

PRODUCT INFORMATION PACKET



Model No: 140754.00

Catalog No: 140754.00

WATTSaver® General Purpose Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
3600 & 3000 RPM, 215T Frame, DP



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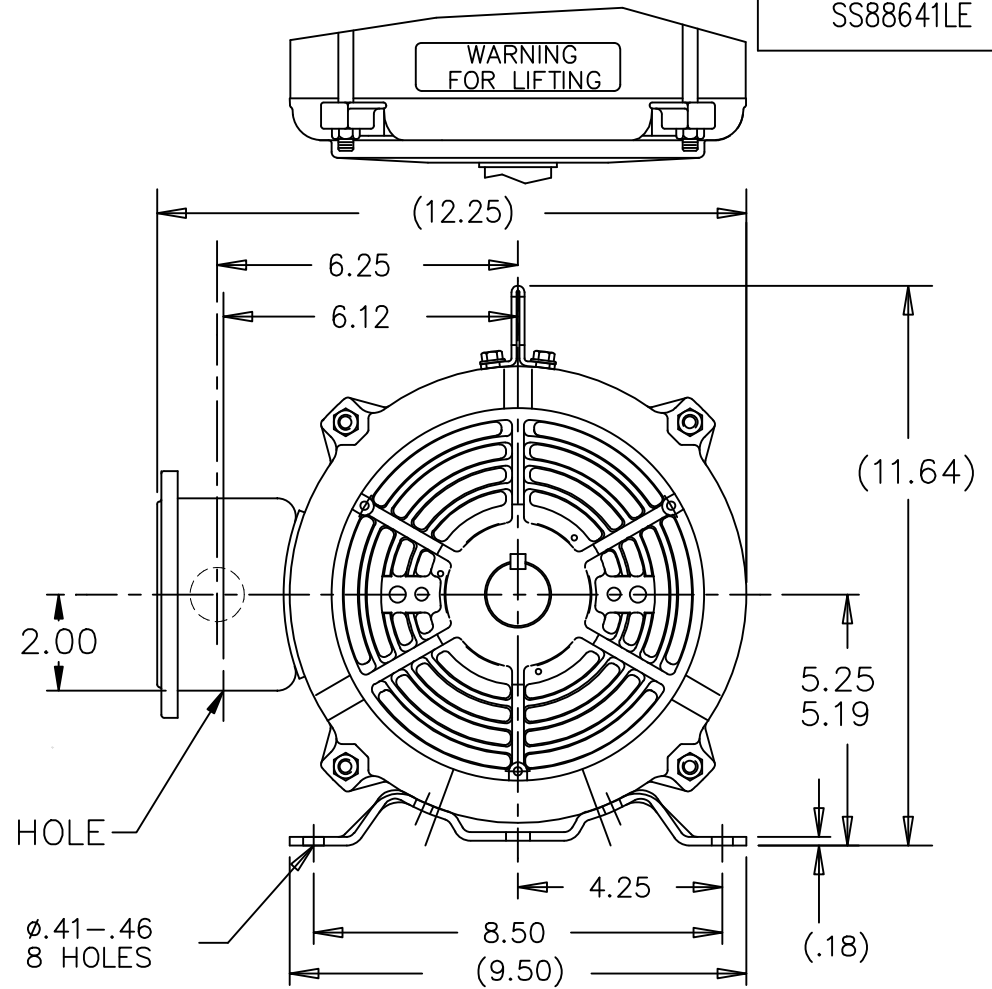
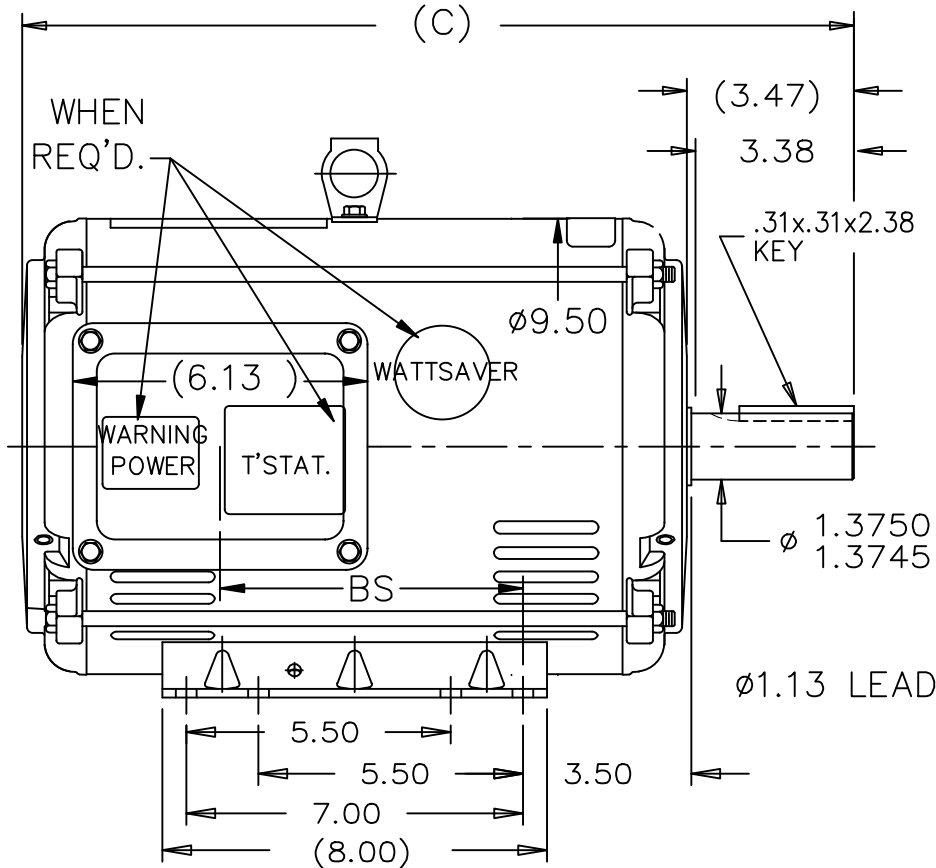


Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp
Output KW	11.2 & 7.5 kW	Voltage	230/460 & 190/380 V
Speed	3520 & 2940 rpm	Service Factor	1.15 & 1.15
Frame	215T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	91 & 89.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	35/17.5 & 29/14.5 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
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	.655 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	18.55 in
Frame Length	12.40 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-SS88641LE-1240	Connection Drawing	A-EE7308T-LE



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

TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.03

.XXX ±.005

.XXXX ±.0005

CHK ANG ±1/2°

RFP

DIST LB

ELECTRIC MOTORS
GEARMOTORS
AND DRIVESTITLE OUTLINE
210T FR. - BB - TS - DR.PR.

MAT'L.

FINISH

CAD FILE SS88641LE

SIZE

A

DRAWING NO. PAGE OF REV.

SS88641LE 2

DRAWN HLB 04-24-2002

CHK ML 05-03-2002

APPD TB 05-06-2002

SCALE 1=4

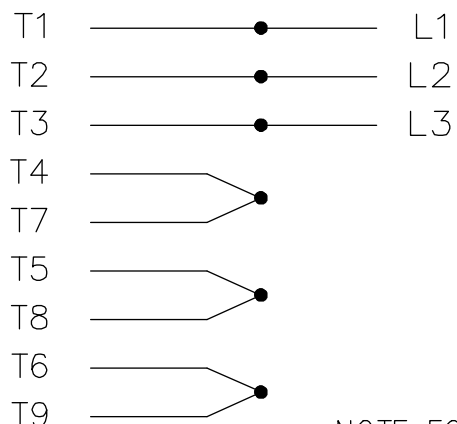
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FMF

