

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTDW7412

Catalog No: Y1484

Multispeed Motor, 3 & 0.75 HP, 3 Ph, 60 & 60 Hz, 200-230 & 200-230 V, 1800 & 1800 RPM, 182T Frame,
DP



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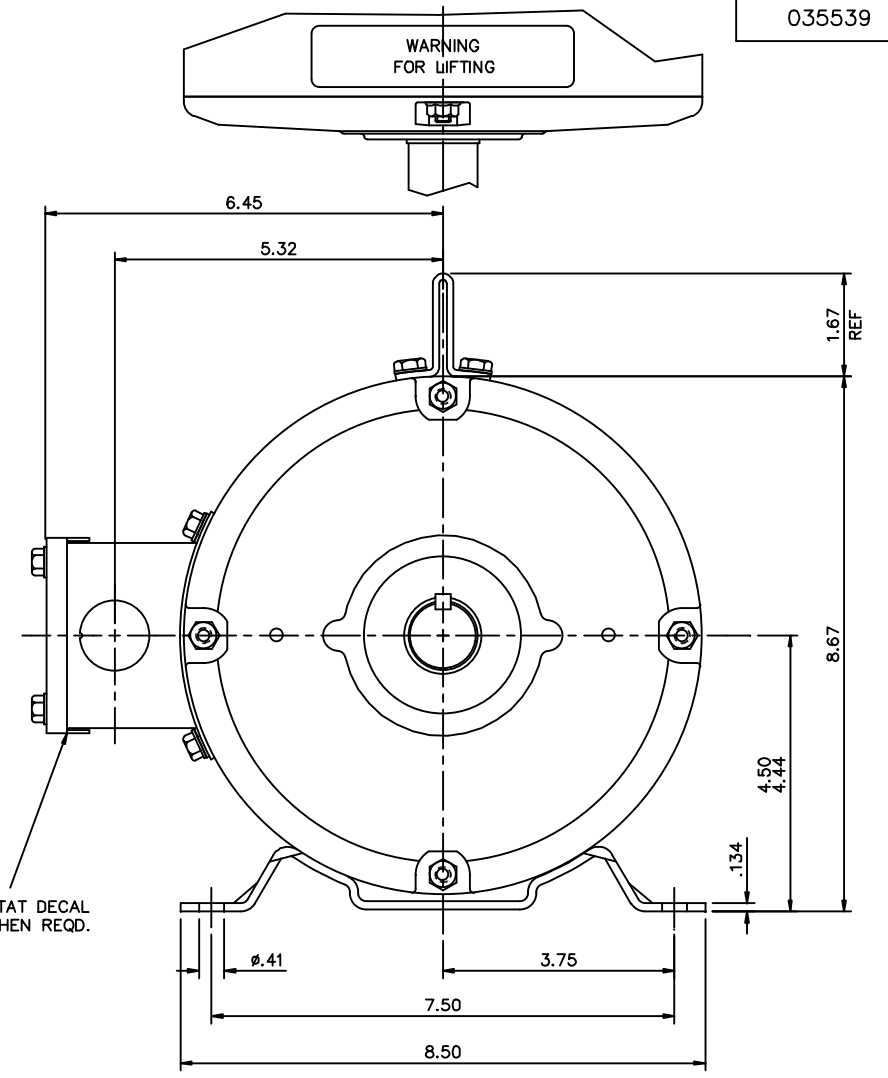
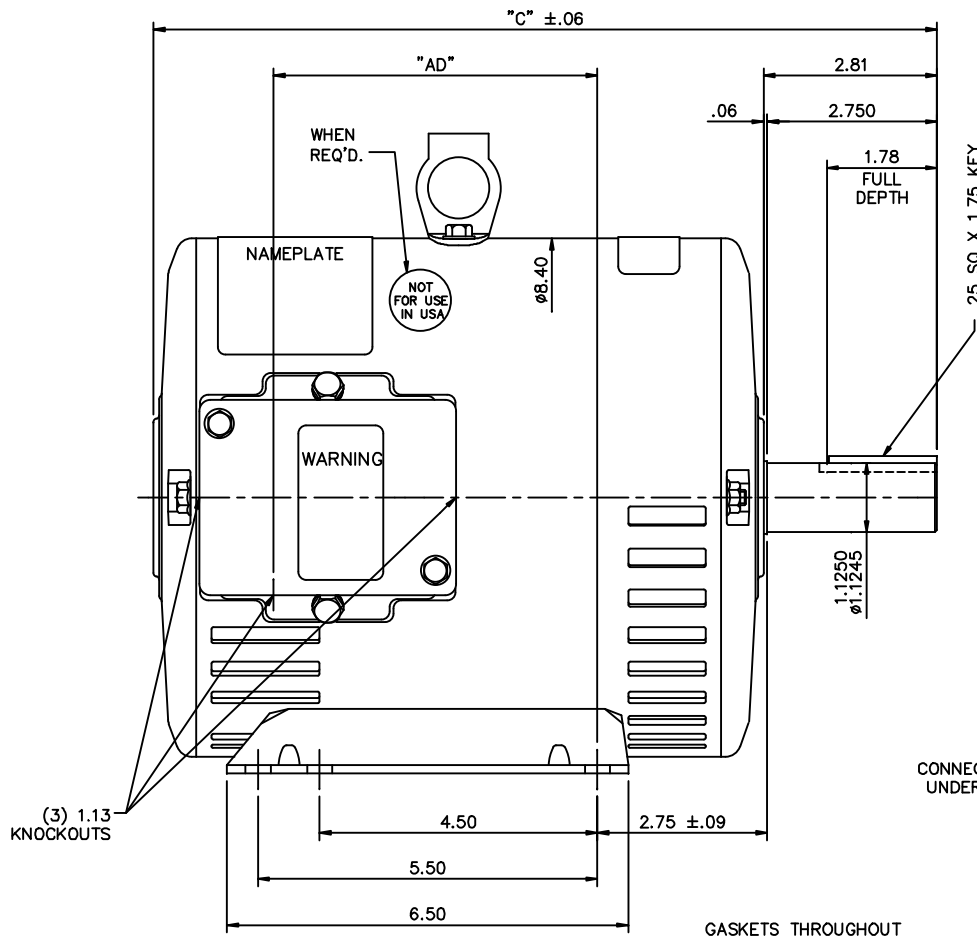
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Nameplate Specifications

