PRODUCT INFORMATION PACKET

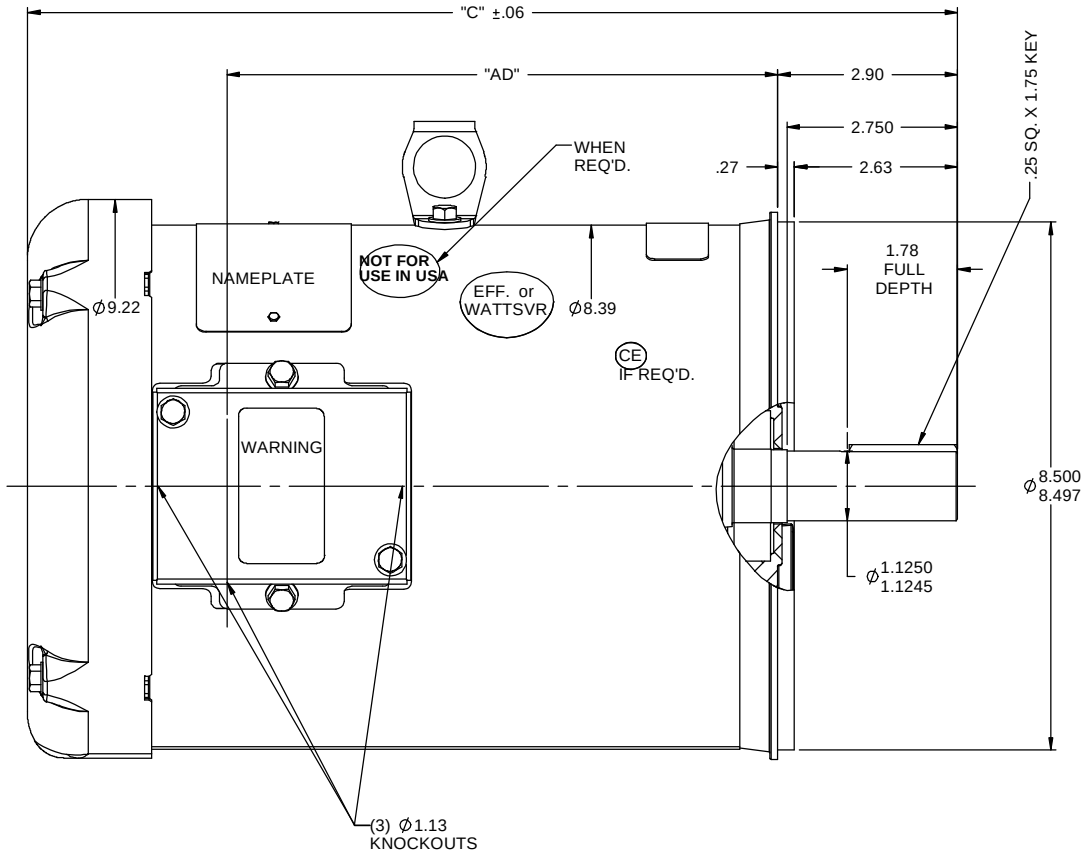
Model No: 132433.00
Catalog No: 132433.00
P..3600RPM.182TC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.C FACE.C182T34FC7A.....GENERAL PURPOSE...
General Purpose Motors

