



Mermaid Manufacturing

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Marine Product Line Catalog



Mermaid's Product Highlights:

Upgraded Flush Mount Digital Control Panel

Polished Stainless Steel Construction

Stainless Steel Remote Refrigeration Units

24,000 BTU 220v Self Contained Systems

FIVE YEAR WARRANTY

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We, at Mermaid Manufacturing, would like to take this opportunity to thank you for your interest in our products and services. Mermaid has been providing products to individuals and companies for many years and we are confident this trend will continue. It is individuals and companies like yourself that allow Mermaid the chance to grow and expand our business and product lines. We hope with the addition of these new products (and many more to come) that we have the opportunity to hear your success stories.

We have had quite a year working on these new products and are excited to introduce them to you and your fellow boaters and campers. Not only are we excited about these, but of other products you will soon see! Keep your eyes open at the upcoming boat and RV shows and keep checking on the web at www.mmair.com for the latest product developments to be introduced to the marine and RV markets!

Should you need additional information regarding a particular installation or product, please do not hesitate to reach out to us via our 800#. We are here to assist you!

We hope you have a safe and enjoyable upcoming boating season!

Sincerely,

The Mermaid Team



LIMITED, NONTRANSFERABLE WARRANTY**APPLICABLE TO THE CONTINENTAL U.S. AND CANADA**

If your air conditioner fails to function (due to a defect in material or workmanship) within five years from the date of purchase, MERMAID MANUFACTURING OF S.W. FL, INC. (hereafter "MERMAID") will replace or repair (at MERMAID'S discretion) any defective parts free of charge after written notice to MERMAID of your intent to ship the air conditioner and after the air conditioner has been returned to MERMAID'S factory with transportation charges to the factory prepaid. Mermaid Manufacturing of S.W. FL, INC. (hereafter "MERMAID") covers shipping charges both ways for the first six months of the five year warranty. After that six month period YOU are responsible for all shipping fees to get the unit TO the factory. Mermaid will cover the fee to ship it back to you. If your dehumidifier fails to function (due to defect in material or workmanship) within one year from the date of purchase, MERMAID MANUFACTURING OF S.W. FL, INC (hereafter "MERMAID") will repair or replace at our discretion any defective parts free of charge after the same intentions as listed above are followed. If any of the labeled "Distributed Product" fails to function as expected, contact the Mermaid factory for assistance in routing your call to the main manufacturer. Mermaid accepts no liability for improperly handled or installed "Distributed Products."

If your pump, thermostat, or FX-I digital control fails to function within one year respectively from the date of purchase, MERMAID will replace the pump, thermostat, or FX-I digital control free of charge after written notice to MERMAID of your intent to ship the pump, thermostat, or FX-I digital control and after the pump, thermostat, or FX-I digital control has been returned to MERMAID'S factory with the transportation charges to the factory prepaid.

The five year and one year provision of this limited warranty shall be void if the air conditioner, or dehumidifier has been damaged after sale, subjected to unreasonable or abnormal use or operation, altered, repaired by anyone other than MERMAID without the company's consent, subjected to water flow (on the air conditioning unit) rates exceeding 500 G.P.H., wired with undersized wiring, or installed or used other than as indicated in the installation and users' guide.

MERMAID is not responsible for the installation or de-installation of units. MERMAID is NOT responsible for labor reimbursement.

MERMAID MAKES THIS LIMITED WARRANTY EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE EXPRESSED WARRANTIES OF MERCHANTABILITY AND BREACH OF ANY WARRANTY THE LIABILITY OF MERMAID SHALL BE LIMITED TO REPAIRING OR REPLACING THE NONCONFORMING GOODS. MERMAID SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES, EITHER DIRECT, INCIDENTAL OR CONSEQUENTIAL, REGARDLESS OF THEIR KIND OR NATURE.

NON-TRANSFERABLE

Overview

We, at Mermaid, want to thank you for your interest in our products and services. You will come to find that Mermaid takes great pride in our products. Since 1983, Mermaid has been providing low cost, reliable, high quality air conditioning systems, refrigeration units, dehumidification units, and other related products to thousands of satisfied customers, both nationally and internationally. We have well over 900 dealers throughout the United States as well as numerous International counterparts.

