

PRODUCT INFORMATION PACKET



Model No: C184T17FB62A

Catalog No: 132236.00

.5HP..1760RPM.184T.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.C184T17FB62A.....

Totally Enclosed Fan Cooled (TEFC)



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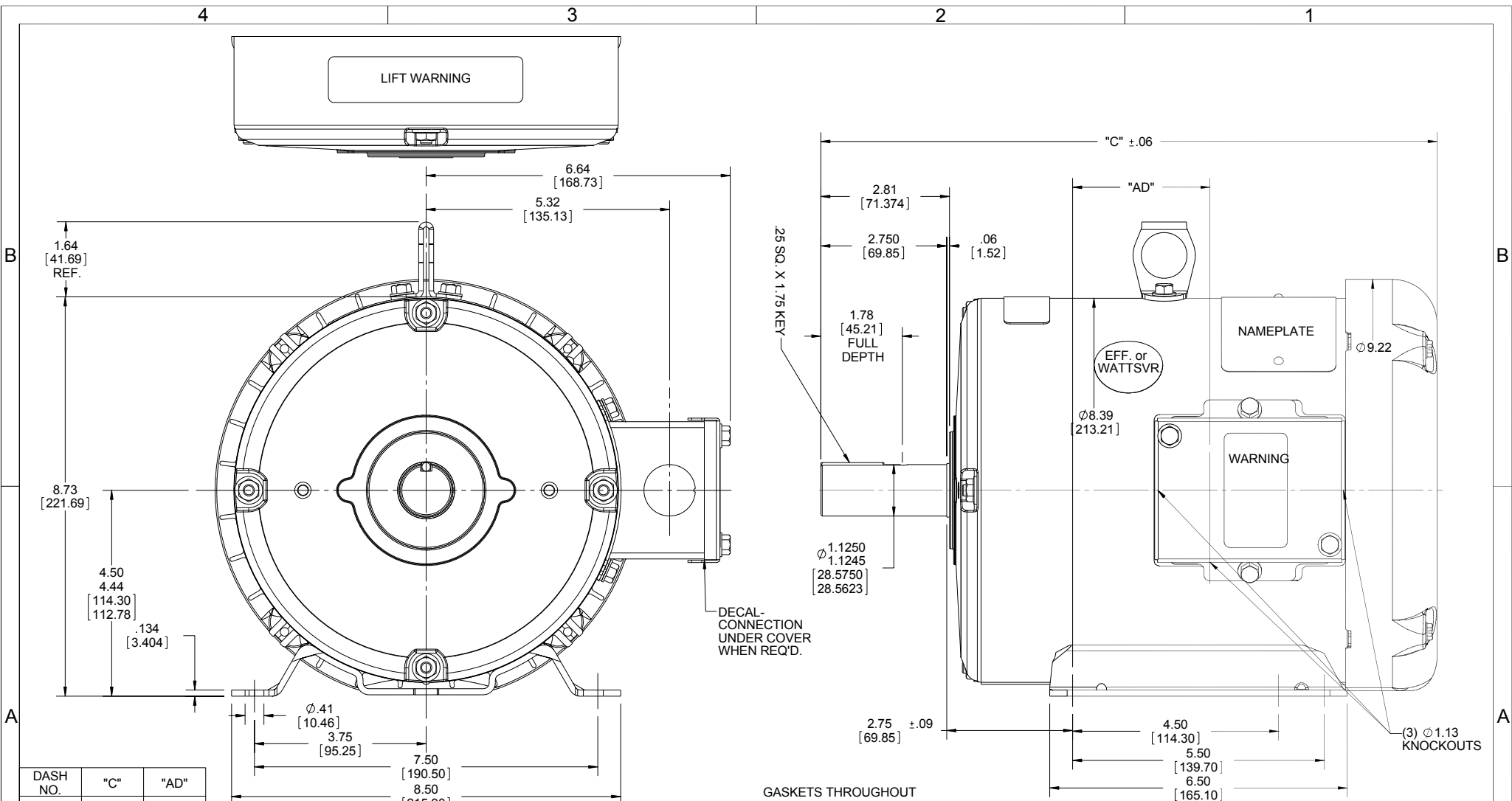


Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	12.6/6.3 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
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	Y
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	14.96 in	Frame Length	9.50 in
Shaft Diameter	1.125 in	Shaft Extension	2.75 in
Assembly/Box Mounting	F2/F1 CAPABLE		
Outline Drawing	035467-950	Connection Diagram	005010.20



DASH NO.	"C"	"AD"
800	13.46	3.00
850	13.96	3.50
900	14.46	4.00
950	14.96	4.50
1000	15.46	5.00
1050	15.96	5.50
1100	16.46	6.00
1150	16.96	6.50

