marathon®

General Purpose Motors

Model No: 326TTFCD6028
Catalog No: GT1237A

General Purpose Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 326TC Frame, TEFC

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Product Information Packet: Model No: 326TTFCD6028, Catalog No: GT1237A General Purpose Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 326TC 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	**1780 & 1485 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**326TC**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**94.5 & 94.4 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**117/58.5 & 115/57.5 A**
Power Factor	**85**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6312**
Opp Drive End Bearing Size	**6212**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

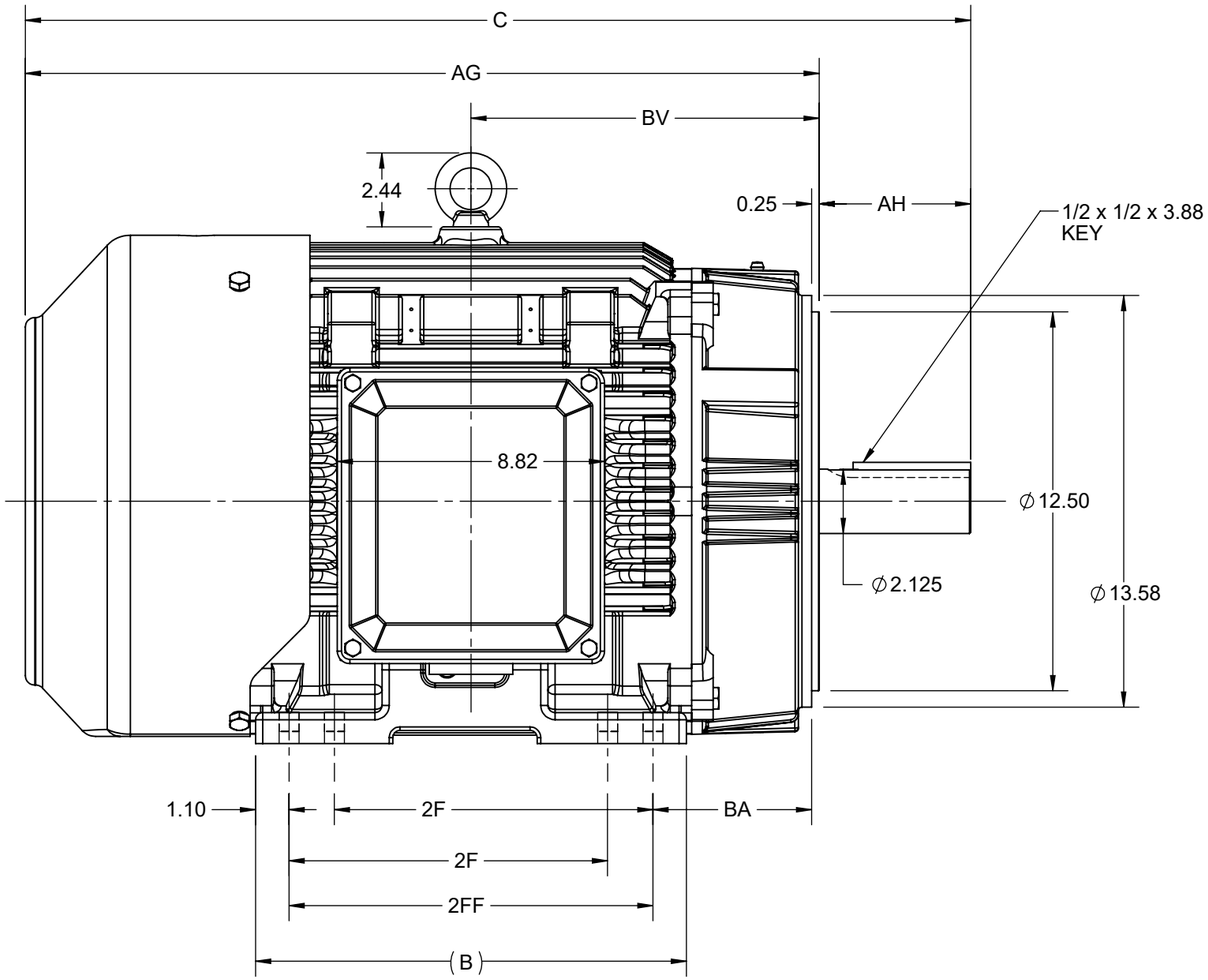
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.127 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**31.19 in**
Frame Length	**14.56 in**	Shaft Diameter	**2.125 in**
Shaft Extension	**5.25 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 2:1/Variable 10:1**		

