

PRODUCT INFORMATION PACKET



Model No: C182T17FK21A

Catalog No: 132477.00

..3HP..1800RPM.182TC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15 S.F..RIGID C
FACE.....BRAKEMOTOR.....

Brake



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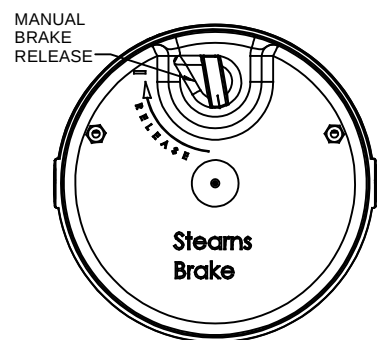
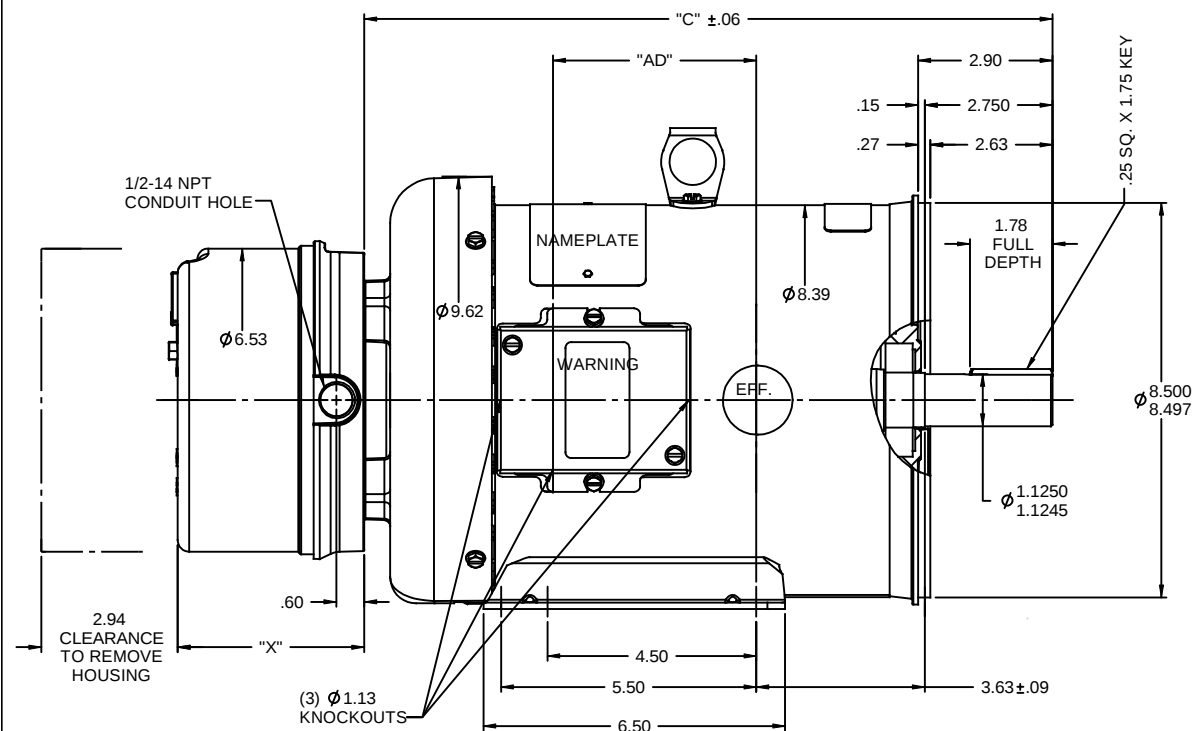


Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	7.8/3.9 A	Speed	1770 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	K	Frame	182TC
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		

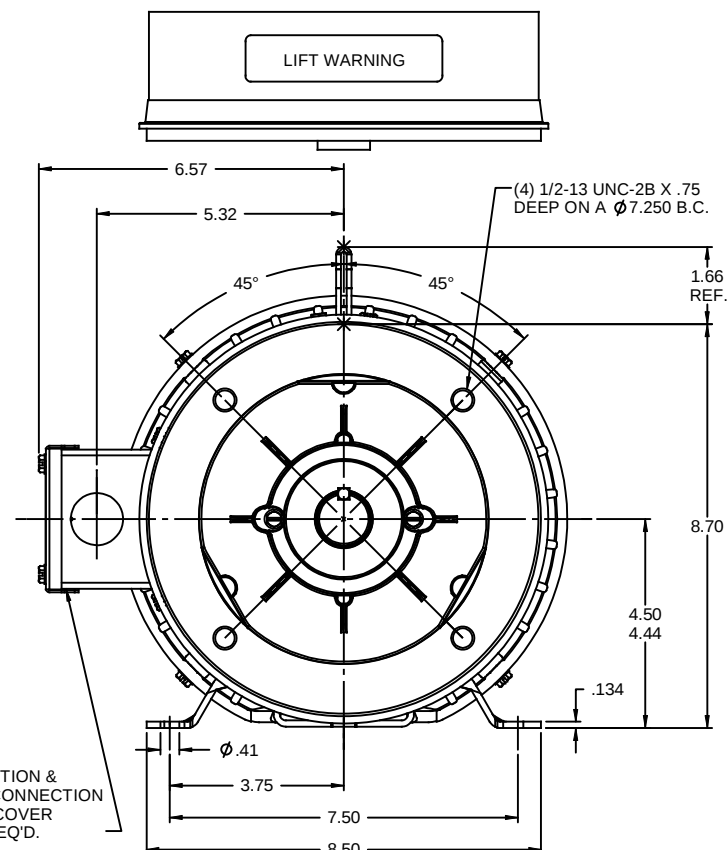
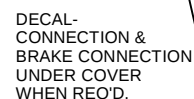
Technical Specifications

