

PRODUCT INFORMATION PACKET



Model No: 131981.00

Catalog No: 131981.00

WATTSaver® General Purpose Motor, 2 & 1.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1200 & 1000 RPM, 184T Frame, TEFC



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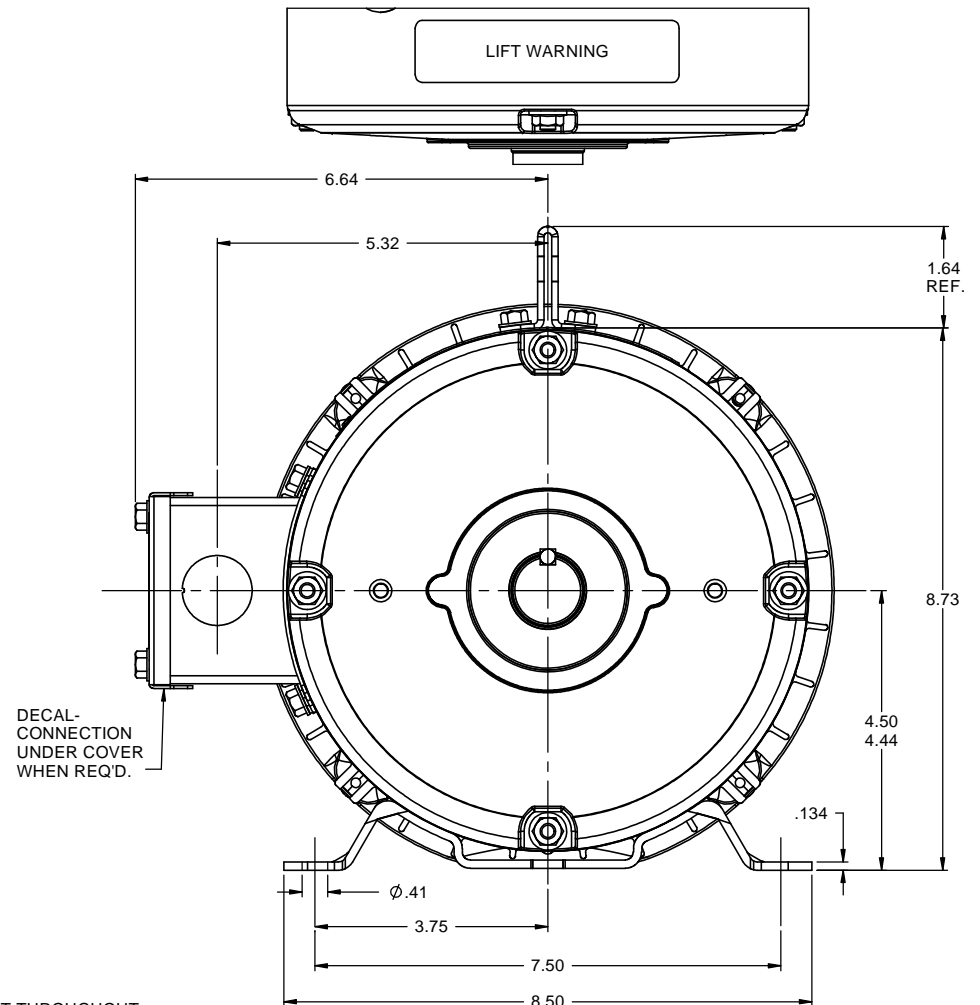
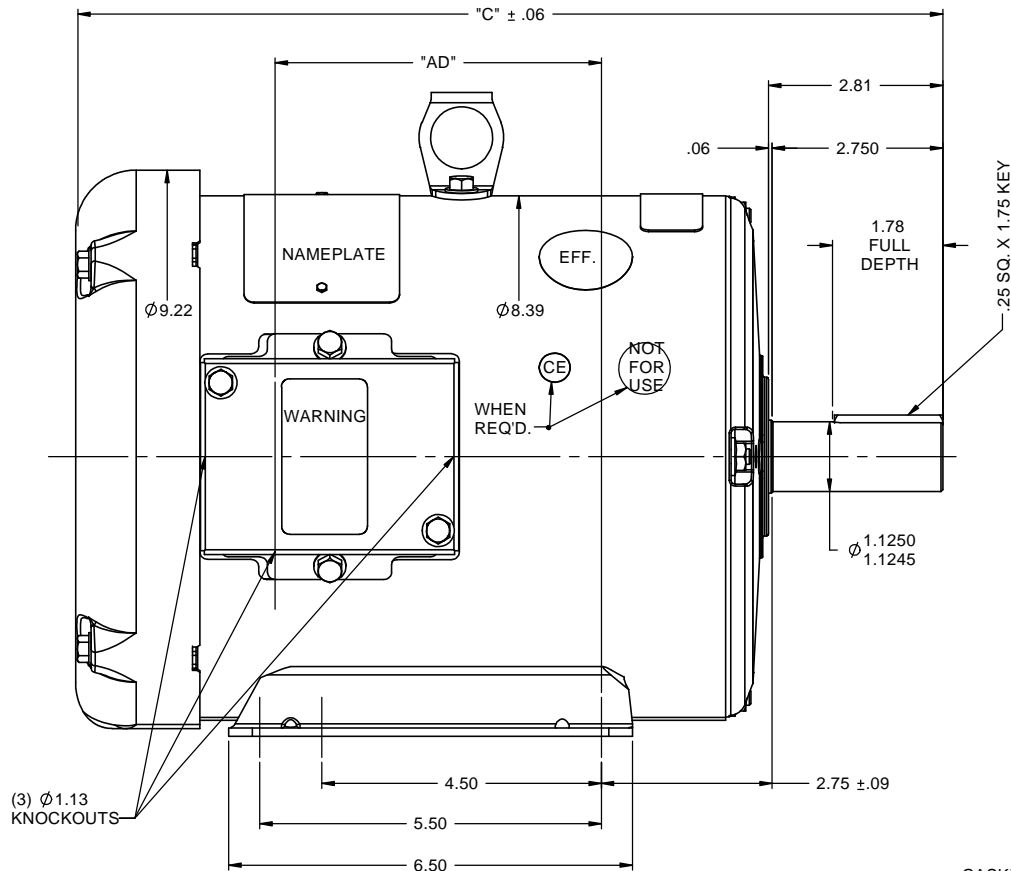
Nameplate Specifications

