

PRODUCT INFORMATION PACKET



Model No: 131980.00

Catalog No: 131980.00

WATTSAYER® General Purpose Motor, 1.50 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 182T Frame, TEFC



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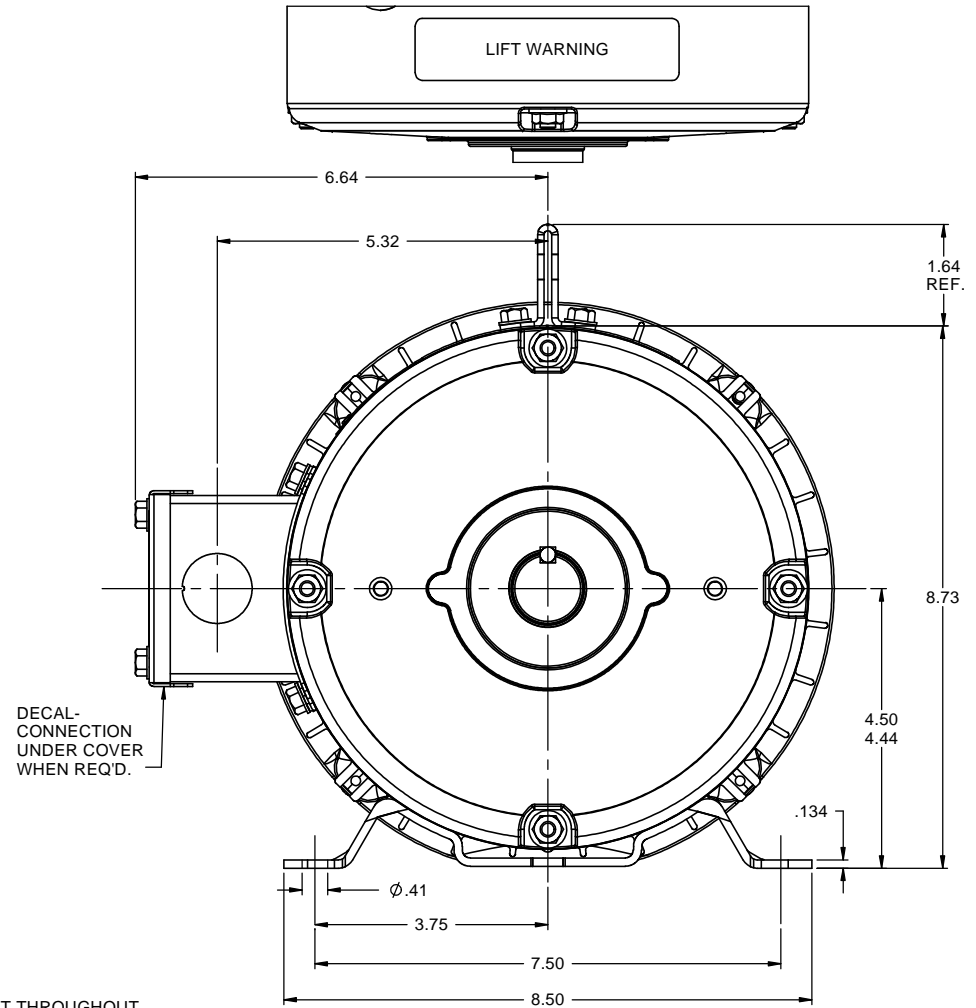
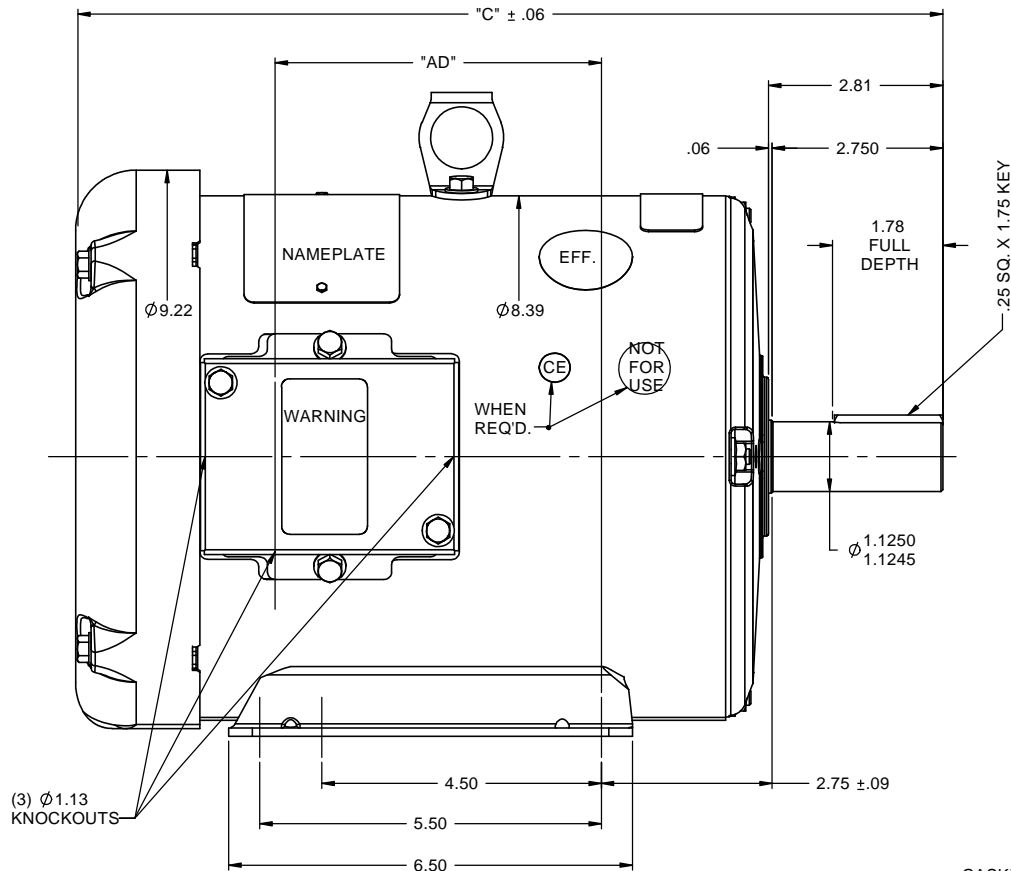
Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	6.0/3.0 A	Speed	1170 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	182T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	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	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	14.46 in
Frame Length	9.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	035465-900	Connection Drawing	005010.20

