PRODUCT INFORMATION PACKET

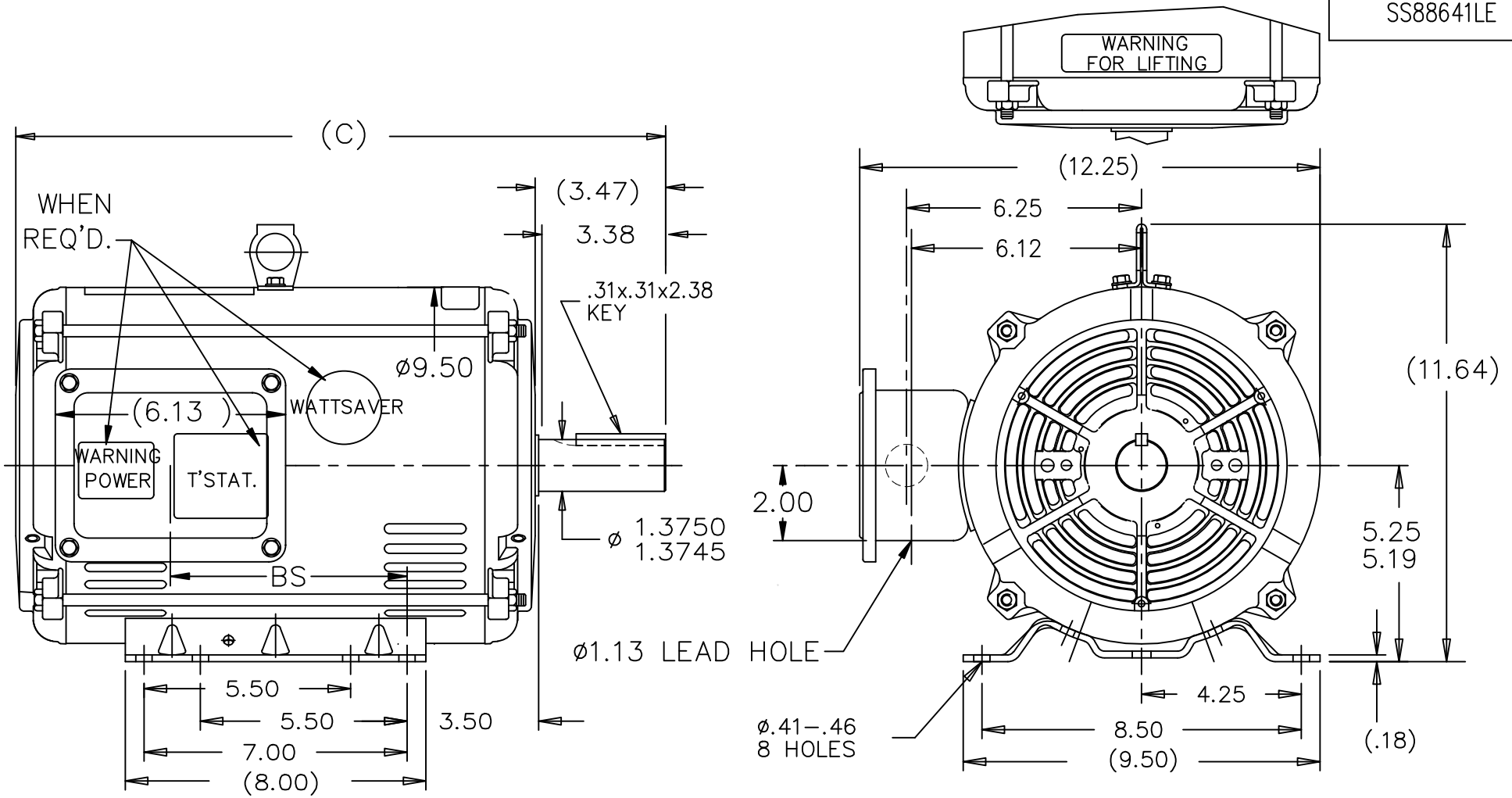
Model No: 140753.00
Catalog No: 140753.00
WATTSAVER® General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 213T Frame, DP

Nameplate Specifications

Phase	3	Output HP	10 & 7.50 Hp
Output KW	7.5 & 5.6 kW	Voltage	230/460 & 190/380 V
Speed	3515 & 2910 rpm	Service Factor	1.15 & 1.15
Frame	213T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	89.5 & 87.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	23.4/11.7 & 22/11 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	307	Opp Drive End Bearing Size	206
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	1.1 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	17.30 in
Frame Length	11.15 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	00501020	Outline Drawing	A-SS88641LE-1115



DASH	FR.	C	BS	MOUNTING
965	213T	15.80	4.80	
1115	213/15T	17.30	6.30	
1240	213/15T	18.55	7.55	F1 ONLY

NOTES:
1. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)
3. DASH 965 TO BE READ FROM OPPOSITE SHAFT END

NO.	REVISION	BY & DATE	CHK
2	ADDED NOTE 3 & REMOVED GROMMET CN 31848, 31881	DRS 10-21-2002	ML
1	NEW DRAWING	HLB 05-06-2002	TB

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

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE OUTLINE
210T FR. – BB – TS – DR.PR.

