

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 184TTDW7230

Catalog No: Y468A

Multispeed Motor, 3 & 0.75 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 & 1800 RPM, 184T Frame, DP



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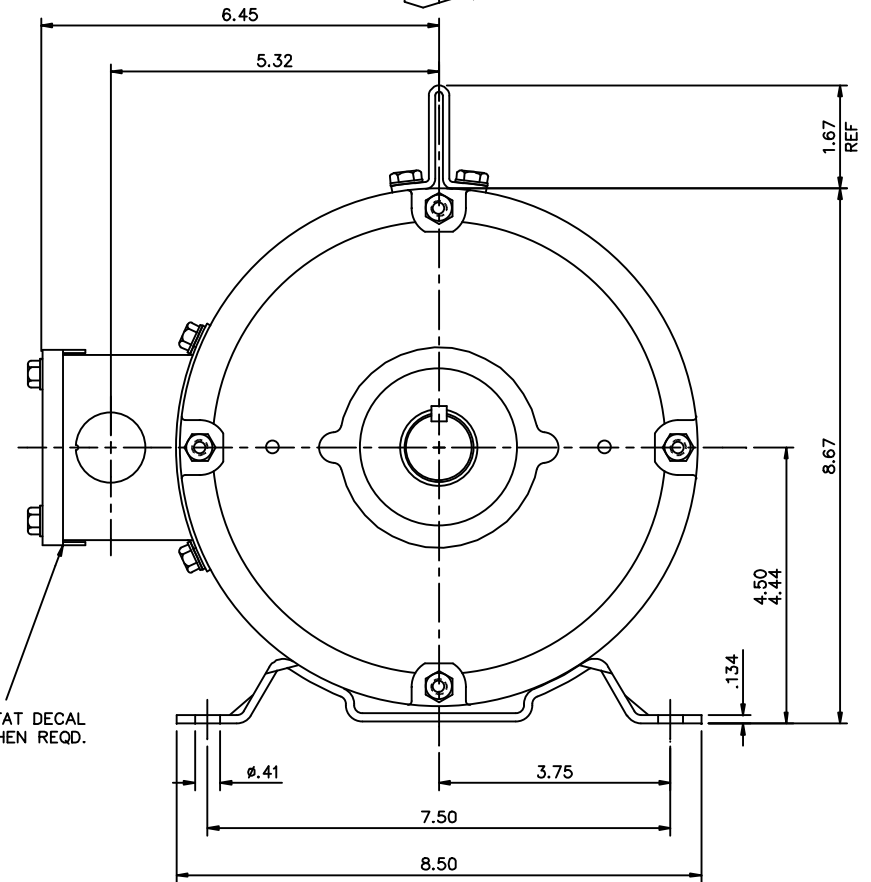
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	3 & 0.75 Hp
Output KW	2.2 & 0.56 kW	Voltage	460 & 460 V
Speed	1765 & 885 rpm	Service Factor	1.15 & 1.15
Frame	184T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	82.5 & 59.3 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	4 & 2.75 A	Power Factor	83.4
Duty	Continuous	Insulation Class	F
Design Code	2VT	KVA Code	J
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	2		

Technical Specifications

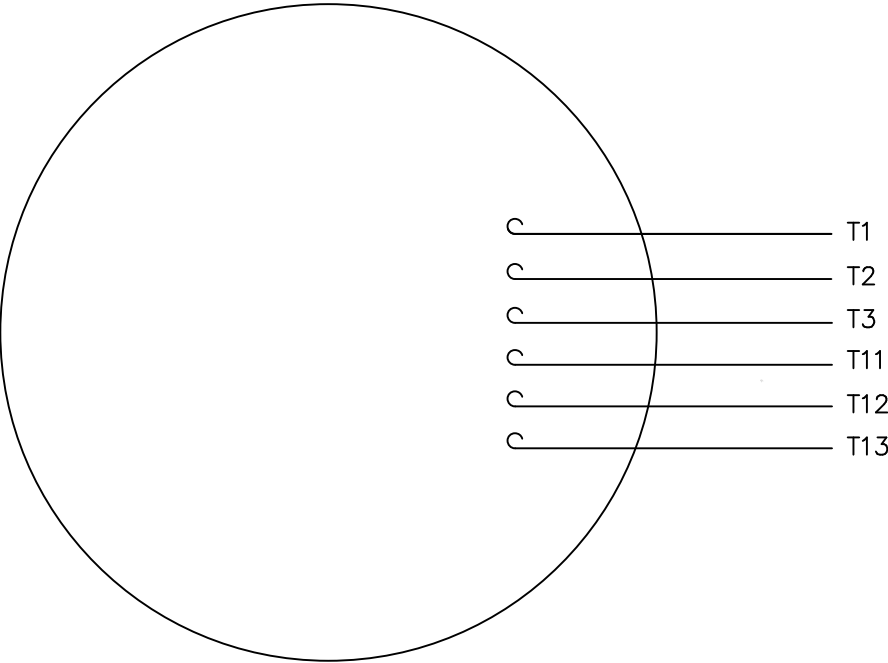
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4//8	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	13.19 in
Frame Length	9.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.81 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005046.01ME	Outline Drawing	035539-1000



