marathon®

General Purpose Motors

Model No: 365TTFCD6086
Catalog No: GT1038A

General Purpose Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 365T Frame, TEFC

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Product Information Packet: Model No: 365TTFCD6086, Catalog No: GT1038A General Purpose Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 365T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**50 & 40 Hp**
Output KW	**37.0 & 30.0 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1188 & 988 r/min**	Synchronous RPM	**1200 & 1000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**365T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**94.1 & 93.6 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**121/60.5 & 119/59.5 A**
Power Factor	**82**	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

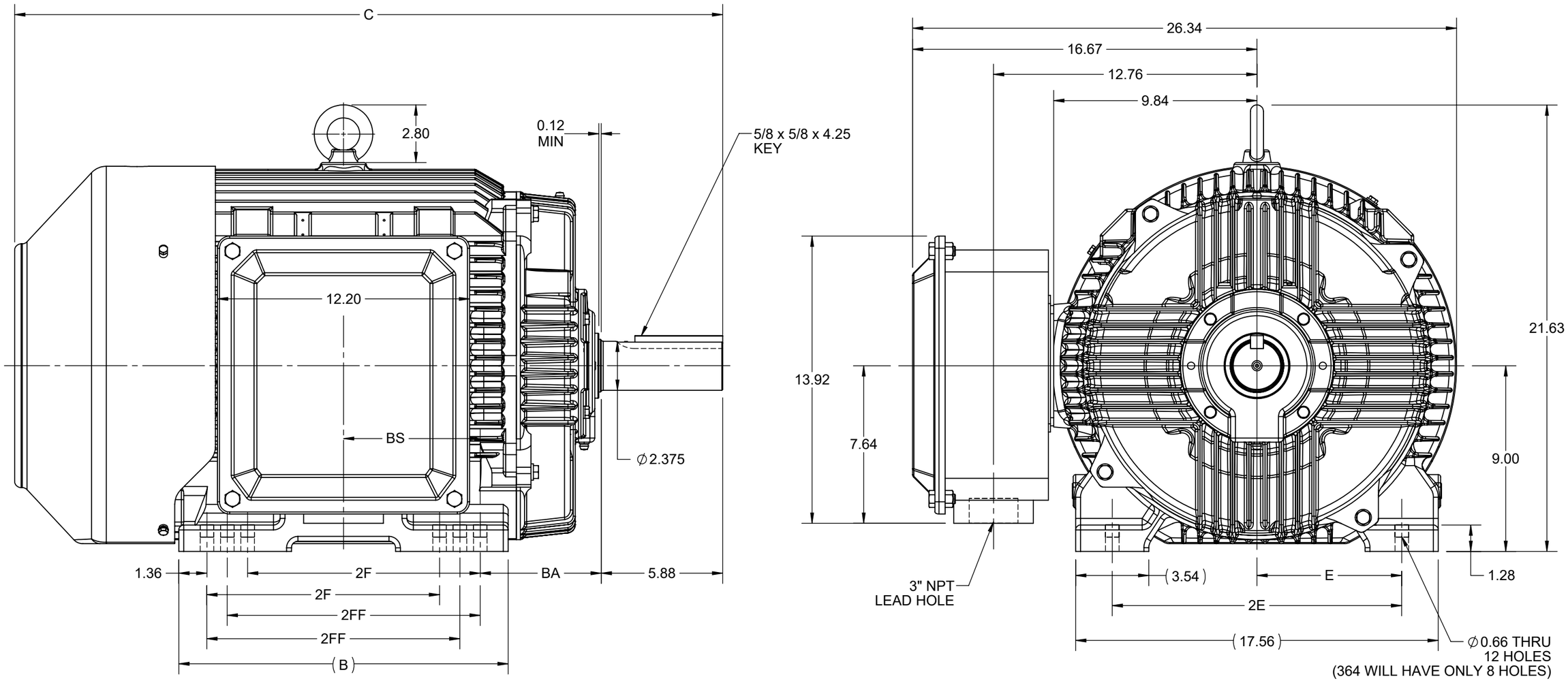
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**.1329 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**34.3 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**

