



Self Contained Marine A/C

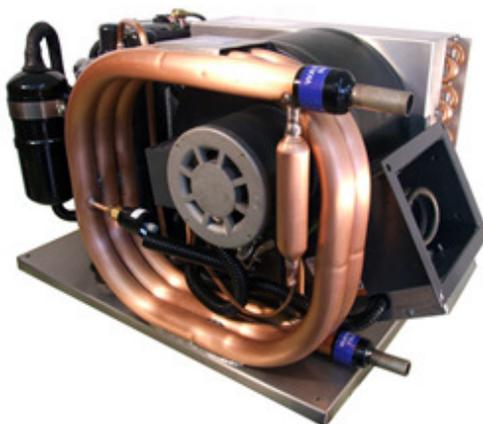
Specifications and Factory Direct Prices

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The safest, quietest, easiest to start, most efficient, reliable and most easily available.



16,500BTU - side discharge

Commercial quality,
water cooled self contained
units from 6,500 - 180,000
BTU's with digital controls
from \$1,499.00



16,500BTU



Highest quality components

Complete installation kit with everything needed for the unit except for the supply wire and breakers.

No last minute high charges.

Bronze through hull fitting and stainless overboard fitting, nickel plated fittings, ball valve, hose barbs, series stainless steel clamps, Groco strainer with MERV 11 filter, duct, wire ties, discharge return filter grill, digital return filter grill, digital temperature cable: [Installation kit](#)



Multiple grills and ALUMINUM plenum are standard - Our duct kits come with aluminum plenum and directional grills - There are no galvanized sheet metal components.



Optional teak grills in various sizes are typically in stock.



Totally pre-wired -All of our units are totally pre-wired onto two clearly marked terminal blocks - **any standard thermostat will operate all of our units.**

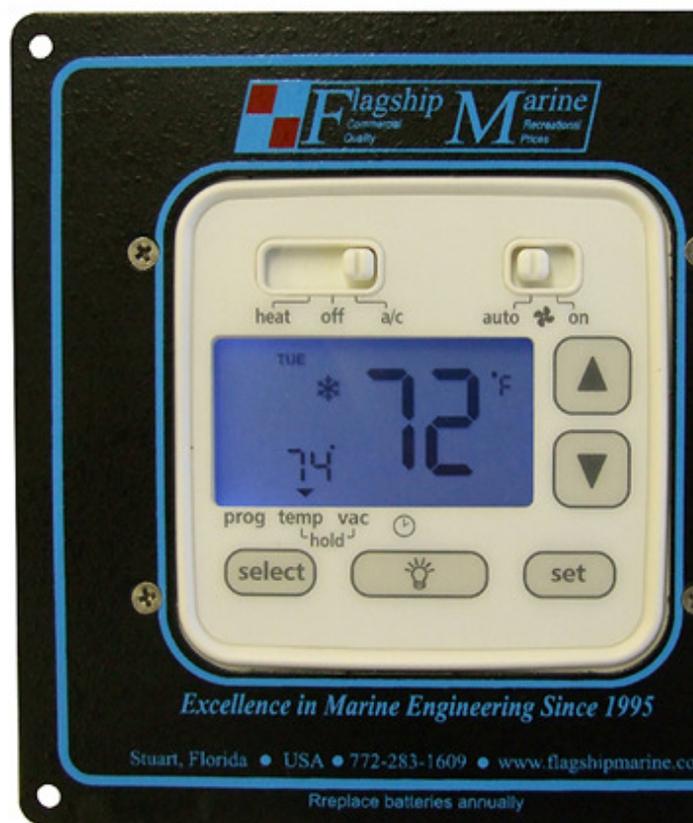
Our emphasis is on simplicity of design while incorporating the highest quality components with multiple safety controls.

Exceptional Safety - Built in circuit breaker, triple heating element safety controls as well as dual high pressure safety shutoff controls make our units the safest available!

Attractive, flush mounted digital control with backlit screen - You can use a simple manual override or take advantage of the eight programs available.

Automatically dehumidify your boat while away by programming a predetermined temperature for an hour/day.

The thermistor accurately measures the temperature of the stainless or aluminum faceplate for **excellent temperature control**. Available in black or white background.



Matsushita has been an industry leader for many years and is renowned for manufacturing high

Unbelievably quiet due to our unique mounting isolator bushings, insulated blower chamber and rotary or scroll compressors - many of our customers have actually mounted our unit under their bunk!

The Matsushita Rotary Compressors have been an industry leader for many years, and are renowned for being incredibly quiet. It's difficult to hear these compressors start, run or stop, even if you are standing right next to it!

Very easy to start - Soft start capacitors, stratified start up sequence and time delay compressor circuits in combination with our rotary or scroll compressors make our A/C unit start effortlessly - our 16,500BTU unit should be on a 25 amp breaker!

Very low start up surge - The start up surge

quality, low start up surge, quiet, durable and efficient compressors.

of these compressors is a fraction of the dinosaur like piston compressors! Millions of these compressors have been used for many years in window units - the piston compressors simply cannot meet the minimum energy efficiency standards.

Dry drain pans - The rotary and scroll compressors do not sweat and therefore **do not sweat in their own condensate and rust!** All of our single evaporator models (less than 48,000BTUs and the low profile FMAC16PLP) have **dry drain pans**- **there is a small drain pan only under the evaporator!**

Our exclusive 840 Incoloy clad tubular heating elements are almost identical to the heating element in your home electric oven, however we have coiled it into a tight coil and placed it in the discharge throat of the blower motor- it never gets red hot and therefore never "burns" the air.

