PRODUCT INFORMATION PACKET

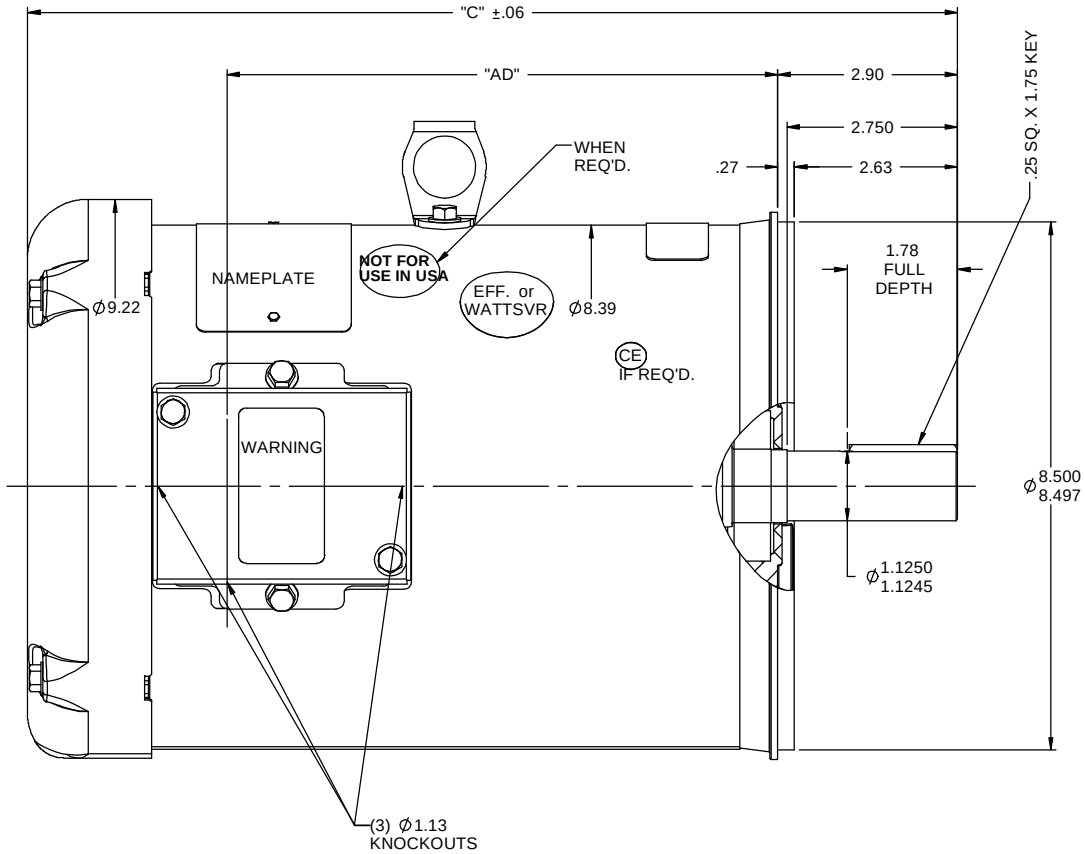
Model No: 132431.00
Catalog No: 132431.00
1.5HP..1200RPM.182TC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.C FACE.....GENERAL PURPOSE.....
General Purpose Motors

