

PRODUCT INFORMATION PACKET



Model No: C182T34WK1A

Catalog No: 132199.00

..3HP..3505RPM.182TC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID
C.C182T34WK1A.....WASHGUARD.NOT.....

General Purpose



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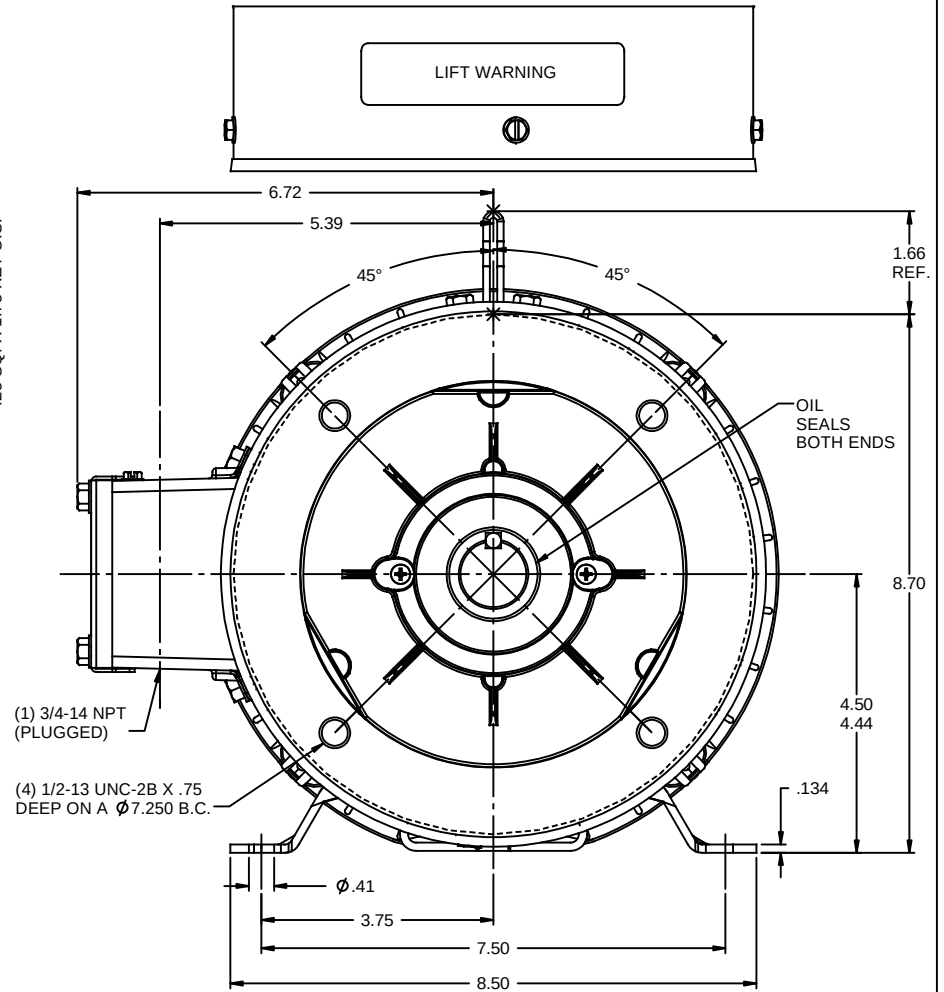
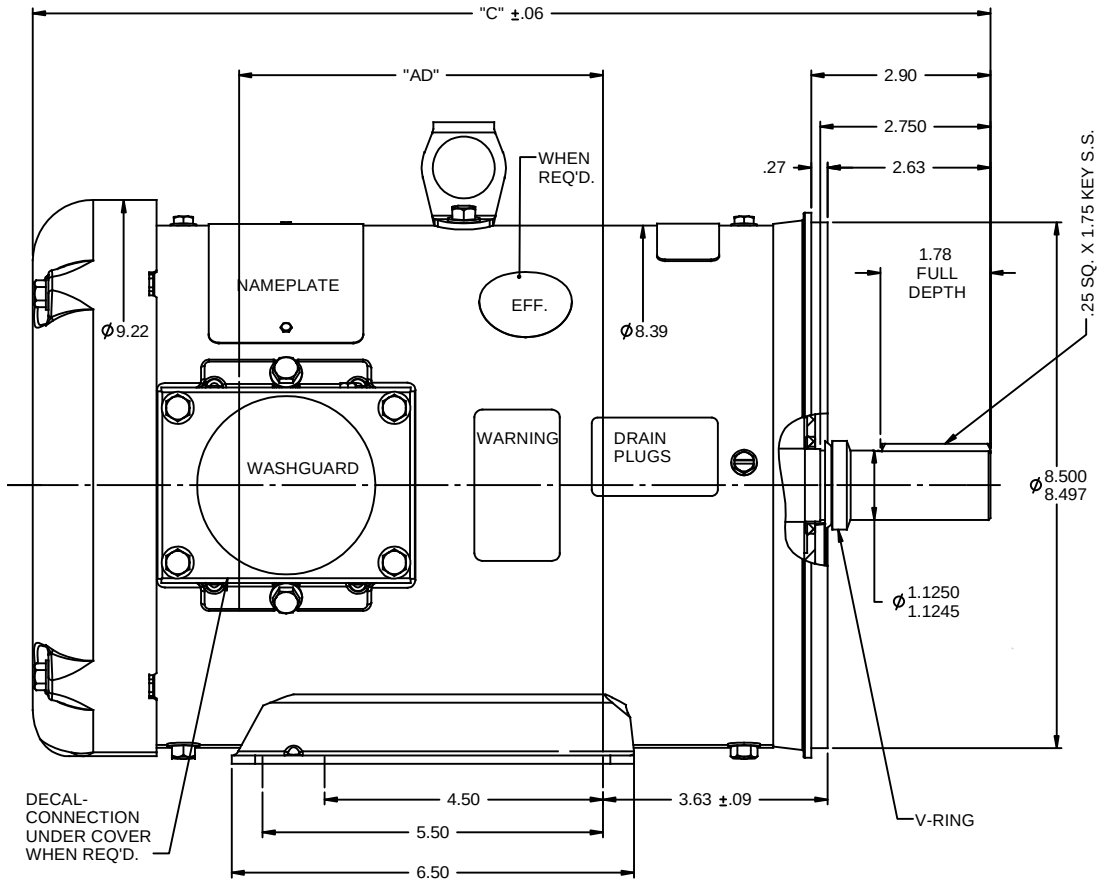
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	8.2-7.6/3.8 A	Speed	3515 rpm
Service Factor	1.25	Phase	3
Efficiency	86.5 %	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	6207
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	55		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	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	14.97 in	Frame Length	9.50 in
Shaft Diameter	1.125 in	Shaft Extension	2.75 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	035462-950	Connection Diagram	005010.01

