

PRODUCT INFORMATION PACKET

Model No: 184TTFCD6505

Catalog No: E655A

5 HP, Severe Duty Motors, 3 phase, 3600 RPM, 575 V, 184T Frame, TEFC
Other Severe Duty Motors





Nameplate Specifications

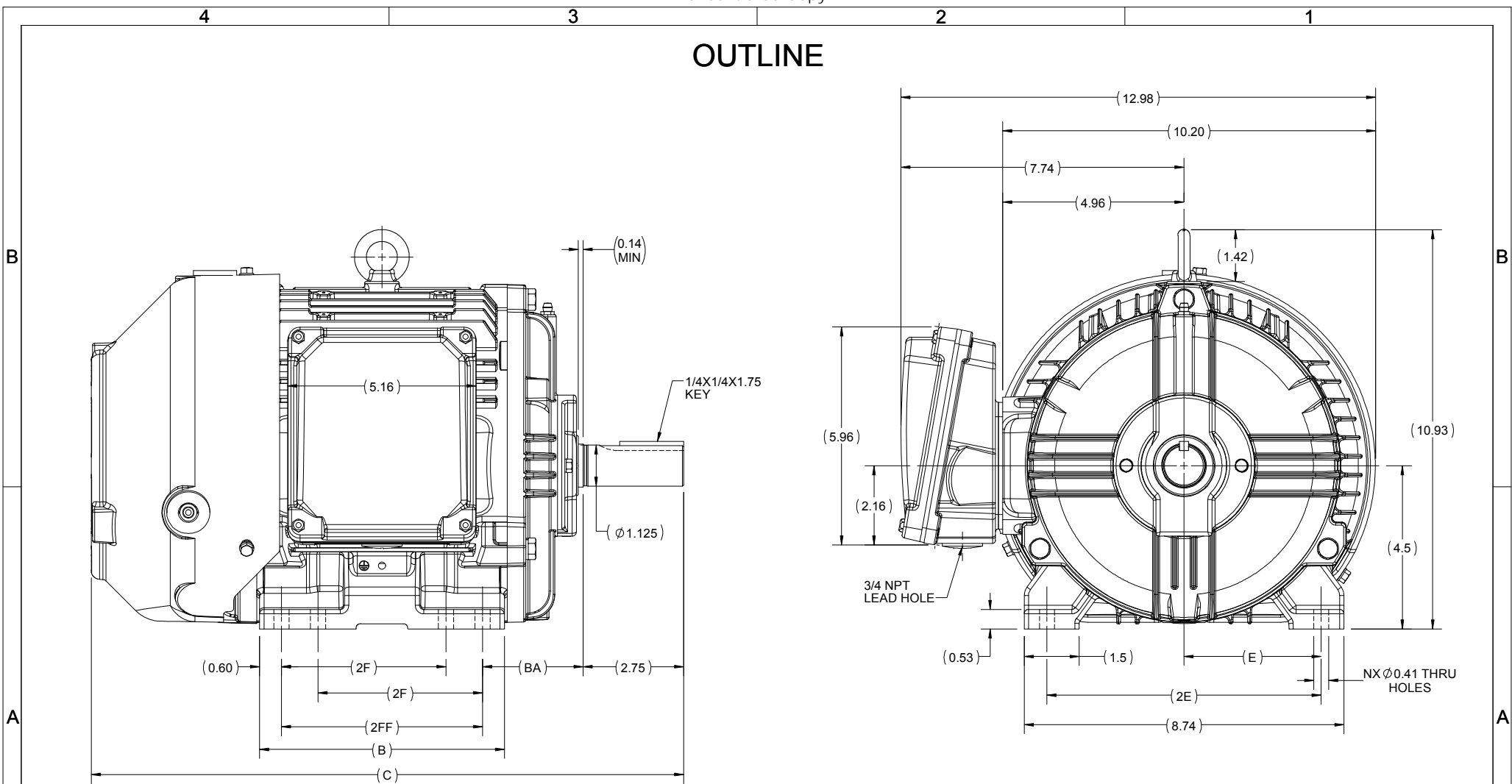
Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	575 V
Current	4.8 A	Speed	3510 rpm
Service Factor	1.15	Phase	3
Efficiency	88.5 %	Power Factor	88
Duty	Continuous	Insulation Class	H
Design Code	B	KVA Code	H
Frame	184T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	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		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Selective Clockwise
Resistance Main	3.55 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		
Outline Drawing	SS600210-184T	Connection Drawing	EE7300


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OUTLINE



182/184T	6.69	16.20	5.50	4.50				8	F1 OR F2
182T	5.67	15.20	4.50	-	2.75	3.75	7.50	4	F1 OR F2
FRAME	B	C	2FF	2F	BA	E	2E	N	MOUNTING

DRAWING REVISION B	REVISION BY BISWA	DATE 25/01/2019
ECO ECO-0160791	APPROVED BY SBD	DATE 25/01/2019
ECO DESCRIPTION DRAWING UPDATED		
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DRAWN BY BISWA	 Regal Beloit America, Inc.
DATE 24/12/2018	
APPROVED BY SBD	DESCRIPTION OUTLINE 182/184T FR-NEMA-SD & IEEEE841
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 REFERENCE MODEL #: 184TTFCD6505
 OUTLINE: SS600210-184T CAT #: E655A
 WINDING: HE31122016 NONE 2 MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN					
5	3.7	3600	3510	184T	TEFC	TFC	H	B					
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB (°C)	ELEV.(FT)				
3	60	575	4.8	LINE OR INVERTER	CONT	H	1.15	40	3300				
F.L. EFF		88.5	3/4 LD EFF		88.5	1/2 LD EFF		87.5	GTD EFF		87.5	ELECT. TYPE	
F.L. PF		88.0	3/4 LD PF		83.0	1/2 LD PF		73.0	SQ CAGE INV RATED				
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)					
7.5	LB-FT	33.6	16.2	LB-FT	216%	23.0	LB-FT	307%	65				
SOUND PRESSURE @	SOUND	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	APROX.							
70	dB	79	dB	0.23	LB-FT ²	5.5	LB-FT ²	15	SEC.	2	111	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												
BALL	BALL	POLYREX EM	T	NONE	NONE	1045	HOT ROLLED (C-204)	CAST IRON					
6206	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						
3.278	1.595	6.202	2.481	175.593	0.080		ODE						
* N O T E S *						If Inverter equals NONE, contact factory for further information							
						INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1							
						INV. HP SPEED RANGE: NONE							
						ENCODER: NONE							
						NONE PPR							
PREPARED BY: ANUSHA M					BRAKE: NONE								
DATE: 3/18/2020					NONE NA NONE								
					FT-LB: NA								
					VOLTAGE: NONE HZ:								

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

