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General Purpose Motors

Model No: 444TTFC6036
Catalog No: GT1049

General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 RPM, 444T Frame, TEFC

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Product Information Packet: Model No: 444TTFC6036, Catalog No: GT1049 General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 RPM, 444T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**125 & 100 Hp**
Output KW	**93.0 & 75.0 kW**	Voltage	**460 & 380 V**
Speed	**1786 & 1488 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**444T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**95.4 & 95 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**140 & 135 A**
Power Factor	**88**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**F**	Drive End Bearing Size	**6319**
Opp Drive End Bearing Size	**6317**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**

Technical Specifications

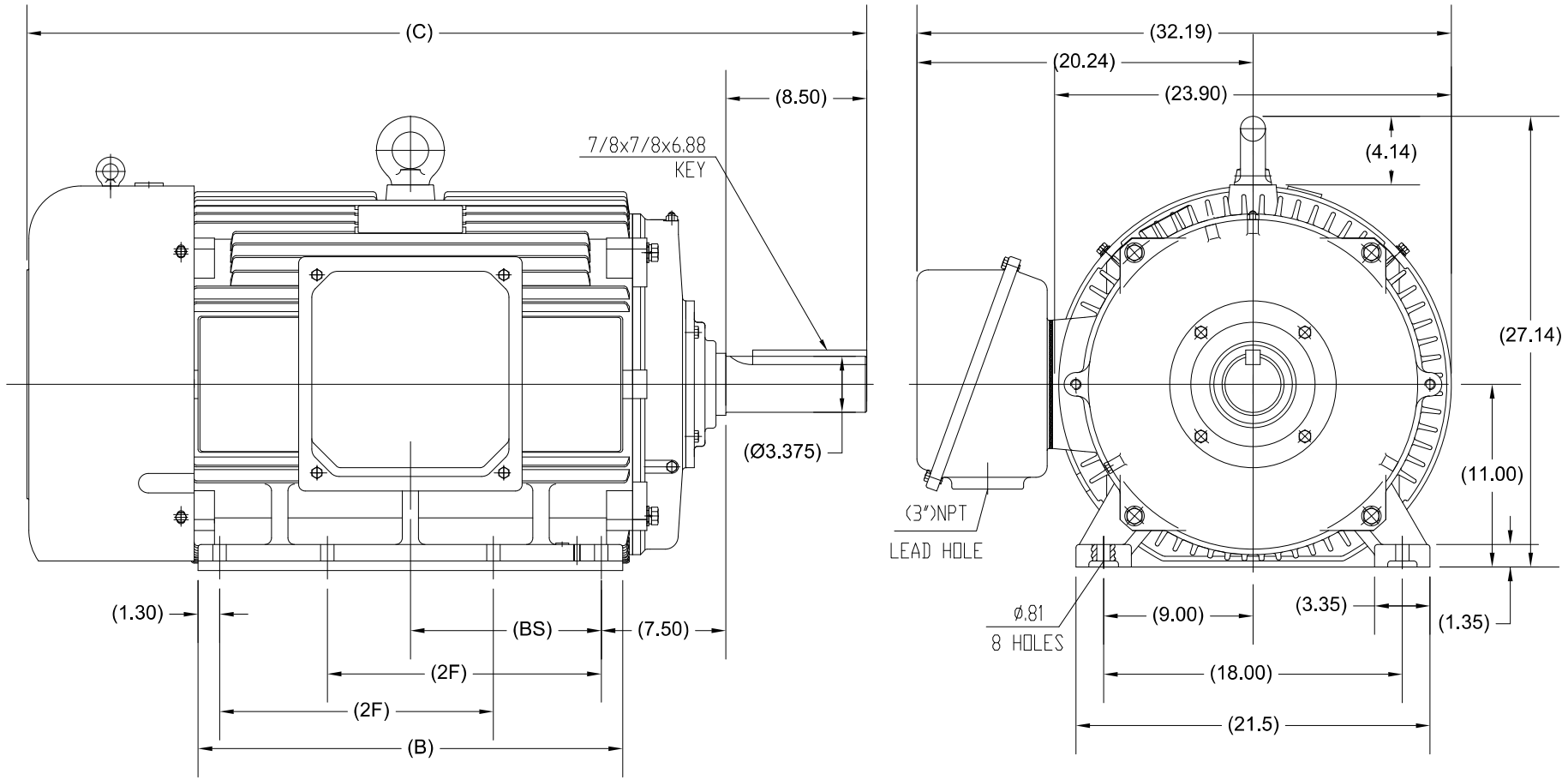
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.038 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**50.79 in**
Shaft Diameter	**3 3/8 in**	Shaft Extension	**8.5 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Variable 10:1**