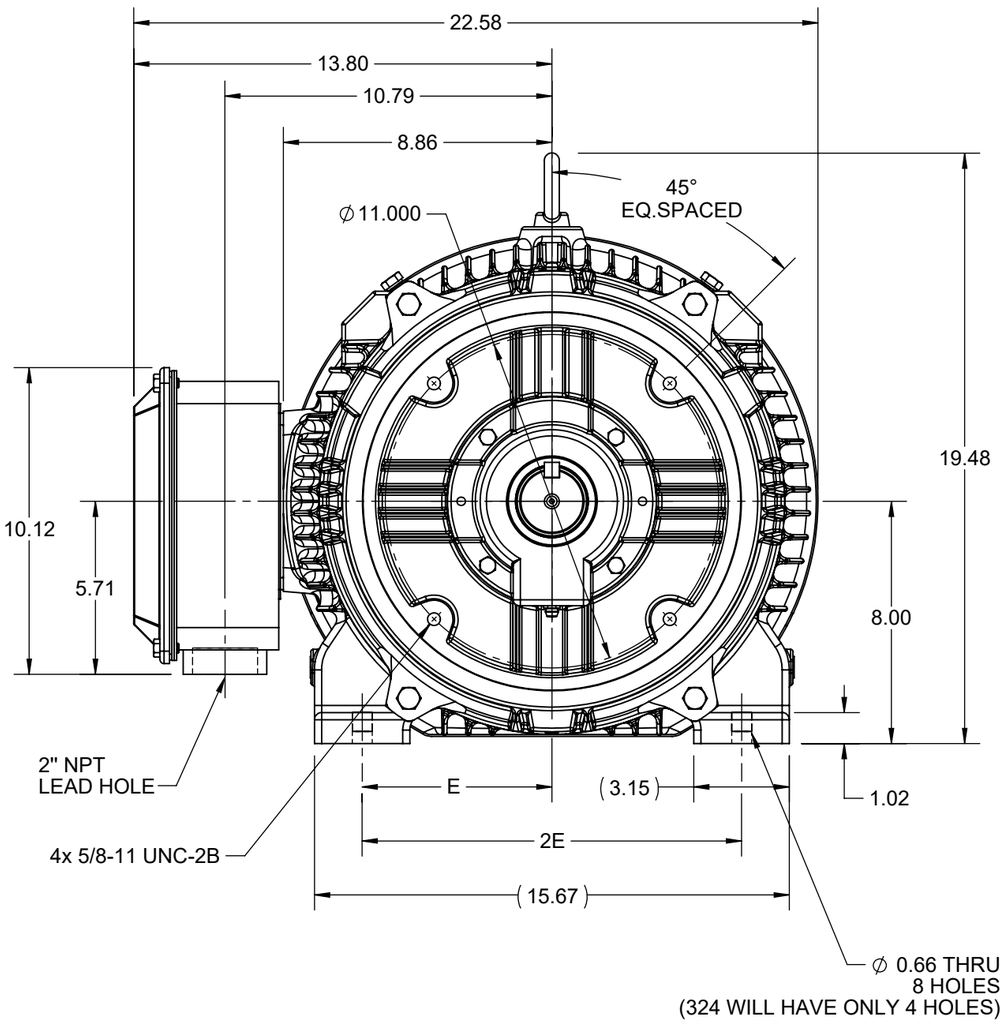
Drawings

Connection Drawing	**EE7308AA**	Outline Drawing	**SS312784-200**

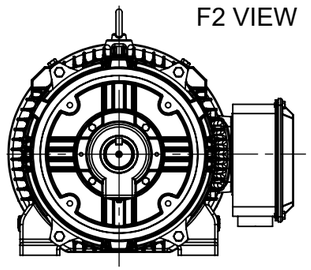
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DASH NO.	B	C	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME
100	12.71	29.69	6.25	12.50	---	10.50	24.69	5.00	5.25	10.75	F1 OR F2	324TC
200	14.21	31.19			10.50	12.00	26.19			11.50		324/326TC





