marathon®

General Purpose Motors

Model No: 184TTFC6026
Catalog No: GT1013

General Purpose Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 184T Frame, TEFC

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Product Information Packet: Model No: 184TTFC6026, Catalog No: GT1013 General Purpose Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 184T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**5 & 3 Hp**
Output KW	**3.7 & 2.2 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1740 & 1458 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**184T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**89.5 & 89.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**12.4/6.2 & 9.6/4.8 A**
Power Factor	**85**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**A**
KVA Code	**K**	Drive End Bearing Size	**6206**
Opp Drive End Bearing Size	**6205**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**

Technical Specifications

Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**2.2 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	**15.81 in**
Shaft Diameter	**1 1/8 in**	Shaft Extension	**2.75 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Variable 10:1**

Drawings

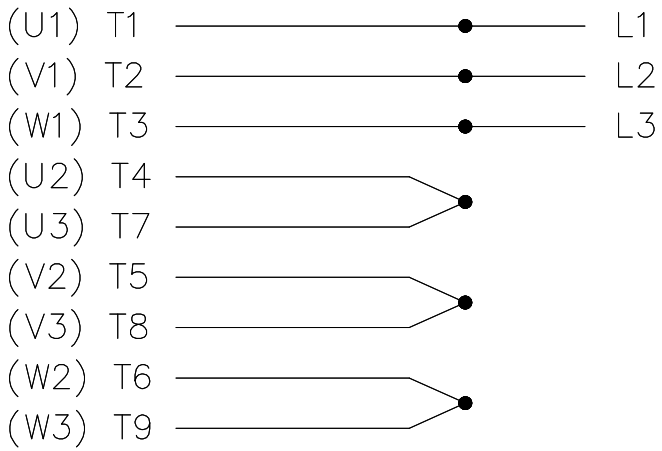
Connection Drawing	**A-EE7308**	Outline Drawing	**SS620290-184T**

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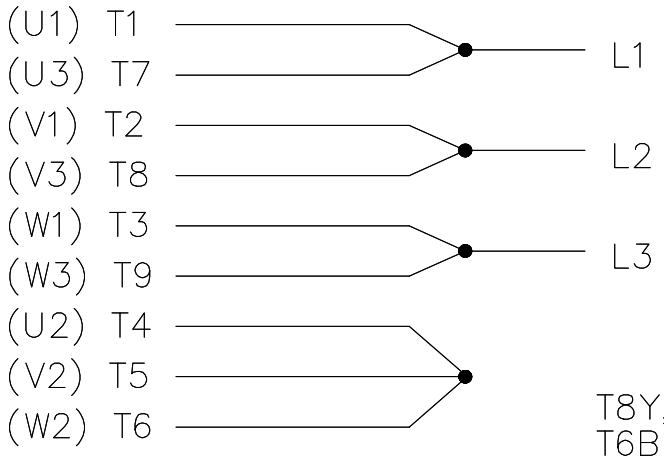
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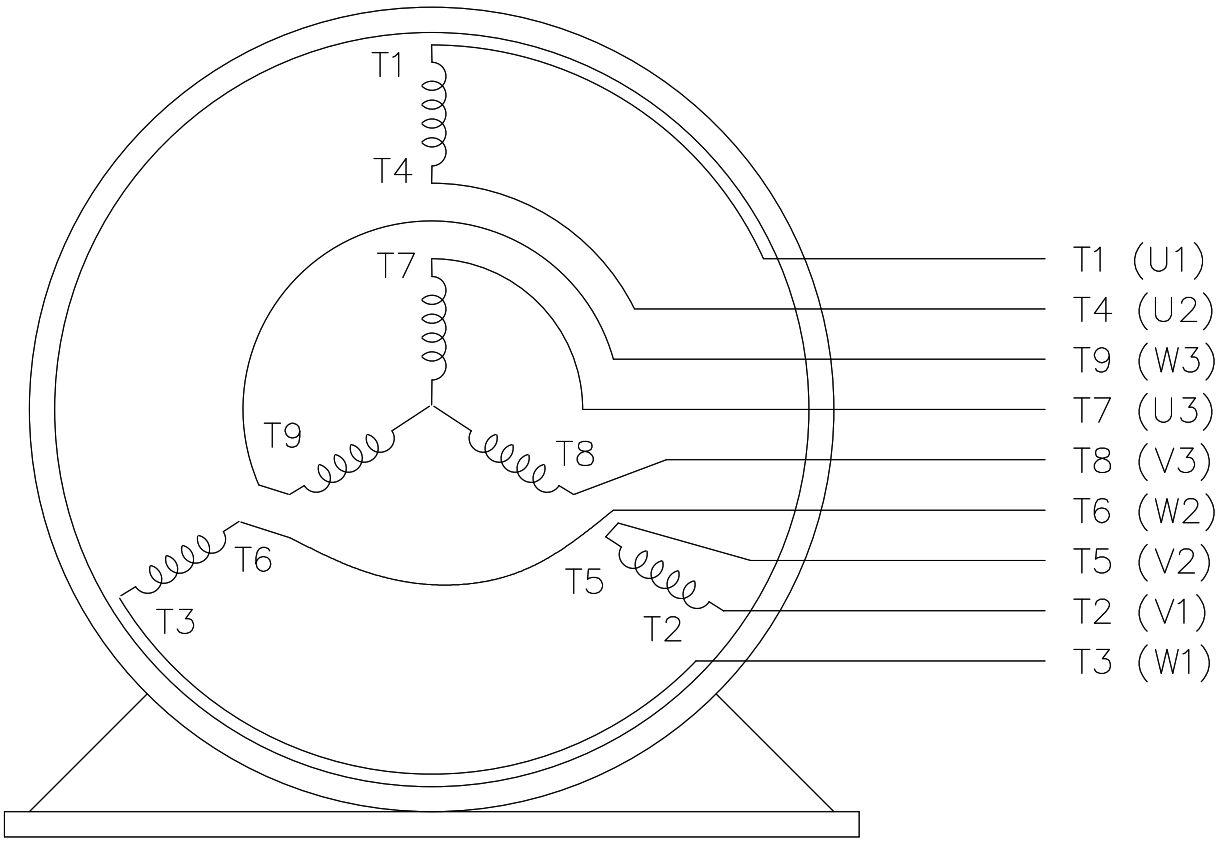
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE





VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD CONNECTION

L1	WHITE
L2	RED
L3	BLACK

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

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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DATE: 11/20/1990	
APPROVED BY: SAS	
DATE: 04/24/2003	
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø - DUAL VOLTAGE MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	3 of 5 EE7308	1 OF 1

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Data Sheet

Date: 19-06-2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

184TTFC6026

Submittal

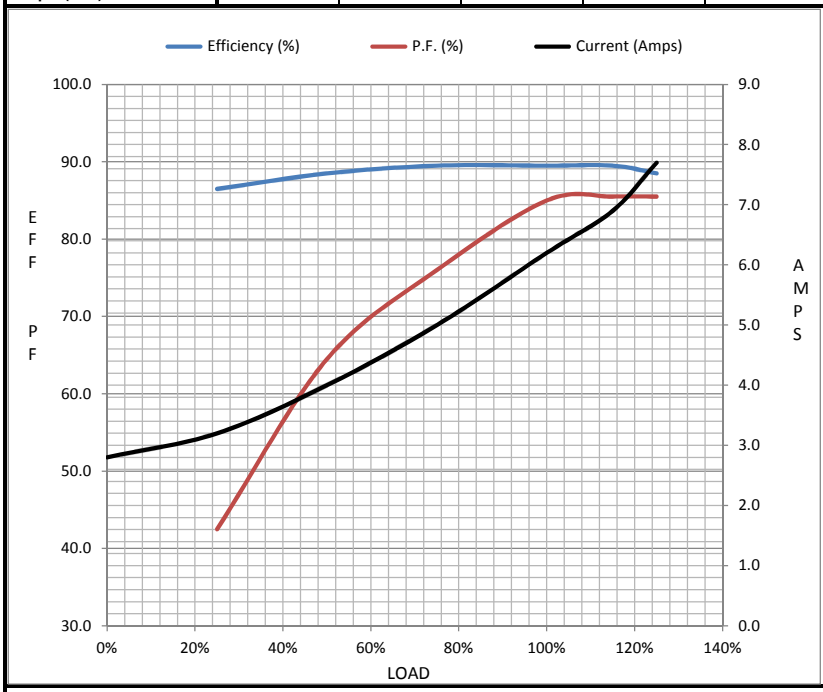
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.80	3.2	4.0	5.0	6.2	6.9	7.7	56.0	
Torque (ft-lb)	0.00	3.7	7.4	11.2	15.1	17.4	19.0	38.0	
RPM	1800	1790	1780	1755	1740	1,732	1725	0	
Efficiency (%)		86.5	88.5	89.5	89.5	89.5	88.5		
P.F. (%)	5.5	42.5	64.5	76.0	85.0	85.5	85.5	53.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1450	1740	1800
Current (Amps)	56.0	50.5	36.0	6.2	2.80
Torque (ft-lb)	38.0	34.2	57.4	15.1	0.00



Information Block

HP	5.0
Sync. RPM	1800
Frame	184
Enclosure	TEFC
Construction	TFC
Voltage	230/460#190/38(V
Frequency	60 Hz
Design	A
LR Code letter	K
Service Factor	1.15
Temp Rise @ FL	55 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	0.50 Lb-Ft²
Ref Wdg	CHT18440007 NONE
Sound Pressure @ 1M	62 dBA
VFD Rating	VARIABLE 10:1
Outline Dwg	B-SS620290
Conn. Diag	A-EE7308

