PRODUCT INFORMATION PACKET

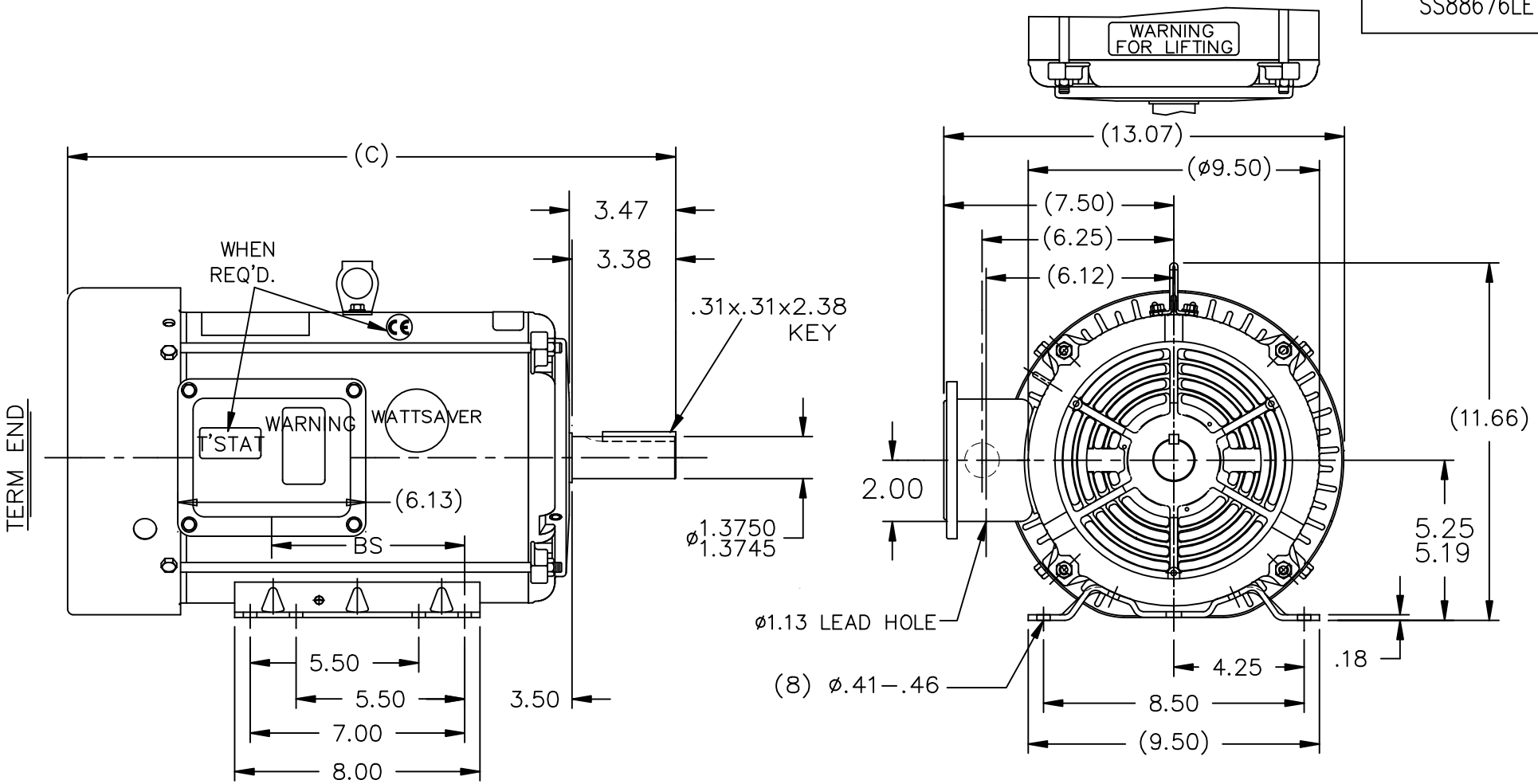
Model No: 140755.00
Catalog No: 140755.00
WATTSAVER® General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 215T Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	10 & 7.50 Hp
Output KW	7.5 & 5.6 kW	Voltage	230/460 & 190/380 V
Speed	3535 & 2950 rpm	Service Factor	1.15 & 1.15
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	91.7 & 92 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	23.6/11.8 & 21/10.5 A	Power Factor	87
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	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.8 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	21.09 in
Frame Length	12.40 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS88676LE-1240	Connection Drawing	EE7308T-LE



DASH	FR.	C		BS	MOUNTING
965	213T	18.34		4.80	
1115	213/15T	19.84		6.30	
1240	213/15T	21.09		7.55	F1 ONLY

NOTES:
1. NAMEPLATE TO BE READ FROM C'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
3	ADDED NOTE 3 & REMOVED GROMMET CN 31848, 31881	DRS 10-21-2002	ML
2	REMOVED "BOX CAN BE MOUNTED IN 90 DEG	RJM 08-20-2002	JPL
	STEPS" FROM NOTES. CN29200-2517		
1	NEW DRAWING	HLB 07-19-2002	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
210 FR. – BB – TS – TEFC – R/S

MAT'L.