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SPECIAL FEATURES:

SHAFT SEALS & V-RING
DRAIN HOLES IN FRAME & CONDUIT BOX
STAINLESS STEEL SHAFT, HARDWARE & NAMEPLATE
GASKETS THROUGHOUT

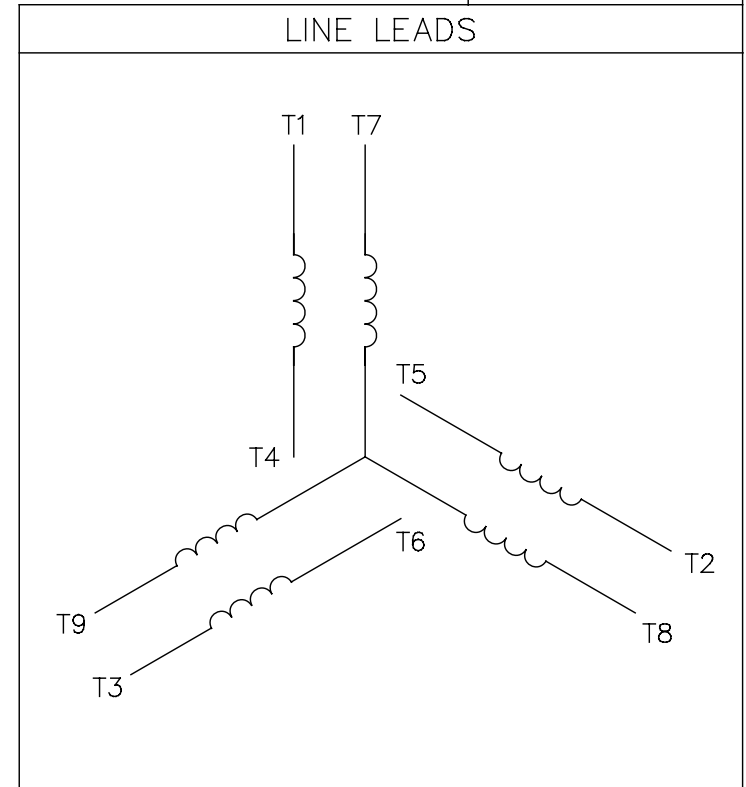
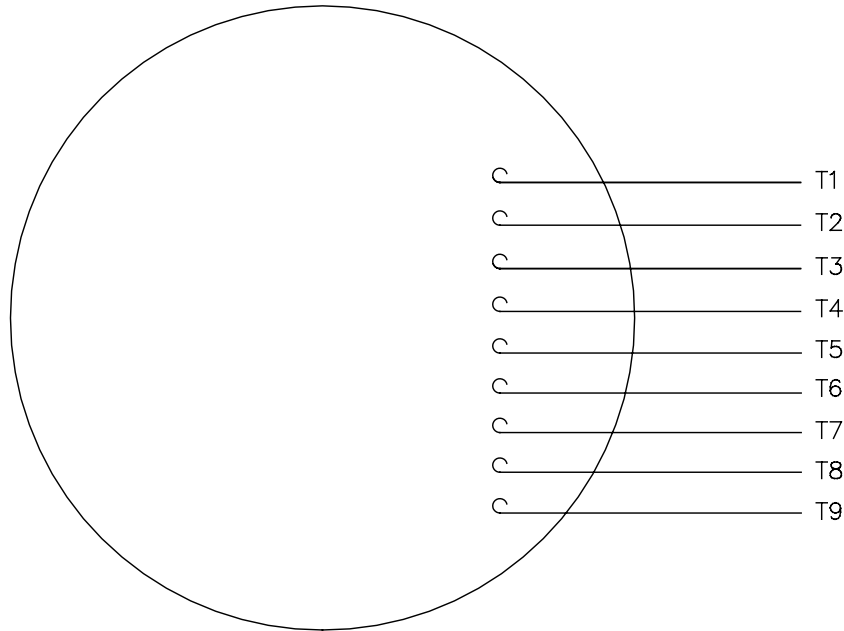
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