Phase	3	Output HP	2 & 1.50 Hp
Output KW	1.5 & 1.1 kW	Voltage	230/460 & 190/380 V
Speed	1176 & 975 rpm	Service Factor	1.15 & 1.15
Frame	184T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	88.5 & 85 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	6.4/3.2 & 7/3.5 A	Power Factor	66.5
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	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	5.4 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	14.96 in
Frame Length	9.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035465-950	Connection Drawing	005010.20

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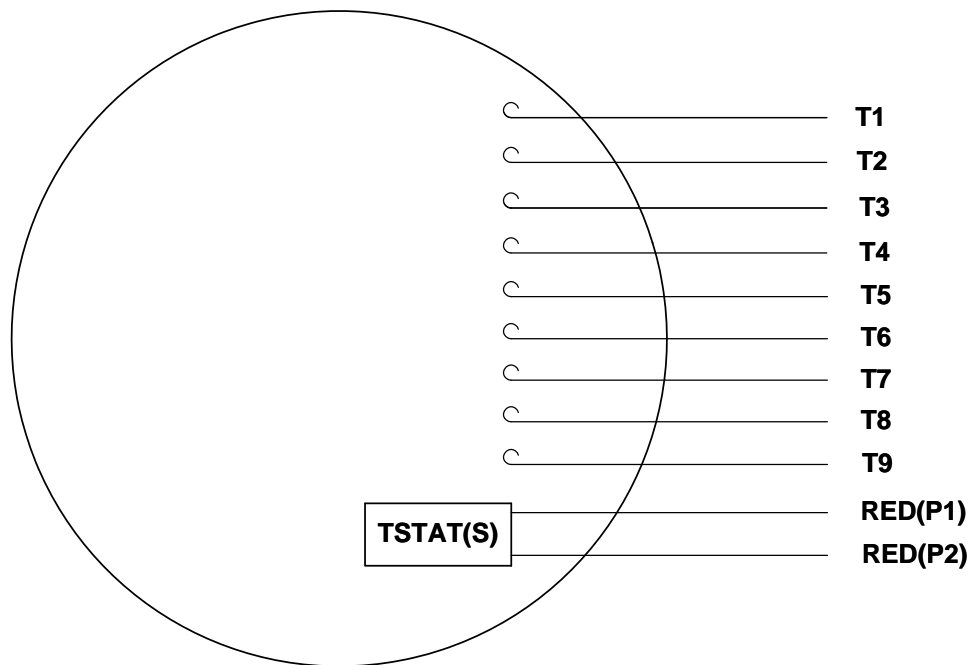


DASH NO.	"C"	"AD"
750	12.96	4.25
800	13.46	4.75
850	13.96	5.25
900	14.46	5.75
950	14.96	6.25
1000	15.46	6.75
1050	15.96	7.25
1100	16.46	7.75
1150	16.96	8.25

