

PRODUCT INFORMATION PACKET



Model No: C184T17FK38A

Catalog No: 132478.00

..5HP..1800RPM.184TC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15 S.F..RIGID C
FACE.....BRAKEMOTOR.....

Brake



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Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	13.7-12.6/6.3 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	184TC
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

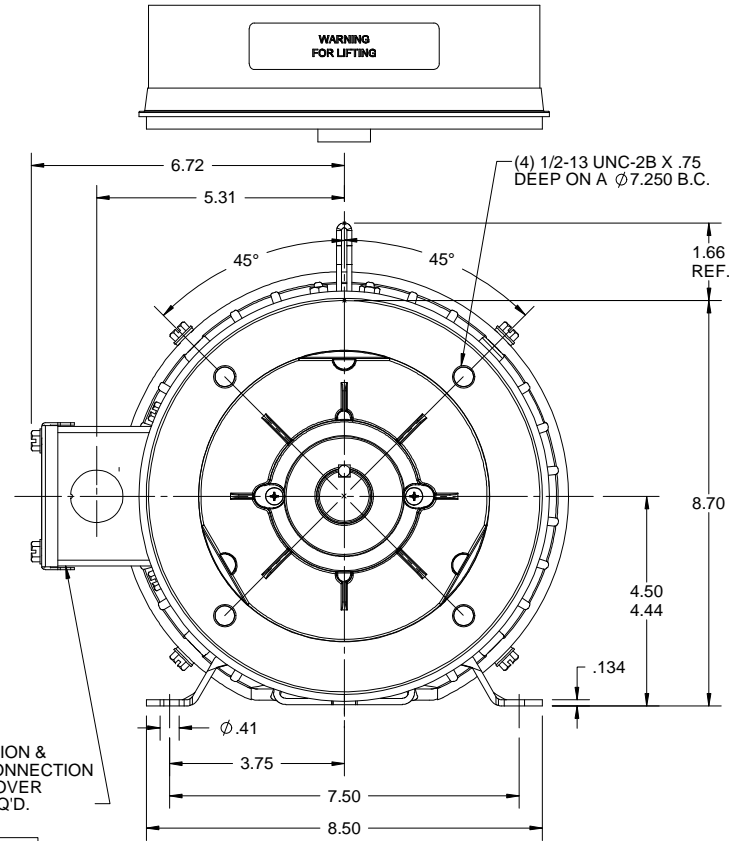
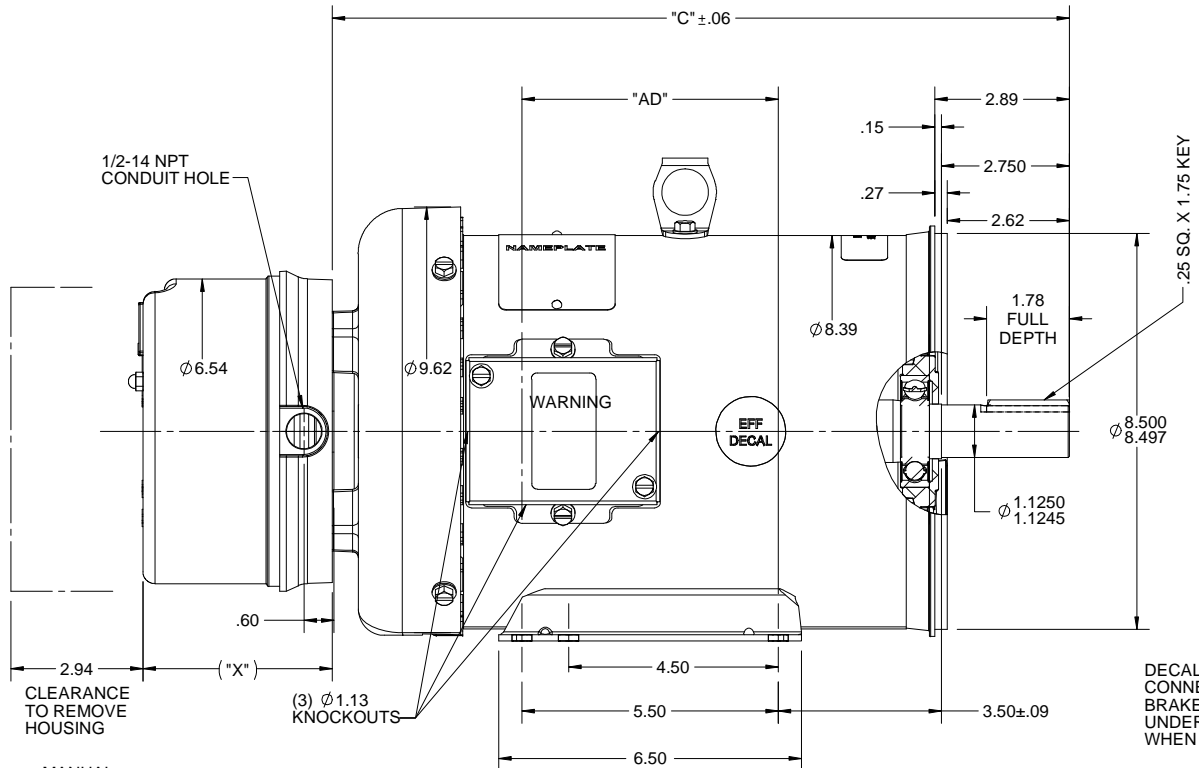
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	16.32 in	Frame Length	10.00 in
Shaft Diameter	1.125 in	Shaft Extension	2.75 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	035519-1000	Connection Diagram	005010.15