PREV

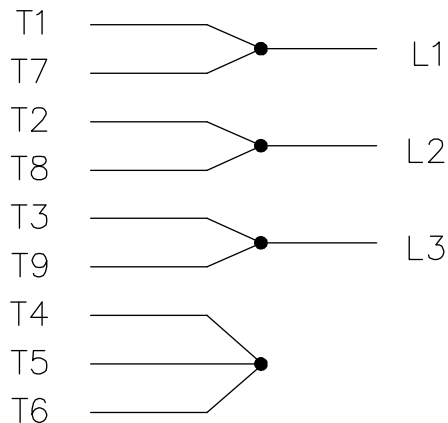
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HIGH VOLTAGE



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

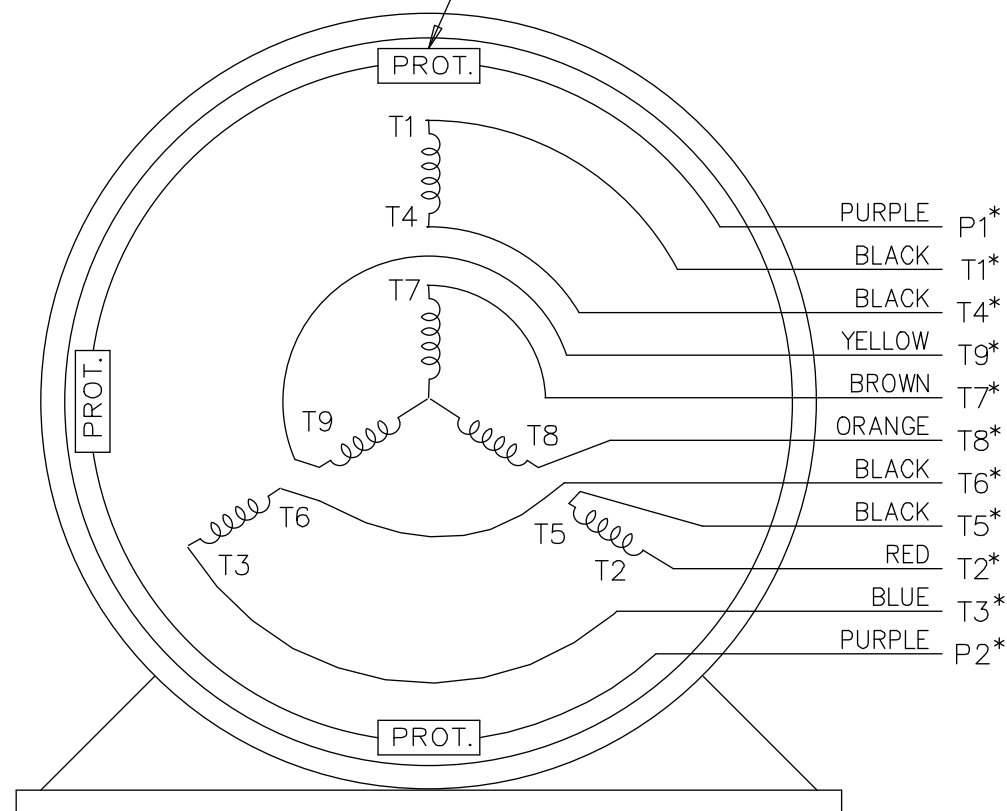


* USE LEADS AS PER PLANT STANDARD IRRWSPECTIVE OF THEIR COLOUR.


THREE PHASE DUAL VOLTAGE MOTOR

EE7308T-LE

THREMO-PROTECTORS
CONNECTED IN SERIES.



VIEW OF TERMINAL END

			TOLERANCES UNLESS SPECIFIED			 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN TJB 05-07-2002		
05	ADDED * NOTE PER ECN # 26921	UD 01-30-2013	JD	DEC.	INCHES		CHK	ML	05-08-2002
04	ADDED COLORS TO "T & P" LEADS CN 40494	MSG 08-08-2006	ML	.X	±.1	TITLE CONNECTION DIAGRAM 3 PHASE - DUAL VOLTAGE MOTOR	APPD	TB	05-08-2002
03	RE-ISSUE	NJS 04-21-2004	JET	.XX	±.02		SCALE	1=1	
02	REDRAWN	TAT 04-20-2004	ML	.XXX	±.005		REF		
01	NEW DRAWING CN 34708	TJB 05-08-2002	ML	.XXXX	±.0005		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV		
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			DIST	LB-WP-LE			EE7308T-LE		05