MAT'L.

FINISH

CAD FILE SS88641LE

RFP

DIST LB

DRAWN	HLB 04-24-2002
CHK	ML 05-03-2002
APPD	TB 05-06-2002
SCALE	1=4
REF	
FMF	
PREV	

SIZE A | DRAWING NO. SS88641LE | PAGE OF | REV. 2

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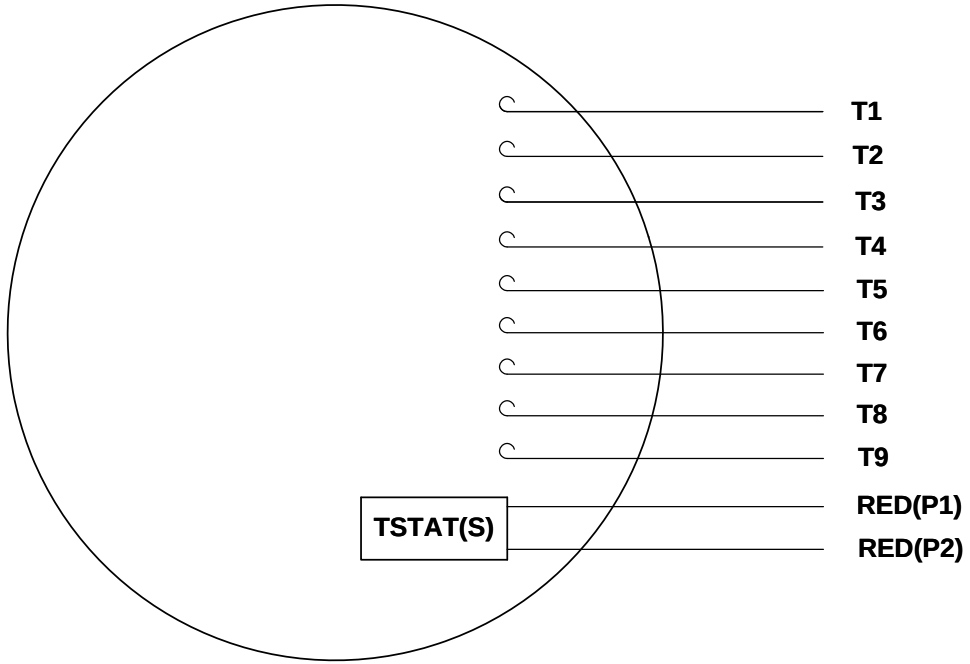
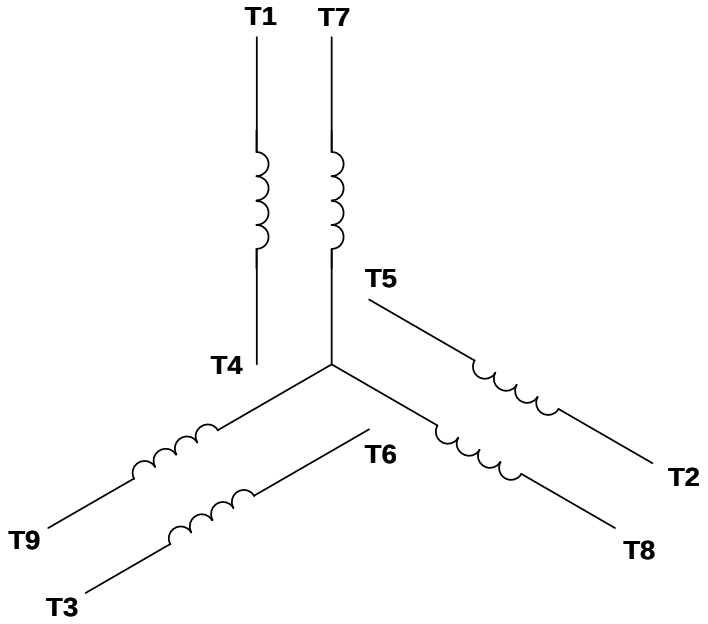
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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		