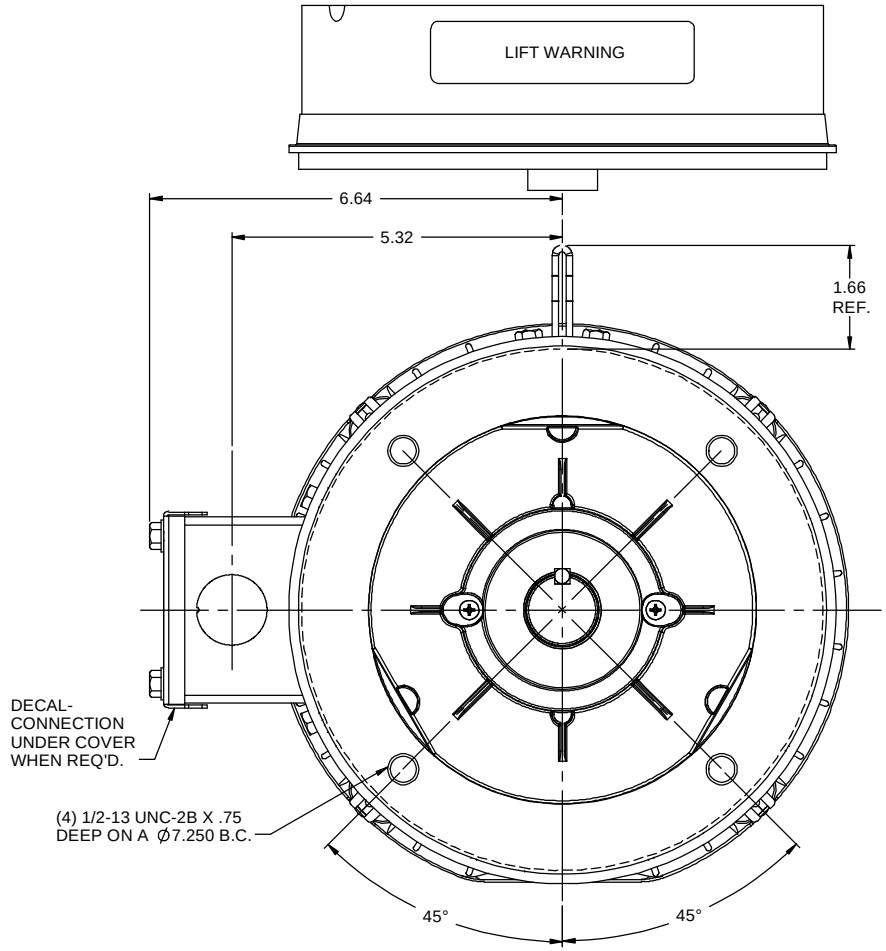
Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	5.6-5.2/2.6 A	Speed	1175 rpm
Service Factor	1.15	Phase	3
Efficiency	87.5 %	Power Factor	62
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	6	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	14.47 in
Frame Length	9.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	035518-900	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°
FINISH