DRAWING REVISION C	REVISION BY KIR	DATE 01/22/16
ECO ECO-0092315	APPROVED BY SS	DATE 01/22/16
ECO DESCRIPTION DE BRACKET VIEW UPDATED AS PER MACHINED PART		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
.X	±0.1	[±2.5]
.XX	±0.03	[±0.76]
.XXX	±0.005	[±0.127]
.XXXX	±0.0005	[±0.0127]
REMOVE BURRS & BREAK SHARP		
EDGES: .003/.015 [0.076/3.81] X 45°		
CORNER FILLETS: R.02 [51]		
MACHINED SURFACES: 200 ^{5.1} INCH / mm ✓		
mm SHOWN IN [BRACKETS]		

DRAWN BY RDW 2/26/03	DATE
APPROVED BY SW 2/26/03	DATE
REFERENCE	THIRD ANGLE PROJECTION

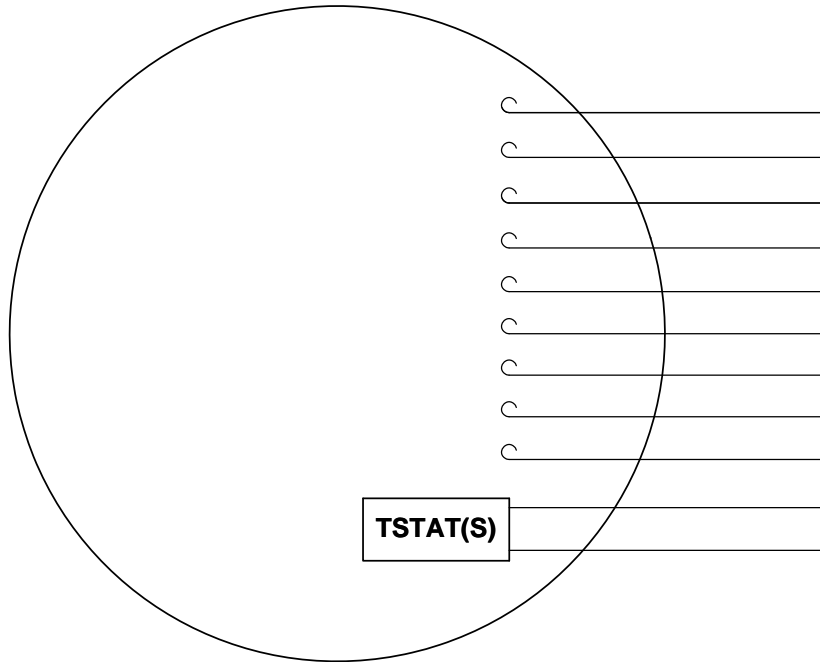
REGAL™ Regal Beloit America, Inc.

DESCRIPTION: **OUTLINE**
TEFC - RIGID

MATERIAL: GENERAL PURPOSE - F2 MOUNT PROCESS/FINISH

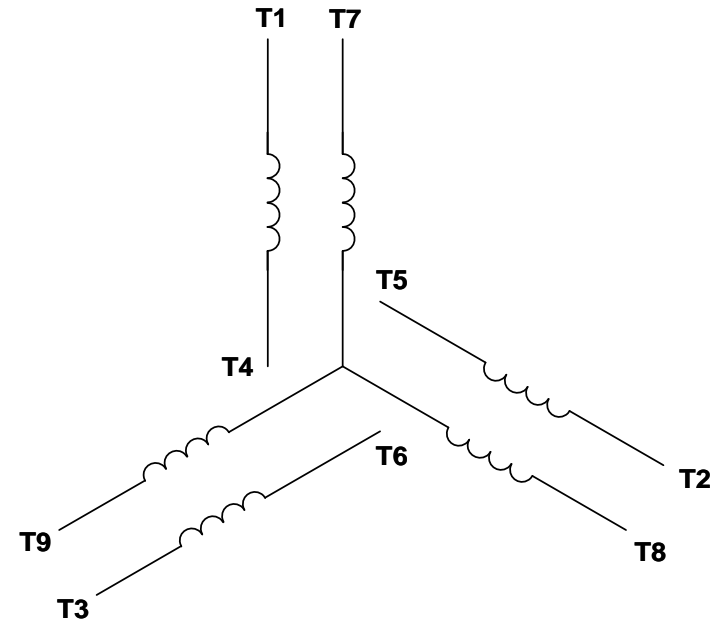
SIZE: DRAWING NUMBER **035467** SHEET 1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END. Uncontrolled Copy



- T1
- T2
- T3
- T4
- T5
- T6
- T7
- T8
- T9
- RED(P1)
- RED(P2)

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

DRAWING REVISION G	REVISION BY MVG	DATE 04/05/2017
ECO ECO-0121253	APPROVED BY SM	DATE 04/05/2017

ECO DESCRIPTION
ADDED P1 & P2 FOR TSTAT

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125/3.2 INCH/mm
mm SHOWN IN [BRACKETS]

DRAWN BY DBT 12/16/97	DATE
APPROVED BY KH 12/17/97	DATE
REFERENCE	
THIRD ANGLE PROJECTION	

REGAL™ Regal Beloit America, Inc.

