PRODUCT INFORMATION PACKET

Model No: 132079.00
Catalog No: 132079.00
General Purpose Motor, 3 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 182TC Frame, TEFC

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Nameplate Specifications

Phase	3	Output HP	3 & 3 Hp
Output KW	2.2 & 2.2 kW	Voltage	230/460 & 190/380 V
Speed	3515 & 2885 rpm	Service Factor	1.25 & 1.25
Frame	182TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Automatic	Efficiency	86.5 & 84 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	8.2-7.6/3.8 & 9/4.5 A	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	N	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	3.76 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	14.47 in
Frame Length	9.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005010.20	Outline Drawing	035453-900

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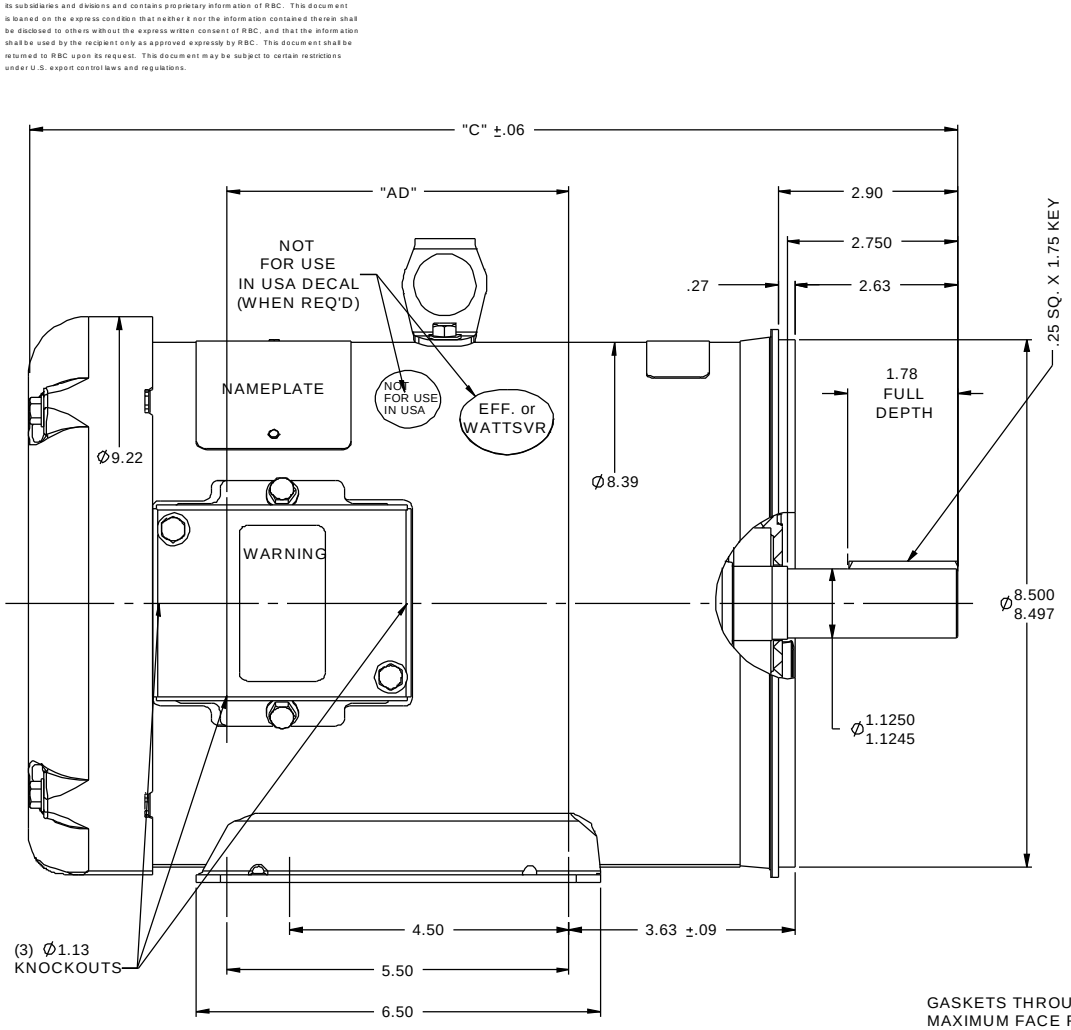

