marathon®

50 Hz Motors

Model No: 184TTDBD8026
Catalog No: H954A

50 Hz Motor, 5 HP, 3 Ph, 50 Hz, 200/400 V, 1500 RPM, 184T Frame, DP

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Product Information Packet: Model No: 184TTDBD8026, Catalog No: H954A 50 Hz Motor, 5 HP, 3 Ph, 50 Hz, 200/400 V, 1500 RPM, 184T Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**5 Hp**
Output KW	**3.7 kW**	Voltage	**200/400 V**
Speed	**1450 r/min**	Synchronous RPM	**1500 r/min**
Service Factor	**1.15**	Frame	**184T**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**82.5 %**	Ambient Temperature	**40 °C**
Frequency	**50 Hz**	Current	**14.3/7.1 A**
Power Factor	**87.2**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**H**	Drive End Bearing Size	**6206**
Opp Drive End Bearing Size	**6203**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

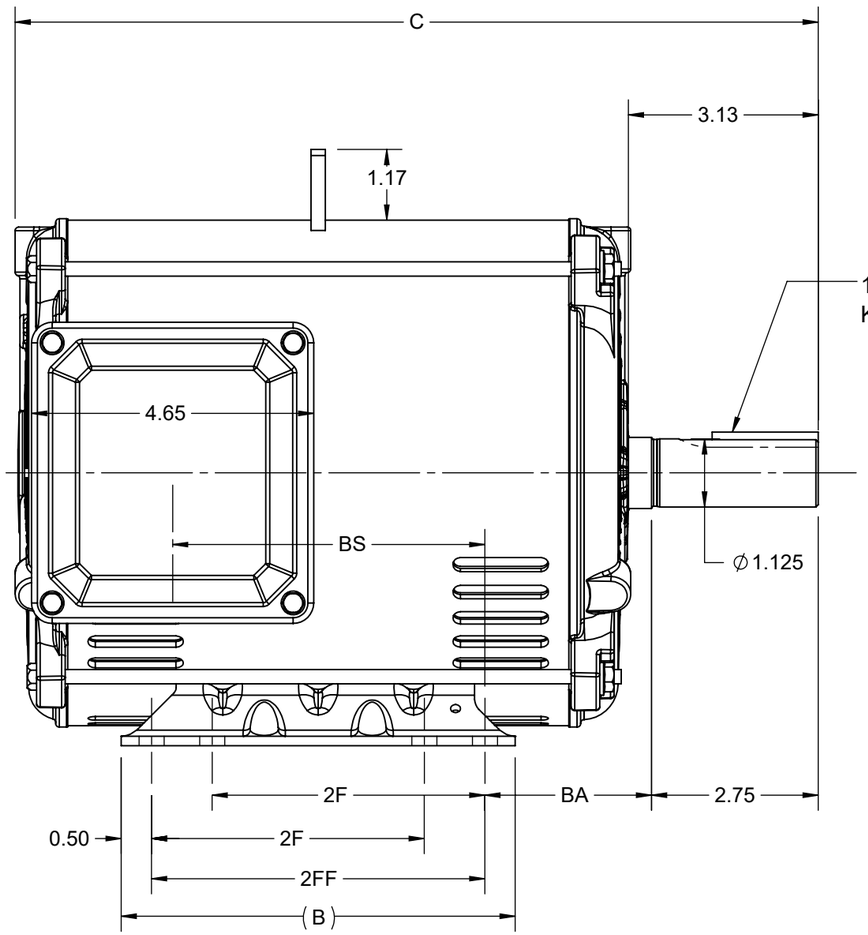
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**2.62 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Shaft Diameter	**1.125 in**
Assembly/Box Mounting	**F1/F2 Capable**		

