

PRODUCT INFORMATION PACKET



Model No: C184T48FB62C

Catalog No: 131469.00

5/1.2HP..1740/860RPM.184.TEFC./230V.3PH.60HZ.CONT.NOT.40C.1.0SF.RIGID.TWO-
SPEED.C184T48FB62C

2 Speed



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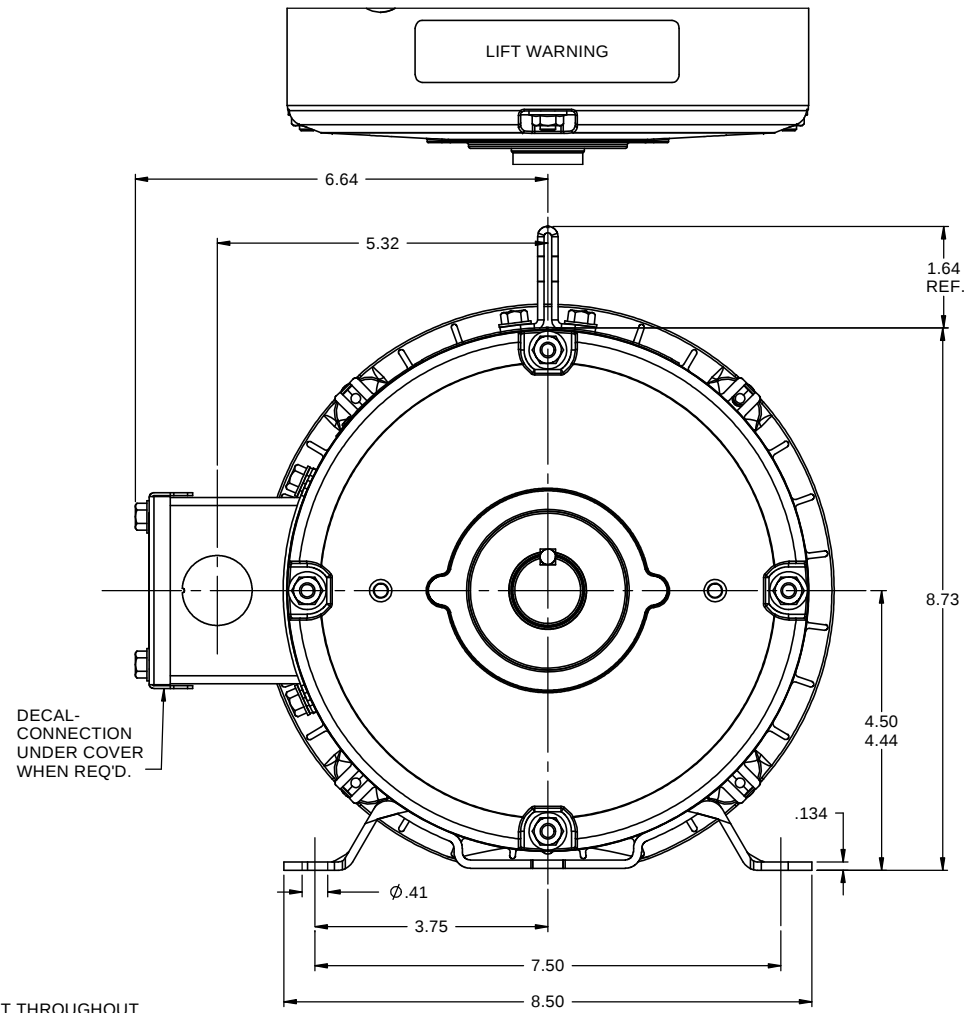
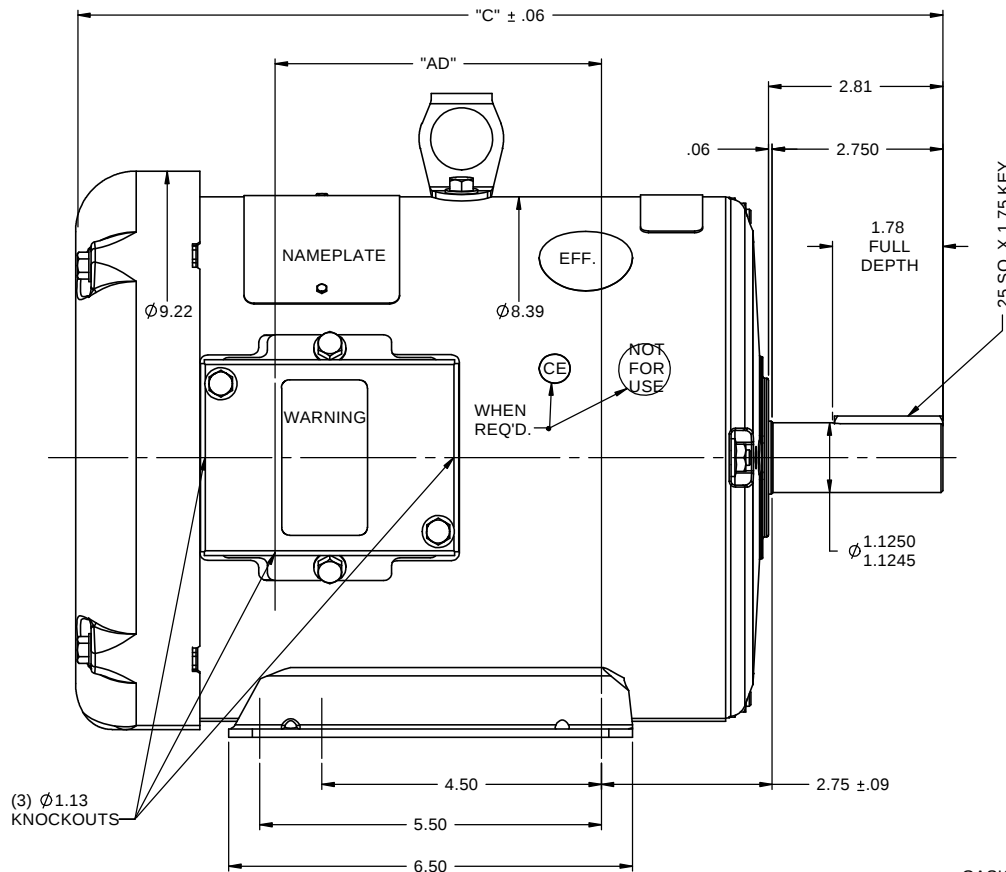
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	208-230 V
Current	13.0 A	Speed	1740 rpm
Service Factor	1	Phase	3
Efficiency	84 %	Duty	Continuous
Insulation Class	F	Design Code	1VT
KVA Code	J	Frame	184T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	N
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	15.96 in	Frame Length	10.50 in
Shaft Diameter	1.125 in	Shaft Extension	2.75 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	035465-1050	Connection Diagram	005200.01