REGAL-BELOIT CORPORATION

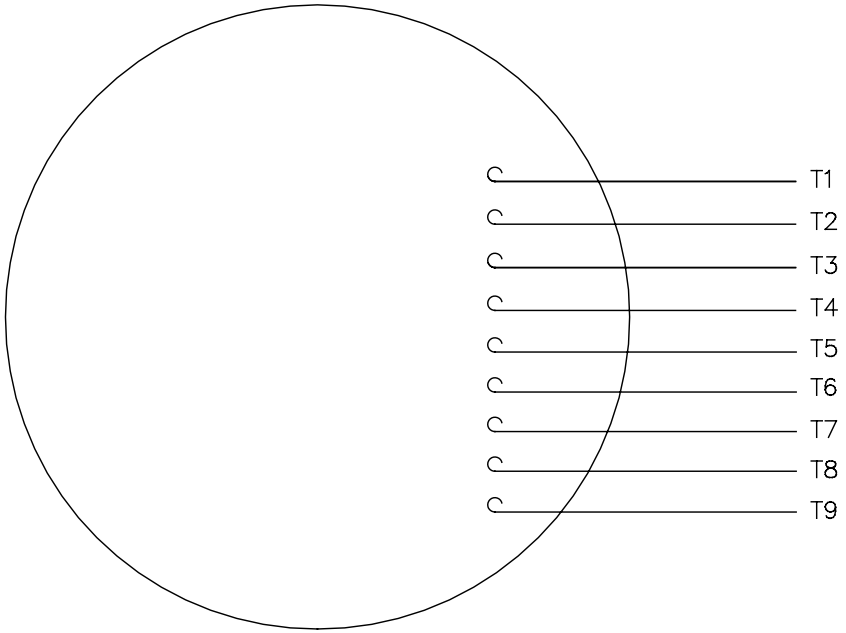
TITLE OUTLINE - 180TC FRAME
TEFC - "C" FACE
MAT'L GENERAL PURPOSE

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

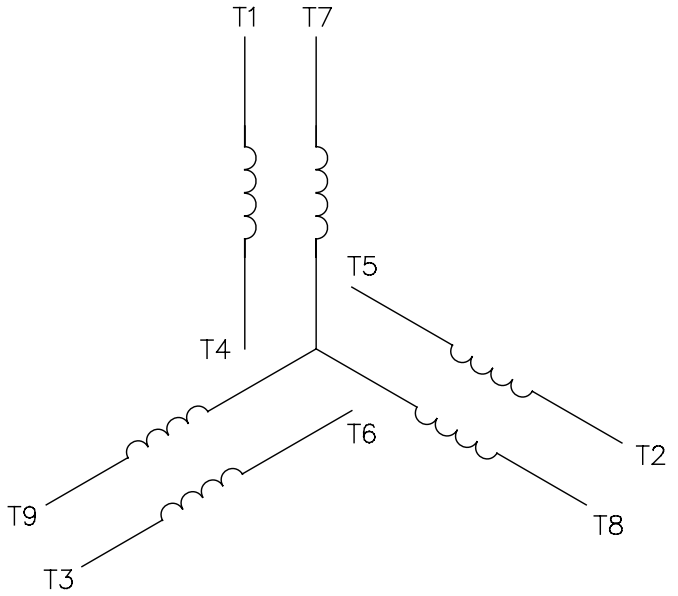
THIRD ANGLE PROJECTION
RFP
PREV
NETWORK FILE NAME
SIZE B
DRAWING NO 035518
REV -

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

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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01

OUTLINE: 035518-900

WINDING #: T8636 FR 3

CATALOG #: 132431.00

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	1200	1175	182TC	TEFC	K	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	208-230/460	5.6-5.2/2.6	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	87.5	3/4 LOAD EFF:	85.2	1/2 LOAD EFF:	82.8	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	62	3/4 LOAD PF:	55.2	1/2 LOAD PF:	40.3	85.5	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6.705 LB-FT	30.4 / 15.2	10.97 LB-FT 163 %	22.5 LB-FT 335 %	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0.56 LB-FT^2	- LB-FT^2	10 SEC.	-	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	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	AISI 1045 (C-240)	ROLLED STEEL
6206	6205						

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

*****

N

O

T

E

S

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

Data Sheet

Date: 1/24/2018

LEESON

132431.00

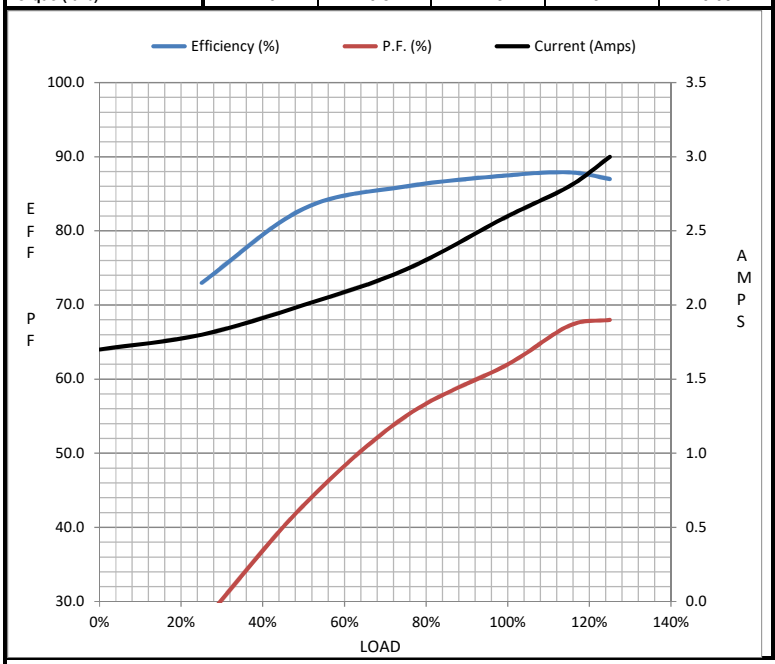
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.70	1.80	2.00	2.24	2.60	2.80	3.0	15.2	
Torque (ft-lb)	0.00	1.65	3.3	5.0	6.7	7.8	8.5	11.0	
RPM	1200	1195	1190	1185	1175	1,175	1170	0	
Efficiency (%)		73.0	83.0	86.0	87.5	87.9	87.0		
P.F. (%)	8.0	27.0	43.0	55.0	62.0	67.2	68.0	38.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1043	1175	1200
Current (Amps)	15.2	14.9	7.4	2.60	1.70
Torque (ft-lb)	11.0	10.8	22.5	6.7	0.00



Information Block

HP	1.5	
Sync. RPM	1200	
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	35	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.56	Lb-Ft²
Ref Wdg	T8636 FR	
Sound Pressure @ 1M	0	dBA
VFD Rating	NONE	
Outline Dwg	035518-900	
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