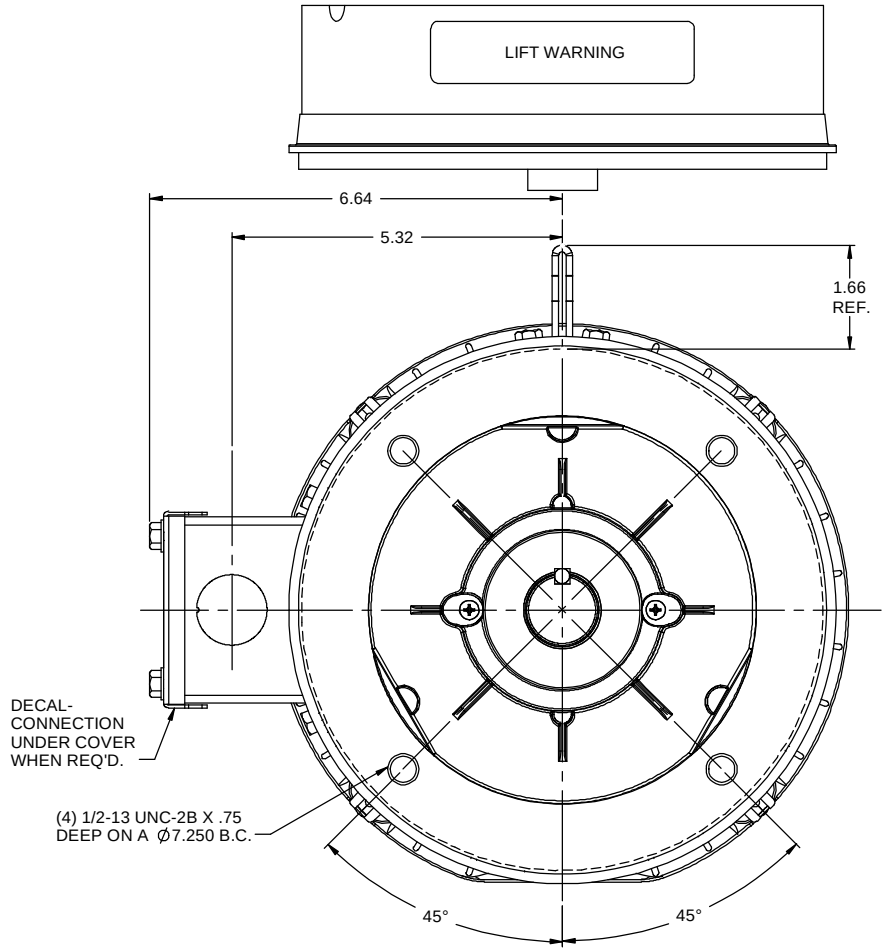
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	8.4-7.8/3.9 A	Speed	3510 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	83.7
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Frame	182TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	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
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	3.97 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	12.97 in
Frame Length	7.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	035518-750	Connection Drawing	005010.01





DASH NO.	"C"	"AD"
750	12.97	6.88
800	13.47	7.38
850	13.97	7.88
900	14.47	8.38
950	14.97	8.88
1000	15.47	9.38
1050	15.97	9.88
1100	16.47	10.38
1150	16.97	10.88

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.

NO	REVISION	BY & DATE	CHK
-	UPDATED & REDRAWN IN SOLIDWORKS	LST 12/17/2009	XX

TOLERANCES UNLESS SPECIFIED
DEC INCHES
.X ±.1
.XX ±.03
.XXX ±.005
.XXXX ±.0005
ANG ±1/2°

THIRD ANGLE PROJECTION

REGAL-BELOIT CORPORATION

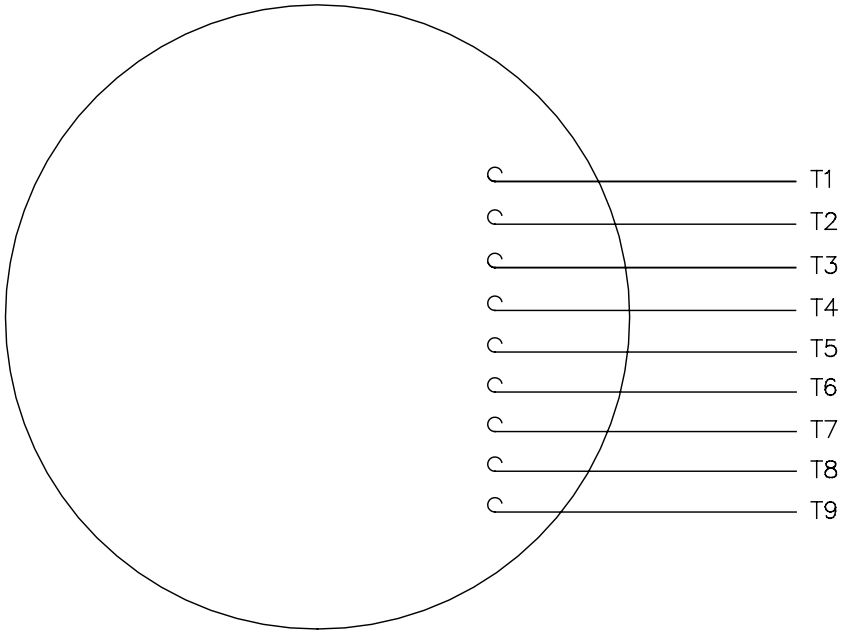
TITLE OUTLINE - 180TC FRAME
TEFC - "C" FACE
MAT'L GENERAL PURPOSE
FINISH
RFP
PREV
NETWORK FILE NAME