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

Data Sheet

Date: 1/29/2018

LEESON

140753.00

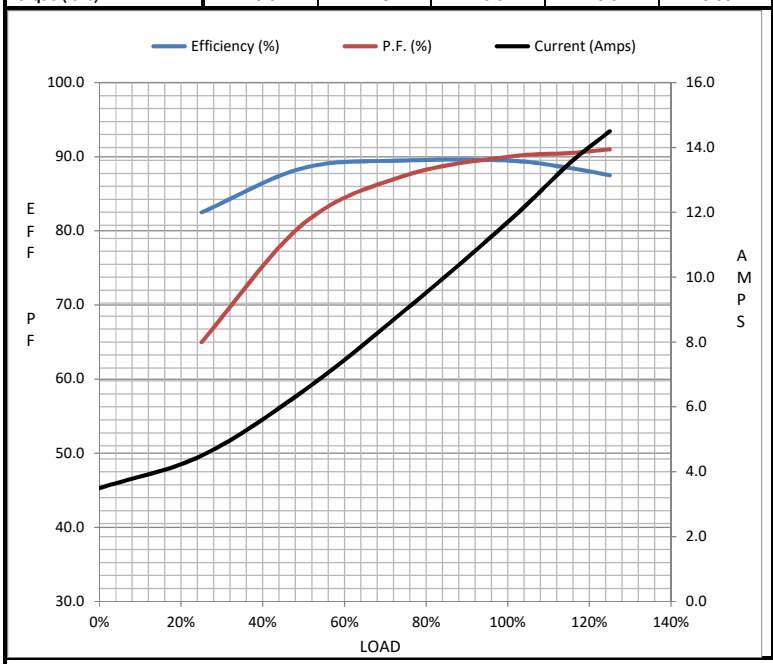
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.5	4.5	6.5	9.0	11.7	13.5	14.5	81.0	
Torque (ft-lb)	0.00	3.7	7.4	11.1	15.0	17.5	18.8	25.0	
RPM	3600	3580	3560	3540	3515	3,505	3490	0	
Efficiency (%)		82.5	88.5	89.5	89.5	88.5	87.5		
P.F. (%)	13.0	65.0	81.0	87.5	90.0	90.5	91.0	43.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1758	2985	3515	3600
Current (Amps)	81.0	72.9	53.5	11.7	3.5
Torque (ft-lb)	25.0	21.3	46.5	15.0	0.00



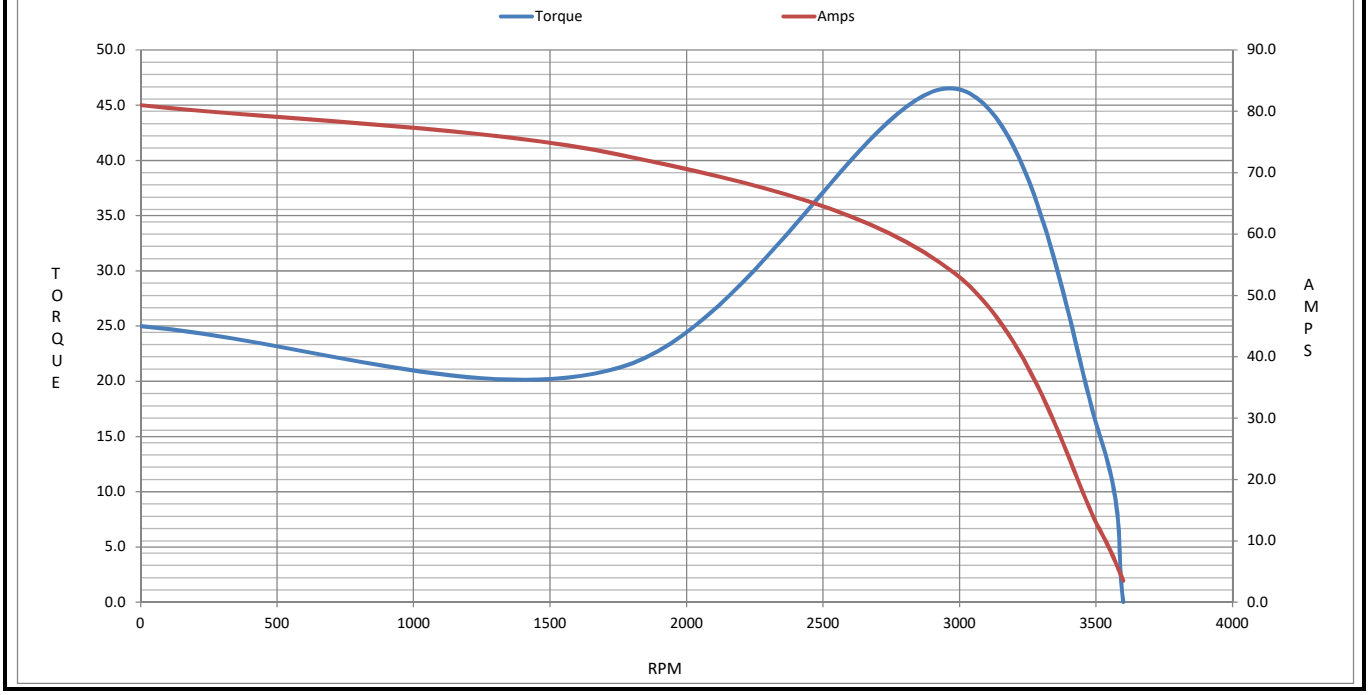
Information Block

HP	10.0	
Sync. RPM	3600	
Frame	213	
Enclosure	DP	
Construction	TDW	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	A	
LR Code letter	H	
Service Factor	1.15	
Temp Rise @ FL	25	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.45	Lb-Ft²
Ref Wdg	K213282 R5	
Sound Pressure @ 1M	75	dBA
VFD Rating	NONE	
Outline Dwg	A-SS88641LE-1115	
Conn. Diag	00501020	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.6160	0.4350	1.9260	1.0760	60.7760

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 : 140753.00

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

Catalog No : 140753.00

Rework No : N/A

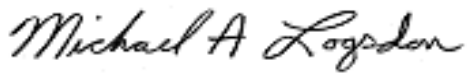
Directives :

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

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