Additional Specifications:

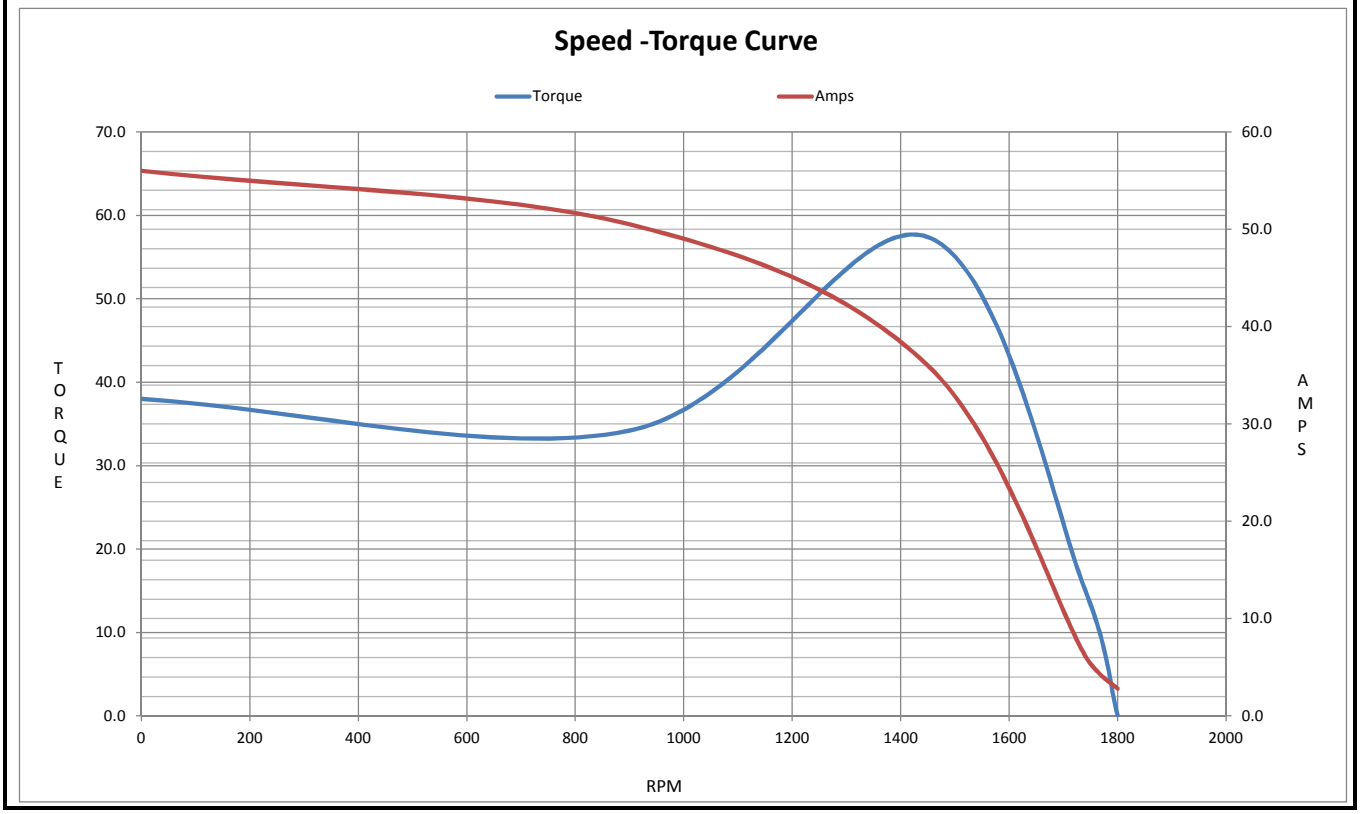
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365THFS8036

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
1.3040	1.4740	3.8270	4.0370	106.8800

Speed -Torque Curve



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CERTIFICATION DATA SHEET

Model#:	184TTFC6026 BB	**WINDING#:**	CHT18440007 NONE 1
CONN. DIAGRAM:	A-EE7308	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	B-SS620290		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5&3	3.7&2.24	1800	1740&1458	184T	TEFC	K	A

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	12.4/6.2&9.6/4.8	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40	3300

FULL LOAD EFF: 89.5&89.5	3/4 LOAD EFF: 89.5	1/2 LOAD EFF: 88.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85&80	3/4 LOAD PF: 76	1/2 LOAD PF: 64.5	88.5	SQ CAGE INV RATED	5.6 / 2.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15.1 LB-FT	112 / 56	38 LB-FT 252	57.4 LB-FT 380	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.5 LB-FT^2	30 LB-FT^2	20 SEC.	2	110 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 6206	BALL 6205	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
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DATE: 06/28/2017 07:18:15 AM
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