marathon®

General Purpose Motors

Model No: 184TBFW7701
Catalog No: I223A

General Purpose Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 3600 RPM, 184T Frame, TEFC

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Product Information Packet: Model No: 184TBFW7701, Catalog No: I223A General Purpose Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 3600 RPM, 184T Frame, TEFC

Nameplate Specifications

Phase	**1**	Output HP	**5 Hp**
Output KW	**3.7 kW**	Voltage	**208-230 V**
Speed	**3530 r/min**	Synchronous RPM	**3600 r/min**
Service Factor	**1.00**	Frame	**184T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**82.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**22.5-19.8 A**
Power Factor	**98**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**L**
KVA Code	**H**	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

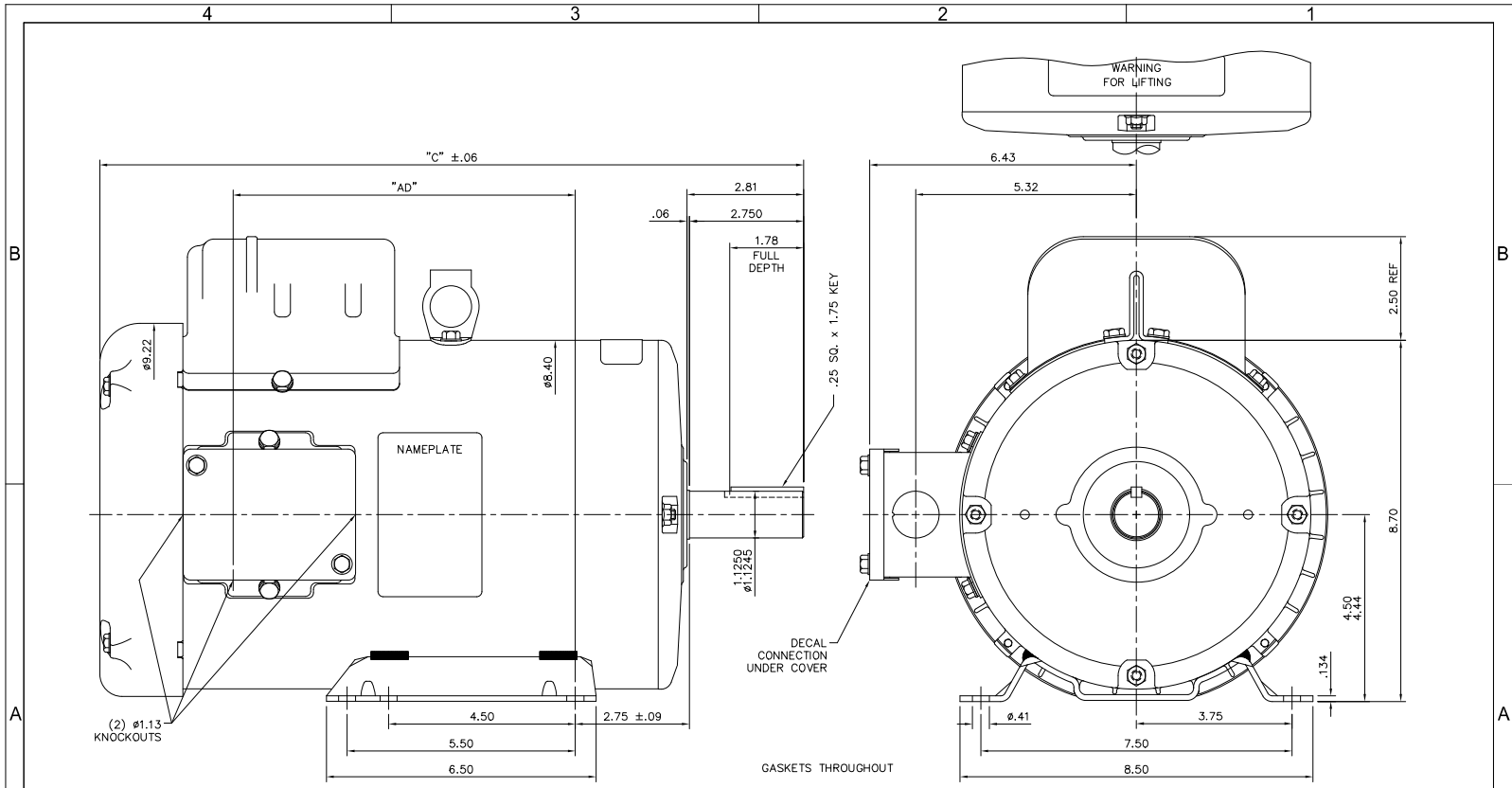
Electrical Type	**Capacitor Start Capacitor Run**	Starting Method	**Across The Line**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.342 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**16.46 in**
Frame Length	**11.5 in**	Shaft Diameter	**1 1/8 in**
Shaft Extension	**2.81 in**	Assembly/Box Mounting	**F1 Only**

Drawings

Connection Drawing	**005018.01ME**	Outline Drawing	**035564-1150**

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DASH NO.	"C"	"AD"
850	13.96	5.25
900	14.46	5.75
950	14.96	6.25
1000	15.46	6.75
1050	15.96	7.25
1150	16.46	7.75
1150	16.96	8.25
1200	17.46	8.75

DRAWING REVISION: D	REVISION BY: SB	REV DATE/ ® DATE: 07/28/2025
REQUEST NUMBER: CR-0023600	APPROVED BY: SBD	DATE: 07/28/2025

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	KVN
DATE	09/10/2007
APPROVED BY	RDW
DATE	
REFERENCE	0354900D
THIRD ANGLE PROJECTION	

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DESCRIPTION: OUTLINE
180T FRAME - TEFC - RIGID

MATERIAL | PROCESS/FINISH

SIZE: B | DRAWING NUMBER: 035564 | SHEET: 1 OF 1

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CERTIFICATION DATA SHEET

Model#:	184TBFW7701 AA	**WINDING#:**	K8225 R1 2
CONN. DIAGRAM:	005018.01ME	**ASSEMBLY:**	F1 ONLY
OUTLINE:	035564-1150		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.7	3600	3530	184T	TEFC	H	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	208-230	22.5-19.8	ACROSS THE LINE	CONTINUOUS	F4	1.0	40	3300

FULL LOAD EFF: 82.5	3/4 LOAD EFF: 82.2	1/2 LOAD EFF: 77.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 98	3/4 LOAD PF: 98.1	1/2 LOAD PF: 97.4	-	CAP START CAP RUN	2.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.45 LB-FT	153	16.2 LB-FT 217	19.4 LB-FT 260	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0.485 LB-FT^2	0.5 LB-FT^2	- SEC.	-	0 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	AISI 1045 (C-240)	ROLLED STEEL

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: NONE
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

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NOTES
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