Drawings

Connection Drawing	**A-EE7341C**	Outline Drawing	**SS620287-444T**

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1. THIS MOTOR IS NOT DUAL DRILLED FOR 444T/445T OR 447T/449T
2. THIS MOTOR IS DRILLED FOR F1/F2 CAPABILITY

444T	50.79	25.60	14.50	11.50
445T	50.79	25.60	16.50	11.50
447T	55.91	30.70	20.00	14.06
449T	55.91	30.70	25.00	---
Frame	C	B	2F	BS

DRAWING REVISION: G	REVISION BY: SB	REV DATE/ © DATE: 05/20/2026
REQUEST NUMBER: CR-0026330	APPROVED BY: RMS	DATE: 05/20/2026

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.XX	±0.03	[±0.8]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 °
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 200/ 5.1/ INCH mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY	ZYH
DATE	02/20/2010
APPROVED BY	CL
DATE	02/20/2010
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION: OUTLINE
444/445/447/449T FR - TEFC - CAST IRON

MATERIAL | PROCESS/FINISH

SIZE: B | DRAWING NUMBER: SS620287 | SHEET: 1 OF 1

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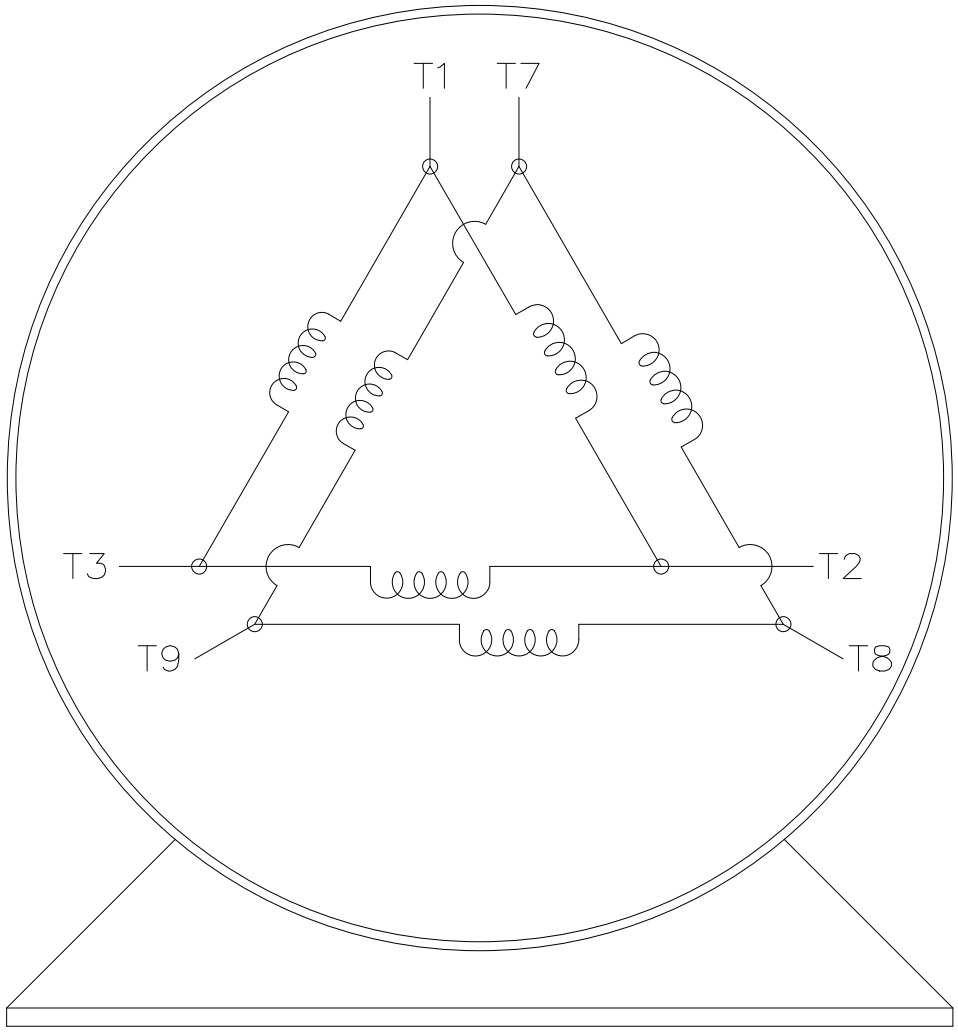
THREE PHASE – PART WINDING START
DELTA – 6 LEADS