F2 VIEW



DRAWING REVISION	REVISION BY	REV DATE/© DATE
D	SB	08/12/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023556	SBD	08/12/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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ARE FOR REFERENCE ONLY

DRAWN BY	NIV
DATE	29/03/2016
APPROVED BY	SBD
DATE	29/03/2016
REFERENCE	

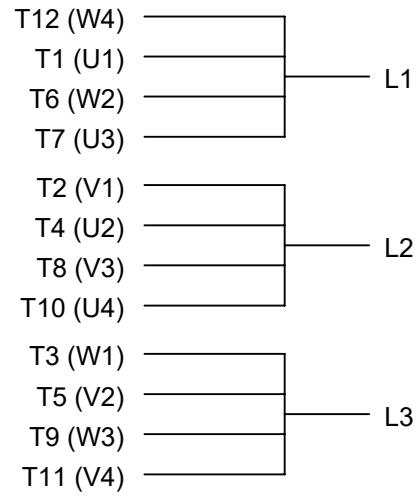
THIRD ANGLE PROJECTION

marathon™

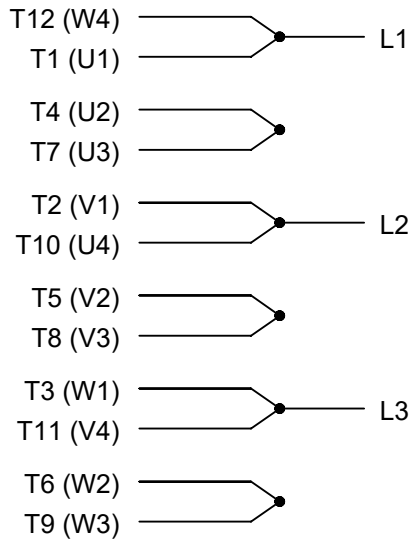
DESCRIPTION
OUTLINE
324/326TC FR-NEMA-TEFC

MATERIAL | PROCESS/FINISH

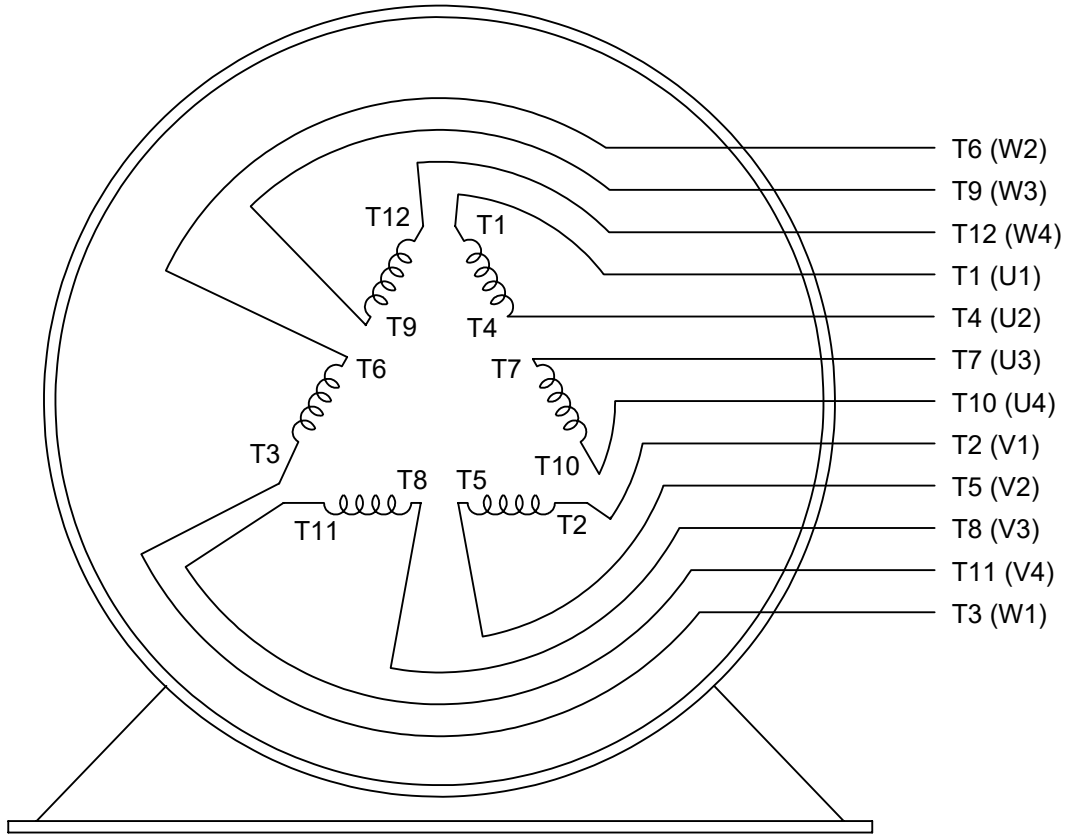
SIZE	DRAWING NUMBER	SHEET
B	SS312784	1 OF 1



