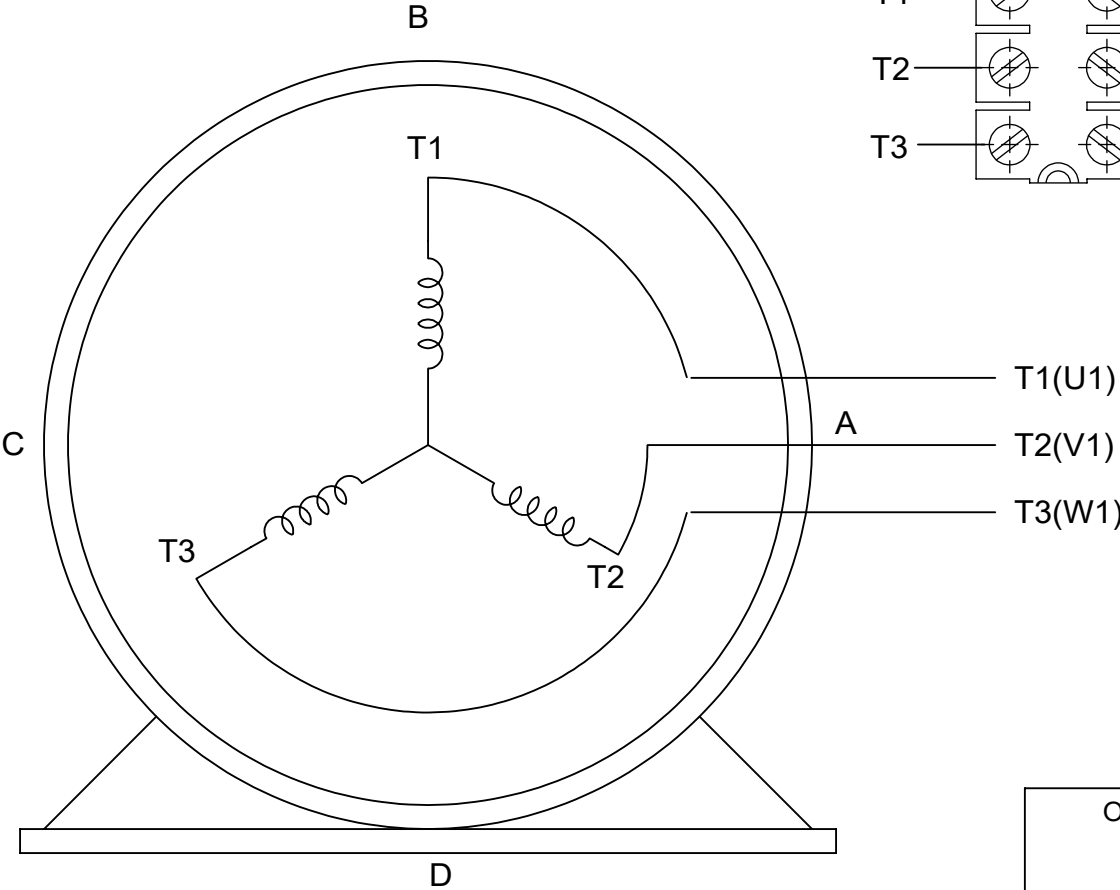
IF MOTOR HAS 6 LEADS

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

Data Sheet

Date: 16-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



364TTFCD6080

Submittal

Data @ 575 V

Motor Load Data

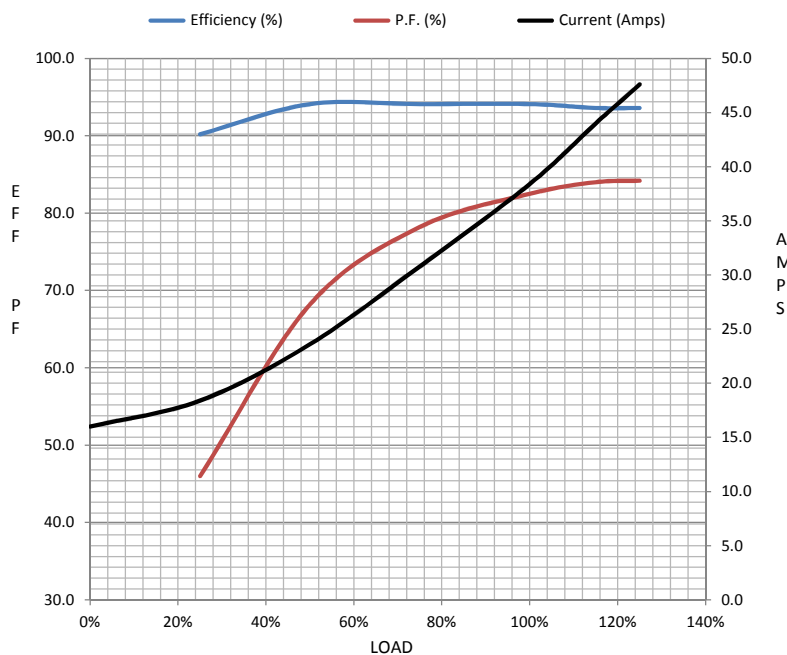
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	16.0	18.4	23.6	30.8	38.4	44.0	47.6	232	
Torque (ft-lb)	0.00	44.0	88.0	132	177	204	222	319	
RPM	1200	1198	1195	1192	1188	1,185	1184	0	
Efficiency (%)		90.2	94.1	94.1	94.1	93.6	93.6		
P.F. (%)	5.5	46.0	68.2	78.2	82.5	84.0	84.2	34.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1138	1188	1200
Current (Amps)	232	186	141	38.4	16.0
Torque (ft-lb)	319	270	504	177	0.00

Information Block

HP	40.0			
Sync. RPM	1200			
Frame	364			
Enclosure	TEFC			
Construction	TFC			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	60 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	25.0 Lb-Ft ²			
Ref Wdg	HE32256005 NONE			
Sound Pressure @ 1M	68 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS556999			
Conn. Diag	EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1600	0.0950	0.6630	1.2150	20.3260



Speed -Torque Curve