START

CONNECT T1 TO LINE 1
CONNECT T2 TO LINE 2
CONNECT T3 TO LINE 3
T7–T8–T9 OPEN

RUN

CONNECT T1&T7 TO LINE 1
CONNECT T2&T8 TO LINE 2
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

IF MOTOR HAS 2 T'S

START

CONNECT T1,T1 TO LINE 1
CONNECT T2,T2 TO LINE 2
CONNECT T3,T3 TO LINE 3
T7,T7–T8,T8–T9,T9 OPEN

RUN

CONNECT T1,T1&T7,T7 TO LINE 1
CONNECT T2,T2&T8,T8 TO LINE 2
CONNECT T3,T3&T9,T9 TO LINE 3

DRAWING REVISION	REVISION BY	REV DATE/ © DATE
F	SB	08/01/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023654	SBD	08/01/2025

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PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
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DATE	03/09/1998
APPROVED BY	GK
DATE	03/23/1998
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø – 6 LEADS

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7341C	1 OF 1

Data Sheet

Date: 6/20/2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

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444TTFC6036

Submittal

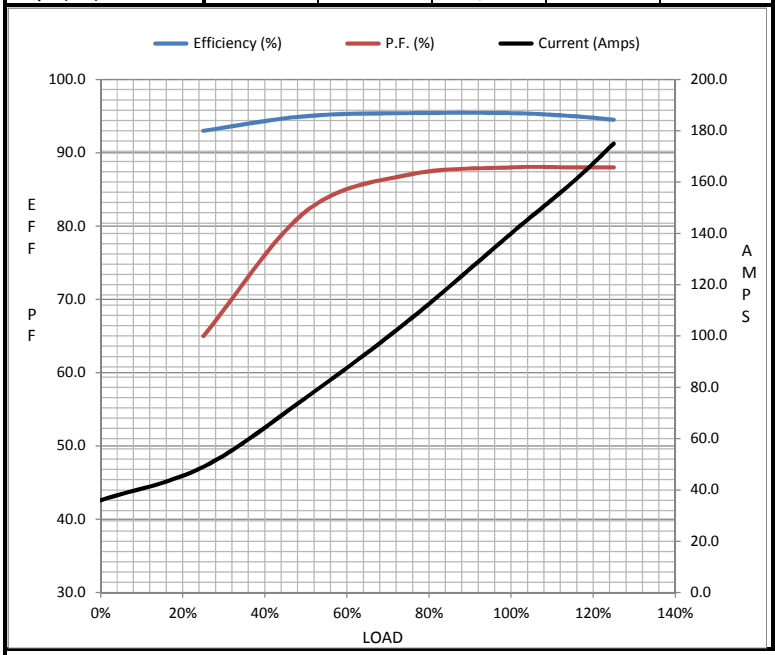
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	36.0	49.0	76.0	106	140	160	175	850	
Torque (ft-lb)	0.00	91.5	183	275	367	423	460	735	
RPM	1800	1796	1794	1790	1786	1,784	1782	0	
Efficiency (%)		93.0	95.0	95.4	95.4	95.0	94.5		
P.F. (%)	6.0	65.0	82.0	87.0	88.0	88.0	88.0	35.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1000	1750	1786	1800
Current (Amps)	850	775	500	140	36.0
Torque (ft-lb)	735	650	1,050	367	0.00