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	15.82 in	Frame Length	9.50 in
Shaft Diameter	1.125 in	Shaft Extension	2.75 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	035519-950	Connection Diagram	005010.01



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

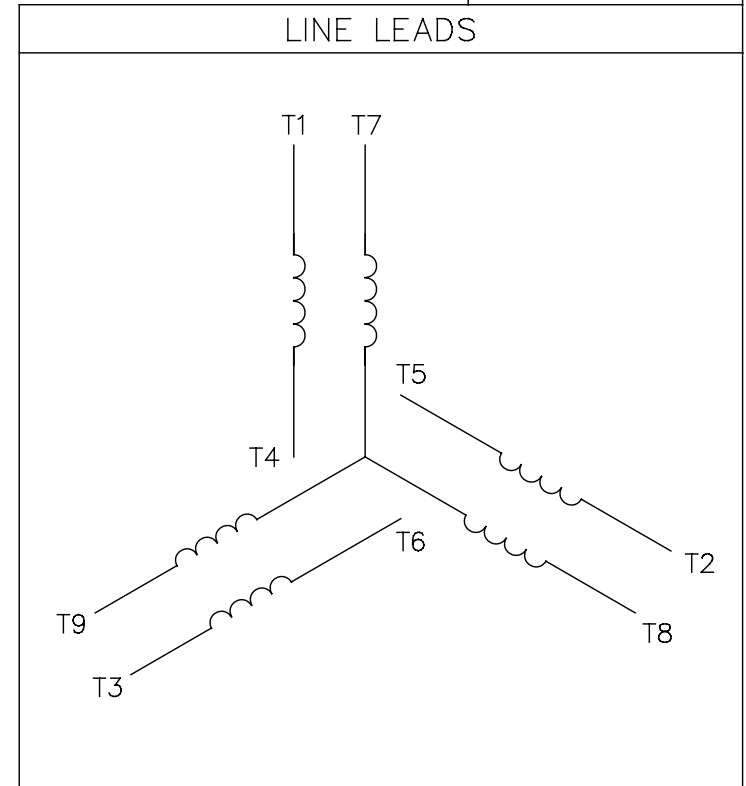
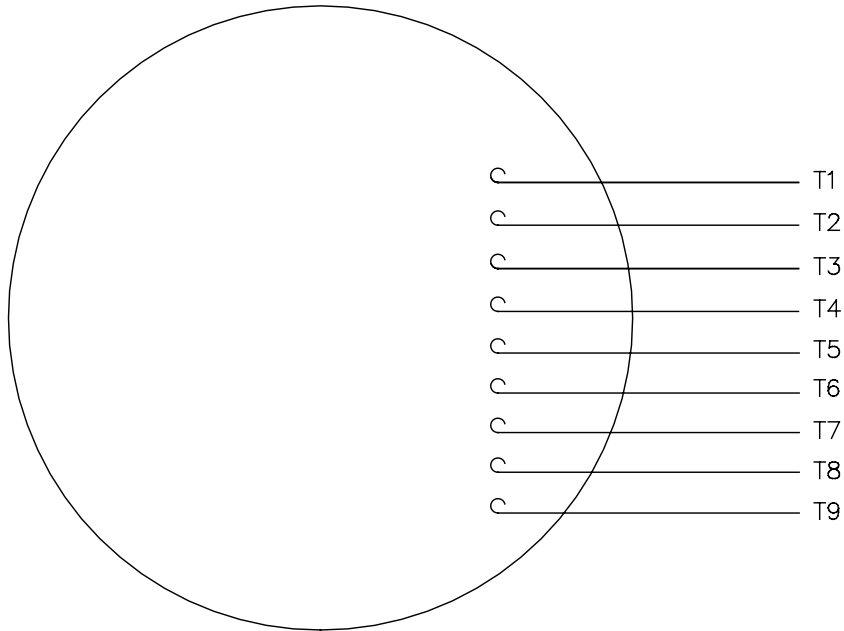


GASKETS THROUGHOUT
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.
BASE & C-FACE MOUNTING TAPS TO BE SQUARE AND
PARALLEL TO EACH OTHER + 1/32" MAX.