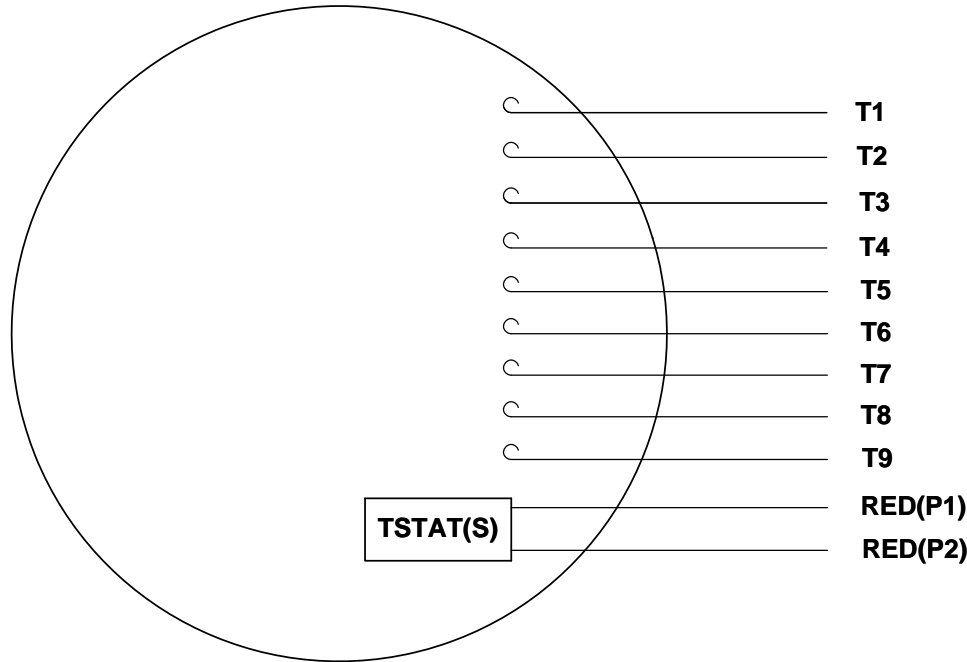
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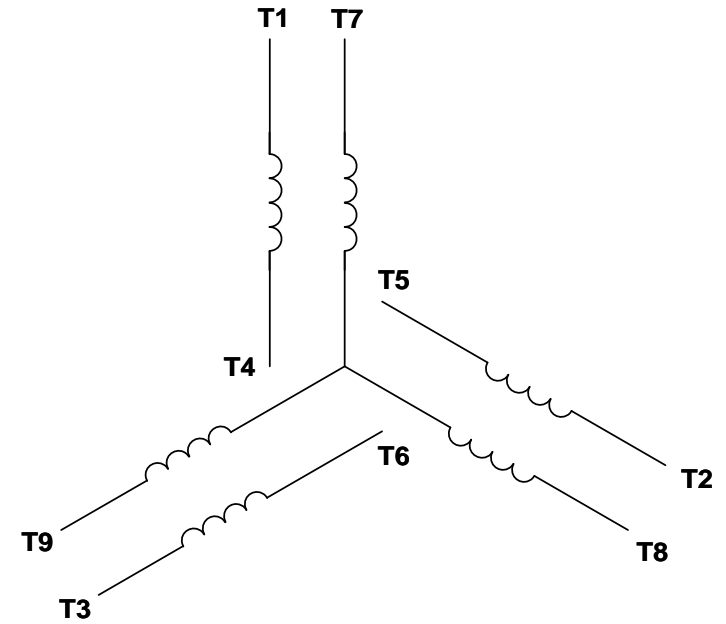
DASH NO.	"C"	"AD"
750	12.96	4.25
800	13.46	4.75
850	13.96	5.25
900	14.46	5.75
950	14.96	6.25
1000	15.46	6.75
1050	15.96	7.25
1100	16.46	7.75
1150	16.96	8.25