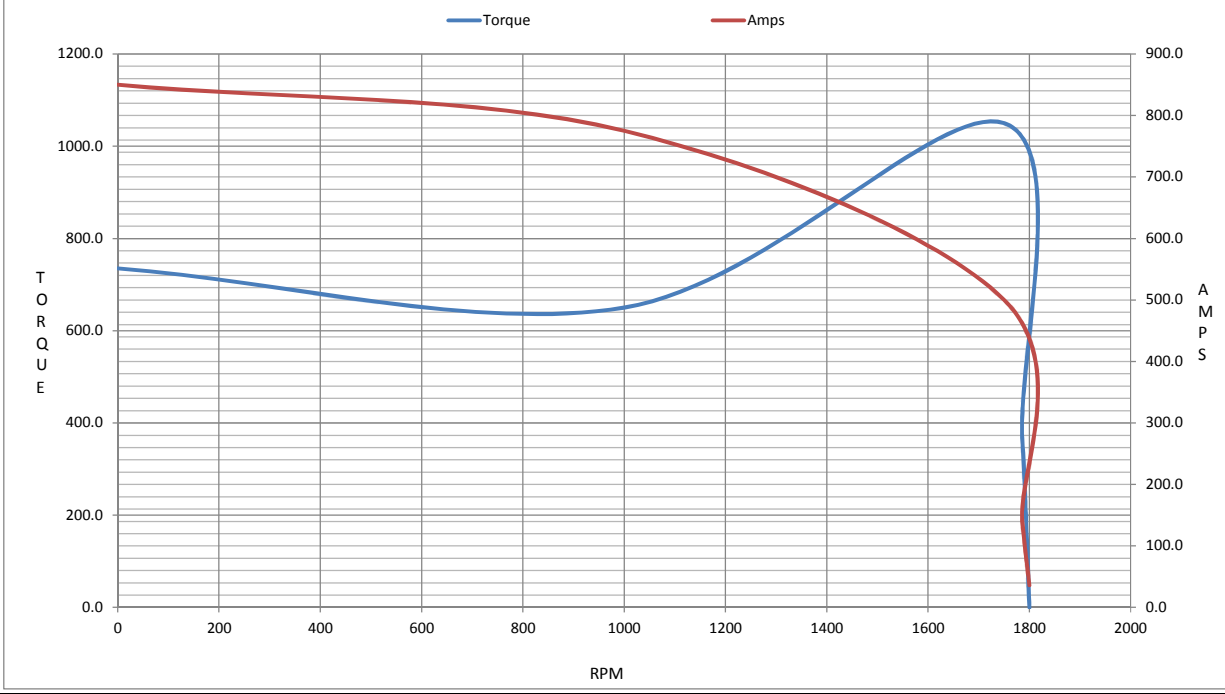
Information Block

HP	125.0
Sync. RPM	1800
Frame	444
Enclosure	TEFC
Construction	TFC
Voltage	460#380 V
Frequency	60 Hz
Design	B
LR Code letter	F
Service Factor	1.15
Temp Rise @ FL	55 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	60.0 Lb-Ft²
Ref Wdg	CHT44440001 NONE
Sound Pressure @ 1M	75 dBA
VFD Rating	VARIABLE 10:1
Outline Dwg	B-SS620287
Conn. Diag	A-EE7341C
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0260	0.0130	0.1580	0.2970	7.4000

Speed -Torque Curve



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CERTIFICATION DATA SHEET

Model#:	444TTFC6036 AB	**WINDING#:**	CHT44440001 NONE 1
CONN. DIAGRAM:	A-EE7341C	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	B-SS620287		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
125&100	93&75	1800	1786&1488	444T	TEFC	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	460#380	140&135	PWS OR INVERTER	CONTINUOUS	F7	1.15/1.15	40	3300

FULL LOAD EFF: 95.4&95	3/4 LOAD EFF: 95.4	1/2 LOAD EFF: 95	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88&88	3/4 LOAD PF: 87	1/2 LOAD PF: 82	95	SQ CAGE INV RATED	36

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
367 LB-FT	850	735 LB-FT 200	1050 LB-FT 285	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	60 LB-FT^2	750 LB-FT^2	25 SEC.	2	2450 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6319	BALL 6317	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: VARIABLE 10:1
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

* NOTES *

DATE: 06/21/2017 04:25:44 AM
FORM 3531 REV.3 02/07/99
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