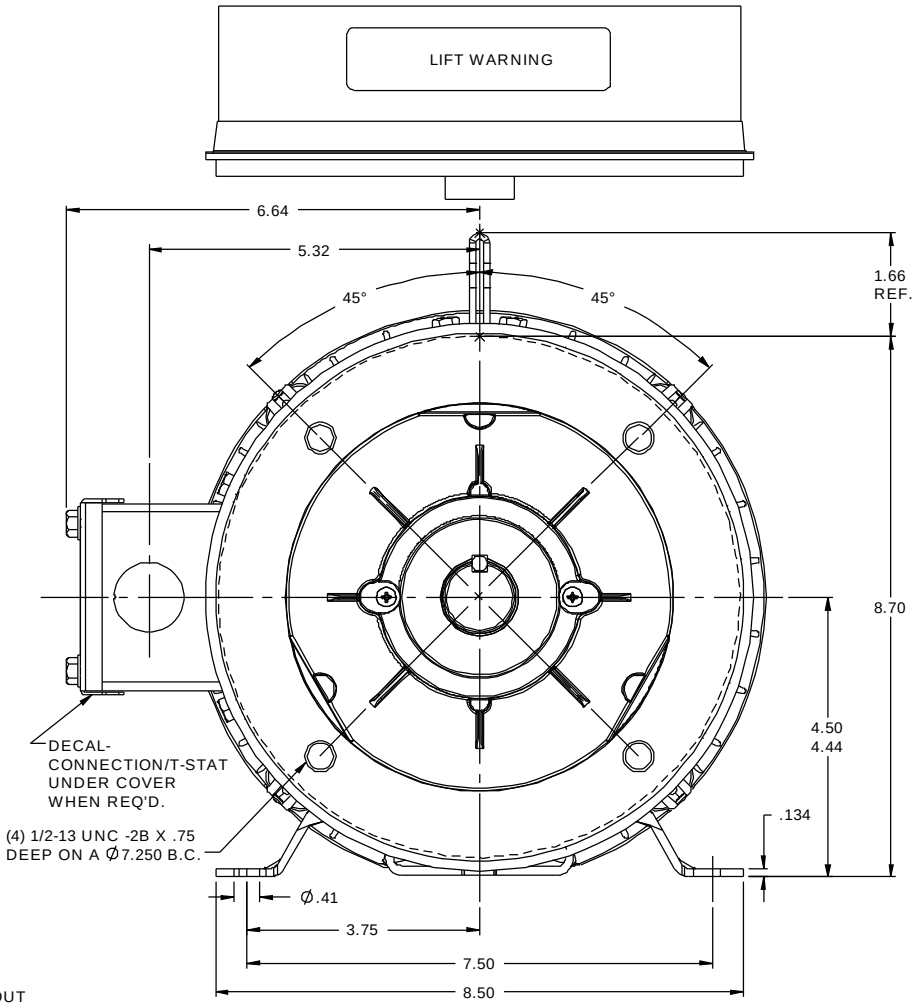

GASKETS THROUGHOUT
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

DASH NO.	"C"	"AD"
850	13.97	4.50
900	14.47	5.00
950	14.97	5.50
1000	15.47	6.00
1050	15.97	6.50
1100	16.47	7.00
1150	16.97	7.50

NO	REVISION	BY & DATE	CHK
1	ADDED DECAL NOT FOR USE IN USA	GR 06/04/12	JD
-	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