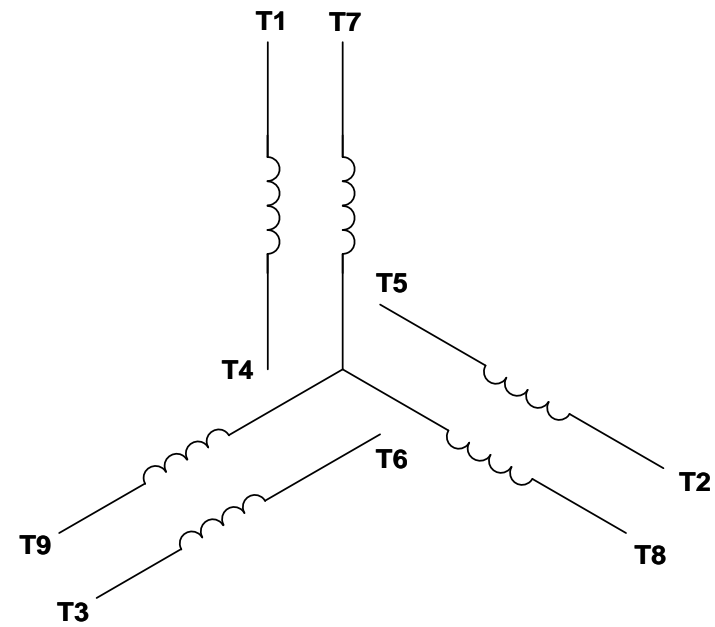
TOLERANCES UNLESS SPECIFIED				REGAL BELOIT CORPORATION		DRAWN MGM 2/21/03	
DEC INCHES				CHK		APPR RDW 2/21/03	
X ±.1				XX ±.05		SCALE 1:2	
XX ±.03				XXX ±.005		REF 035450	
02 REV TO MATCH ORACLE				LST 8/13/2010		TITLE OUTLINE - 180T FRAME	
- UPDATE & REDRAWN IN SOLIDWORKS				LST 12/10/2009		TEFC - RIGID	
NO REVISION				CHK ANG ±1/2°		MATL GENERAL PURPOSE	
BY & DATE				FINISH		PAGE OF	
THIRD ANGLE PROJECTION				RFP		PREV	
NETWORK FILE NAME 035465				SIZE B		DRAWING NO 035465	
						REV 02	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

Uncontrolled Copy



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: 125/3.2 INCH/mm			
mm SHOWN IN [BRACKETS]			

DRAWN BY
DBT 12/16/97

DATE

APPROVED BY
KH 12/17/97

DATE

REFERENCE

THIRD ANGLE
PROJECTION



Regal Beloit America, Inc.

DESCRIPTION

CONN DIAGRAM-EXTERNAL 3 PHASE WITH PROTECTOR

MATERIAL
DECAL - 004014 (TSTAT) - 080582

PROCESS/FINISH
STOCK

SIZE
A

DRAWING NUMBER

00501020

SHEET
1 OF 1

Data Sheet

Date: 1/31/2018

131981.00



Data @ 460 V

Motor Load Data

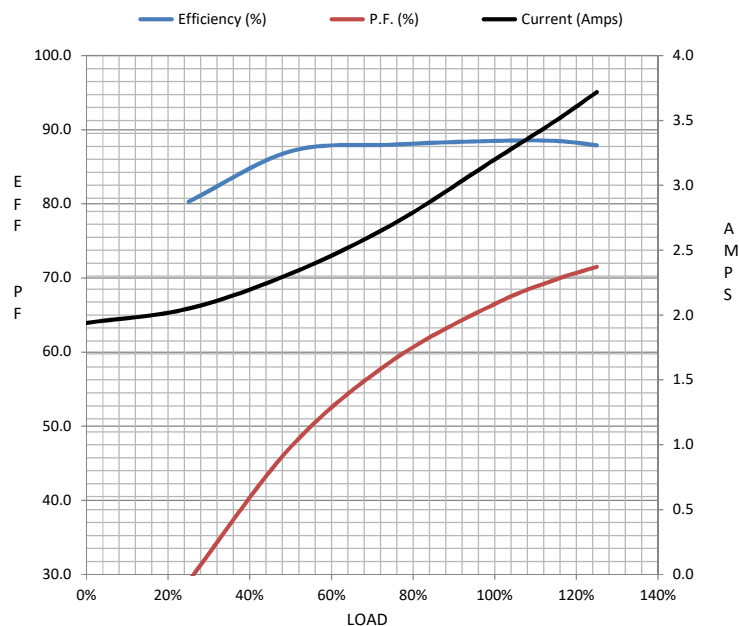
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.94	2.05	2.32	2.70	3.2	3.5	3.7	20.5	
Torque (ft-lb)	0.00	2.25	4.5	6.6	9.0	10.4	11.2	16.8	
RPM	1200	1194	1188	1182	1175	1,171	1168	0	
Efficiency (%)		80.3	87.1	88.0	88.5	88.5	87.9		
P.F. (%)	6.1	29.1	47.2	58.9	66.5	69.8	71.5	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	21	1000	1175	1200
Current (Amps)	20.5	20.1	10.1	3.2	1.94
Torque (ft-lb)	16.8	16.5	30.2	9.0	0.00

Information Block

HP	2.0			
Sync. RPM	1200			
Frame	180			
Enclosure	TEFC			
Construction	TFW			
Voltage	230/460#190/380	V		
Frequency	60	Hz		
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	32	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.00	Lb-Ft²		
Ref Wdg	T8638 FR			
Sound Pressure @ 1M	55	dBa		
VFD Rating	NONE			
Outline Dwg	035465-950			
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