DESCRIPTION
CONN DIAGRAM-EXTERNAL
3 PHASE WITH PROTECTOR

MATERIAL DECAL - 004014 (TSTAT) - 080582	PROCESS/FINISH STOCK
SIZE A	DRAWING NUMBER 00501020
SHEET 1 OF 1	



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.20
OUTLINE: 035467-950
WINDING: T84170

CAT #: 132236.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
5	3.7	1800	1760	184T	TEFC	TFW	J	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	12.6/6.3	ACROSS THE LINE	CONT	F	1.15	40	3300
F.L. EFF		89.5	3/4 LD EFF	90.2	1/2 LD EFF	88.9	GTD EFF	ELECT. TYPE	
F.L. PF		83.1	3/4 LD PF	79.4	1/2 LD PF	70.9	87.5	SQ CAGE IND RUN	
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)	
15.0 LB-FT		49.0		30.1 LB-FT 201%		50.2 LB-FT		335% 65	
PRESSURE @ 3		POWER	ROTOR WK²	MAX LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT		
55 DBA		64 DBA	0.49 LB-FT²	0 LB-FT²	15 SEC.	2	0 LB.		

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	N - LEESON WATTS
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE ODE	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL		

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA
R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.150	ODE

* N O T E S *		INVERTER TORQUE: NONE	
		INV. HP SPEED RANGE: NONE	
		ENCODER: NONE	
		NONE	
		BRAKE: NONE	
		NONE	
		FT-LB: NA	
		VOLTAGE: NONE	
		NONE	
		U.I.: Y-(LEESON U.I. REC)	
		NONE	
		PPR	

DATE:	1/31/2018	HZ:	
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Data Sheet

Date: 1/31/2018

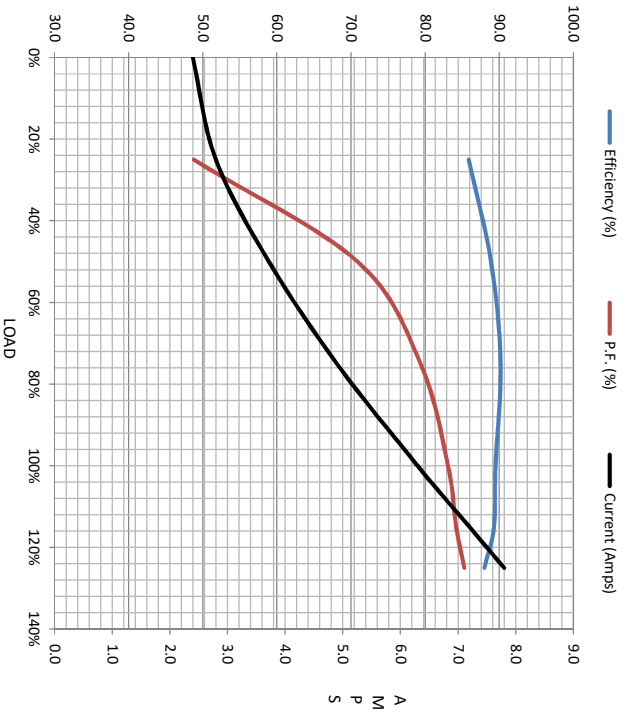
132236.00



Data @ 460 V

Motor Load Data										
Load	0%	25%	50%	75%	100%	115%	125%	LR		
Current (Amps)	2.40	2.80	3.7	4.9	6.3	7.2	7.8	49.0		
Torque (ft-lb)	0.00	3.7	7.4	11.1	15.0	17.4	18.8	30.1		
RPM	1800	1790	1779	1768	1760	1747	1742	0		
Efficiency (%)		85.9	88.9	90.2	89.5	89.3	88.0			
P.F. (%)	6.8	48.8	70.9	79.4	83.1	84.2	85.3	0.0		

Motor Speed Data								Information Block					
Speed (RPM)	LR	Pull-Up	BD	Rated	Idle	HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design
Speed (RPM)	0	900	1656	1760	1800	5.0	1800	184	TEFC	TFW	230/460	60	B
Current (Amps)	49.0	45.1	29.4	6.3	2.40								J
Torque (ft-lb)	30.1	29.8	50.2	15.0	0.00								1.15



LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	65 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.49			
Rel Wdg	T84170 FR			
Sound Pressure @ 1M	55 dBA			
VFD Rating	NONE			
Outline Dwg	035467/950			
Conn. Diag	005010.20			
Additional Specifications:				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000