Our focus is providing exceptional products at aggressive prices. Mermaid supplies pleasure boat and RV owners, custom boat builders, yacht and RV brokers, boat and RV dealers, and marinas around the world with their marine equipment needs. In order to service the individual boat and RV owner, and the dealers or marinas, we have trained technicians available at our 800 330-3553 phone line Monday—Friday 8:00AM- 4:30PM EST to answer any question you may have. In addition to technical questions, they can answer any installation questions.

Our philosophy is a bit different than the competition. Our focus is to build fool-proof systems. This is why we have a **full five-year warranty** on our marine air conditioners and a **one-year warranty** on our dehumidifiers. Our Distributed Product lines will have the manufacturer warranty follow your purchase. As you are looking at our products and making comparisons to other manufacturers, be sure to look at our warranty and construction with that of our competitors.

For our air conditioning line, we offer an optional installation kit specifically designed for each unit. Each marine air conditioning unit is provided with a digital programmable thermostat with the option to customize the remaining installation kit items for a specific boat including our **NEW** Digital Programmable flush mounted thermostat. Teak, maple, cherry, or ash grills are available (2-3 week lead time if NOT in stock). Many of our customers, dealers, and marinas prefer the "kit" approach because of the time saved in preparing for the installation in pulling parts. When you or your technician gets on board the boat, all the necessary parts are right there to complete the installation. This means no lost time tracking down parts.

As stated, Mermaid is an international company and we manufacture all of our air conditioners in either 120V or 240V, 50/60-Hertz or 240V 50-Hertz configurations with the option of either Fahrenheit or Celsius digital thermostats. 240V units are slightly higher in price, due to the lower production rates and require an extra 24 hour lead time when ordering, while 120V units can be shipped in **two—three business days**.

Your products will come with a comprehensive **Installation and Operations Guide** that will lead you or your marine technician through each step of the installation—as well as providing maintenance tips.

Our shipping policy is very simple. **If we have your order before 3:00pm EST, (UNITS NOT INCLUDED) we will do our best to ensure that your order is on the FEDEX truck and leaves here at 4:30pm that same day.** Our Marine AC units may require a two to four day lead time, we like to ensure our customers know it may take a few days to receive the product if it is not already warehoused at our factory. As a customer, you expect nothing less than this service in today's age. As a dealer, this means that you do not have to stock inventory, and the only limiting factor is the time it takes FEDEX or our LTL shipments to reach your door. When your customer is willing to pay the upgrade, FEDEX can deliver overnight or in 2-3 business days. When we ship, we can e-mail you the FEDEX tracking or LTL routing number, so you can follow the shipment via the carrier's web site. We accept Visa, M/C, or Discover and for our dealer network, and we accept FEDEX C.O.D and freight collect to business addresses.

Again, thank you for your interest in Mermaid. Please do not hesitate to contact us at 800-330-3553 or e-mail us at customerservice@mmain.com, if you have any questions or require any additional information. Check our web site at <http://www.mmain.com>.

Regards,

Bill Banfield

William D. Banfield
President

8x6 Plastic Transition Box

A smaller substitution for the aluminum 8x6 transition box that requires the 6" metal collar.

This piece is a one piece molded plastic transition box with a 6" round adapter on the back.

Order #: Plastic TB86-6B



Large Unit Stainless Steel Drip Pan

Stainless steel pan for M12/M16 units. Entire unit can mount in pan on 1 inch raised legs. Pan has 2" wall.

Order #: Lrg.S/SUnitPan

Small Unit Stainless Steel Drip Pan

Stainless steel pan for M6/M9 units. Entire unit can mount in pan on 1 inch raised legs. Not available for M5. Pan has 2" walls.

Order #: Sm.S/SUnitPan

#8 Stainless Steel Hose Clamp

Always double clamp every hose connection.
Always check clamp tightness on a regular basis.
Use on 3/4" hose.

Order #: 18hoseclamp

#12 Stainless Steel Hose Clamp

Always double clamp every hose connection.
Always check clamp tightness on a regular basis.
Use on 5/8" hose.

Order #: 112hoseclamp

#8 Stainless Steel Mounting Screws

1/2" S/S screws used to mount water pump brackets, electrical box brackets, water strainer brackets, etc.

Order #: 8x1/2phil-s/s

#14 Stainless Steel Mounting Screws

2" S/S screws used to mount unit. 2 needed for M5, 4 needed for M6, M9, M12, & M16.