DRAWN RDW 1/21/03
CHK
APPR SW 1/21/03
SCALE 1:2
REF 035346
FMF
PAGE OF

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

SIZE B
DRAWING NO 035453
REV 1

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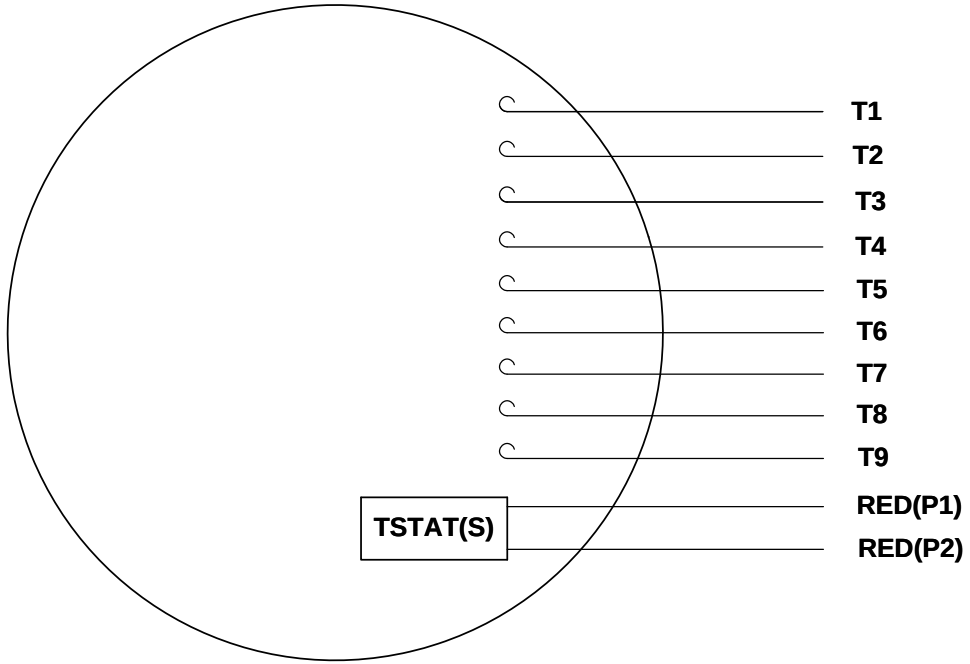
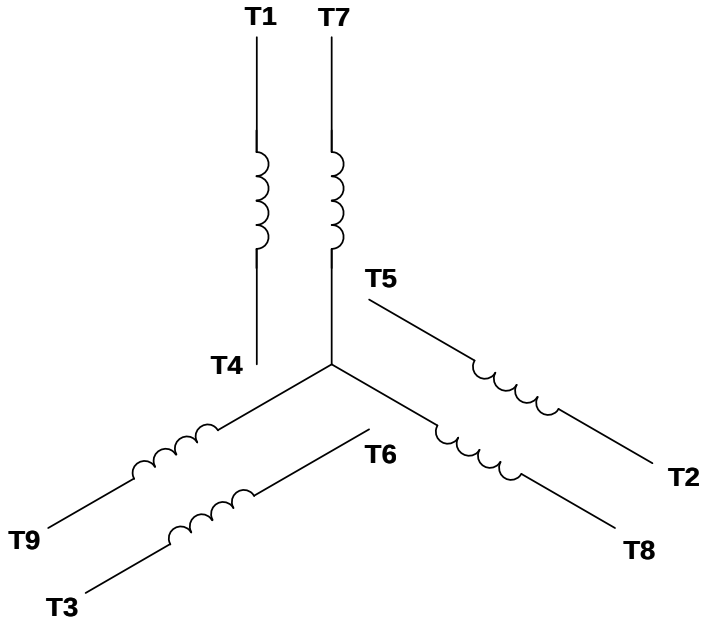
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

DRAWING REVISION: G	REVISION BY: MVG	DATE: 04/05/2017
ECO: ECO-0121253	APPROVED BY: SM	DATE: 04/05/2017
ECO DESCRIPTION: ADDED P1 & P2 FOR TSTAT		

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm SHOWN IN [BRACKETS]

DRAWN BY: DBT 12/16/97	
DATE	
APPROVED BY: KH 12/17/97	
DATE	
REFERENCE	
THIRD ANGLE PROJECTION	

REGAL™ Regal Beloit America, Inc.

DESCRIPTION: CONN DIAGRAM-EXTERNAL
3 PHASE WITH PROTECTOR

MATERIAL	PROCESS/FINISH
DECAL - 004014 (TSTAT) - 080582	STOCK

SIZE	DRAWING NUMBER	SHEET
A	00501020	1 OF 1

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LEESON

CERTIFICATION DATA SHEET

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

CATALOG #: 132079.00

CONN. DIAGRAM: 005010.20

OUTLINE: 035453-900

MOUNTING: F1/F2 CAPABLE

WINDING #: T8290 FR 3 C

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3&3	2.24&2.24	3600	3515&2885	182TC	TEFC	K	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	8.2-7.6/3.8&9/4.5	ACROSS THE LINE	CONTINUOUS	F4	1.25/1.25	40

FULL LOAD EFF:	86.5&84	3/4 LOAD EFF:	86.1	1/2 LOAD EFF:	85.8	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	88&89	3/4 LOAD PF:	86.3	1/2 LOAD PF:	76.4	0	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	68 / 34	12 LB-FT 267 %	16.5 LB-FT 367 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.33 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