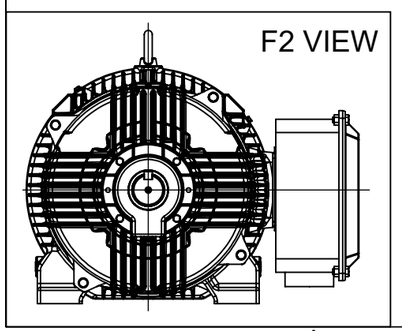
Drawings

Connection Drawing	**EE7308AA**	Outline Drawing	**SS556999-200**

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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	REVISION BY	REV DATE/© DATE
D	SB	07/22/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023556	SBD	07/22/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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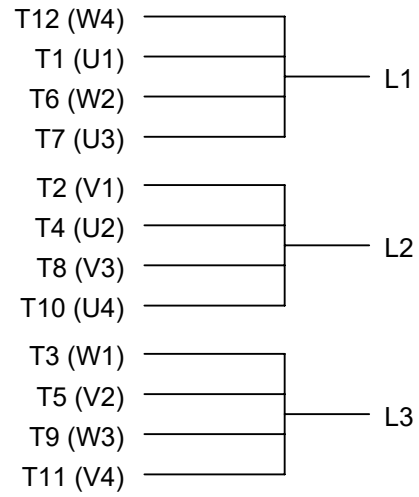
DRAWN BY	NIV
DATE	25/03/2016
APPROVED BY	SBD
DATE	25/03/2016
REFERENCE	

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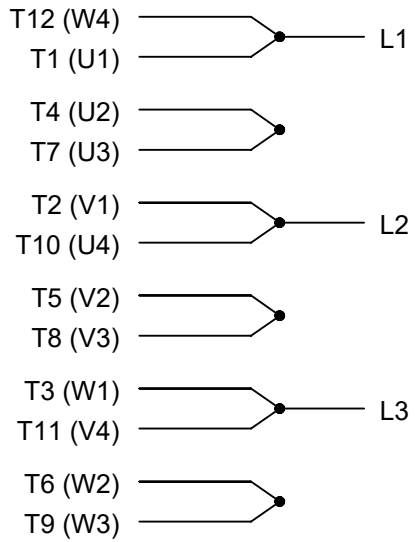
DESCRIPTION
OUTLINE
360T FR-TEFC

