

# Transformers

## ISOLATION

## ACME

- Shielded for cleaner power
- Encapsulated and completely enclosed design electrical grade silica and resin compounds completely enclose the core and coil to seal out all moisture and air
- Quiet operation with sound levels well below NEMA standards
- UL Type 3R enclosure for indoor or outdoor service
- UL Listed, CSA Certified
- Meets or exceeds all listing criteria including NEMA, ANSI, and OSHA standards



Item Number	KVA	Dimensions in" (cm) HxWxD	Weight in lbs. (kg)	Price
<b>240 x 480 Primary Volts, 120/240 Secondary Volts, Four Windings, 1 Ø, 60 Hz.</b>				
T-2-53007-S	.25	8.68(22) x 4.08(10.4) x 3.88(9.9)	10(4.5)	\$175.36
T-2-53008-S	.50	9.06(23) x 4.37(11.1) x 4.20(10.7)	15(6.8)	\$203.79
T-2-53009-S	.75	9.68(24.6) x 4.75(11.4) x 4.50(11.4)	19(8.6)	\$254.34
T-2-53010-S	1	10.50(26.7) x 5.50(14) x 5.13(13)	24(10.9)	\$308.06
T-2-53012-S	2	13.00(33) x 5.50(14) x 5.13(13)	38(17.2)	\$464.47
T-2-53014-4S	5	14.38(36.5) x 10.31(26.2) x 7.13(18.1)	75(34)	\$851.53
T-2-53515-3S	7.5	15.19(38.6) x 13.50(34.3) x 10.84(27.5)	115(52.2)	\$1,191.19
T-2-53517-3S	15	16.94(43) x 14.12(35.9) x 11.59(29.4)	170(77.1)	\$1,829.42
T-2-53518-3S	25	18.44(46.8) x 16.13(41) x 13.34(33.9)	250(113)	\$2,256.99
<b>190/208/220/240 x 380/416/440/480 Primary Volts, 120/240 Secondary Volts, 1 Ø, 50/60 Hz. Export Model - Maximum exciting current 5% @50Hz.</b>				
TF-2-79260-S	1	10.50(26.7) x 5.50(14) x 5.13(13)	24(10.9)	\$562.79
TF-2-79261-S	2	13.00(33) x 5.50(14) x 5.13(13)	38(17.2)	\$865.28
TF-2-79263-S	5	14.38(36.5) x 10.31(26.2) x 7.13(18.1)	75(34)	\$1,524.87
TF-2-79264-S	7.5	15.19(38.6) x 13.50(34.3) x 10.84(27.5)	115(52.2)	\$2,215.91
TF-2-79266-S	15	16.94(43) x 14.12(35.9) x 11.59(29.4)	170(77.1)	\$3,144.11
TF-2-79267-S	25	18.44(46.8) x 16.13(41) x 13.34(33.9)	300(136.1)	\$4,434.85

List pricing in catalog is subject to change without notice.

## Ward's Marine Electric

The WME Portable Boost Transformers is safe, powerful, and can protect your 115/230 volt AC equipment from many harmful low dock voltage conditions. Both the 100 ampere and 50 ampere versions are equipped with durable carrying handles and can be conveniently set next to your dockside power pedestal. When connected, a static 10% voltage boost is delivered to provide safer and more effective power to your boat. There are no manual overrides on these units, so the voltage will be boosted 10% regardless of input voltage.

Not suitable for marinas where erratic voltage fluctuations occur.



- 10% Fixed boost
- Portable
- Compact design
- 208/230 primary volt
- Single phase

Item Number	Amps	Price
<b>Portable Boost</b>		
BB208/230-50	50	\$1,844.00
BB208/230-100	100	\$3,895.00

\*See also Shore Power Boost Equipment

## ACME Buck-Boost

- Multiple input/output voltage combinations
- Small and compact
- UL 50L Listed
- Raise voltage from 5-20%
- Quiet operation