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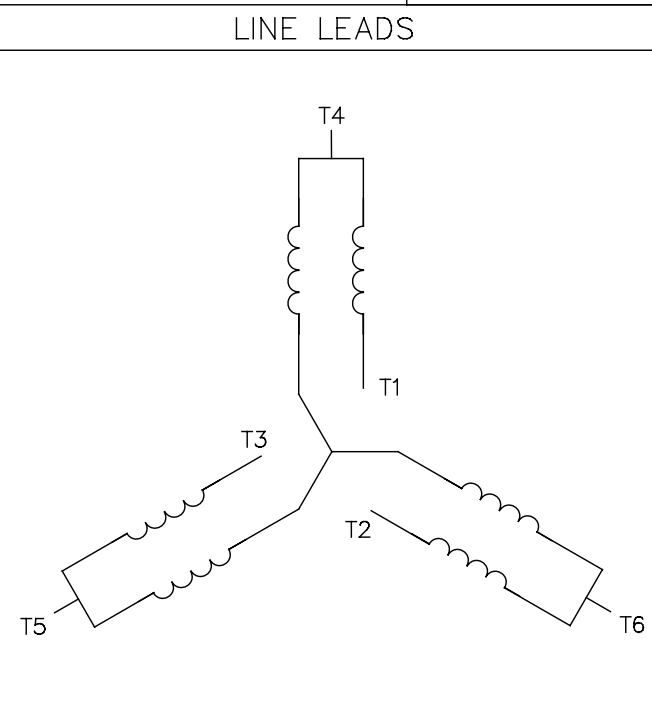
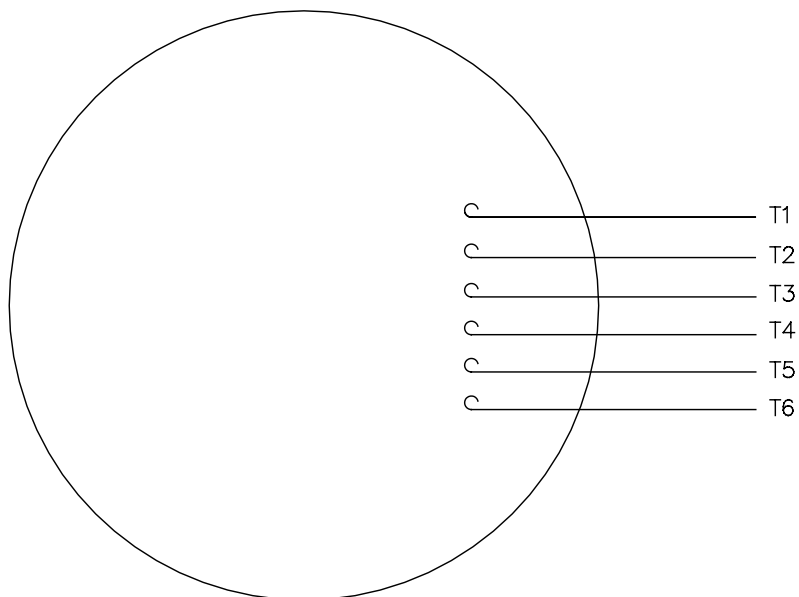