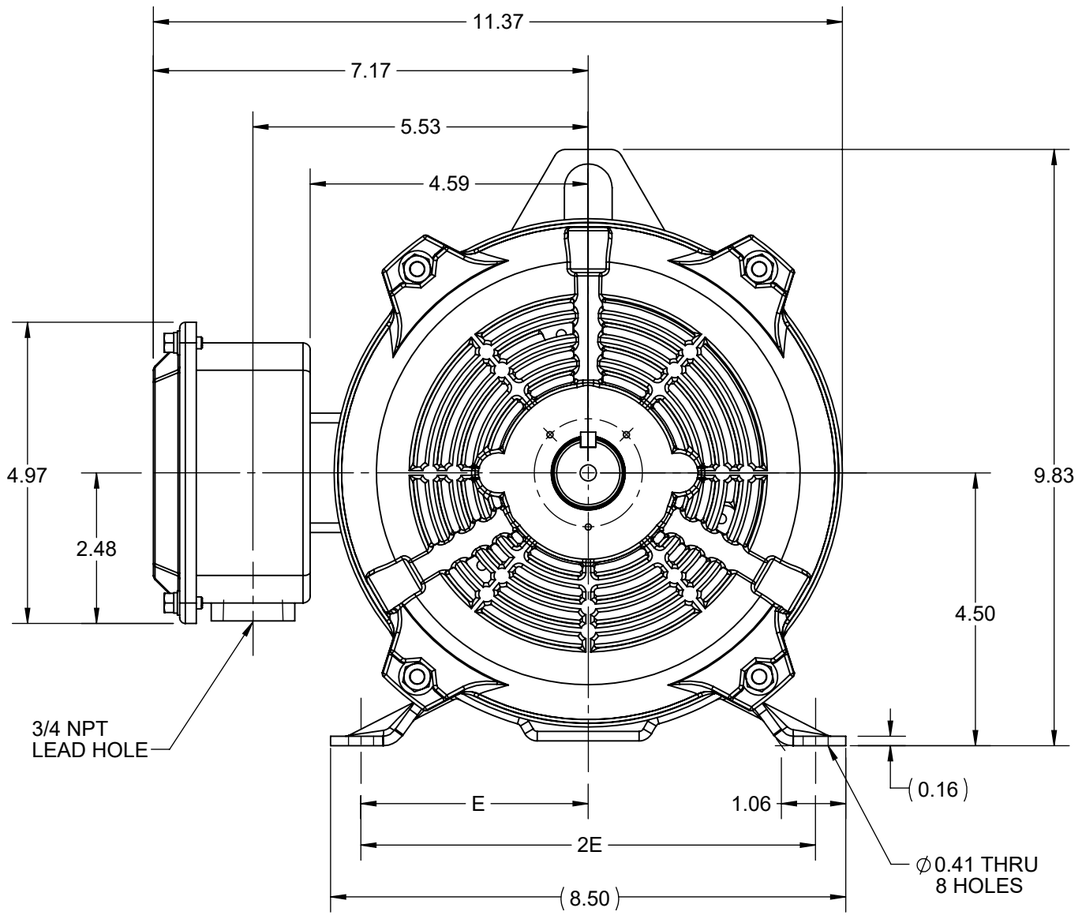
Drawings

Connection Drawing	**EE7358**	Outline Drawing	**SS600198-200**

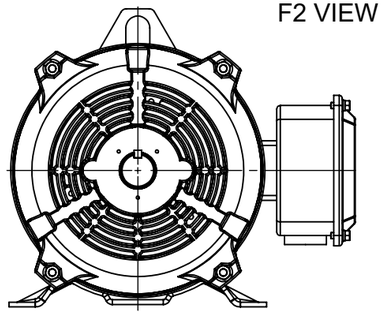
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DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	6.50	12.25	3.75	7.50	4.50	5.50	2.75	4.15	F1 OR F2	182T
200		13.25						5.15		184T





F2 VIEW



DRAWING REVISION	REVISION BY	REV DATE/© DATE
G	SB	08/11/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023556	SBD	08/11/2025

REQUEST NUMBER DESCRIPTION
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DATE	12/03/2018
APPROVED BY	SBD
DATE	12/03/2018
REFERENCE	
THIRD ANGLE PROJECTION	

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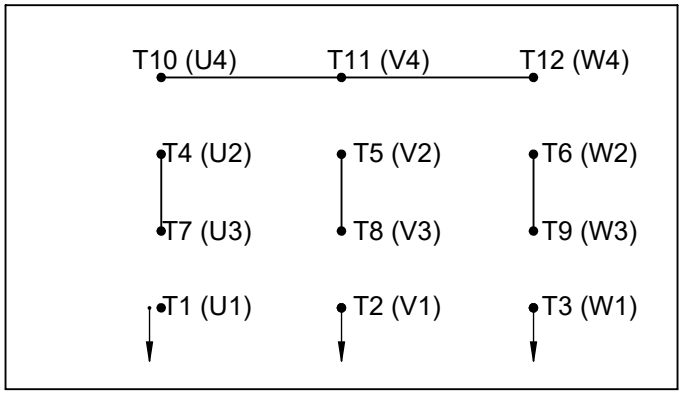
DESCRIPTION
OUTLINE
182/184T FR -NEMA-ODP RS