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: 5/3/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

326TTFCD6028

Submittal

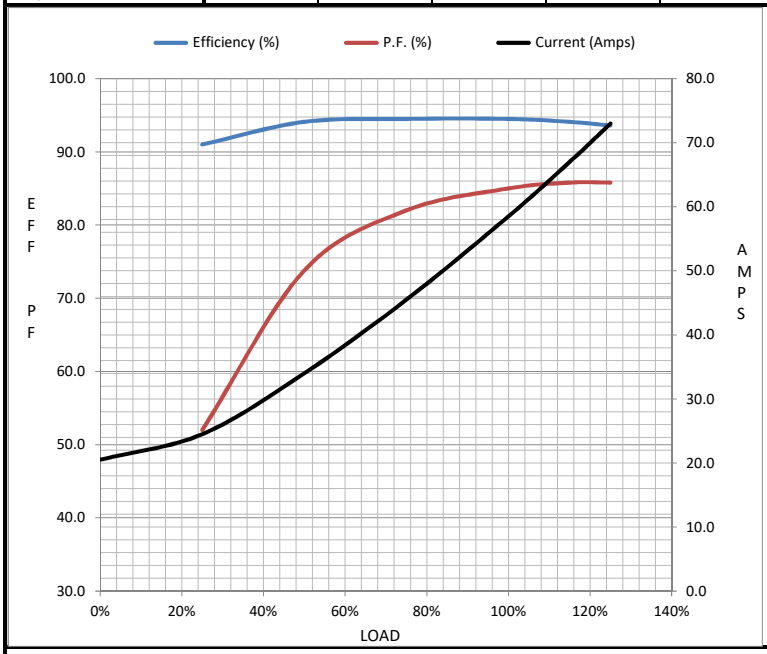
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	20.5	24.5	34.0	45.5	58.5	67.0	73.0	362	
Torque (ft-lb)	0.00	36.5	73.5	110	148	170	185	265	
RPM	1800	1795	1790	1788	1782	1,778	1775	0	
Efficiency (%)		91.0	94.1	94.5	94.5	94.1	93.6		
P.F. (%)	4.5	52.0	73.8	82.0	85.0	85.8	85.8	32.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1710	1782	1800
Current (Amps)	362	285	206	58.5	20.5
Torque (ft-lb)	265	225	383	148	0.00



Information Block

HP	50.0
Sync. RPM	1800
Frame	326182TTFC6080
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	12.0 Lb-Ft²
Ref Wdg	HE32004006 NONE
Sound Pressure @ 1M	65 dBA
VFD Rating	VARIABLE 10:1
Outline Dwg	SS312784
Conn. Diag	EE7308AA
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0820	0.0490	0.3860	0.7030	13.0410

Speed -Torque Curve