Phase	3	Output HP	3 & 0.75 Hp
Output KW	2.2 & 0.56 kW	Voltage	200-230 & 200-230 V
Speed	1760 & 875 rpm	Service Factor	1.15 & 1.15
Frame	182T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	84.5 & 74 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	9-8.2 & 3.5-3.6 A	Power Factor	80.9
Duty	Continuous	Insulation Class	F
Design Code	1VT	KVA Code	L
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	005200.01ME	Outline Drawing	035539-900

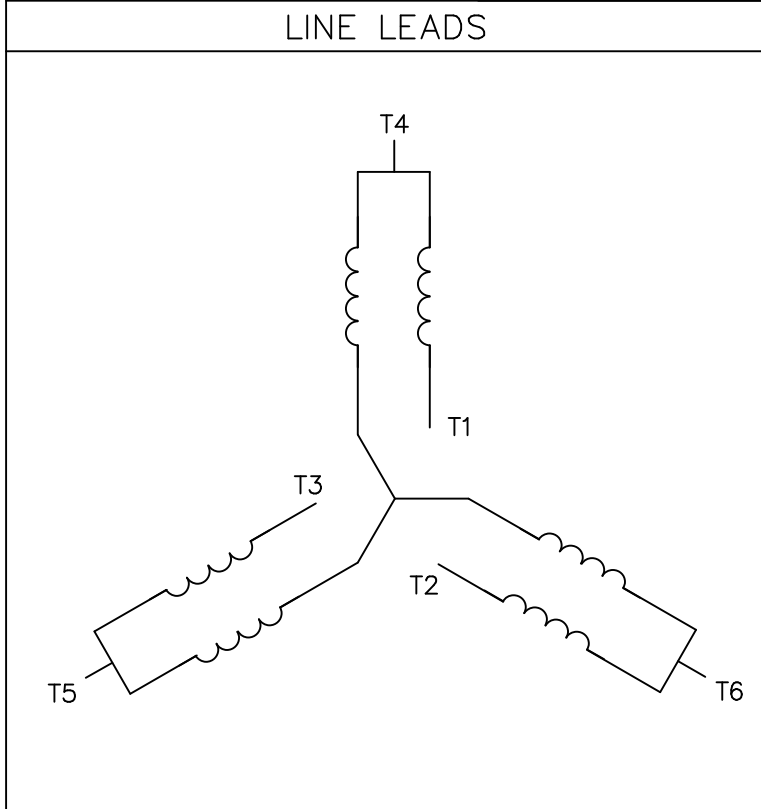
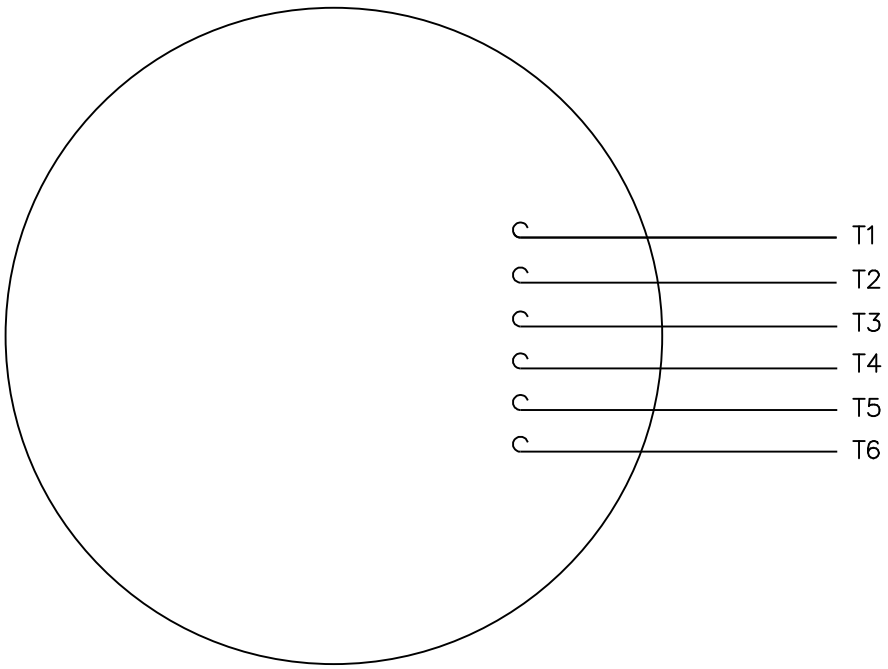