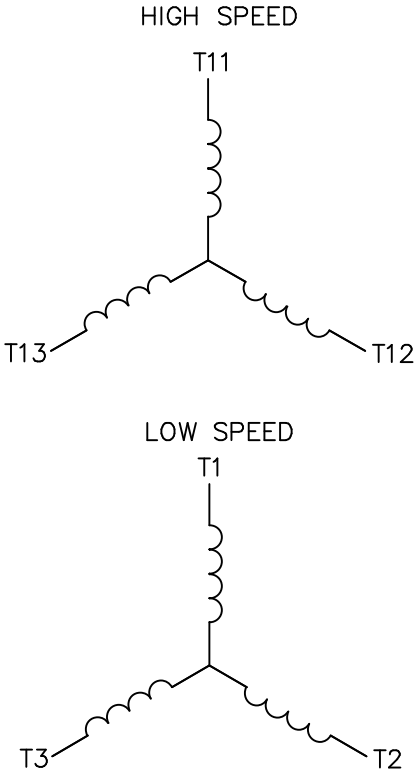
DASH NO.	"C"	"AD"
850	12.69	5.25
900	13.19	5.75
950	13.69	6.25
1000	14.19	6.75
1050	14.69	7.25
1100	15.19	7.75
1150	15.69	8.25

						TOLERANCES UNLESS SPECIFIED		DRAWN	YS 07/23/07			
					DEC.	INCHES		CHK				
					.X	±.1		APPD				
					.XX	±.03		SCALE	1=2			
02	SHOWN "NOT FOR USE IN USA" DECAL LOCATION			JD 05/07/12	.XXX	±.005	TITLE		OUTLINE – 180T FRAME DRIP PROOF – RIGID			
01	CHANGED TO NEW CONDUIT BOX 022737			YS 03/19/08	.XXXX	±.0005	MAT'L	GENERAL PURPOSE	REF 035464			
NO.	REVISION			BY & DATE	CHK	ANG	±1/2"	FINISH	FIMF			
								PREV				
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK. ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED. THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT							RFP	CAD FILE	035539	SIZE B	DRAWING NO. 035539	REV. 02

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



	L1	L2	L3
HIGH SPEED	T11	T12	T13
LOW SPEED	T1	T2	T3

				TOLERANCES UNLESS SPECIFIED		 MARATHON ELECTRIC	DRAWN SW 06/19/02					
				DEC.	INCHES		CHK MN 06/19/02					
				.X	±.1		APPD					
				.XX	±.01		TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR			SCALE 1=1		
				.XXX	±.005					REF		
				.XXXX	±.0005	MAT'L. DECAL – 004040 – 2 WDG./2 SPEED 1Y–1Y			FMF			
NO.	REVISION		BY & DATE	CHK	ANG	±1/2"	FINISH MARATHON			PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT				RFP		CAD FILE 00504601ME			SIZE	DRAWING NO.		REV.
				DIST					A	005046–01ME		

CERTIFICATION DATA SHEET

Model#: 184TTDW7230 AA
 CONN. DIAGRAM: 005046.01ME
 OUTLINE: 035539-900

WINDING#: T8(4-8)22 NONE 2
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3&3/4	2.24&.56	900	1765&885	184T	DP	J	2VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	460	4&2.75	ACROSS THE LINE	CONTINUOUS	F4	1.15/1.15	40	3300

FULL LOAD EFF: 82.5&59.3	3/4 LOAD EFF: 54.1	1/2 LOAD EFF: 45.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83.4&43.1	3/4 LOAD PF: 36.9	1/2 LOAD PF: 30.1	0	SQ CAGE IND RUN	-

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
71.4 LB-FT	-	- LB-FT -	- LB-FT -	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	10 SEC.	0	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	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6206	6205						

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

* N O T E S *	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

DATE: 06/28/2017 06:48:03 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.



MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

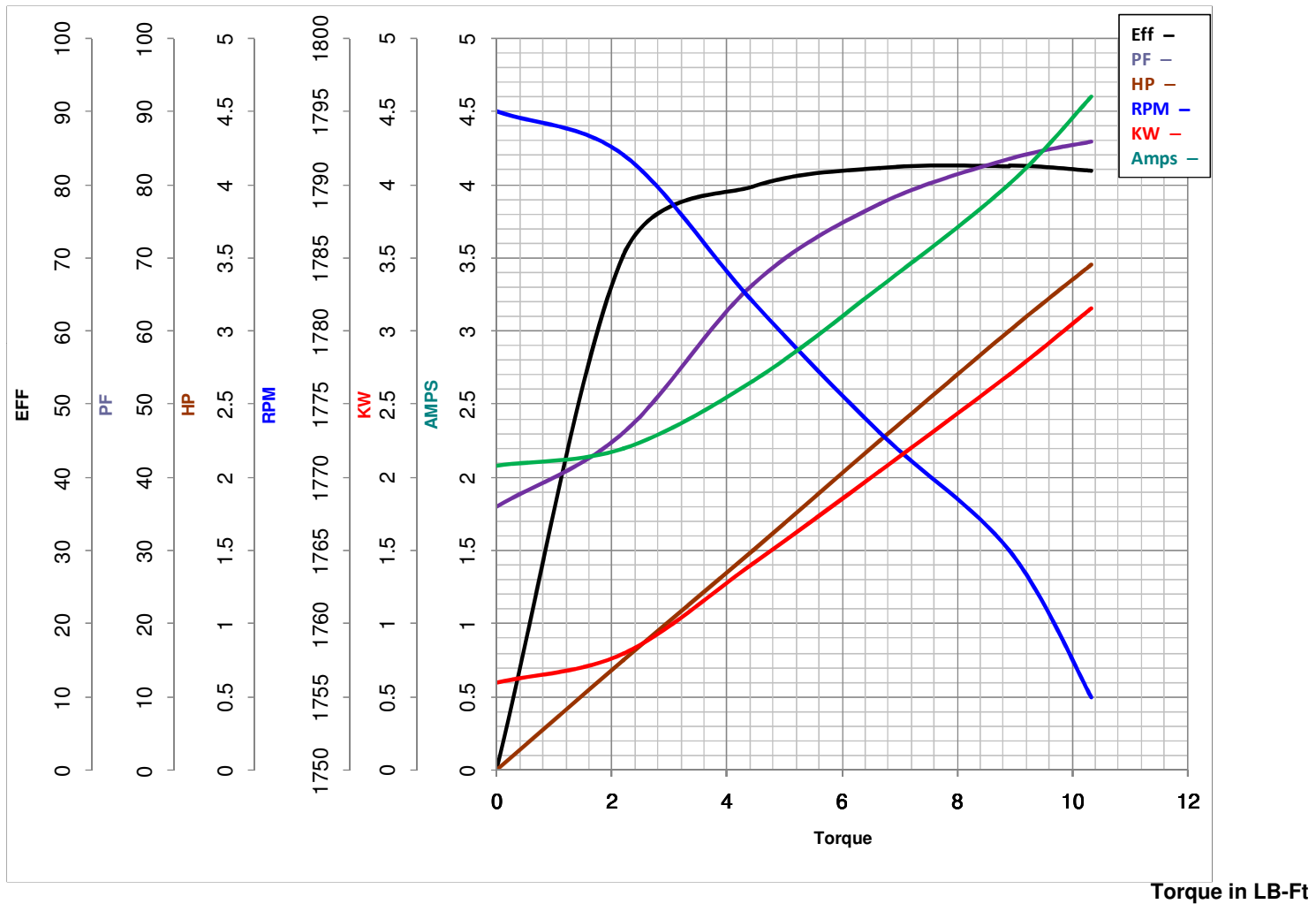
460

Volts

HP 3&0.75PHASE 3Model No 184TTDW723060

HZ

HP

VOLTS 460&460Catalog No Y468AHZ 60&60RPM 1765&885

FL TORQUE 8.9 LB-Ft
 BD TORQUE 28.9 LB-Ft
 LR TORQUE 19.44 LB-Ft

FL AMPS 4
 PU TORQUE 17.5 LB-Ft
 LR AMPS 30.27

WINDING T8(4-8)22-

Date 3/7/2019