FINISH

CAD FILE ss88676le

RFP

DIST LB-LE

DRAWN	HLB 07-16-2002
CHK	DRS 07-18-2002
APPD	TB 07-19-2002
SCALE	1=5
REF	
FMF	
PREV	

SIZE	DRAWING NO. PAGE OF	REV.
A	SS88676LE	3

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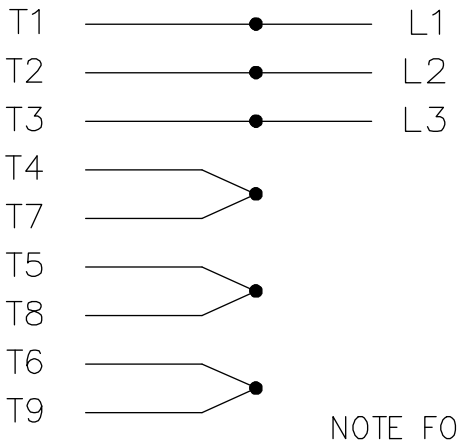
EE7308T-LE

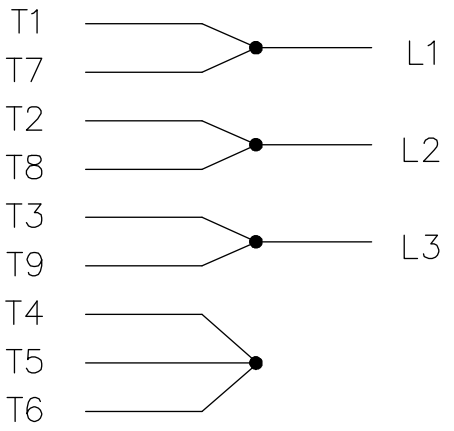
THREE PHASE DUAL VOLTAGE MOTOR

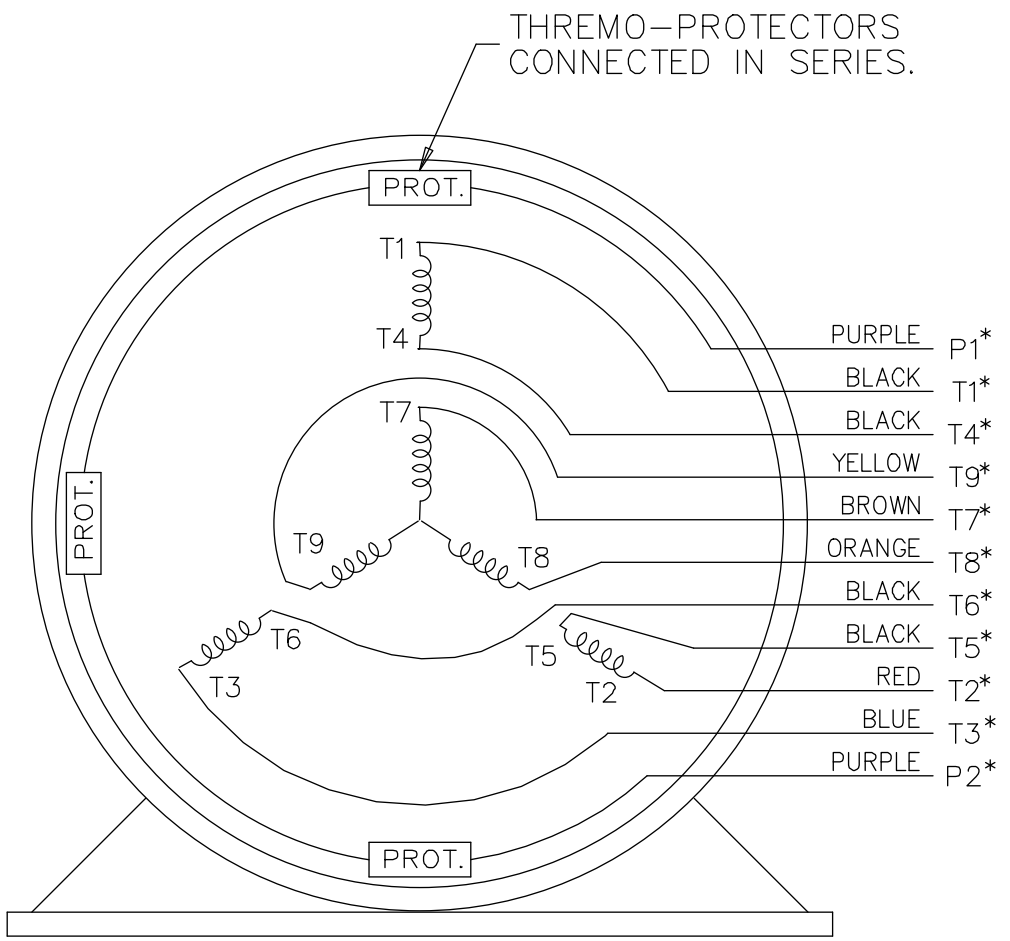
HIGH VOLTAGE



NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

LOW VOLTAGE





VIEW OF TERMINAL END

* USE LEADS AS PER PLANT STANDARD IRRWSPECTIVE OF THEIR COLOUR.

NO.	REVISION	BY & DATE	CHK
05	ADDED * NOTE PER ECN # 26921	UD 01-30-2013	JD
04	ADDED COLORS TO "T & P" LEADS CN 40494	MSG 08-08-2006	ML
03	RE-ISSUE	NJS 04-21-2004	JET
02	REDRAWN	TAT 04-20-2004	ML
01	NEW DRAWING CN 34708	TJB 05-08-2002	ML

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.02
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE CONNECTION DIAGRAM
3 PHASE – DUAL VOLTAGE MOTOR

MAT'L.

FINISH

RFP

DIST LB-WP-LE

CAD FILE EE7308T_LE

DRAWN	TJB 05-07-2002
CHK	ML 05-08-2002
