

PRODUCT INFORMATION PACKET

Model No: 184THFS19006
Catalog No: W524
5,3600,TEFC,184T,3/60/575
Severe Duty



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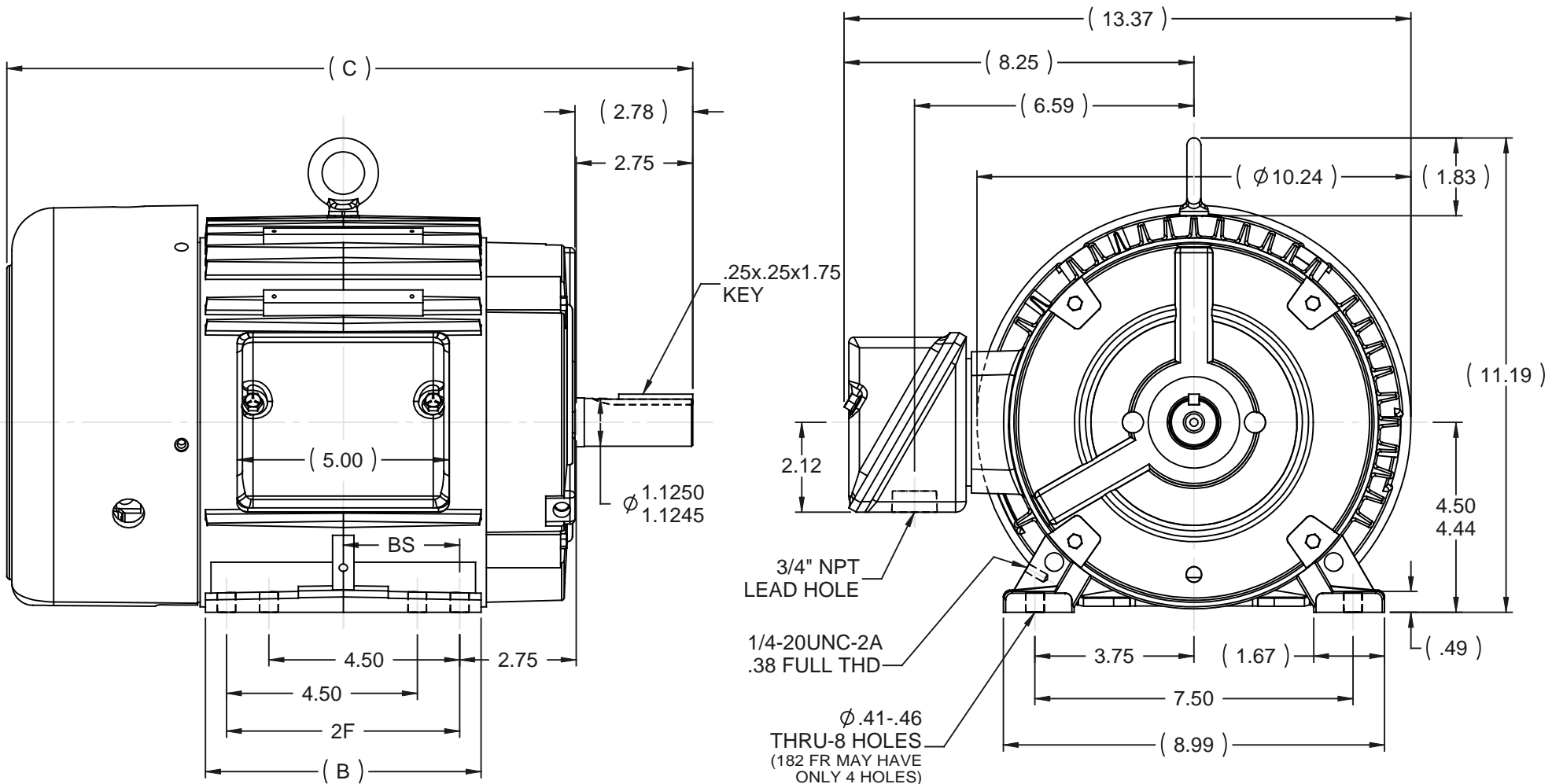
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	575 V
Current	4.7 A	Speed	3505 rpm
Service Factor	1.15	Phase	3
Efficiency	88.5 %	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	56		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Overall Length	16.18 in	Frame Length	6.75 in
Shaft Diameter	1.125 in	Shaft Extension	2.78 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	A-SS69971-675	Connection Diagram	A-EE7300