B

B

A

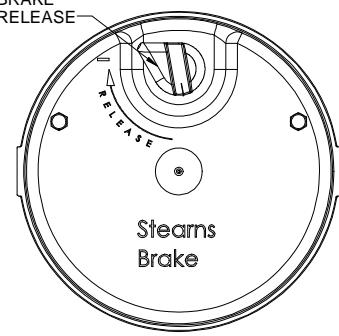
A



BRAKE TORQUE	"X"
15 FT-LB	4.00
20 FT-LB	4.46
25 FT-LB	4.46

DASH NO.	"C"	"AD"
850	14.82	4.38
900	15.32	4.88
950	15.82	5.38
1000	16.32	5.88
1050	16.82	6.38
1100	17.32	6.88
1150	17.82	7.38

GASKETS THROUGHOUT
 MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.
 BASE & C-FACE MOUNTING TAPS TO BE SQUARE AND PARALLEL TO EACH OTHER ± 1/32" MAX.



BRAKE HOUSING

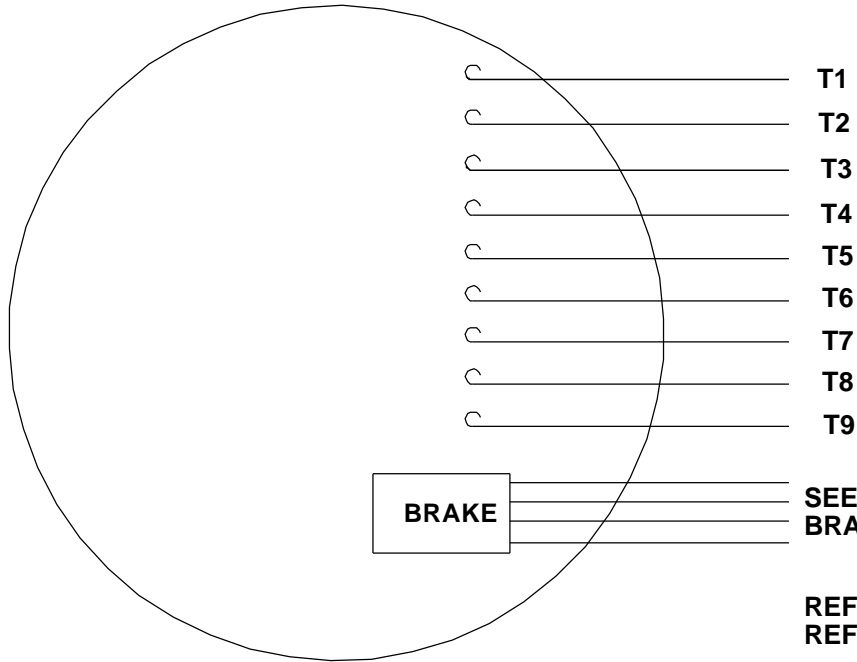
DRAWING REVISION E
 ECO ECO-0152005
 REVISION BY NK
 APPROVED BY ST
 DATE 9/4/18
 DATE 9/4/18
 ECO DESCRIPTION: "BA" DIMENSION WAS 3.63
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TOLERANCES UNLESS OTHERWISE SPECIFIED:
 DEC. INCH mm ANGLE
 .X ±0.1 [+2.5] ±7-30°
 .XX ±0.03 [+0.76]
 .XXX ±0.005 [+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: 200 INCH mm 5.1
 mm SHOWN IN [BRACKETS]

DRAWN BY LST
 DATE 11/8/09
 APPROVED BY
 DATE
 REFERENCE
 THIRD ANGLE PROJECTION

REGAL™ Regal Beloit America, Inc.
 DESCRIPTION: **OUTLINE**
 180T FR. TEFC - RIGID "C"
 MATERIAL PROCESS/FINISH
 SIZE B DRAWING NUMBER 035519
 SHEET 1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