APPD	TB 05-08-2002
SCALE	1=1
REF	
FMF	
PREV	

SIZE	DRAWING NO. PAGE OF	REV.
A	EE7308T-LE	05

Data Sheet

Date: 1/31/2018

LEESON

140755.00

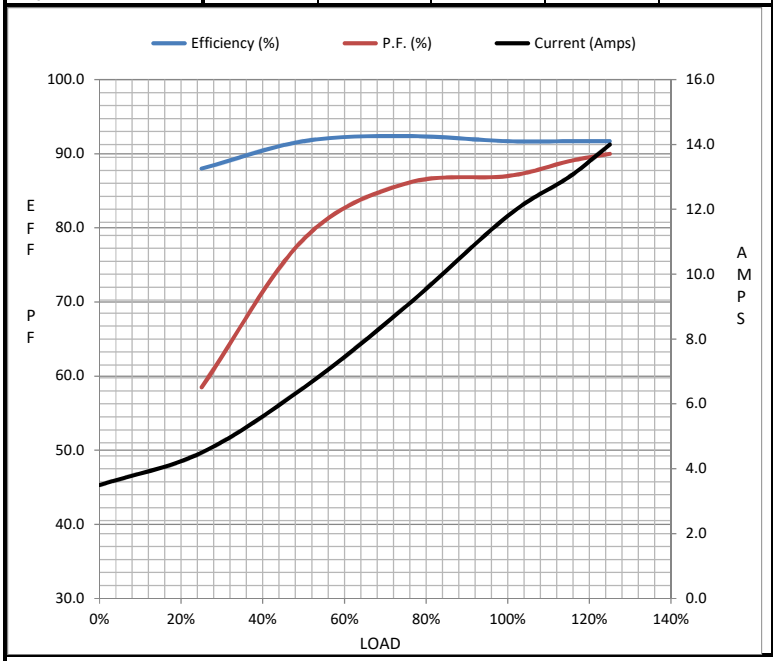
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.5	4.5	6.5	9.0	11.8	13.0	14.0	80.0	
Torque (ft-lb)	0.00	3.5	7.5	11.0	14.9	17.0	18.5	30.0	
RPM	3600	3585	3570	3555	3535	3,530	3525	0	
Efficiency (%)		88.0	91.7	92.4	91.7	91.7	91.7		
P.F. (%)	8.5	58.5	78.5	86.0	87.0	89.0	90.0	40.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3175	3535	3600
Current (Amps)	80.0	72.0	50.0	11.8	3.5
Torque (ft-lb)	30.0	27.0	46.0	14.9	0.00



Information Block

HP	10.0	
Sync. RPM	3600	
Frame	215	
Enclosure	TEFC	
Construction	TFW	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	H	
Service Factor	1.15	
Temp Rise @ FL	50	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.65	Lb-Ft²
Ref Wdg	K215295 R8	
Sound Pressure @ 1M	72	dBA
VFD Rating	NONE	
Outline Dwg	A-SS88676LE-1240	
Conn. Diag	A-EE7308T-LE	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.5230	0.3980	1.8060	2.0620	72.1360