CERTIFICATION DATA SHEET

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

CATALOG #: 140754.00

CONN. DIAGRAM: A-EE7308T-LE

OUTLINE: A-SS88641LE-1240

MOUNTING: F1 ONLY

WINDING #: K2152165 6

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15&10	11.2&7.50	3600	3520&2940	215T	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	35/17.5&29/14.5	ACROSS THE LINE	CONTINUOUS	F4	1.15/1.15	40

FULL LOAD EFF:	91&89.5	3/4 LOAD EFF:	91	1/2 LOAD EFF:	88.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	87&86	3/4 LOAD PF:	84	1/2 LOAD PF:	76	89.5	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.2 LB-FT	220 / 110	39 LB-FT 176 %	64.5 LB-FT 291 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	0.6 LB-FT^2	18 LB-FT^2	15 SEC.	2	130 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
307	206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

*

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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
FT-LB NONE V NONE Hz

Data Sheet

Date: 1/17/2018

140754.00



Data @ 460 V

Motor Load Data

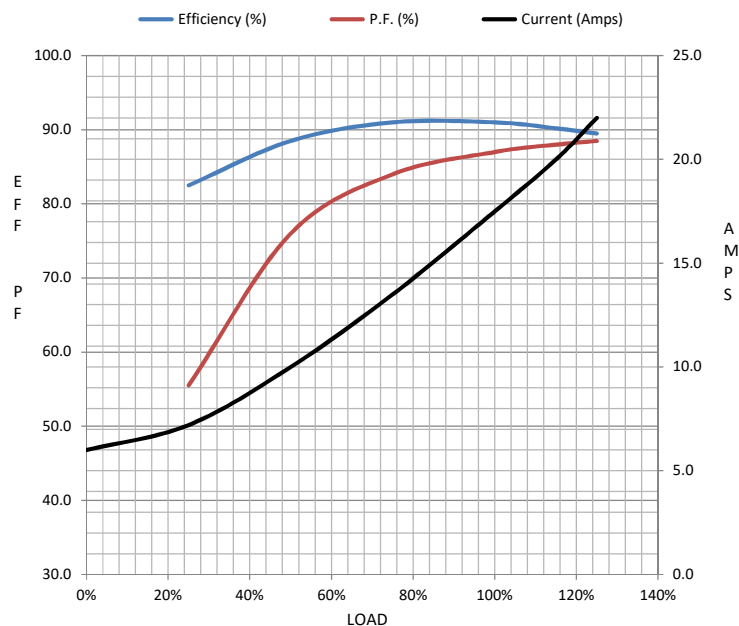
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	6.0	7.2	10.0	13.5	17.5	20.0	22.0	110	
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.2	25.5	28.0	39.0	
RPM	3600	3580	3560	3540	3520	3,510	3495	0	
Efficiency (%)		82.5	88.5	91.0	91.0	90.2	89.5		
P.F. (%)	7.0	55.5	76.0	84.0	87.0	88.0	88.5	39.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3100	3520	3600
Current (Amps)	110	100	71.0	17.5	6.0
Torque (ft-lb)	39.0	34.0	64.5	22.2	0.00

Information Block

HP	15.0			
Sync. RPM	3600			
Frame	215			
Enclosure	DP			
Construction	TDW			
Voltage	230/460#190/380	V		
Frequency	60	Hz		
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	55	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.60	Lb-Ft²		
Ref Wdg	K2152165	NONE		
Sound Pressure @ 1M	75	dBA		
VFD Rating	NONE			
Outline Dwg	A-SS88641LE-1240			
Conn. Diag	A-EE7308T-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.3930	0.2840	1.3910	1.3290	47.0610



Speed - Torque Curve

