

PRODUCT INFORMATION PACKET

Model No: 184TTFC6576

Catalog No: E388B

Severe Duty Motors, TEFC, 2 HP, 3 Ph, 60 Hz, 460 V, 1173 RPM, 184T Frame



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Nameplate Specifications

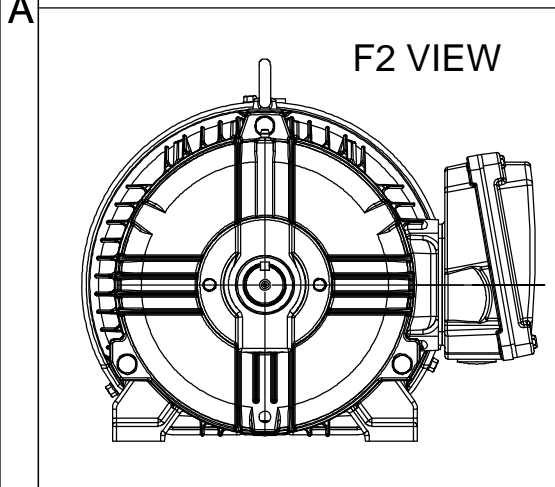
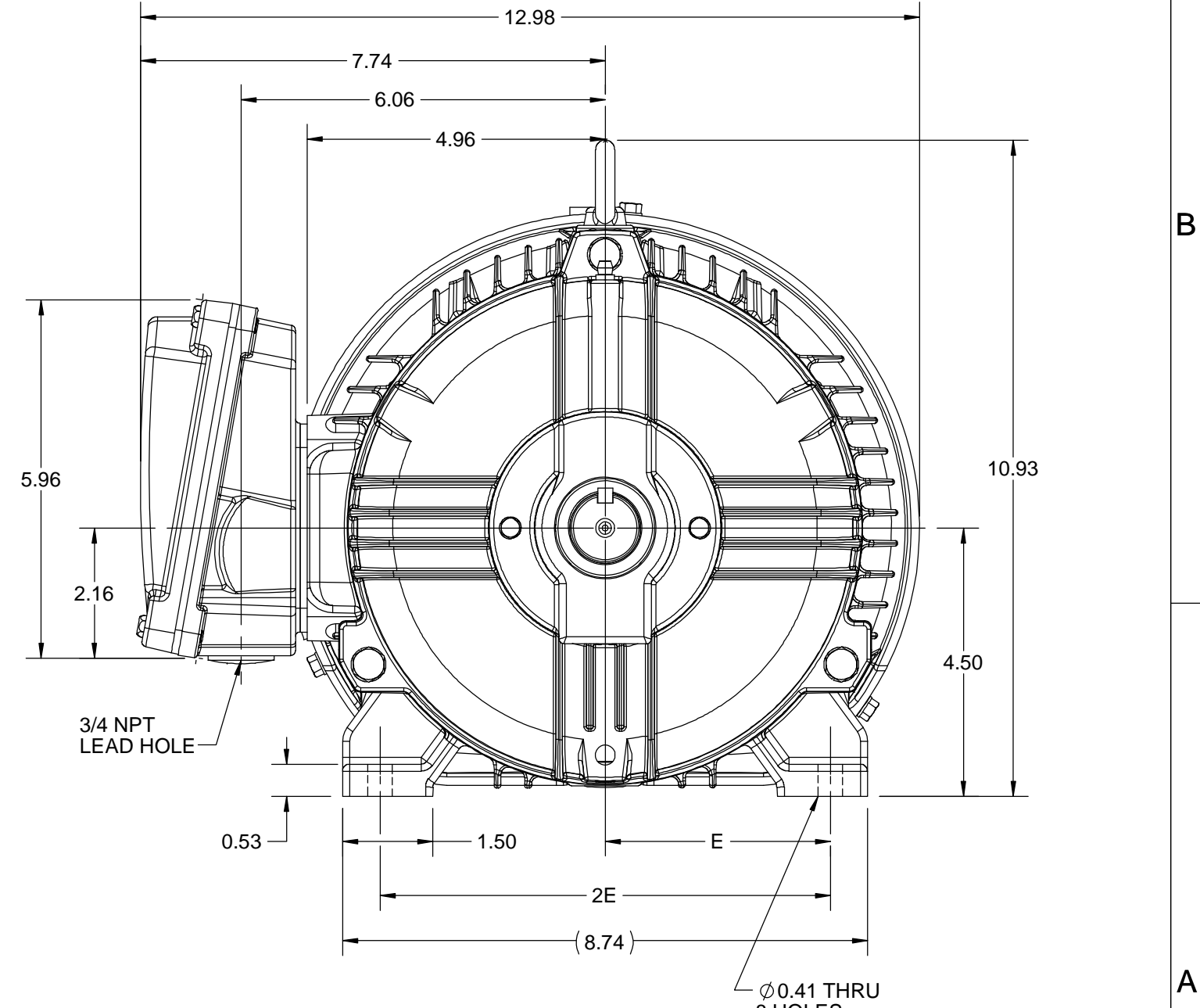
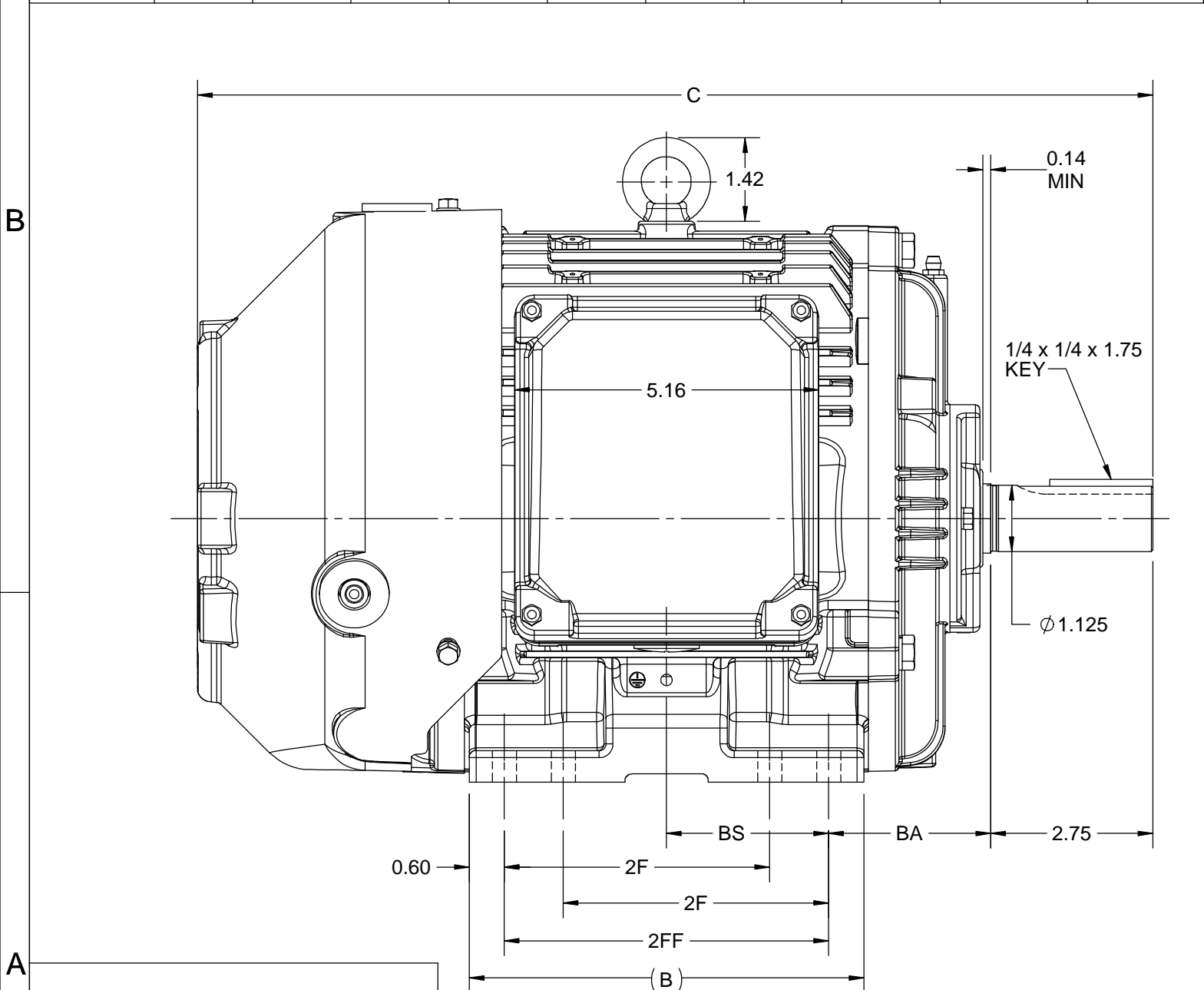
Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	460 V
Current	3.0 A	Speed	1173 rpm
Service Factor	1.15	Phase	3
Efficiency	88.5 %	Power Factor	70
Duty	Continuous	Insulation Class	H
Design Code	B	KVA Code	L
Frame	184T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Listed	CSA	Y
CE	Y	IP Code	55
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