TOLERANCES UNLESS SPECIFIED				REGAL BELOIT CORPORATION		DRAWN MGM 2/21/03	
DEC	INCHES	XX	XXX	XX	XXX	CHK	
X	±.1	XX	±.03	XX	±.005	APPR	RDW 2/21/03
02	REV TO MATCH ORACLE	LST	8/13/2010	XX	XXX	SCALE	1:2
-	UPDATE & REDRAWN IN SOLIDWORKS	LST	12/10/2009	XX	XXXX	REF	035450
NO	REVISION	BY & DATE	CHK	ANG	±1/2"	FMF	
THIRD ANGLE PROJECTION				PREV		PAGE	OF
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	



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

CERTIFICATION DATA SHEET

CATALOG #: 131980.00

CONN. DIAGRAM: 005010.20

OUTLINE: 035465-900

MOUNTING: F1/F2 CAPABLE

WINDING #: T8636 FR 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	1200	1170	182T	TEFC	K	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	6/3	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 %	0

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
STANDARD	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

*

N

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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

131980.00



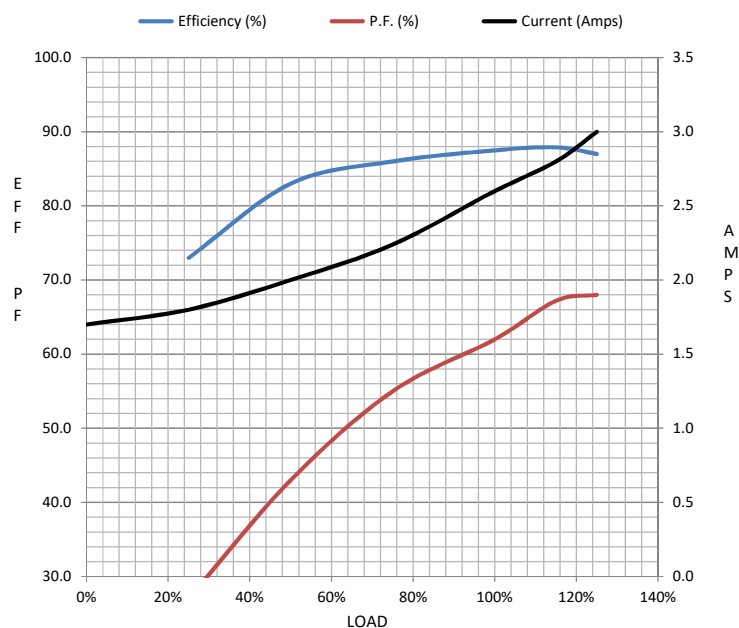
Data @ 460 V

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	

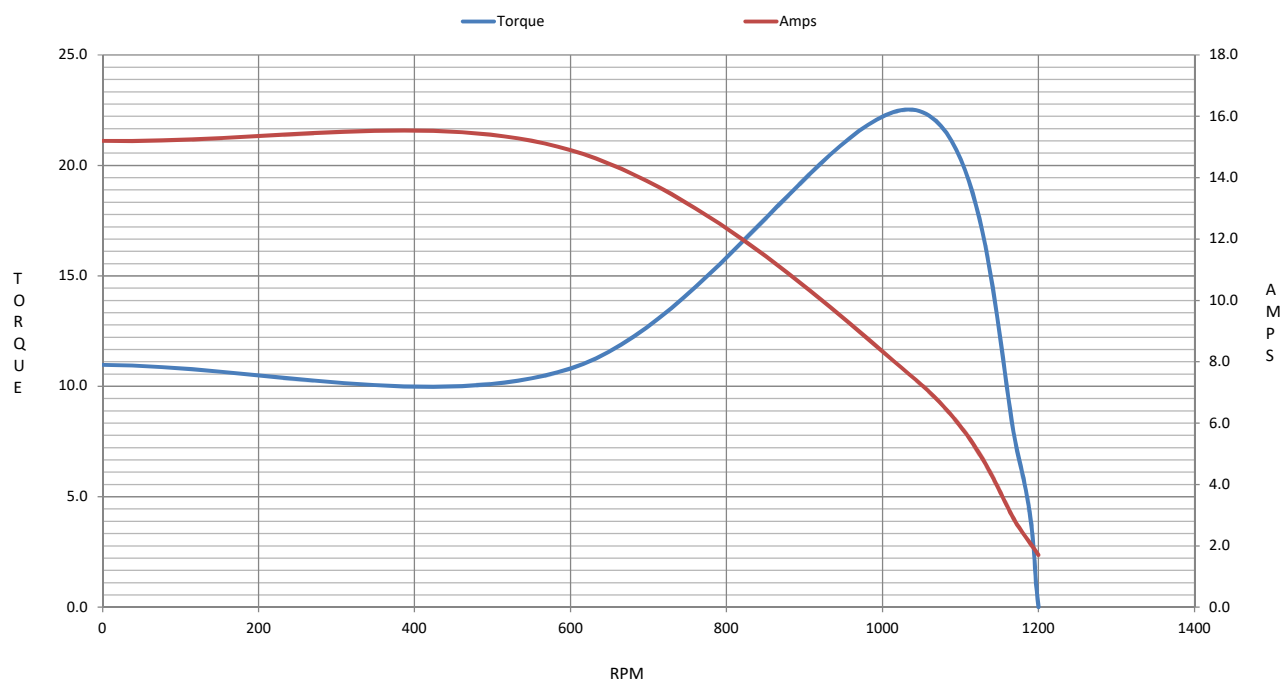
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block			
Speed (RPM)	0	600	1043	1175	1200	HP	1.5		
Current (Amps)	15.2	14.9	7.4	2.60	1.70	Sync. RPM	1200		
Torque (ft-lb)	11.0	10.8	22.5	6.7	0.00	Frame	180		



Frame	180			
Enclosure	TEFC			
Construction	TFW			
Voltage	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	035465-900			
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



EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 131980.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 131980.00

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22