Order #: 14x2phil-s/s

14" Tie Straps

We prefer to use tie straps to connect ducting, as opposed to tape. With tie straps, the ducting can be removed and adjusted without tearing.

Order #: 1tiebc14c

Clear Drain Hose**Available in 1/2" & 1/4"**

Available by the foot, this is our standard condensation drain hose used to drain from the condensation tray nipple to the bilge or a shower sump.

Order #: 1/2" - 150-0120

Order #: 1/4" - 150-0140

5/8" Marine Hose**Blue Tracer - Standard**

Order #: Blue - 164-0580

Black Reinforce - Deluxe

Order #: Black - 132-0580

Available by the foot, this is our standard/deluxe hose used from the water pump to the unit, and then from the unit to the overboard discharge.

3/4" Marine Hose**Red Tracer - Standard**

Order #: Red - 162-0340

Black Reinforce - Deluxe

Order #: Black - 132-0340

Available by the foot, this is our standard/deluxe hose used from the seacock to the water strainer and then on to the water pump.

Marine Circuit Breaker—20 Amp

Our standard marine grade, 20 amp circuit breaker. Available in black (std), white, or red to match your present circuit breaker panel.

Order #:

AA1-B0-34-620-5D1-C

16/3 Gauge Marine Grade Power Cable

Available and priced by the foot. Used to connect the water pump to our electrical box. Using a lighter gauge of wire will effect the performance of your pump.

Order #: 04522

12/3 Gauge Marine Grade Power Cable

Available and priced by the foot. Used to connect the power from the circuit breaker to the unit's electrical box. Using a lighter gauge of wire will void the warranty on your unit.

Order #: 04516

Water Strainer Filter

Replacement raw water filter/screen for the 18001 and 18005 water strainers (shown on pg. 26). Made out of coated steel.

Order #: Small - 118010-shw

Order #: Large = 11807-shw

Small, Medium, Large Insulation Pads

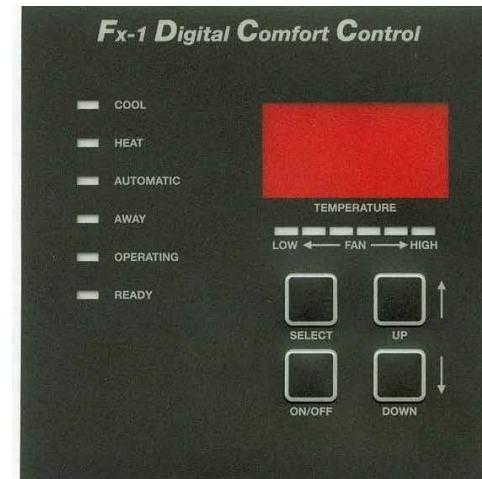
These pads are designed to be mounted under the marine air conditioning units to separate the stainless steel base from any hard mounting surface. They are constructed out of 7/8" closed cell neoprene rubber and are an excellent addition to any installation.

Small = M5/M6/M9

Medium = M12/M16

Large = M24

FX-1 DIGITAL CONTROL PANEL

**Order #: FX-1 Controller**

**Reduced price when ordered with a/c unit



MERMAID'S FX-1 DIGITAL CONTROL PANEL!

After numerous requests from our customers, we at Mermaid, have finally developed the flush mount digital display you have been looking for. With numerous added benefits like; fan speed control, dehumidification settings, auto change-over, and many more, this control is a welcomed addition to the Mermaid product line.

Size:**Panel measures 4 inches by 4 inches with a self adhesive backing.**

HORIZONTAL DEHUMIDIFIER



**Stainless
Steel!**

Order #: DP-1 (110v)
DP-2 (220v)

MERMAID'S EXCLUSIVE COMPACT STAINLESS STEEL DEHUMIDIFIER (HORIZONTAL)

Dry-Pal™ dehumidifier's compact and robust design makes it well suited for many different applications. The Dry-Pal™ is the right choice for moisture control in boats, campers, cabins or anywhere a compact energy efficient dehumidifier is desired. Its attractive stainless steel cabinet assures that it will be equally at home in a marine environment, or in your favorite recreational vehicle. The Dry-Pal™ incorporates a free-flow evaporator pan that can discharge water directly into a sink, shower or other fixture. If desired, an optional flexible piping kit can be added to discharge the water out of the conditioned space. 20-25 pint capacity (80 degrees @ 60% relative humidity)

Specs: approx. 385 watts, 175 cfm of air movement per minute, weighs 36 lbs.