MATERIAL	PROCESS/FINISH

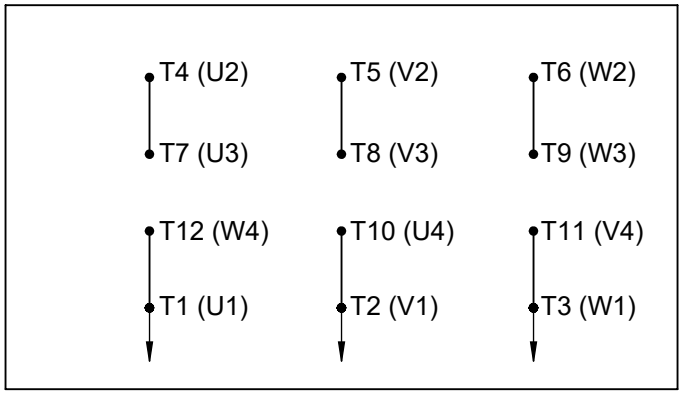
SIZE	DRAWING NUMBER	SHEET
B	SS600198	1 OF 1

HIGH VOLTAGE

WYE START

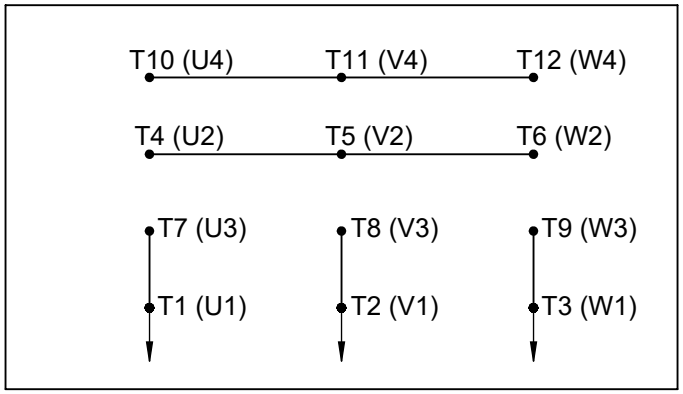


DELTA RUN

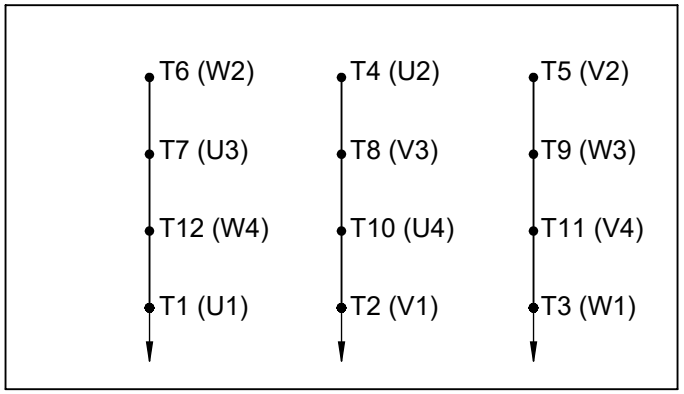


LOW VOLTAGE

WYE START



DELTA RUN



4/2 CKTY △

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

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DRAWN BY	BLR
DATE	03-09-1998
APPROVED BY	GK
DATE	03-23-1998
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
CONN DIAGRAM-EXTERNAL
12 LEAD - DUAL VOLT. - WYE START - DELTA RUN

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7358	1 OF 1

P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

marathon® Motors

DATA VOLTS: 400

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7358
OUTLINE: SS600198-200
WINDING: HA31124039 NONE 2
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 184TTDBD8026
CAT #: H954A
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
5	3.7	1500	1450	184T	DP	TDB	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	50	200/400	14.3/7.1	PWS (LV ONLY) & YDRUN	CONT	F	1.15	40	3300

F.L. EFF	82.5	3/4 LD EFF	84.2	1/2 LD EFF	84.2	GTD EFF	ELECT. TYPE
F.L. PF	87.2	3/4 LD PF	84.2	1/2 LD PF	75.8	82.0	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)	
18.0 LB-FT	49.4	42.0 LB-FT 233%	46.0 LB-FT 256%	60	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX.	MOTOR WGT
0 dBA	9 dBA	0.389 LB-FT²	0 LB-FT²	0 SEC.	0	0	LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	YES	NONE	BLUE (ENAMEL)

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6206	6203						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
1.981163435	1.154570637	3.895844875	4.655955679	106.9052632	0.150	ODE

*
NOTES
*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE PPR

BRAKE: NONE
NONE NONE
FT-LB: NA
VOLTAGE: NONE HZ:

PREPARED BY: CHANDANA DESU
DATE: 6/20/2022

FORM: 3531 REV_4 2/27/06

UL: V - LI,ME-INS,CONST UL REC