DASH NO.	"C"	"AD"
900	14.47	4.87
950	14.97	5.37
1000	15.47	5.87
1050	15.97	6.37
1100	16.47	6.87
1150	16.97	7.37

				TOLERANCES UNLESS SPECIFIED		DRAWN RDW 2/19/03
				DEC INCHES		
				X ±.1		CHK
04	UPDATED PER ISAAC 11-0758	LST 2/17/2011	XX XX ±.03		TITLE OUTLINE - 180TC FRAME TEFC - RIGID "C" MATL WASHGUARD	APPR SW 2/19/03
03	UPDATED PER ISAAC 10-0580	LST 5/12/2010	XX XXX ±.005			SCALE 1:2
-	UPDATED & REDRAWN IN SOLIDWORKS	LST 11/17/2009	XX XXXX ±.0005			REF
NO	REVISION	BY & DATE	CHK ANG ±1/2°	FINISH		PAGE OF
			RFP	PREV		
			NETWORK FILE NAME 035462		SIZE B	DRAWING NO 035462
						REV 04

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		
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 Sheet

Date: 1/22/2018

132199.00



Data @ 460 V

Motor Load Data

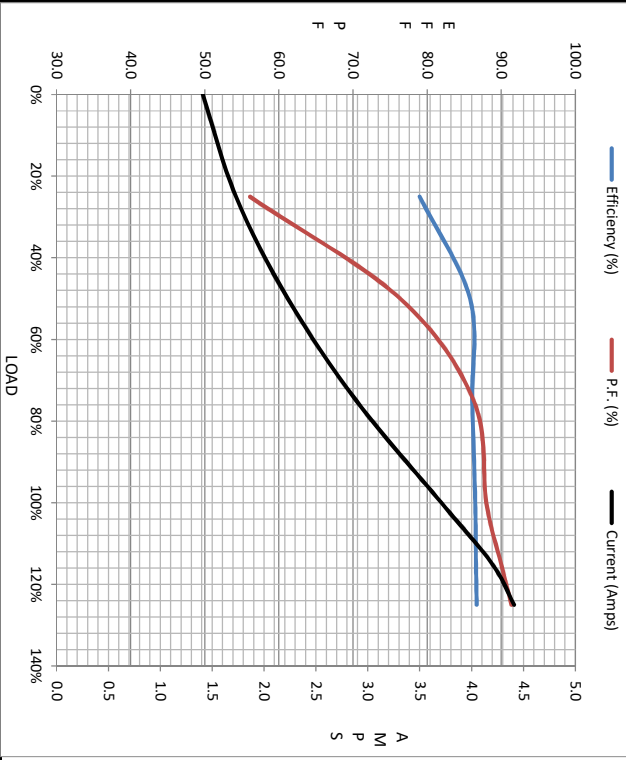
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.41	1.73	2.23	2.89	3.7	4.2	4.4	34.0
Torque (ft-lb)	0.00	1.20	2.30	3.4	4.5	5.2	5.6	12.0
RPM	3600	3580	3562	3542	3521	3510	3498	0
Efficiency (%)		79.0	85.8	86.1	86.5	86.6	86.7	
P.F. (%)	17.3	56.1	76.4	86.3	88.0	90.0	91.4	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	2700	3521	3600
Current (Amps)	34.0	31.3	20.4	3.7	1.41
Torque (ft-lb)	12.0	11.5	16.5	4.5	0.00

Information Block

HP	3.0
Sync. RPM	3600
Frame	180
Enclosure	TEFC
Construction	TFW
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	A
LR Code letter	K
Service Factor	1.15
Temp Rise @ FL	45 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk²	0.33 Lb-Ft²
Rel Wdg	T8290 FR
Sound Pressure @ 1M	79 dBA
VFD Rating	NONE
Outline Dwg	035462-950
Conn. Diag	005010.01
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	0.0000



Speed -Torque Curve