Bleed Off Valve

This is a very simple bleed off valve, for installation just beyond the pump. Simply open the valve. Air escapes, and once water starts dripping through the bottom, close the valve and the water pump air lock is cleared.



Order #: 130105



Water Strainer— Small and Large

Our standard water strainer comes with a bracket and hose barbs. Barbs not pictured. Hooks to our standard 3/4" ID hose. Replacement #20 mesh filters, & "O" rings available also. Molded plastic.



Small—#18001

Large—#18005

Buck Water Strainer

Comes complete with a mounting bracket and appropriately sized house barbs. Bronze body and plastic housing and filter.

Order # 00ISB75

Mermaid Condensator Kit



This condensation removal device is ideal for boats looking to keep their bilge dry. Working on the venturi principle, this product has NO moving parts and can be added to ANY marine AC. Ensure proper water flow and off you go with a dry bilge!

Order #: 204CT.MMI



Round 4" Supply Grills (Plastic)

3840RWH	4" Round White
3840RCR	4" Round Crème
3840RGS	4" Round Tan
3840RWN	4" Round Walnut
3840RBK	4" Round Black

Metal Reducer

RED42	Reducer	4" to 2"
RED43	Reducer	4" to 3"
RED54	Reducer	5" to 4"
RED64	Reducer	6" to 4"
RED65	Reducer	6" to 5"



Seacock

Our standard bronze bodied seacock, with a convenient drain plug for winterization.

Order #: 00BBV75FSS

Bronze Foot Scoop

Our standard bronze foot scoop. For 3/4" hose size, 3" x 4" strainer for maximum hull thickness of 2-3/16". Helps keep air lock out of your water intake at high speed and keeps debris out at any speed.



Order #: 00IS75

VERTICAL DEHUMIDIFIER



**Stainless
Steel!**

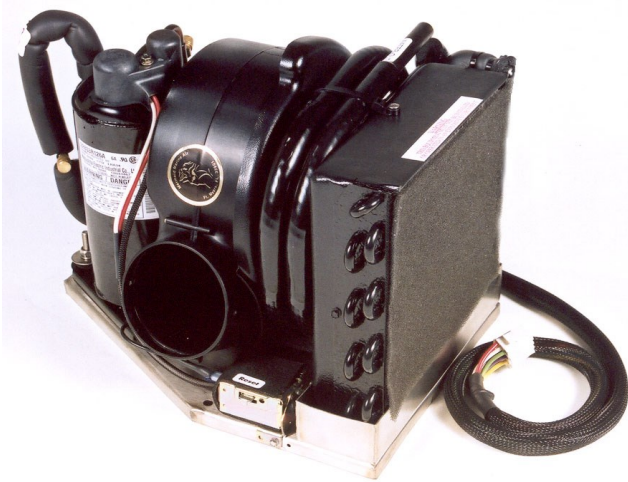
Order #: DP-1 (110v)
DP-2 (220v)

MERMAID'S EXCLUSIVE COMPACT STAINLESS STEEL DEHUMIDIFIER (VERTICAL)

Dry-Pal™ dehumidifier's compact and robust design makes it well suited for many different applications. The Dry-Pal™ is the right choice for moisture control in boats, campers, cabins or anywhere a compact energy efficient dehumidifier is desired. Its attractive stainless steel cabinet assures that it will be equally at home in a marine environment, or in your favorite recreational vehicle. The Dry-Pal™ incorporates a free-flow evaporator pan that can discharge water directly into a sink, shower or other fixture. If desired, an optional flexible piping kit can be added to discharge the water out of the conditioned space. 20-25 pint capacity (80 degrees @ 60% relative humidity)

Specs: approx. 385 watts, 175 cfm of air movement per minute, weighs 45 lbs.

M5 5,200 BTU



Dimensions:

Cool Only: L-15", W-11.5", H-12"

Reverse Cycle: L-18", W-12", H-11.5"

Weight : 38 Lbs

Amp: 4.4 Cool, 5.5 Heat

****Available in 110V OR 220V**

Blower CFM: 250

Cooling Capacity: 450 Cubic Ft.

