

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 184TTDR9040

Catalog No: H954

50 Hz Motor, 5 HP, 3 Ph, 50 Hz, 190-200-208/380-400-415 V, 1500 RPM, 184T Frame, DP



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RegalRexnord

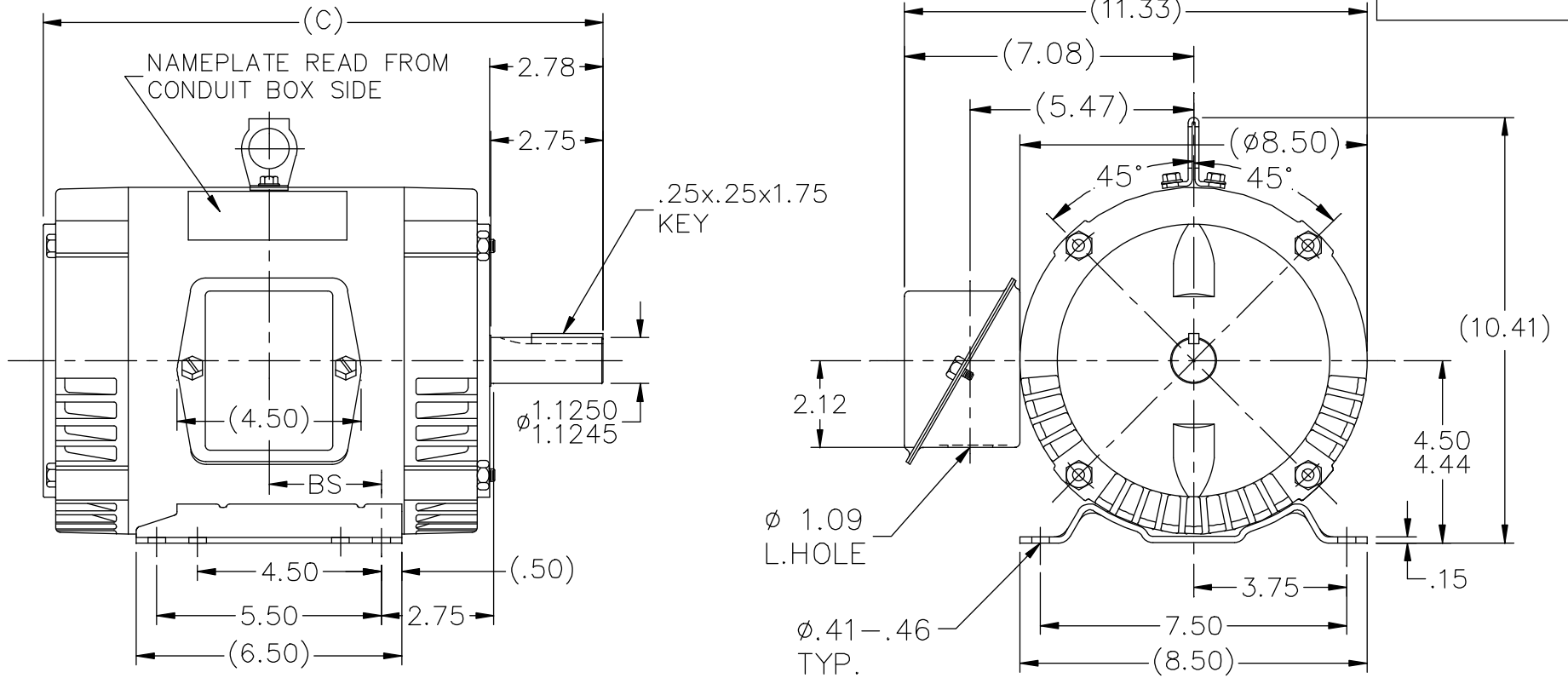
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	50 Hz	Voltage	190-200-208/380-400-415 V
Current	15.6-15.0-14.9/7.8- A	Speed	1450 rpm
Service Factor	1.15	Phase	3
Efficiency	82.5 %	Power Factor	87.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
Frame	184T	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
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

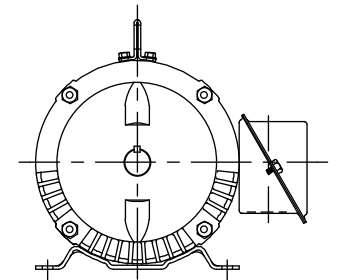
Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	2.39 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	14.72 in
Frame Length	7.75 in	Shaft Diameter	1.125 in
Shaft Extension	2.78 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	SS65625-775	Connection Drawing	EE7358

SS65625



BOX CAN BE ROTATED IN 90° STEPS.