DRAWN RDW 4/18/07
CHK
APPR SW 4/18/07
SCALE 1:2
REF 035452
FMF
PAGE OF

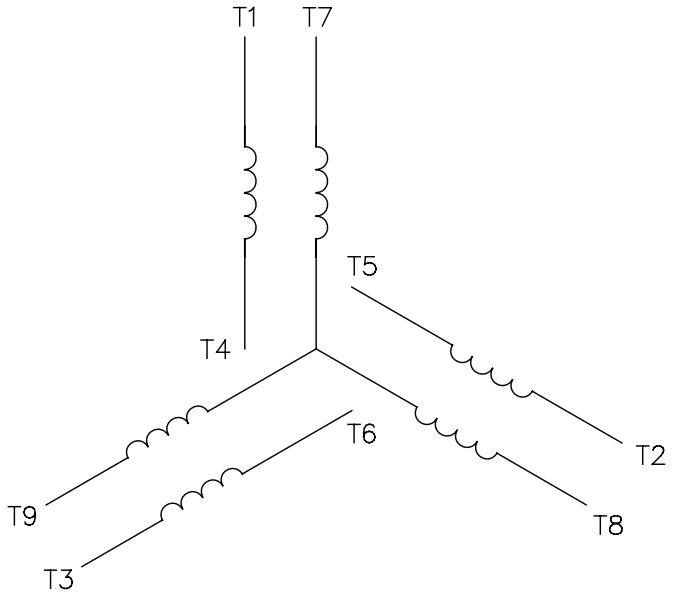
SIZE B
DRAWING NO 035518
REV -

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

NO.	REVISION	BY & DATE	CHK
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

REGAL™ Regal Beloit America, Inc.

TITLE: EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR

MAT'L. DECAL – 004014

FINISH

CAD FILE 00501001

RFP 04/12/02

DIST BRF-NLV

DRAWN RDW 04/12/02 | CHK | APPD | SCALE 1=1 | REF FIG.2-51 | FMF | PREV

SIZE A | DRAWING NO. 005010-01 | REV. A

Data Sheet

Date: 1/31/2018

132433.00

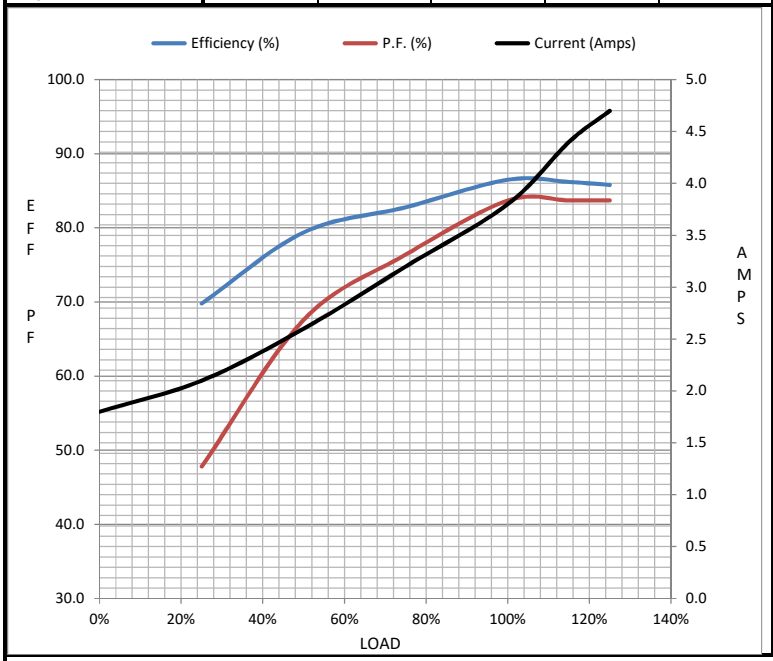
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.80	2.10	2.60	3.2	3.8	4.4	4.7	33.0	
Torque (ft-lb)	0.00	1.10	2.20	3.3	4.5	4.8	5.2	11.0	
RPM	3600	3578	3559	3539	3510	3,505	3500	0	
Efficiency (%)		69.8	79.4	82.8	86.5	86.2	85.8		
P.F. (%)	13.9	47.8	67.6	76.4	83.7	83.7	83.7	49.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2800	3510	3600
Current (Amps)	33.0	32.0	21.7	3.8	1.80
Torque (ft-lb)	11.0	9.5	18.2	4.5	0.00



Information Block

HP	3.0	
Sync. RPM	3600	
Frame	180	
Enclosure	TEFC	
Construction	TFW	
Voltage	208-230/460	V
Frequency	60	Hz
Design	B	
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	0.00	Lb-Ft²
Ref Wdg	T82102 FR	
Sound Pressure @ 1M	0	dBA
VFD Rating	NONE	
Outline Dwg	035518.750	
Conn. Diag	005010.01	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000

Speed -Torque Curve