Designed to cool up to a 26' cruiser or a 28' sailboat, used on many larger boats to cool sleeping compartments. (Universal Discharge)



M5 5,200 BTU Air Conditioner

This unit is the smallest on the market! It is manufactured with a rotatable blower for those odd angle discharge installations. We use 4" ducting and recommend a minimum of 2, 4" round supply grills with this installation. This unit will run off the new Honda EU1000i 1,000 watt portable generator while in cool mode. Another option we recommend is to use a Statpower pure sine wave 1,800 Watt Inverter and 450 amp hours of battery power and you can anchor out for one night. Electric heat is not an option on this unit.

Air Splitter - Adapter T

The air splitter is fitted on the air handler of the unit to split the supply air into two lines. The splitter has an internal divider to balance airflow. We stock 4 sizes.



- AT666 6" Inlet, 6", 6" Out AT664 6" Inlet, 6", 4" Out
- AT644 6" Inlet, 4", 4" Out AT444 4" Inlet, 4", 4" Out



Air Splitter - Adapter Y

The air splitter is fitted on the air handler of the unit to split the supply air into two lines. The splitter has an internal divider to balance airflow. We stock 4 sizes:

- AY666 6" Inlet, 6", 6" Out. AY664 6" Inlet, 6", 4" Out.
- AY644 6" Inlet, 4", 4" Out. AY444 Inlet 4",4", 4" Out

Air Splitter - Hose T

The hose T is connected downstream from the unit via a piece of duct. As above, the splitter has an internal divider to balance airflow. We stock 4 sizes.



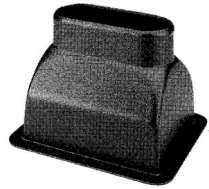
- HT666 6" Inlet, 6", 6" Out HT664 6" Inlet, 6", 4" Out
- HT644 6" Inlet, 4", 4" Out HT444 4" Inlet, 4", 4" Out



Air Splitter - Hose Y

The hose T is connected downstream from the unit via a piece of duct. As above, the splitter has an internal divider to balance airflow. We stock 4 sizes.

- HY666 6" Inlet, 6", 6" Out HY664 6" Inlet, 6", 4" Out
- HY644 6" Inlet, 4", 4" Out HY444 4" Inlet, 4", 4" Out



Transition Box, Molded Ring—Back

We stock 3 sizes. These transitions have a molded-in ring and attach at the back. Used in very specialized situations. All other size combinations from 4" to 10" available in 2-4 week lead times.

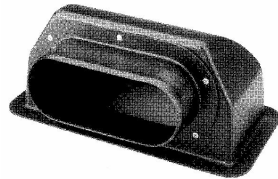
TB104-6B 10" x 4" with 6" Oval Back

TB86-6B 8" x 6" with 6" Oval Back

TB84-4B 8" x 4" with 4" Oval Back

Transition Box—Side

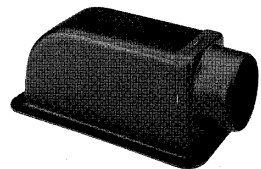
We stock 5 sizes. These transitions have attached rings on the side with the opposite side radius for focused airflow. These are used in a high number of installations. All other size combinations from 4" to 12" available in 2-4 week lead times.



TB124-6S 12" x 4" with 6" Oval Side

TB104-6S 10" x 4" with 6" Oval Side

TB104-4S 10" x 4" with 4" Oval Side



Transition Box—End

We stock 3 sizes. These transitions have attached rings on the end with the opposite side radius for focused airflow. These are used in a high number of installations. All other size combinations from 4" to 12" available in 2-4 week lead time.

TB104-4E 10" x 4" with 4" Round End

TB84-4E 8" x 4" with 4" Round End

TB44-4E 4" x 4" with 4" Round End

M6 6,500 BTU



Dimensions:

L-16", W-11.5", H-12"

(Left and Top discharge, add 1" in length)

Weight : 45 Lbs

Amp: 6.4 Cool, 7.5 Rev/Cycle Heat

Electric Heat is 18.5 amps @ 115V

****Available in 110V OR 220V**

Blower CFM: 265

Cooling Capacity: 550 Cubic Ft.