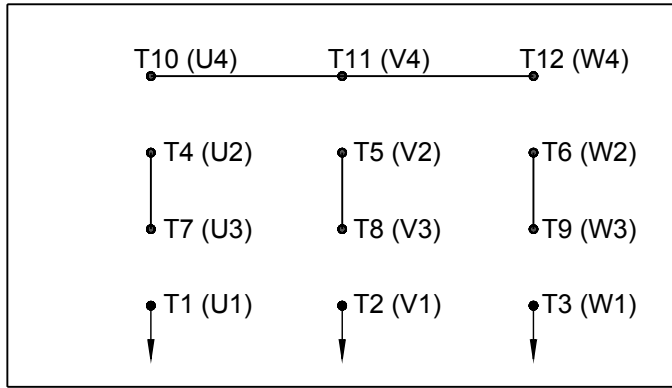
DASH	FR.	C	BS	MOUNTING	DASH	FR.	C	BS	MOUNTING
575	182T	12.72	2.25	F1 OR F2	775	182T	14.72	3.25	F1 ONLY
625	182T	13.22	2.50	F1 OR F2	775	184T	14.72	3.25	F1 ONLY
675	182T	13.72	2.75	F1 OR F2	825	184T	15.22	3.50	F1 ONLY
675	184T	13.72	2.75	F1 OR F2	875	184T	15.72	3.75	F1 ONLY
725	182T	14.22	3.00	F1 ONLY	925	184T	16.22	4.00	F1 ONLY
725	184T	14.22	3.00	F1 ONLY					



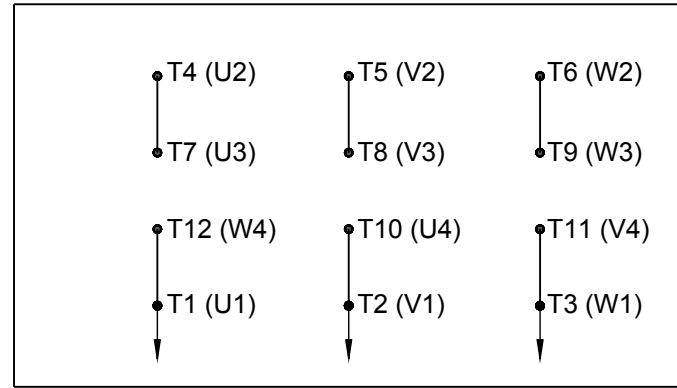
NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN ML 12-28-1987	
					DEC.	INCHES			CHK
14	UPDATED DRAWING	RJW 04-20-2007						CHK GK 12-28-1987	
13	REDRAWN IN AUTOCAD	TAT 06-29-2004	ML	.X	±.1			APPD FG 12-28-1987	
12	ADDED LIFT LUG	CN 34025 DRS 07-06-2001		.XX	±.03		TITLE OUTLINE	SCALE 1=4	
11	ADDED MOUNTING TYPE	CN 27451 DRS 02-17-2000		.XXX	±.005		180T FR. - BB - TS - DR. PR.	REF	
10	CORRECTED DASH 725 & 775	CN 21725-50 BLR 01-15-1996		.XXXX	±.0005		MAT'L.	FMF	
					±'30"		FINISH	PREV	
			RFP	CAD FILE ss65625			SIZE A	DRAWING NO. SS65625	PAGE OF 14
			DIST LB						REV. 14