DASH NO.	"C"	"AD"
750	12.96	4.25
800	13.46	4.75
850	13.96	5.25
900	14.46	5.75
950	14.96	6.25
1000	15.46	6.75
1050	15.96	7.25
1100	16.46	7.75
1150	16.96	8.25

				TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN MGM 2/21/03	
				DEC	INCHES		CHK	
				X	±.1	TITLE OUTLINE - 180T FRAME	APPR RDW 2/21/03	
				XX	±.03		SCALE 1:2	
02 REV TO MATCH ORACLE				LST 8/13/2010	XX XXX ±.005	TEFC - RIGID	REF 035450	
- UPDATE & REDRAWN IN SOLIDWORKS				LST 12/10/2009	XX XXXX ±.0005		FMF	
NO REVISION				BY & DATE	CHK ANG ±1/2°	FINISH	PAGE OF	
THIRD ANGLE PROJECTION							REV	
				RFP	PREV	SIZE B	DRAWING NO	
				NETWORK FILE NAME	035465		035465	

005200-01

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 OTHERWISE SPECIFIED		REGAL™ Regal Beloit America, Inc.			
				DECIMALS					
				.00	± .01	DRAWN PG 08/08/83	TITLE EXTERNAL WIRING DIAGRAM		
04	SPEED WAS VOLTAGE	EPB	1/17/00	.000	± .005	CH'K'D. DLL 08/09/83	TYPE "T" W/O PROTECTOR		
03	REDRAWN TO CURRENT STANDARDS	DBT	05/30/97	.0000	± .0005	APPR. KG 08/09/83	MAT'L. DECAL – 004183/080066		
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64	SCALE 1=1	2 SPEED 1 WDG. VARIABLE TORQUE MOTOR		
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				ANGLES	± 1/2°	REF. 080066	FINISH	SIZE	DRAWING NO.
				INCH/MM		FMF 83648D1		A	005200–01

1/24/2018

131469.00



Data@ 230 V

Motor Load Data

	0%	25%	50%	75%	100%	115%	125%	LR
Load								
Current (Amps)	6.0	6.6	7.2	9.3	12.8	13.6	14.5	106
Torque (ft-lb)	0.00	3.8	7.5	11.3	15.0	16.9	18.8	42.1
RPM	1800	1788	1777	1764	1750	1744	1735	0
Efficiency (%)		75.6	82.9	84.9	84.1	83.5	82.8	
F.F. (%)	0.0	47.9	79.4	89.4	87.2	92.0	96.7	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
	0	900	1656	1750	1800		
Speed (RPM)	106	97.5	63.6	12.8	6.0		
Current (Amps)	42.1	34.7	48.3	15.0	0.00		
Torque (ft-lb)							
						HP	5.0
						Sync. RPM	1800

Information Bloc

Current (Amps)	106	97.5	63.6	12.8	6.0
Torque (ft-lb)	42.1	34.7	48.3	15.0	0.00

HP	5.0
Sync. RPM	1800
Frame	0
Enclosure	TEFC
Construction	NA
Voltage	208-230 V
Frequency	60 Hz
Design	B
LR Code letter	J
Service Factor	1.15
Temp Rise @ FL	0 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wkt	-1.00 Lb-Ft²
Ref Wdg	T8(4-8)8 FR
Sound Pressure @ 1M	0 dBA
VFD Rating	NONE
Outline Dwg	035465-1050
Conn. Diag	005200.01
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)			
R1	R2	X1	Xm
0.0000	0.0000	0.0000	0.0000

The graph plots three variables against Load (%): Efficiency (%), P.F. (%), and Current (Amps). The X-axis represents Load (%) from 0% to 140%. The Y-axis represents values from 0.0 to 100.0. Efficiency (%) is shown as a blue line, P.F. (%) as a red line, and Current (Amps) as a black line. Efficiency starts at approximately 12.5% at 0% load, rises to a peak of about 12.8% at 100% load, and then slightly decreases. P.F. starts at approximately 42.1% at 0% load, rises to a peak of about 48.3% at 100% load, and then slightly decreases. Current starts at approximately 106.0 A at 0% load, rises to a peak of about 128.0 A at 100% load, and then slightly decreases.

LOAD (%)	Efficiency (%)	P.F. (%)	Current (Amps)
0	12.5	42.1	106.0
20	12.6	43.5	108.0
40	12.7	44.5	110.0
60	12.75	45.5	112.0
80	12.78	46.5	114.0
100	12.8	48.3	128.0
120	12.75	47.5	126.0
140	12.6	46.5	124.0

Speed -Torque Curve