Designed to cool up to a 27' cruiser or a 30' sailboat, used on many larger boats to cool sleeping compartments. (Left Discharge Shown Above)

M6 6,500 BTU Air Conditioner

This unit is available in right, left or top air discharge configurations. This model is available in Cool Only, Cool/Electric Heat, or Cool/Reverse Cycle. We use 4" ducting and recommend a minimum of 2, 4" round supply grills with this installation. This unit will run off the new Honda eu1000i 1,000 watt portable generator while in cool mode. Another option is to use a Statpower pure sine wave 1,800 Watt Inverter and 450 amp hours of battery power and you can anchor out for one night. The electric heat option generates 5,640 BTU of heat. Electric heat option is not available in 220/240 Volts.

M9 9,000 BTU



Dimensions:

L-16", W-11.5", H-12"
(Left and Top discharge, add 1" in length)

Weight : 48 Lbs

Amp: 7 Cool, 8 Rev/Cycle Heat

Electric Heat is 18.5 amps @ 115V

****Available in 110V OR 220V**

Blower CFM: 320

Cooling Capacity: 800 Cubic Ft.

Designed to cool up to a 30' cruiser or a 32' sailboat.

(Right Discharge Shown Above)

M9 9,000 BTU Air Conditioner

This unit, the smallest 9,000 BTU unit on the market, is available in right, left or top discharge. We use 4" and 6" ducting and recommend a minimum of 3, 4" round supply grills with this installation. The M9 is our newest addition to our product line and is virtually the same size as the model 6500BTU. The electric heat option generates 5,640 BTU's and is not available in 220/240 Volt configurations.

Plastic Transition Box

Requires a round or oval ring. We stock 6 sizes. All variations from 4" to 20" are available, 2-4 week lead time.

TB84 8" x 4" Box

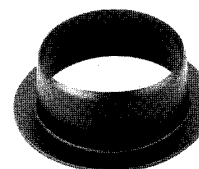
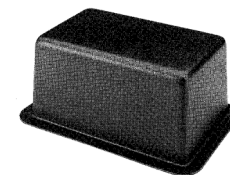
TB86 8" x 6" Box

TB77 7" x 7" Box

TB106 10" x 6" Box

TB124 12" x 4" Box

TB126 12" x 6" Box

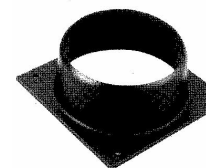


Plastic Hose Ring

Mounts on transition boxes above. Available from 3" to 8". 2-4 week lead time on non-stocked sizes. We stock 4", 5" and 6" rings.

Plastic Oval Ring

Mounts on transition boxes above. Available from 3" to 8". 2-4 week lead time on non-stocked sizes. We stock 4", 5" and 6" rings.



Hose Adapters - Mounts on Unit

Always included as part of the unit, replacements available in 4" (M6), 6" (M9/M12) and 6" (M16) sizes. Other sizes from 3" to 7" available in 2-4 weeks lead time

Order #: HA4P = M6

HA9P = M9

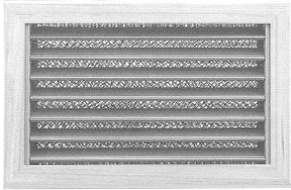
HA6P = M12

HA616P = M16

HA24P = M24

NOTE:

All other variations of grills available with 2-4 week lead time.
Prices vary by size.

**Return Air Grills (Wood Framed)**

We stock two sizes of teak. They are also available in ash, beech, cherry, mahogany, maple, oak, poplar (painted white), and walnut.

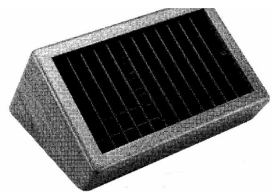
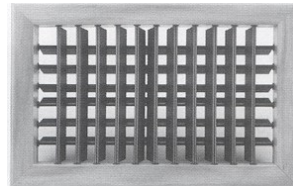
They can be ordered in sizes from 7" to 16".
Vane length shown in bold.

RAT128DF	12" x 8" Return Air
RAT1410DF	14" x 10" Return Air
RAT1412DF	14" x 12" Return Air

Supply Air Grills (Wood Framed)

We stock six sizes of teak supply air grills. They can be ordered in sizes from 4" to 16". Rear Vane length shown in bold.