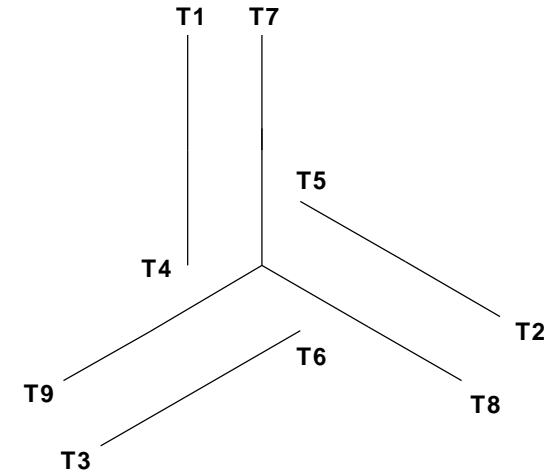


CAUTION:
LEAD WIRE INSULATION TO EXTEND
MINIMUM OF 1/4" INTO CONNECTOR
INSULATION

SEE TABLE FOR
 BRAKE CONNECTIONS

REF. DECAL (MOTOR) - 004014
 REF. DECAL (BRAKE) - 080034 (STEARNS & DINGS BRAKE)

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

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TYPE "T" W/O PROTECTOR

VOLTAGE	BRAKE CONNECTION		
	STEARNS BRAKE		DINGS BRAKE
	L1	L2	Join
HIGH	1(RED)	2(RED)	3(BLACK) 4(BLACK)
LOW	1(RED) 3(BLACK)	2(RED) 4(BLACK)	-----

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN JJK 09/17/96	
				DEC	INCHES		CHK	
				.X	±.1	APPR		
				.XX	±.01	SCALE 1:1		
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11	.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM STANDARD 3 PHASE - DUAL VOLTAGE		REF 005010-01	
01	ADDED DINGS AND BRAKE TABLE (PER CN114156)	TMZ 11/12/96	.XXXX	±.0005	MAT'L W/STEARNS OR DINGS DUAL VOLTAGE BRAKE CONN.		FMF	
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH LEESON STOCK		PAGE OF
THIRD ANGLE PROJECTION				RFP	PREV	SIZE	DRAWING NO	REV
				NETWORK FILE NAME 00501015		A	005010-15	--



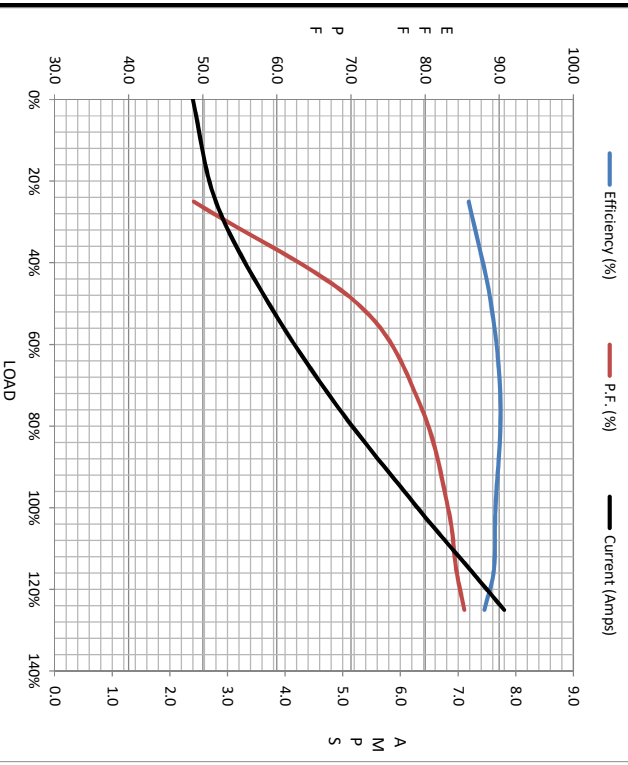
Motor Load Data						LR	
Load	0%	25%	50%	75%	100%	115%	125%
Current (Amps)	2.40	2.80	3.7	4.9	6.3	7.2	7.8
Torque (ft-lb)	0.00	3.7	7.4	11.1	15.0	17.4	18.8
HPM	1800	1790	1779	1768	1760	1747	1742
Efficiency (%)		85.9	88.9	90.2	89.5	89.3	88.0
P.F. (%)	6.8	48.8	70.9	79.4	83.1	84.2	85.3

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1656	1760	1800
Current (Amps)	49.0	45.1	29.4	6.3	2.40
Torque (ft-lb)	30.1	29.8	50.2	15.0	0.00

Information Block

HP	5.0
Sync. RPM	1800
Frame	184
Enclosure	TEFC
Construction	TFW
Voltage	230/460 V
Frequency	60 Hz
Design	B
LR Code letter	J
Service Factor	1.15
Temp Rise @ FL	65 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk ²	0.49 lb-Ft ²
Ref Wdg	T84170 FR
Sound Pressure @ 1M	55 dBA
VFD Rating	NONE
Outline Dwg	035519-1000
Conn. Diag	005010.15
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	Xm
0.0000	0.0000



Speed - Torque Curve