GASKETS THROUGHOUT

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		MARATHON ELECTRIC		DRAWN YS 07/23/07	
				DEC.	INCHES			CHK	
				.X	±.1			APPD	
				.XX	±.03	TITLE		SCALE	1-2
02	SHOWN "NOT FOR USE IN USA" DECAL LOCATION	JD	05/07/12	.XXX	±.005	OUTLINE - 180T FRAME DRIP PROOF - RIGID		REF	035464
01	CHANGED TO NEW CONDUIT BOX 022737	YS	03/19/08	.XXXX	±.0005	MAT'L		FMF	
NO. REVISION				CHK	ANG	FINISH		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	DRAWING NO.
				DIST				B	035539
									REV. 02

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



SPEED	L1	L2	L3	JOIN	SEPARATE
HIGH	T6	T4	T5	(T1,T2,T3)	
LOW	T1	T2	T3		(T4)(T5)(T6)

		TOLERANCES UNLESS SPECIFIED			
		DEC.	INCHES		
		.X	±.1		
		.XX	±.01		
		.XXX	±.005		
		.XXXX	±.0005		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°



TITLE	EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR
MAT'L.	DECAL - 004183/080066
FINISH	

DRAWN	MGM 12/2/02
CHK	
APPD	
SCALE	1=1
REF	080066
FMF	83648D1
PREV	

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		DIST			A	005200-01ME	

CERTIFICATION DATA SHEET

Model#: 182TTDW7412 AA **WINDING#:** T8(4-8)19 NONE 1
CONN. DIAGRAM: 005200.01ME **ASSEMBLY:** F1 ONLY
OUTLINE: 035539-900

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3&3/4	2.24&.56	900	1760&875	182T	DP	L	1VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	200-230	9-8.2&3.5-3.6	ACROSS THE LINE	CONTINUOUS	F4	1.15/1.15	40	3300

FULL LOAD EFF: 84.5&74	3/4 LOAD EFF: 72	1/2 LOAD EFF: 66.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 80.9&52.5	3/4 LOAD PF: 45.5	1/2 LOAD PF: 35.5	0	SQ CAGE IND RUN	2.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.51 LB-FT	15.3	9.15 LB-FT 203	13.3 LB-FT 295	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.32 LB-FT^2	0 LB-FT^2	10 SEC.	0	70 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

