

PRODUCT INFORMATION PACKET

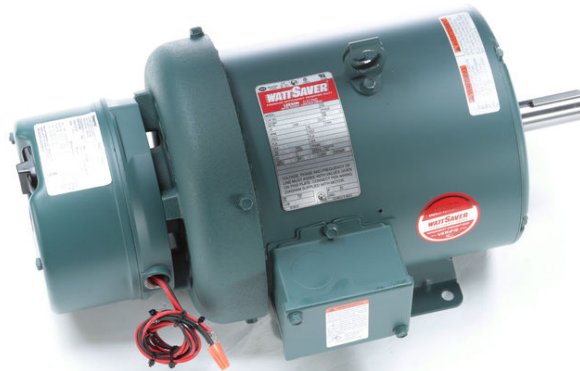


Model No: C182T17FB59A

Catalog No: 132475.00

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

Brake



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REGAL

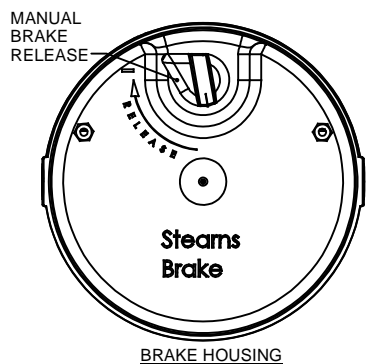
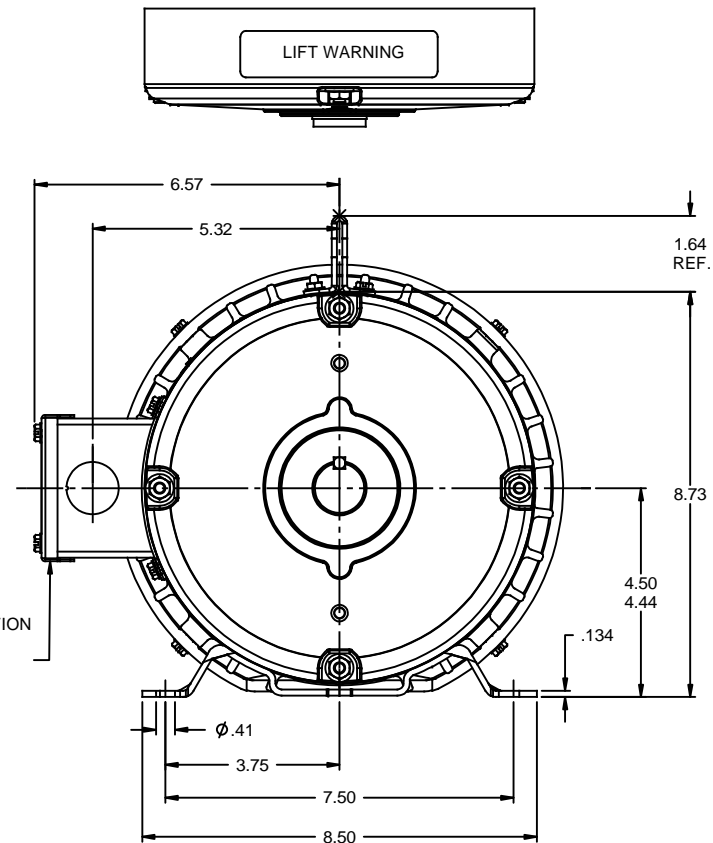
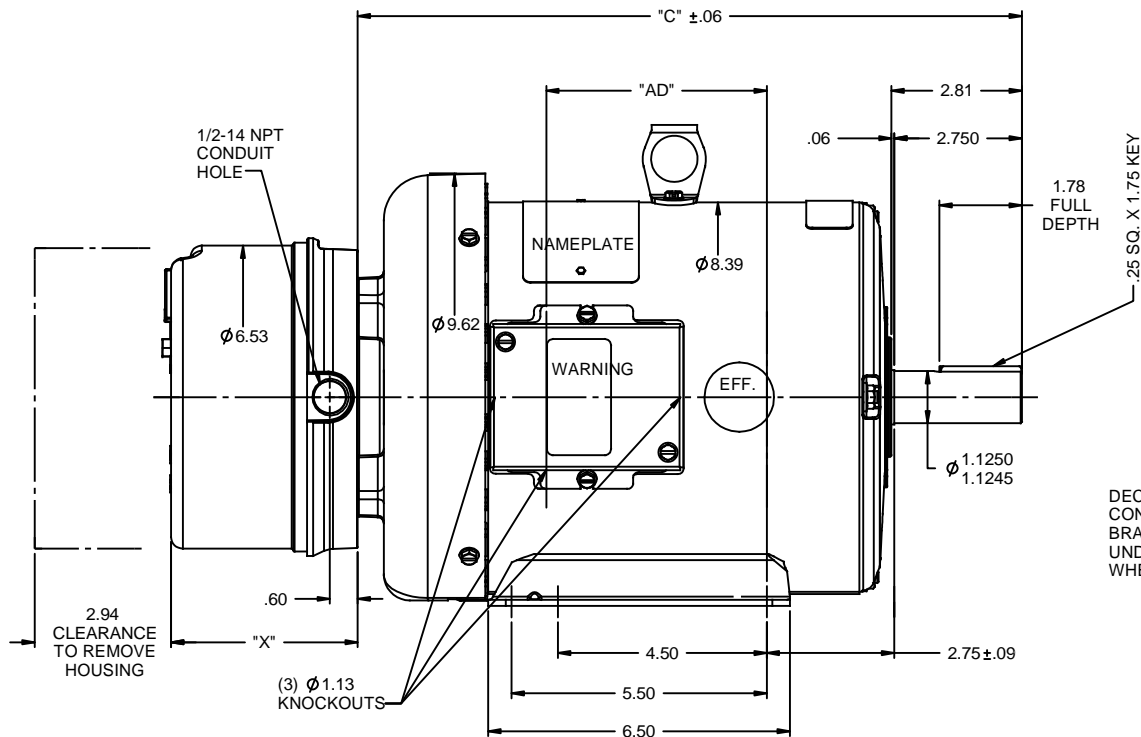