HIGH VOLTAGE

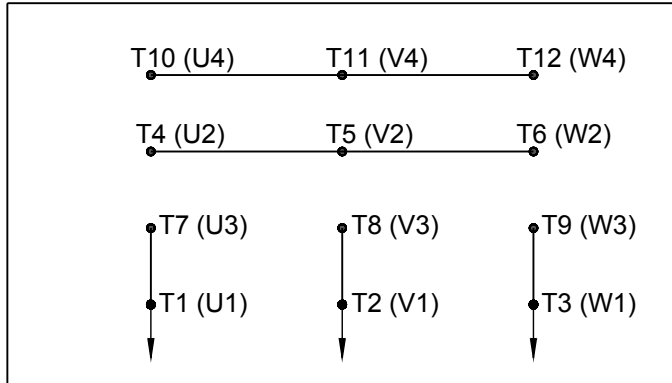
WYE START



DELTA RUN

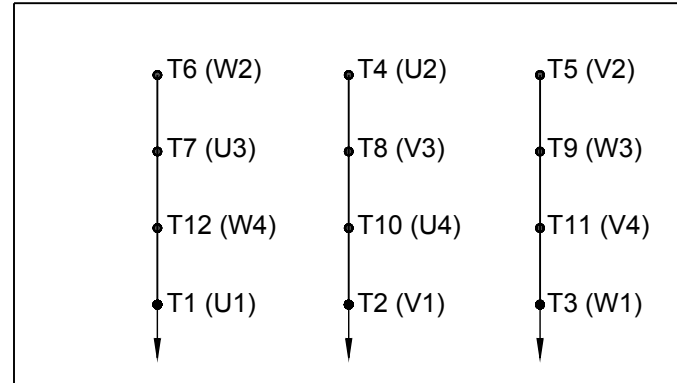


WYE START



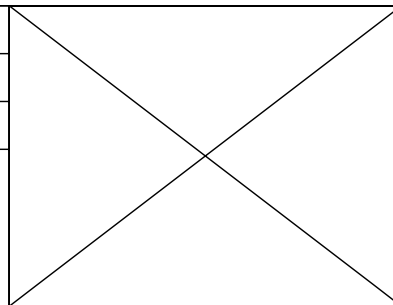
LOW VOLTAGE



DELTA RUN



4/2 CKTY \triangle

DRAWING REVISION D	REVISION BY JWO	DATE 01-26-2016
ECO ECO-0092547	APPROVED BY TB	DATE 01-26-2016
ECO DESCRIPTION ADDED IEC MARKINGS		



DRAWN BY BLR	 Regal Beloit America, Inc.		
DATE 03-09-1998			
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 12 LEAD - DUAL VOLT. - WYE START - DELTA RUN		
DATE 03-23-1998			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION 	SIZE A	DRAWING NUMBER EE7358	SHEET 1 OF 1

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Data Sheet

Date: 15-06-2017
Customer: _____
Attention: _____
Submitted by: FAREEDA DUDEKULA



184TTDR9040

Submittal

Data @ **415 V**

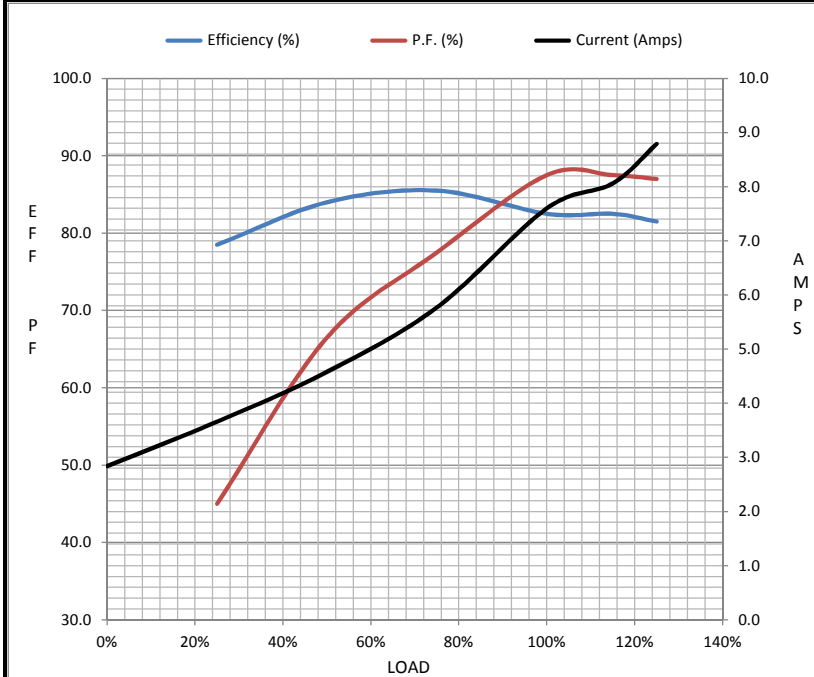
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.84	3.7	4.6	5.8	7.6	8.1	8.8	53.1
Torque (ft-lb)	0.00	4.4	8.9	13.5	18.0	21.0	23.0	53.0
RPM	1500	1490	1475	1460	1450	1,435	1430	0
Efficiency (%)		78.5	84.0	85.5	82.5	82.5	81.5	
P.F. (%)	9.5	45.0	66.5	77.5	87.5	87.5	87.0	68.0

