PRODUCT INFORMATION PACKET

Model No: 182TTDW7101
Catalog No: H182A
XRI® General Purpose General Purpose Motor, 1 HP, 3 Ph, 60 Hz, 230/460 V, 900 RPM, 182T Frame, DP

marathon® Motors

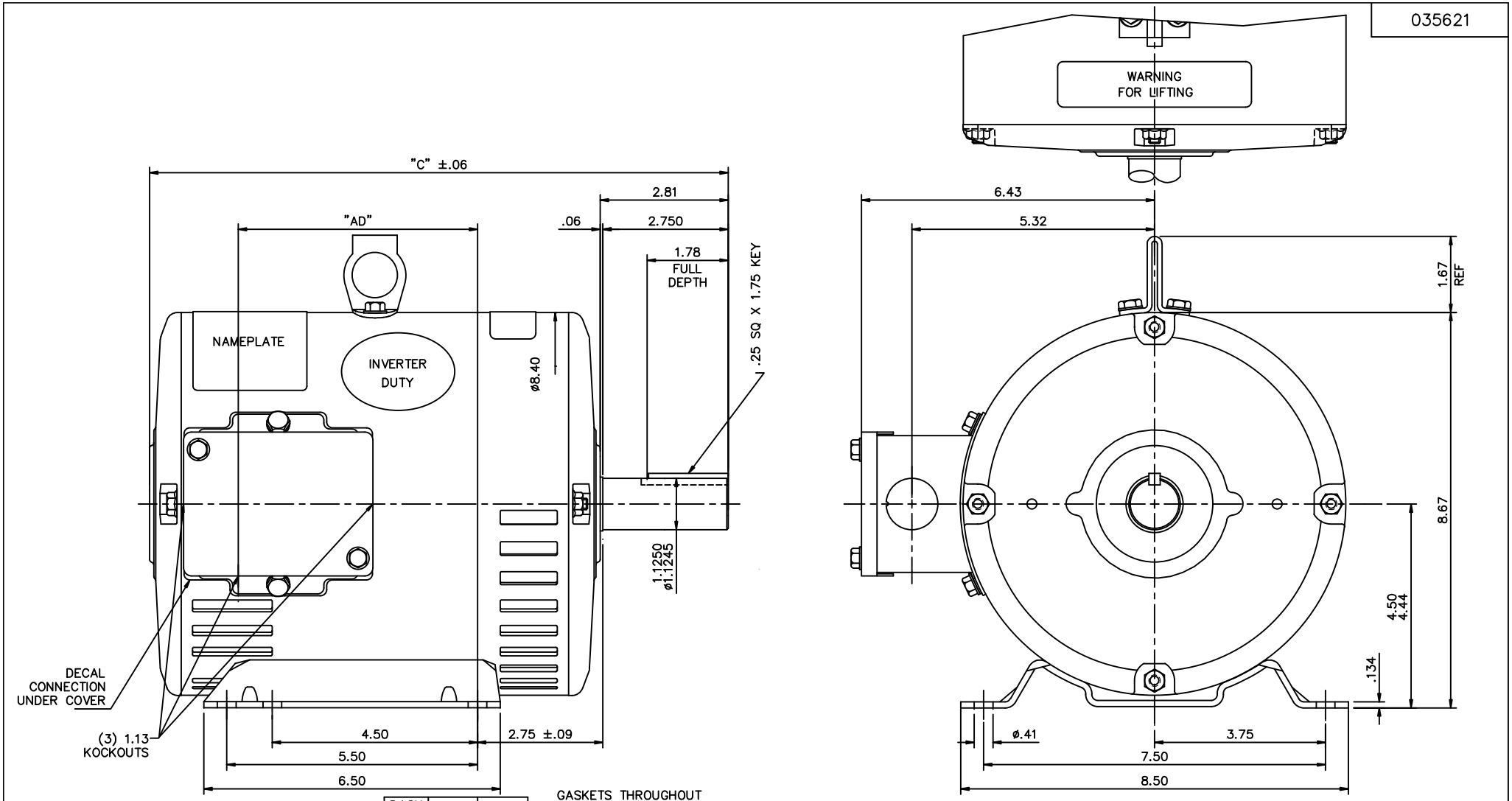
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.0/2.0 A	Speed	855 rpm
Service Factor	1.15	Phase	3
Efficiency	75.5 %	Power Factor	60.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	182T	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	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	12.19 in
Frame Length	8.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.81 in	Assembly/Box Mounting	F1 Only
Connection Drawing	005010.01ME	Outline Drawing	035621-800

035621



DASH NO.	"C"	"AD"
800	12.19	4.75
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
1200	16.19	8.75