Nameplate Specifications

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	182T
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


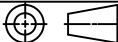
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	14.82 in	Frame Length	8.50 in
Shaft Diameter	1.125 in	Shaft Extension	2.75 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	035517-850	Connection Diagram	005010.15



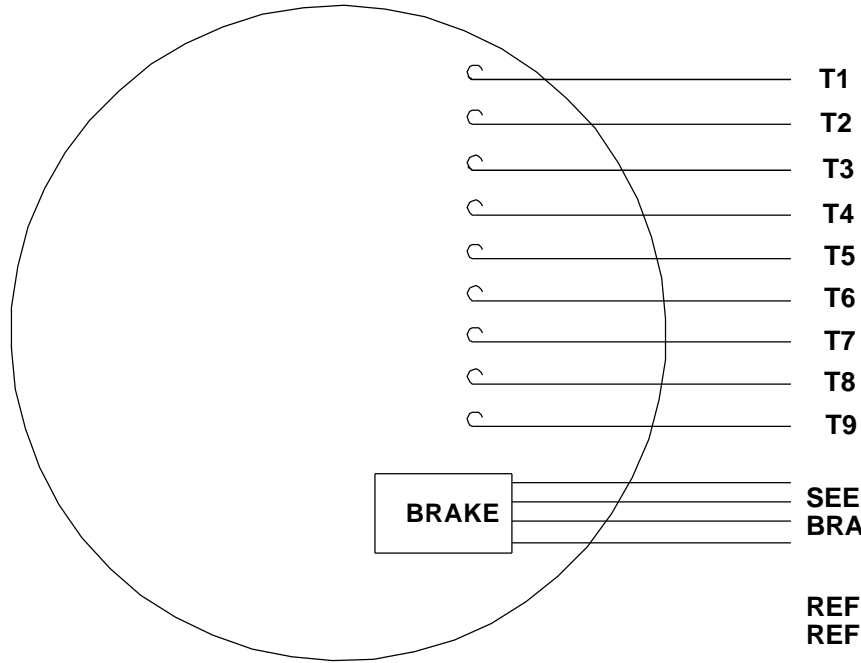
BRAKE TORQUE	"X"
15 FT-LB	4.00
20 FT-LB	4.46
25 FT-LB	4.46

DASH NO.	"C"	"AD"
800	14.32	4.75
850	14.82	5.25
900	15.32	5.75
950	15.82	6.25
1000	16.32	6.75
1050	16.82	7.25
1100	17.32	7.75
1150	17.82	8.25

GASKETS THROUGHOUT
MINIMUM FRAME LENGTH SHOULD BE 8.00"

				TOLERANCES UNLESS SPECIFIED	 REGAL-BELOIT CORPORATION	DRAWN RDW 4/18/07
				DEC INCHES		CHK
				X $\pm .1$	TITLE OUTLINE - 180T FRAME TEFC- RIGID BRAKE MOTOR	APPR SW 4/18/07
				.XX $\pm .03$		SCALE 3:8
				.XXX $\pm .005$		REF OL131613
- REDRAWN ON SOLIDWORKS				XX .XXX $\pm .0005$		FMF
NO	REVISION	BY & DATE	CHK	ANG $\pm 1/2^\circ$	FINISH	PAGE OF
			RFP		PREV	
THIRD ANGLE PROJECTION 				NETWORK FILE NAME	SIZE B	DRAWING NO 035517
						REV -