VHT44	4" x 4" Supply Air
VHT84	8" x 4" Supply Air
VHT86	8" x 6" Supply Air
VHT104	10" x 4" Supply Air
VHT108	10" x 8" Supply Air
VHT124	12" x 4" Supply Air

**Wedge Supply Air Grills (Wood Framed)**

We stock six sizes of teak. They are available in similar woods as return air grills. They can be ordered in sizes from 4" to 16". Rear vane length shown in bold.

WGT44	4" x 4" Supply Air
WGT64	6" x 4" Supply Air
WGT84	8" x 4" Supply Air
WGT86	8" x 6" Supply Air
WGT104	10" x 4" Supply Air
WGT77	7" x 7" Supply Air

M12

12,000 BTU

*Dimensions:*

L-19.75", W-13", H-14.25"

Weight : 66 Lbs

Amp: 9.4 Cool, 11.4 Rev/Cycle Heat

Electric Heat is 18.5 amps @ 115V

****Available in 110V OR 220V**

Blower CFM: 382

Cooling Capacity: 1,000 Cubic Ft.

Designed to cool up to a 32'

cruiser or a 34' sailboat.

(Top Discharge Shown Above)

M12 12,000 BTU Air Conditioner

This unit is available in right, left or top discharge. The unit produces 12,000 BTU in cool mode, only 5,640 BTU in electric heat mode and 14,000 BTU in reverse cycle heat mode. We recommend at least 3 discharges for this unit. One 8" x 6" grill should be within 6 feet of the unit and at least two other discharges need to be at least the 4" round supply vents. As always, more is better. These are the minimums. Electric heat option is not available in 220 Volt configurations.

M16

16,500 BTU

**Dimensions:**

L-19.75", W-13.5", H-14.25"

Weight : 68 Lbs

Amp: 12 Cool, 13.5 Rev/Cycle Heat

Electric heat not available

****Available in 110V OR 220V****Blower CFM: 485****Cooling Capacity: 1,400 Cubic Ft.****Designed to cool up to a 40'****cruiser or a 45' sailboat.****(Left Discharge Shown Above)****M16 16,500 BTU Air Conditioner**

This unit is available in right, left or top discharge. The unit produces 16,500 BTU in cool mode, and 18,000 BTU in reverse cycle heat mode. We recommend at least 3 discharges for this unit. One 8" x 6" grill should be within 6 feet of the unit and at least two other discharges need to be the 4" round supply vents. As always, more is better. These are the minimums. The Electric Heat option is not available on this model.

The **Deluxe Installation Kit** is an excellent alternative to the **Standard Installation Kit** with its upgraded components. This package has been specifically designed to cater to those boat owners with superior quality and appearance in mind.

Deluxe Installation Kit	M5/M6	M9	M12/M16
5/8" Overboard Thru Hull—Chrome	1	1	1
1/2" Drain Hose (ft)	9	9	9
5/8" Marine Hose—Blk. Reinforced (ft)	30	30	30
3/4" Marine Hose—Blk. Reinforced (ft)	5	5	5
Teak 4x4 Supply Air Grill	2	3	2
Plastic Transition Box 4x4 with 4" Ring	2	3	2
Ball Valve (Seacock)	1	1	1
Bronze Foot Scoop	1	1	1
Buck Raw Water Strainer (Bronze)	1	1	1
Bleed Off Valve	1	1	1
6x4x4 Plastic Hose Wye	-	1	-
6x6x4 Plastic Hose Wye	-	-	1
4x4x4 Plastic Hose Wye	-	-	1
Teak Return Air Grill—12x8	1	1	-
Teak Return Air Grill—14x10	-	-	1
8x6 Plastic Transition Box with 6" Back	-	-	1
Teak 8x6 Supply Air Grill	-	-	1
4" Insulated Duct (ft.)	12.5	25	25
6" Insulated Duct (ft.)	-	6	6
Standard Marine Circuit Breaker	1	1	1
3/4" Nipple	1	1	1
PVC Elbow	1	1	1
12/3 Gauge Boat Power Cable (ft.)	20	20	20
16/3 Gauge Pump Power Cable (ft.)	20	20	20
Stainless Steel Hardware Kit	1	1	1
Tie Straps	20	20	20

All units include a **Standard Parts Kit**. This standard kit includes a Digital Programmable Thermostat, 20ft. of thermostat cable, an insulation mounting pad, and electrical box. Generally, these are the only parts required when replacing a previously installed unit.