MATERIAL | PROCESS/FINISH

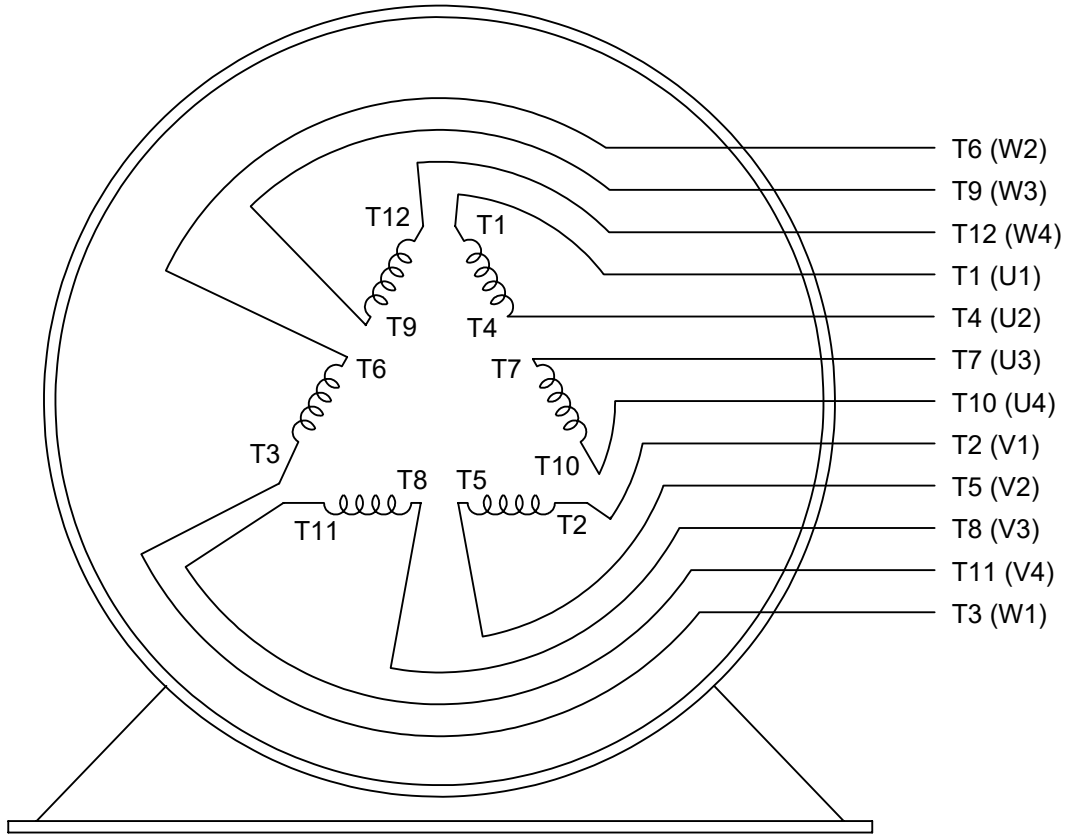
THIRD ANGLE PROJECTION | SIZE B | DRAWING NUMBER SS556999 | SHEET 1 OF 1



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION: L	REVISION BY: SB	REV DATE/© DATE: 08/01/2025	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY: LZ	marathon™
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/01/2025		DATE: 01-12-1994	
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED				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

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Data Sheet

Date: 12/12/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

365TTFCD6086

Submittal

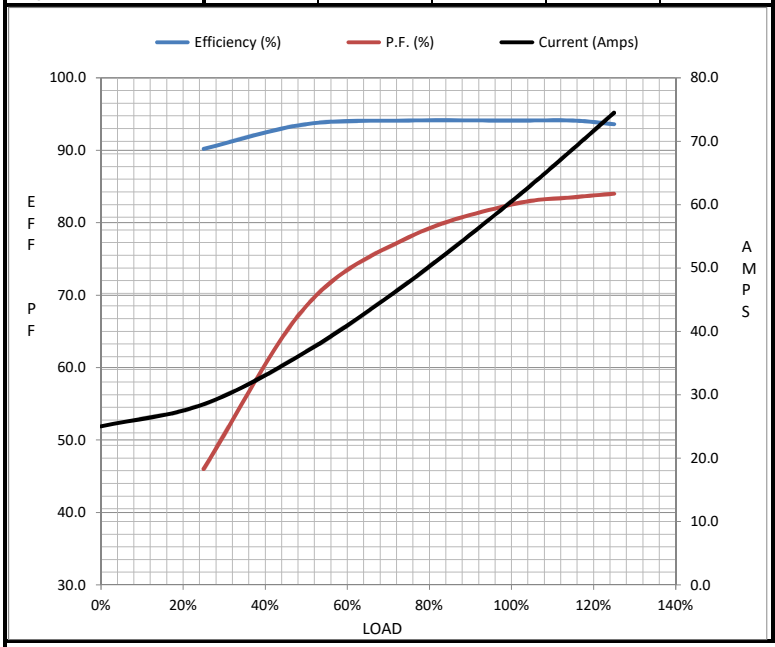
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	25.0	28.5	36.8	47.8	60.5	68.8	74.5	362	
Torque (ft-lb)	0.00	55.0	110	165	221	255	277	398	
RPM	1200	1198	1195	1190	1188	1,185	1184	0	
Efficiency (%)		90.2	93.6	94.1	94.1	94.1	93.6		
P.F. (%)	5.0	46.0	68.5	78.0	82.5	83.5	84.0	34.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1135	1188	1200
Current (Amps)	362	290	215	60.5	25.0
Torque (ft-lb)	398	335	620	221	0.00



Information Block

HP	50.0
Sync. RPM	1200
Frame	365
Enclosure	TEFC
Construction	TFC
Voltage	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	27.5 Lb-Ft²
Ref Wdg	HE32256004 NONE
Sound Pressure @ 1M	68 dBA
VFD Rating	VARIABLE 10:1
Outline Dwg	SS556999
Conn. Diag	EE7308AA
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0830	0.0500	0.3400	0.6290	10.5460

Speed -Torque Curve