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NOTES:

1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°
3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	BS	2F	MOUNTING
575	182T	5.50	15.18	2.25	4.50	F1 ONLY
675	182T	6.50	16.18	2.75	5.50	F1 ONLY
675	184T	6.50	16.18	2.75	5.50	F1 OR F2

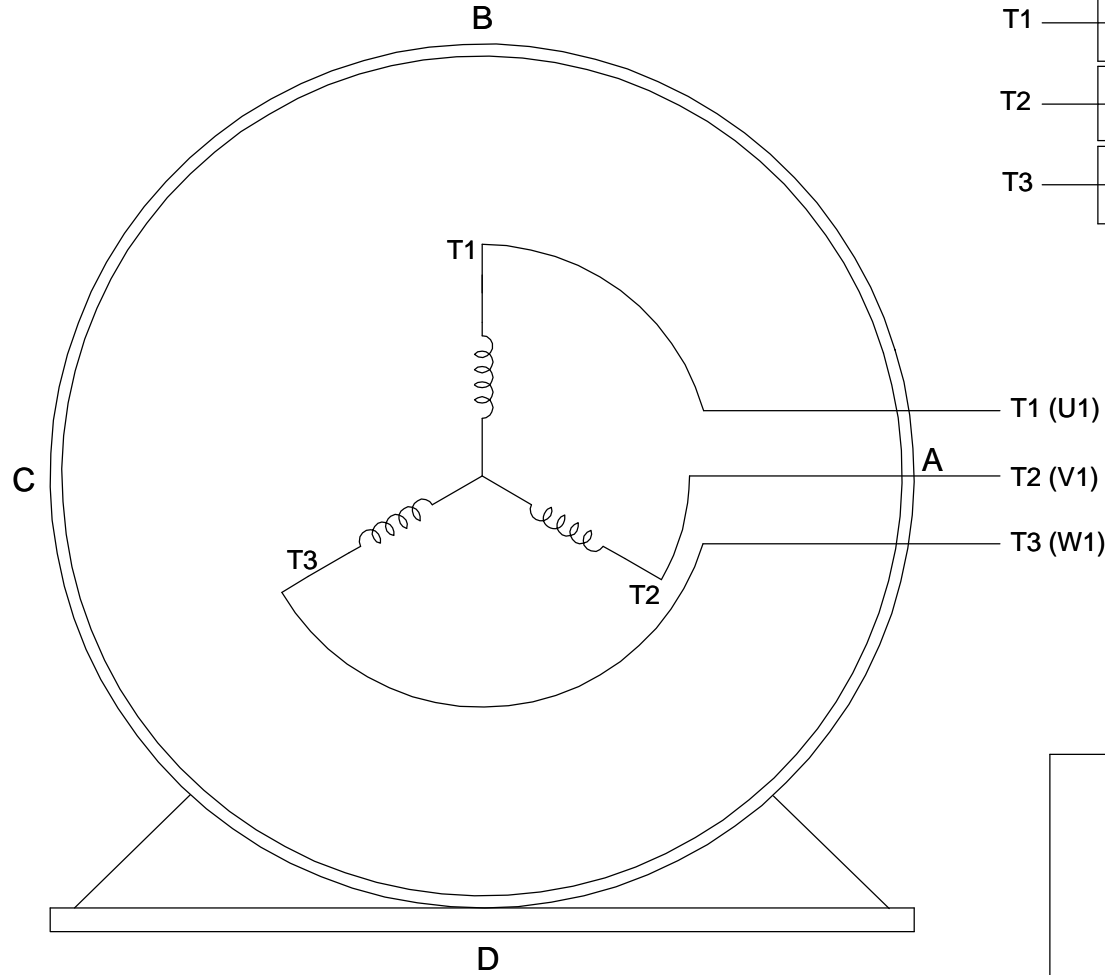
		TOLERANCES UNLESS SPECIFIED			DRAWN TJW 5/19/2009	
		DEC	INCHES		CHK CTO 5/19/2009	
		.X	±.1		APPR EH 5/19/2009	
		.XX	±.03		SCALE 9:32	
		.XXX	±.005		REF SS68446	
		.XXXX	±.0005	MAT'L		
NO	REVISION	BY & DATE	CHK	ANG ±7'30"	FINISH	PAGE OF
			RFP 5/19/2009	PREV	SIZE A	DRAWING NO SS69971
			NETWORK FILE NAME SS69971			REV