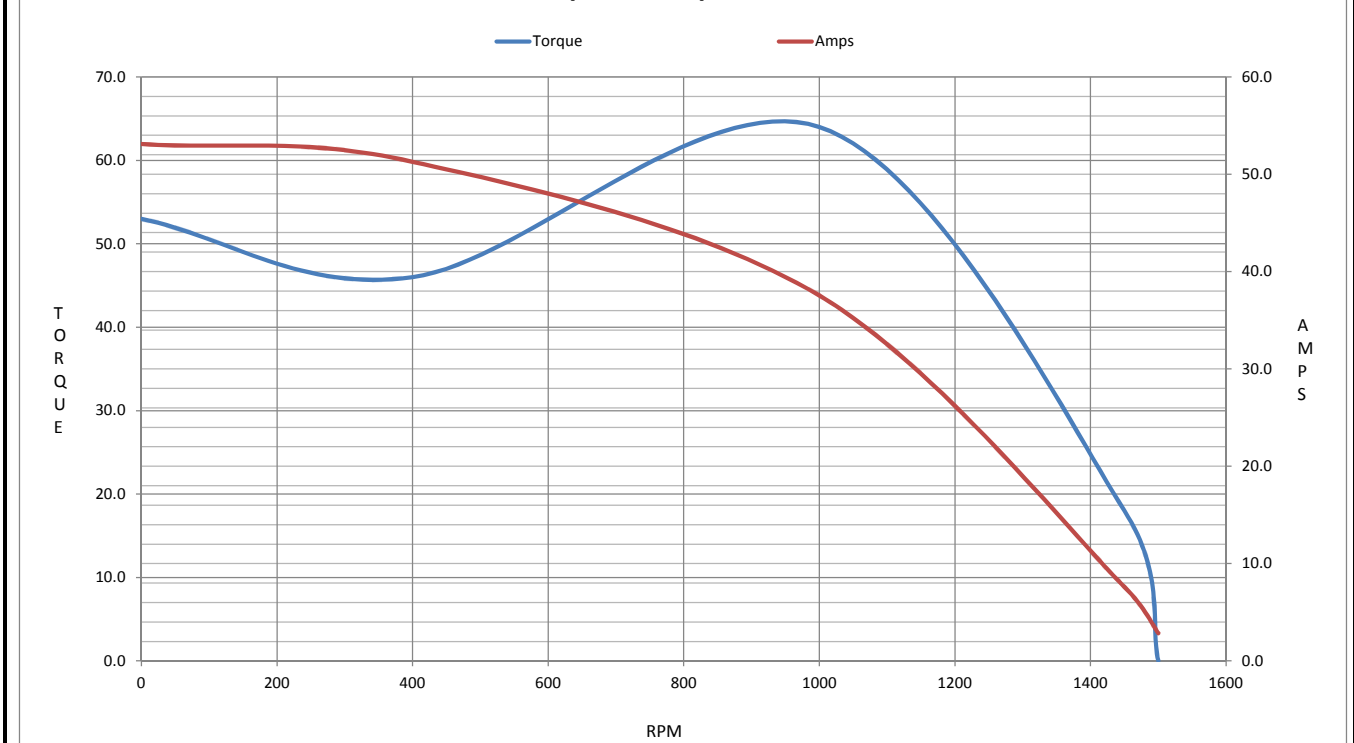
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	1000	1450	1500
Current (Amps)	53.1	51.3	37.5	7.6	2.84
Torque (ft-lb)	53.0	46.0	64.0	18.0	0.00

Information Block				
HP	5.0			
Sync. RPM	1500			
Frame	184			
Enclosure	DP			
Construction	TDR			
Voltage	200-208/380-400 V			
Frequency	50 Hz			
Design	B			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	72 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.45 Lb-Ft ²			
Ref Wdg	K1844172 NONE			
Sound Pressure @ 1M	60 dBA			
VFD Rating	NONE			
Outline Dwg	A-SS65625-775			
Conn. Diag	A-EE7358			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve



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 : 184TTDR9040

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

Catalog No : H954

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