					TOLERANCES UNLESS SPECIFIED:	 REGAL-BELOIT CORPORATION		DRAWN LST 11/8/09
				DEC	INCHES			CHK
				X	+/- .1			APPR
				XX	+/- .03	TITLE OUTLINE - 180T FRAME		SCALE 3:8
				XXX	+/- .005	TEFC - RIGID "C"		REF
-	REDRAWN IN SOLIDWORKS			LST 11/9/2009	XX XXXX	+0.005	MATL	FMF
NO	REVISION			BY & DATE	CHK ANG +/-2°	FINISH	PAGE OF	
THIRD ANGLE PROJECTION 					RFP	PREV	SIZE B	DRAWING NO 035519
					NETWORK FILE NAME			

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.			DRAWN RDW 04/12/02					
				DEC.	INCHES				CHK					
				.X	±.1				APPD					
				.XX	±.01				SCALE 1=1					
				.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR			REF FIG.2-51					
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005				MAT'L DECAL - 004014			FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH			PREV					
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP		04/12/02		CAD FILE		00501001		SIZE	DRAWING NO.		REV.
			DIST		BRF-NLV						A	005010-01		A

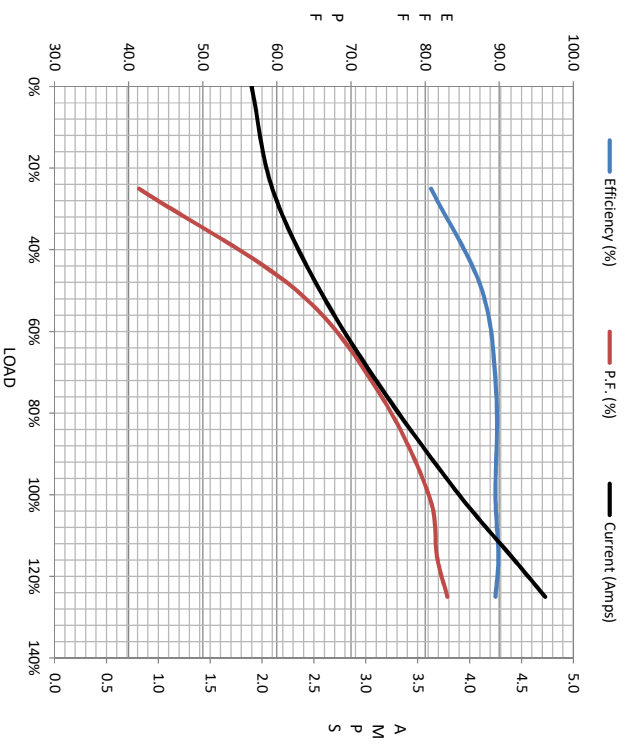


Data@ 460 V

Motor Load Data									
	0%	25%	50%	75%	100%	115%	125%	LR	
Load									
Current (amps)	1.90	2.10	2.56	3.2	3.9	4.4	4.7	33.5	
Torque (ft-lb)	0.00	2.20	4.4	6.6	8.9	10.3	11.2	22.5	
RPM	1800	1792	1785	1777	1770	1,766	1755	0	
Efficiency (%)		80.8	87.7	89.6	89.5	89.9	89.5		
P.F. (%)	6.9	41.4	62.7	73.8	80.5	81.6	83.0	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	900	1656	1770	1800		
Current (amps)	33.5	33.0	21.5	3.9	1.90	HP	3.0
Torque (ft-lb)	22.5	21.0	36.0	8.9	0.00	Sync. RPM	1800



Information Block				
HP			3.0	
Sync. RPM			1800	
Frame			182	
Enclosure			TEFC	
Construction			TFW	
Voltage			230/460 V	
Frequency			60 Hz	
Design			B	
LR Code letter			K	
Service Factor			1.15	
Temp Rise @ FL			40 °C	
Duty			CONT	
Ambient			40 °C	
Elevation			1,000 feet	
Rotor/Shaft wk²			0.38 Lb-Ft²	
Ref Wdg	T84174 FR			
Sound Pressure @ 1M	0		dBA	
VFD Rating	NONE			
Outline Dwg	035519-950			
Conn. Diag	005010.01			
Additional Specifications:				
0				
0				
EQUIV CKT (CHMS./PHASE)				
R1	R2	X1	X2	Xm
0.0000		0.0000	0.0000	0.0000