GASKETS THROUGHOUT

NO.	REVISION	BY & DATE	CHK
01	UPDATED FOR NEW CONDUIT BOX (022737)	YS 03/24/08	ANG

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

MARATHON ELECTRIC

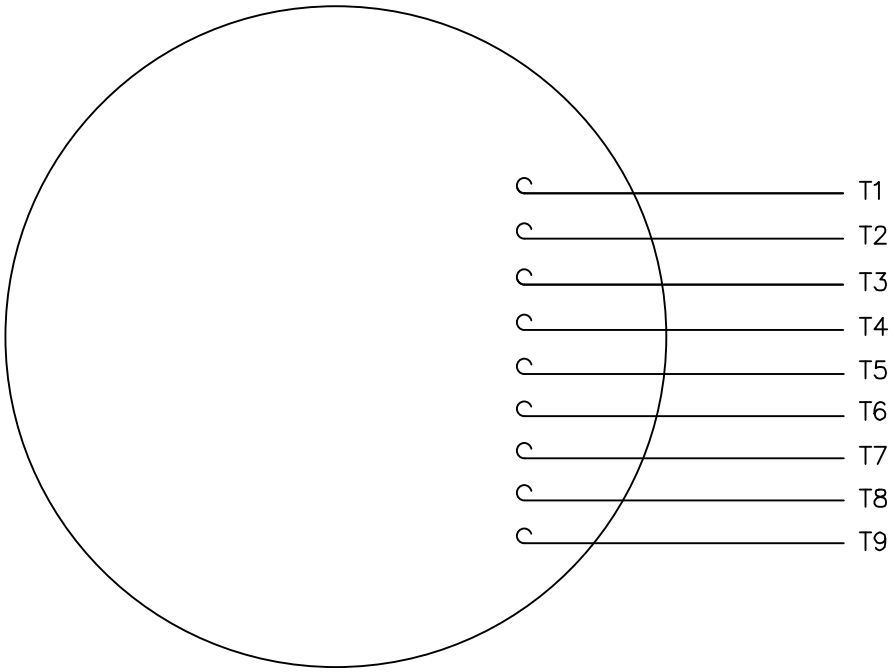
DRAWN VV 01/28/08
CHK
APPD
SCALE 1=2
REF 035534
FMF 184TTDW7627
PREV

TITLE OUTLINE – 180T FRAME
DRIP PROOF – RIGID

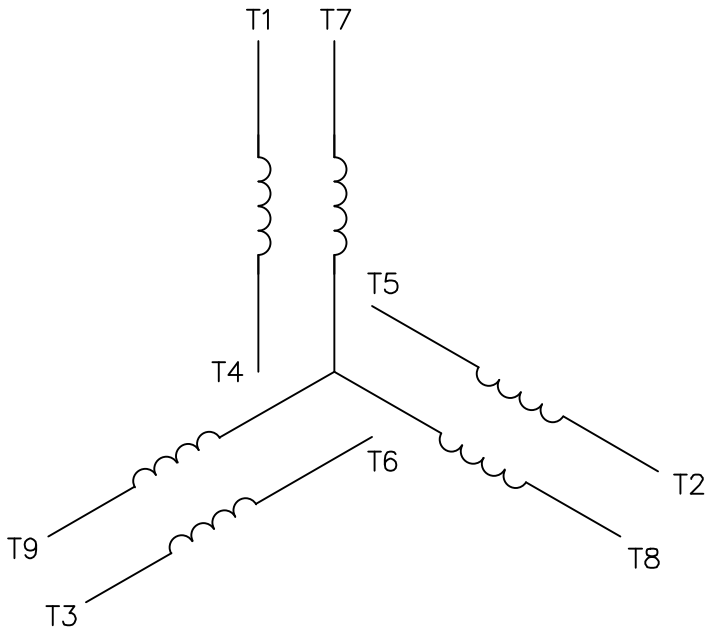
MAT'L.
FINISH
CAD FILE 035621
RFP
DIST NLV

SIZE B | DRAWING NO. 035621 | REV. 01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

MARATHON ELECTRIC

TITLE: EXTERNAL WIRING DIAGRAM
3 PHASE W/O PROTECTOR

MAT'L. DECAL – 004014

FINISH

DRAWN RDW 04/12/02
CHK
APPD
SCALE 1=1
REF FIG.2–51
FMF
PREV

RFP 04/12/02
DIST

CAD FILE 00501001ME

SIZE	DRAWING NO.	REV.
A	005010–01ME	

CERTIFICATION DATA SHEET

Model#:	182TTDW7101 AA	**WINDING#:**	T889 R1 3
CONN. DIAGRAM:	005010.01ME	**ASSEMBLY:**	F1 ONLY
OUTLINE:	035621-800		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	.75	900	855	182T	DP	H	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	4/2	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 75.5	3/4 LOAD EFF: 74.5	1/2 LOAD EFF: 71.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 60.5	3/4 LOAD PF: 52.8	1/2 LOAD PF: 41	0	SQ CAGE IND RUN	2.8 / 1.4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6.15 LB-FT	15.6 / 7.8	9.5 LB-FT 154	14.7 LB-FT 239	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	0.255 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 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