**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**

- L1 WHITE
- L2 RED
- L3 BLACK

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

CERTIFICATION DATA SHEET

Model#: 184THFS19006 AB **WINDING#:** 1842116 NONE 8
CONN. DIAGRAM: A-EE7300 **ASSEMBLY:** F1/F2 CAPABLE
OUTLINE: A-SS69971-675

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	3600	3505	184T	TEFC	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	4.7	LINE OR INVERTER	CONTINUOUS	F3	1.15	40	3300

FULL LOAD EFF: 88.5	3/4 LOAD EFF: 89	1/2 LOAD EFF: 88.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88.5	3/4 LOAD PF: 85.5	1/2 LOAD PF: 77.5	87.5	SQ CAGE INV RATED	1.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.5 LB-FT	32.4	12 LB-FT 160	22 LB-FT 293	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	0.3 LB-FT^2	5.5 LB-FT^2	15 SEC.	2	125 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B	FALSE	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	CAST IRON
6206	6205						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: CONSTANT 2:1
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

DATE: 06/28/2017 06:18:10 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 20-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



184THFS19006

Submittal

Data @ 575 V

Motor Load Data

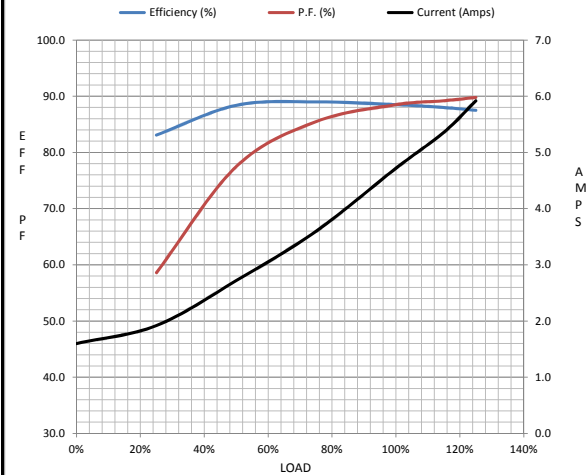
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.60	1.92	2.72	3.6	4.7	5.4	5.9	32.4
Torque (ft-lb)	0.00	1.80	3.7	5.5	7.5	8.6	9.4	12.0
RPM	3600	3580	3560	3535	3505	3.490	3480	0
Efficiency (%)		83.1	88.4	89.0	88.5	88.0	87.5	
P.F. (%)	11.5	58.6	77.5	85.5	88.5	89.2	89.8	41.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3000	3505	3600
Current (Amps)	32.4	29.6	20.4	4.7	1.60
Torque (ft-lb)	12.0	10.5	22.0	7.5	0.00

Information Block

HP	5.0			
Sync. RPM	3600			
Frame	184			
Enclosure	TEFC			
Construction	TFS			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	50 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.30 Lb-FT²			
Ref Wdg	1842116 NONE			
Sound Pressure @ 1M	72 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	A-SS69971-675			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
2.1740	1.7660	7.5170	2.8840	195.2500



Speed -Torque Curve