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

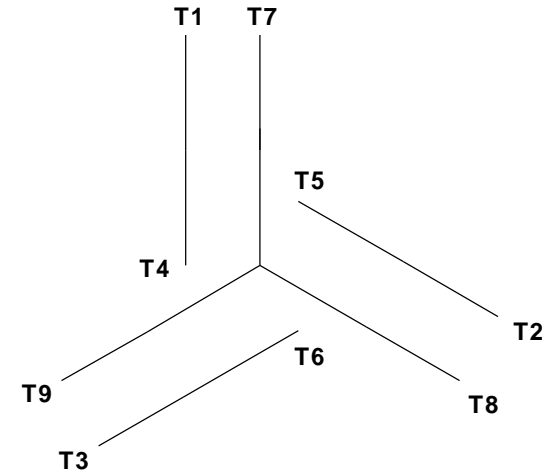


CAUTION:
LEAD WIRE INSULATION TO EXTEND
MINIMUM OF 1/4" INTO CONNECTOR
INSULATION

**SEE TABLE FOR
BRAKE CONNECTIONS**

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

LINE LEADS


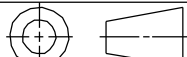


VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4, T7) (T5, T8) (T6, T9)
LOW	T1, T7	T2, T8	T3, T9	T4, T5, T6

TYPE "T" W/O PROTECTOR

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

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				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	
<div>THIRD ANGLE PROJECTION</div> 			RFP		PREV		SIZE	DRAWING NO	REV
			NETWORK FILE NAME 00501015				A	005010-15	--



1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.15

OUTLINE: 035517-850

WINDING #: T84174 FR 3

MOUNTING: F1/F2 CAPABLE

CATALOG #: 132475.00

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	1800	1770	182T	TEFC	K	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	7.8/3.9	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	89.5	3/4 LOAD EFF:	89.6	1/2 LOAD EFF:	87.7	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	80.5	3/4 LOAD PF:	73.8	1/2 LOAD PF:	62.7	0	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
8.914 LB-FT	67 / 33.5	22.5 LB-FT	253 %	36 LB-FT 404 %	39

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 DBA	10 DBA	0.383 LB-FT^2	0 LB-FT^2	10 SEC.	0	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	BRAKE	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GREEN - LEESON WATTSaver

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	NONE	ROLLED STEEL
6206	6205						

THERMO-PROTECTORS				THERMISTORS			SPACE HEATERS	
THERMOSTATS		PROTECTORS	WDG RTDs	BRG RTDs				
NONE		NOT	NONE	NONE	NONE		NONE	VOLTS

* INVERTER TORQUE: NONE								
INV. HP SPEED RANGE: NONE								

ENCODER: NONE								
NONE			NONE			NONE		
NONE			NONE			PPR		

BRAKE: REGAL SUPPLIED AND MOUNT								
NONE								
STEARN'S P/N 004225.62								
56,000			NEMA 2					
15 FT-LB			230/460-190/380			V 60/50 HZ		

Data Sheet

Date: 1/17/2018

132475.00



Data @ 460 V

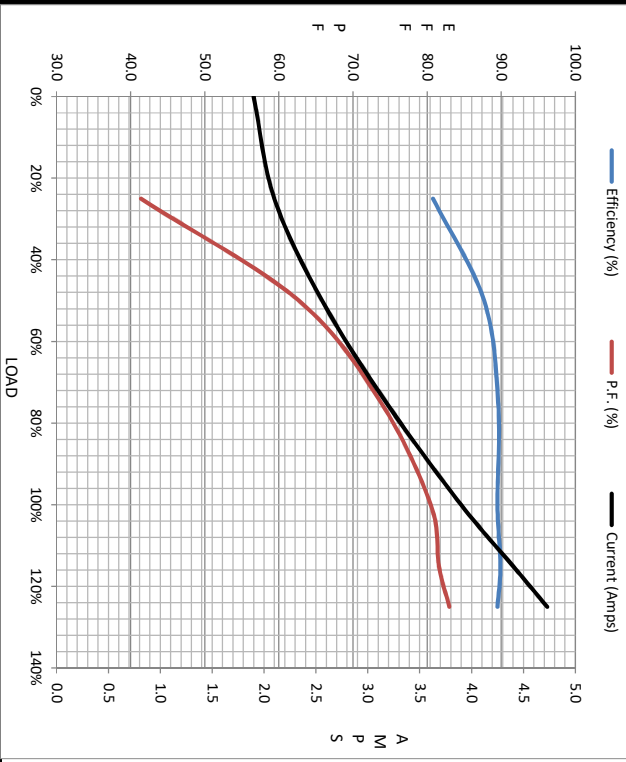
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
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
Speed (RPM)	0	900	1656	1770	1800
Current (Amps)	33.5	33.0	21.5	3.9	1.90
Torque (ft-lb)	22.5	21.0	36.0	8.9	0.00

Information Block	
HP	3.0
Sync. RPM	1800



Efficiency (%)	P.F. (%)	Current (Amps)
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Speed -Torque Curve