T-1 SERIES

Item Number	KVA	Dimensions in" (cm) HxWxD	Weight in lbs. (kg)	Price
<b>120 x 240 Primary Volts, 12/24 Secondary Volts</b>				
<b>50/60Hz.</b>				
T-1-81047	.05	6.38(16.2) x 3.19(8.1) x 3.00(7.6)	4(1.8)	\$121.48
T-1-81048	.10	6.62(16.8) x 3.75(9.5) x 3.62(9.2)	5(2.3)	\$141.47
T-1-81049	.15	7.12(18.1) x 3.75(9.5) x 3.62(9.2)	7(3.2)	\$151.17
T-1-81050	.25	8.68(22.0) x 4.08(10.4) x 3.88(9.9)	10(4.5)	\$172.93
T-1-81051	.50	9.06(23.0) x 4.37(11.1) x 4.20(10.7)	15(6.8)	\$216.09
T-1-81052	.75	9.68(24.6) x 4.75(12.1) x 4.51(11.5)	19(8.6)	\$306.89
<b>60 Hz.</b>				
T-1-11683	1	10.5(26.7) x 5.5(14) x 5.13(13)	24(10.9)	\$359.92
T-1-11684	1.5	11.62(29.5) x 5.5(14) x 5.13(13)	30(13.6)	\$432.49
T-1-11685	2	13(33) x 5.5(14) x 5.13(13)	38(17.2)	\$564.52
T-1-11686	3	11.50(29.2) x 10.31(26.2) x 7.13(18.1)	55(24.9)	\$856.83

Images are representative of products listed and may not be actual product.

# Transformers

## LIGHTING

### Electronic: Halogen/Zenon

- UL Listed & CSA Certified
- Auto Reset thermal cut off 125°C
- Aluminum casing
- Dimmable
- Waterproof potting
- Designed to power low voltage (12V or 24V) halogen or xenon lamps



LET75

Item Number	Dimensions in" (mm) LxHxW	Weight in oz.	Max Load	Output V, kHz.	Price
<b>Input Volts 120, 60 Hz.</b>					
LET75	2.10(53.34) x 0.79(20.06) x 1.30(33.02)	3	75W	11.75, 40	\$24.00
LET75-24V	2.10(53.34) x 0.79(20.06) x 1.30(33.02)	3.5	75W	23.2, 40	\$28.40
LET105	3.11(78.99) x 0.85(21.59) x 1.30(33.02)	4.92	105W	11.5, 36	\$33.00
LET151	3.11(78.99) x 0.85(21.59) x 1.30(33.02)	4.92	150W	11.5, 36	\$52.00
LET151-24V	3.37(83.82) x 1.06(26.92) x 1.37(34.79)	6	150W	23.4, 30	\$56.00

### Magnetic

- No RFI disturbances
- Double insulated
- Internal thermal overload protection
- Current and short circuit protection
- High efficiency
- BT: Cylinder shaped transformer is encapsulated in self extinguishing plastic case with removable cover over four wire attachment lugs
- CBX: Cylinder shaped transformer is encapsulated in self extinguishing plastic case with four 6" wire leads extending for easy hook up



CBX



BT

Item Number	Input Volts	Output Volts	Capacity VA	Dimensions in" (mm) HxW	Weight in lbs. (kg)	Type	Price
<b>60 Hz. Input and Output</b>							
130020-A	120	12	20	2-5/16(63.906) x 1-1/78(29.921)	1(.45)	CBX	\$113.05
130050-A	120	12	50	2-7/16(68.986) x 2-3/8(60.452)	1.5(.68)	CBX	\$128.17
130050-D	230	24	50	2-7/16(68.986) x 3-3/8(85.852)	1.5(.68)	CBX	\$128.17
130080-A	120	12	80	3-3/16(84.226) x 2-3/4(59.436)	2.5(1.13)	CBX	\$201.62
130100-D	230	24	100	3-1/8(80.772) x 2-9/16(74.066)	3(1.36)	CBX	\$201.62
130105-E	120	12	105	3-1/4(79.756) x 3-5/8(90.932)	3(1.36)	BT	\$172.82
130150-A	120	12	150	3-1/4(79.756) x 3-1/8(80.772)	3.25(1.47)	CBX	\$216.02
130150-H	230	24	150	3-1/4(79.756) x 4-1/2(114.300)	3.25(1.47)	BT	\$198.20
130200-A	120	12	200	3-7/8(96.012) x 3-1/4(79.756)	3.5(1.59)	CBX	\$270.03
130200-D	230	24	200	3-7/8(96.012) x 3-1/4(79.756)	3.5(1.59)	CBX	\$165.00

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The following are guidelines from the American Boat and Yacht Council (ABYC) standard E-11.9 Isolation of Galvanic Current, Ward's Marine Electric recommends installation to always be in accordance with the ABYC standards and to be done by a certified licensed marine electrician.

**11.7.1.** Isolation Transformers - If used, an isolation transformer shall be of the encapsulated type and shall meet the requirements of UL 1561, Dry Type General Purpose and Power Transformers and the following additional requirements.

**11.7.1.4.** The transformer case is to be metallic with a grounding terminal provided.

**11.7.1.5.** The transformer shall be tested and labeled by an independent laboratory to establish compliance with the requirements of ABYC E-11.7.1.

\* Call for detailed information on our Service Products or to schedule an appointment.