The optional **Installation Kits**, both **Deluxe** and **Standard**, are offered as the **minimum** for each unit. Using more discharge vents and larger supply air grills is always better. You can't make a mistake by having too much air discharge. Many installations' requirements may need more or less parts than in the standard kit. We regularly customize kits for specific boats. We maintain an extensive quantity of multiple sizes of insulated and non-insulated ducting, supply air grills, return air grills, wyes, both metal and plastic, for the most difficult customized installation.

Standard Install Kit	M5/M6	M9	M12/M16
Bronze Foot Scoop	1	1	1
Ball Valve (Seacock)	1	1	1
Water Strainer/Bracket	1	1	1
Bleed Off Valve	1	1	1
3/4" Nipple	1	1	1
PVC Elbow	1	1	1
5/8" Thru Hull Overboard	1	1	1
1/2" Drain Hose (ft)	6	6	6
5/8" Marine Hose (ft)	30	30	30
3/4" Marine Hose (ft)	3	3	3
Std Marine Circuit Breaker	1	1	1
16/3 Marine Cable (ft)	20	20	20
12/3 Marine Cable (ft)	20	20	20
Stainless Steel Hardware Kit	1	1	1
Return Air Grill 10" x 10"	1	1	-
Return Air Grill 14" x 10"	-	-	1
Supply Air Grills 4" Round	2	3	2
Supply Air Grill 10" x 4"	-	-	1
10" x 4" Plastic Transition Box	-	-	1
4" Non-Insulated Duct (ft)	12.5	25	25
6" Non-Insulated Duct (ft)	-	6	6
4 x 4 x 4 Plastic Wye	1	1	1
6 x 4 x 4 Plastic Wye	-	1	-
6 x 6 x 4 Plastic Wye	-	-	1
Tie Straps	20	20	20

M24 24,000 BTU



Dimensions:
L-23", W-17", H-16.75"

Weight : 92 Lbs

Amps: 10.4 Cool (220v)

11.4 Rev/Cycle Heat (220v)

Electric heat not available

Blower CFM: 820

Cooling Capacity: 2,400 Cubic Ft.

Designed to cool 40' cruiser or a 45' sailboats and up

(Right Discharge Shown Above)

220V STANDARD

M24 24,000 BTU Air Conditioner

This unit is available in right or top discharge. The unit produces 24,000 BTU in cool mode, and 28,000 BTU in reverse cycle heat mode. We recommend at least 3 discharges for this unit. One 8" x 6" grill should be within 6 feet of the unit and at least two other discharges need to be of near equal size. As always, more is better. These are the minimums. The Electric Heat option is not available on this model.

Little Giant Pump**110 VOLT**

500 GPH

Used for lifts up to 5 feet.

Order #: IP323**Little Giant Pump****220 VOLT**

500 GPH

Used for lifts up to 5 feet.

Order #: 4XK39**Larger Pumps Available****Oberdorfer**

Available with 3/4" to 1-1/4" inlets

Ideal for multiple unit installations

Order #: Call for information**Pump Relay Box**

Allows multiple units to command one large pump. Pump only runs when at least one unit calls for it. Available for multiple units up to 6. We stock 2 & 3 unit relay boxes. 4+ relay boxes available upon request.

Pump Lift Table

GPH -----

LIFT	1 ft.	3 ft.	5 ft.	9 ft.	13 ft.	Max Lift	Amp Draw
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LITTLE GIANT PUMP

IP323	350	435	337	210	N/A	6 FT.	3.2
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Less than 250 gallons per hour flow per unit is not acceptable. Max lift is to be understood as pumps' overall capacity. NOT to be confused with pumps' acceptable operational capacity when used for marine air conditioning applications. DO NOT exceed 500 gallons per hour or your warranty will voided.

How do I decide what discharge I need?

Look at the side of the unit similar to the radiator on your car. This is the evaporator and is the side of the unit that should be placed right next to the return air grill. This is what we call the "front" of the unit. Looking at the "front", you can decide if you need air discharge from the "right", "left", or "top".

**RIGHT****TOP****LEFT**