***NOTES**

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

8/3/2018

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Data Sheet

Date: 3/5/2018

LEESON

132079.00

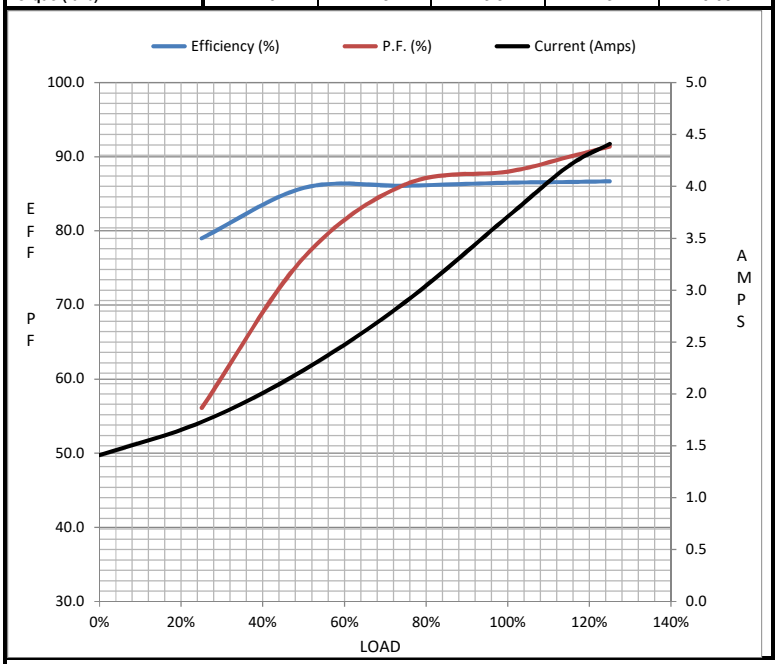
Data @ 460 V

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	3,510	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

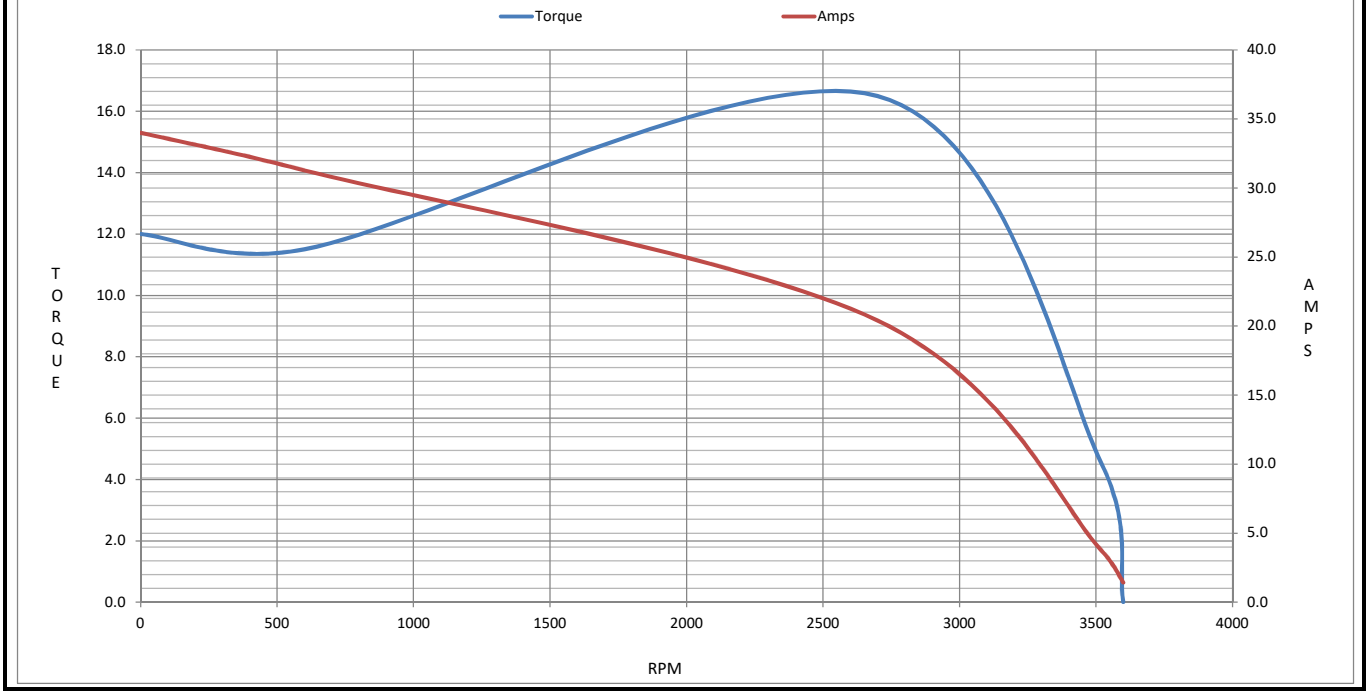
HP	3.0	
Sync. RPM	3600	
Frame	180	
Enclosure	TEFC	
Construction	TFW	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	A	
LR Code letter	K	
Service Factor	1.15	
Temp Rise @ FL	45	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.33	Lb-Ft²
Ref Wdg	FALSE FR	
Sound Pressure @ 1M	79	dBA
VFD Rating	NONE	
Outline Dwg	035453-900	
Conn. Diag	005010.20	

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