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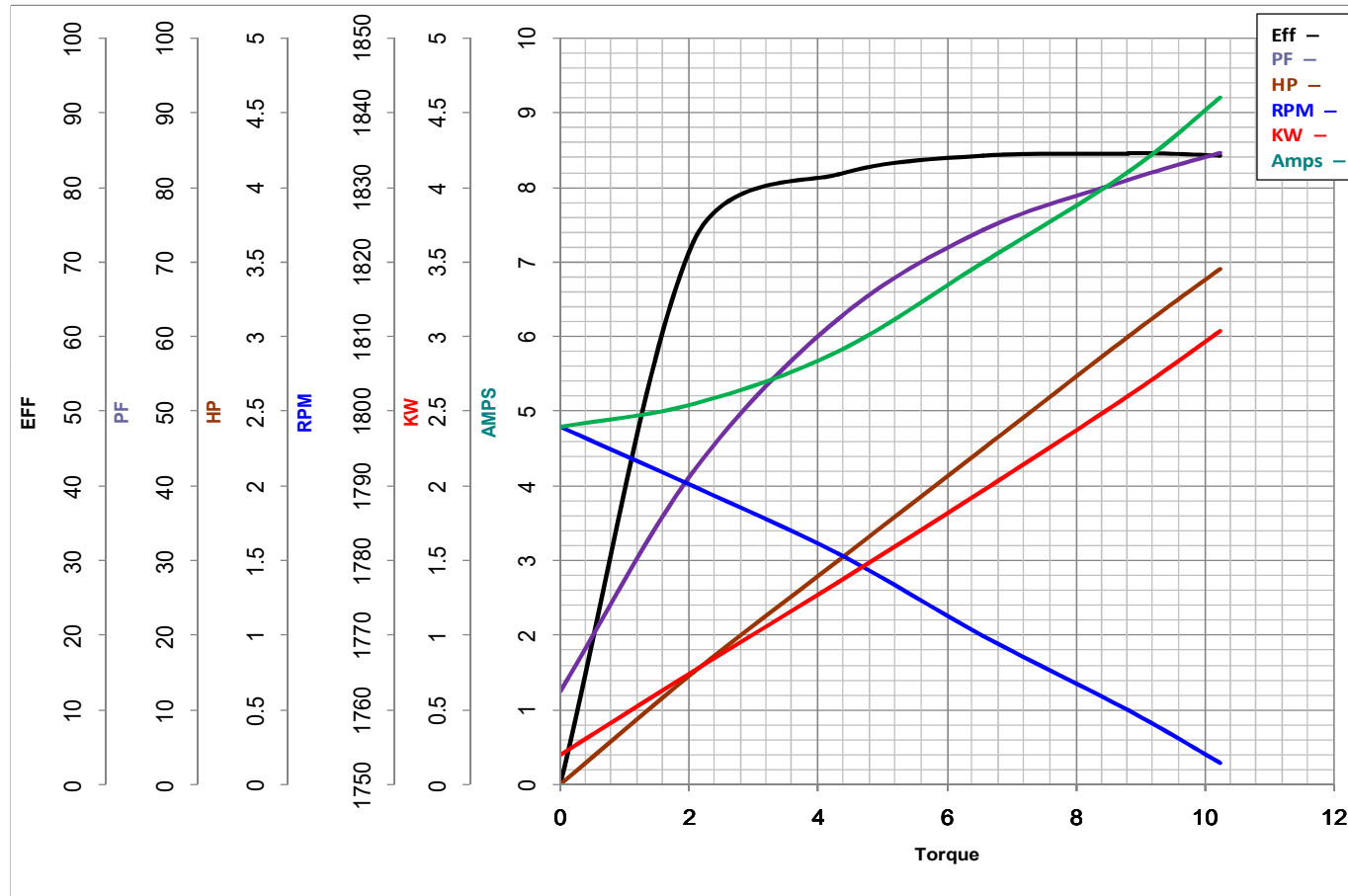
INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

DATE: 06/27/2017 01:58:39 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 230 Volts HP 3&43528 PHASE 3
60 HZ
3 HP VOLTS 200-230&200-230
 Catalog No Y1484 HZ 60&60 RPM 1760&875



				Torque in `LB-FT	
FL TORQUE	<u>8.82</u>	`LB-FT	FL AMPS	<u>9-8.2</u>	
BD TORQUE	<u>36.3</u>	`LB-FT	PU TORQUE	<u>22.0</u>	`LB-FT
LR TORQUE	<u>24.6</u>	`LB-FT	LR AMPS	<u>73.8</u>	
WINDING	T8(4-8)19-1		Date	1/9/2019	

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 182TTDW7412

(Model No. may contain prefix and/or suffix characters)

Catalog No : Y1484

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22