*
NOTES
*

DATE: 06/27/2017 01:54:04 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

MARATHON ELECTRIC CORPORATION

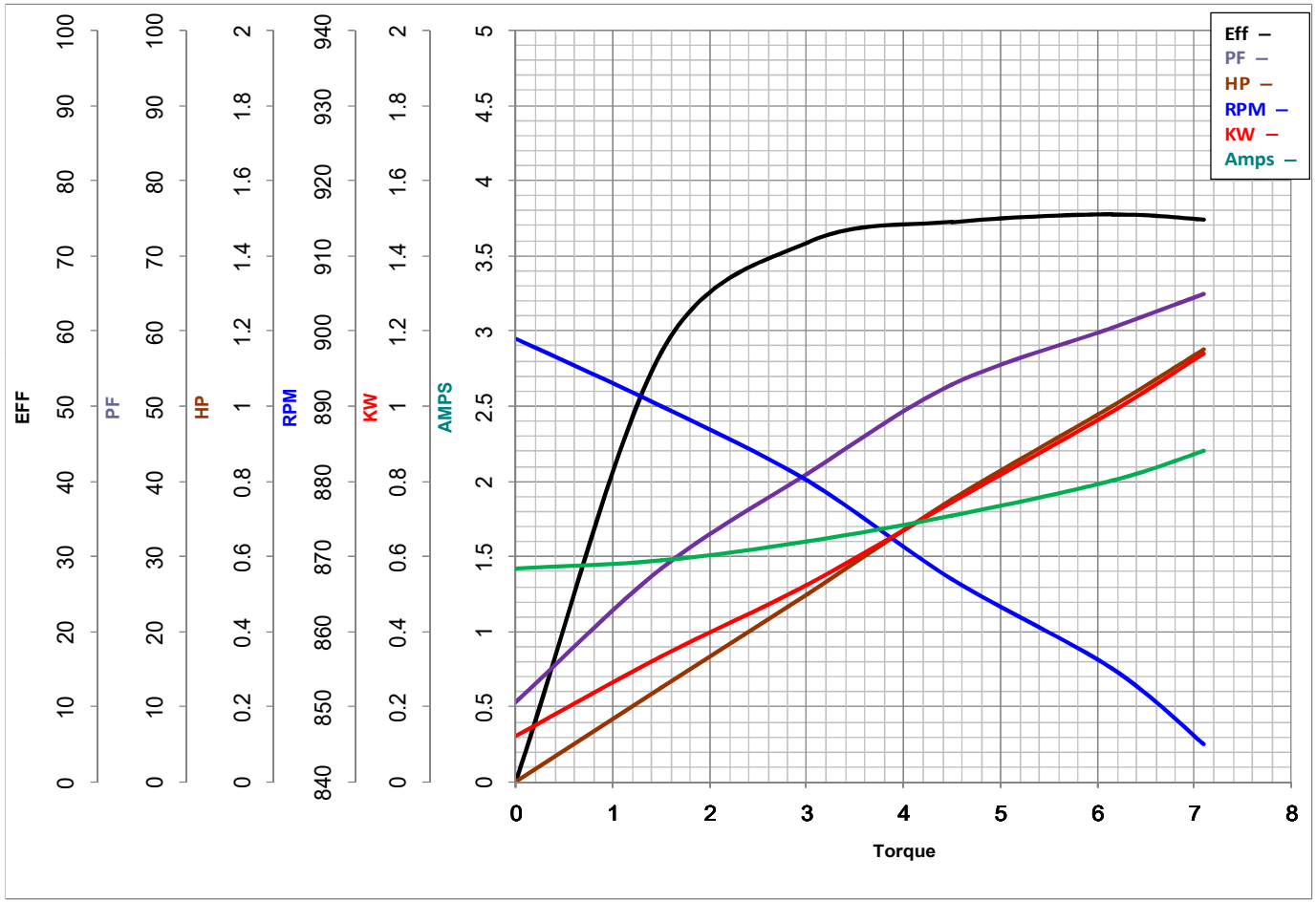
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Model No 182TTDW7101

Catalog No H182A

Curve at	460	**Volts**	**HP**	1.00	**PHASE**	3
	60	**HZ**				
	1	**HP**	**VOLTS**	230/460		
			HZ	60	**RPM**	855



Torque in Lb.Ft

FL TORQUE	6.15	**Lb.Ft**	**FL AMPS**	4/2	
BD TORQUE	14.7	**Lb.Ft**	**PU TORQUE**	8.6	**Lb.Ft**
LR TORQUE	9.5	**Lb.Ft**	**LR AMPS**	7.8	
WINDING	T889-3			**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 : 182TTDW7101

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

Catalog No : H182A

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