Technical Specifications

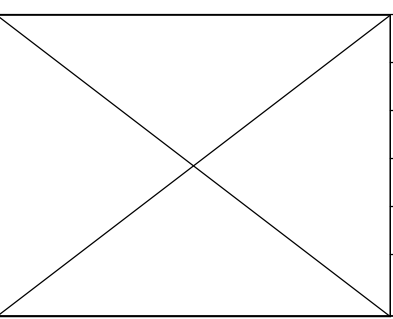
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	5.35 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Shaft Diameter	1.125 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1
Outline Drawing	SS600210-200	Connection Drawing	EE7300

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DASH NO.	4			3				2		1
	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	5.67	15.20	3.75	7.50	-	4.50	2.75	2.35	F1 OR F2	182T
200	6.69	16.20			4.50	5.50		2.75	F1 OR F2	182/184T



DRAWING REVISION C	REVISION BY BISWA	DATE 06/10/2020
ECO ECO-0194180	APPROVED BY GNK	DATE 06/10/2020
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DRAWN BY BISWA	REGAL ™ Regal Beloit America, Inc.
DATE 24/12/2018	
APPROVED BY SBD	DESCRIPTION OUTLINE 182/184T FR-NEMA-SD & IEEE841
DATE 24/12/2018	MATERIAL
REFERENCE	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B
	DRAWING NUMBER SS600210
	SHEET 1 OF 1

**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

**TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.**

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**



A-9806 DECAL

**OPTIONAL CORD
CONNECTION**



DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR	
MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7300
SHEET 1 OF 1	



DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7300
 OUTLINE: SS600210-184T
 WINDING: HE31126009 NONE 1

REFERENCE MODEL #: 184TTFC6576
 CAT #: E388B

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
2	1.5	1200	1173	184T	TEFC	TFC	L	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB (° C)	ELEV. (Ft)
3	60	460	3	LINE OR INVERTER	CONT	H	1.15	40	3300

F.L. EFF	88.5	3/4 LD EFF	87.5	1/2 LD EFF	85.5	GTD EFF	ELECT. TYPE
F.L. PF	70.0	3/4 LD PF	63.0	1/2 LD PF	51.0	87.5	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
9.0 LB-FT	23.5	23.5 LB-FT 261%	31.0 LB-FT 344%	60

SOUND PRESSURE	SOUND	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX.
55 dBA	64 dBA	0.50 LB-FT²	40 LB-FT²	15 SEC.	2	129 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	PREMIUM SEVERE DUTY	DIVISION 2 T2B	NO	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
BALL 6206	BALL 6205						

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
3.102	2.256	8.601	10.575	141	0.080	ODE

* N O T E S *	If Inverter equals NONE, contact factory for further information	
	INVERTER TORQUE: CONSTANT 10:1/VARIABLE 10:1	
	INV. HP SPEED RANGE: NONE	
	ENCODER: NONE	
NONE		
NONE		
NONE PPR		

PREPARED BY: _____	BRAKE: NONE
DATE: 5/12/2020	NONE
	FT-LB: NA
	VOLTAGE: NONE
	HZ: _____

FORM: 3531 REV_4 2/27/06
 ** Subject to change without notice.

Data Sheet

Date: 5/6/2020
 Customer: _____
 Attention: _____
 Submitted by: _____

184TTFC6576



Submittal

Data @ 460 V

Motor Load Data

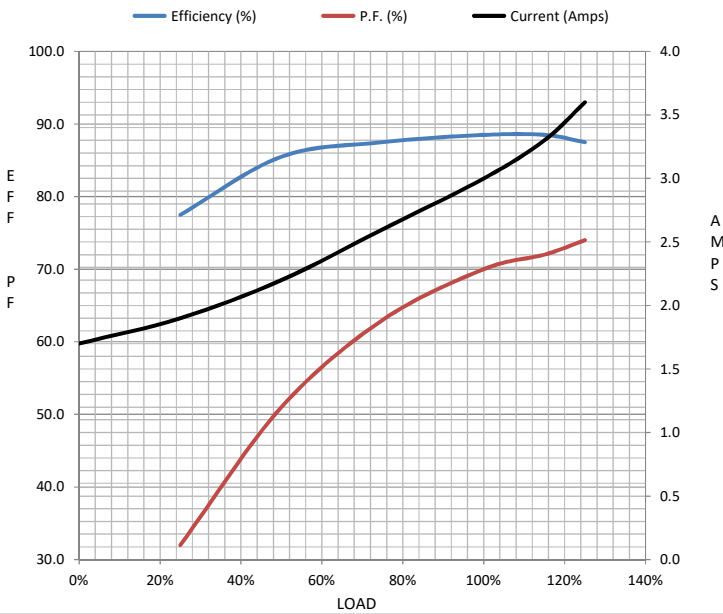
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.70	1.90	2.20	2.60	3.0	3.3	3.6	23.5
Torque (ft-lb)	0.00	2.20	4.5	6.7	9.0	10.3	11.2	23.5
RPM	1200	1194	1188	1180	1173	1,170	1168	0
Efficiency (%)		77.5	85.5	87.5	88.5	88.5	87.5	
P.F. (%)	7.0	32.0	51.0	63.0	70.0	72.0	74.0	48.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	950	1173	1200
Current (Amps)	23.5	22.0	15.5	3.0	1.70
Torque (ft-lb)	23.5	18.0	31.0	9.0	0.00

Information Block

HP	2.0			
Sync. RPM	1200			
Frame	184			
Enclosure	TEFC			
Construction	TFC			
Voltage	460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	60 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	3,300 feet			
Rotor/Shaft wk ²	0.50 Lb-Ft ²			
Ref Wdg	HE31126009 NONE			
Sound Pressure @ 1M	55 dBA			
VFD Rating	CONSTANT 10:1/VARIABLE 10:1			
Outline Dwg	SS600210-184T			
Conn. Diag	EE7300			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
3.1020	2.2560	8.6010	10.5750	141.0000



Speed -Torque Curve