Three temperature safety switches monitor this element. Dual controlling sensors as well as a blower post purge sensor which dissipates the remaining heat once the thermostat is satisfied makes this the **safest and most reliable means of heating your boat.**

Trouble free, safe and reliable electric heat works anywhere - in or out of the water - only one moving part!



We have thousands of these elements in service many years -they have been standard equipment for the US and Canadian Coast Guard's 47' M since 1996. Read about the numerous benefits electric vs reverse cycle heat at our "Electric Heat" page.



For larger applications:

These incredibly compact 60,000 BTU units have a footprint and are only 43" high. They really pack a horsepower for 660 square ft. each!

Completely self-contained, these quiet and powerful power supply line, 15 GPM of seawater (or freshwater or heat exchanger) and a condensate drain.

On a ship, four of these units will cool and heat an i area!

Huge savings can be reaped in initial equipment exp and maintenance expense - all while benefiting from

Two seamen can swap out a unit in minutes in the h of a failure.

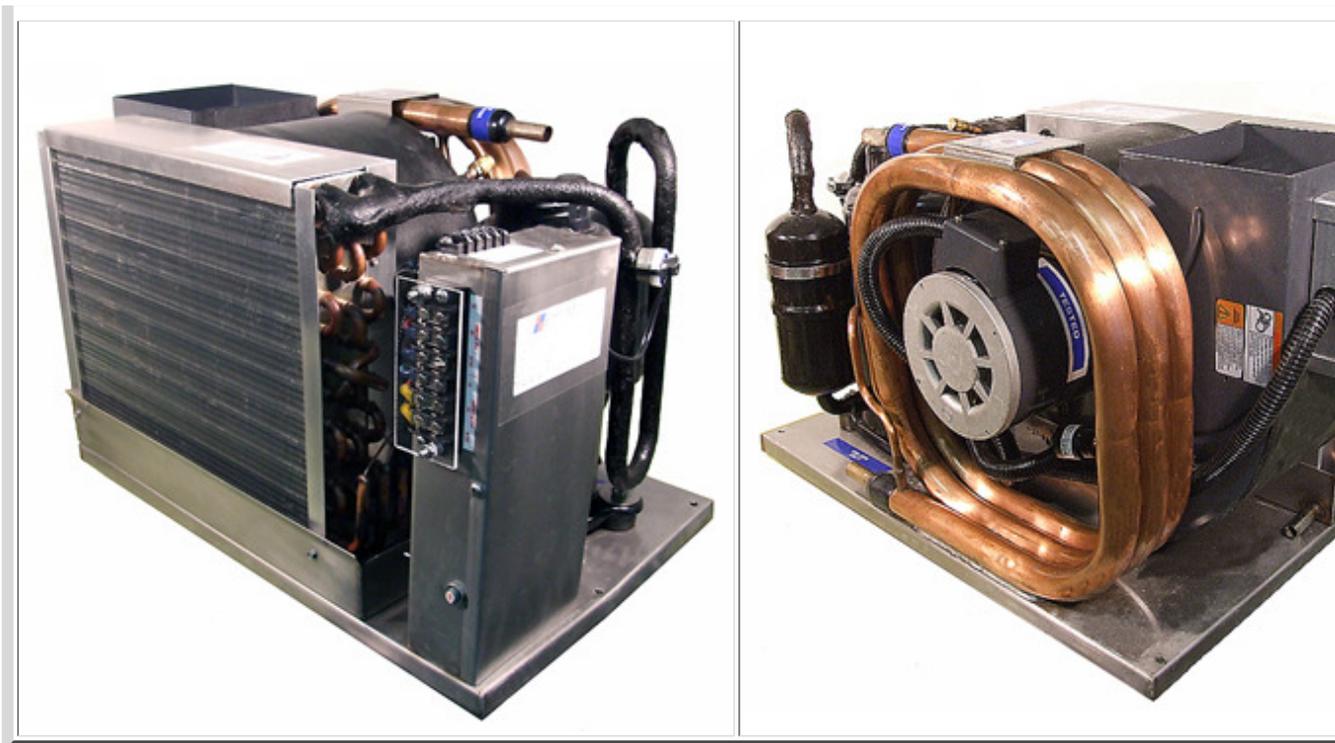


A recent addition to the Flagsl lineup is this 18,500 BTU mod

It features the most powerful but quiet volt compressor Matsushita makes, cor with a very powerful but quiet 1060RP split capacitor, 794CFM blower moto oversized three row evaporator and condenser.

This powerhouse will supply five 4" du comes with 50' of 4" thermoflex duct.

Shown is a top discharge version - also av in 230 volt.



**18,000BTUs of cooling and ONLY 10.5" high
with a rotary compressor!**



The newest addition to our line of fine equipment has been **specifically designed for Catamarans** and other applications that require low vertical dimensions.

The Tecumseh horizontal compressor made this all possible. Measures only 26.5" long x 14.50" wide x 10.5" High!

Consumer Alert!

The following kit prices include **EVERYTHING** you will need for installation except the power supply wire and breaker - there are **no last minute additional charges** for cables, multiple duct kits, sea water kits, handling, crating, boxing etc. The **ONLY** additional expense is the shipping (and sales tax for *products shipped to a Florida address only*).

We pride ourselves on having the most simple and trouble free product available - a child can follow our schematics and we truly believe in the KISS principle (keep it simple stupid), and "If I can't fix it it doesn't belong on my boat"!

Because we simply have almost zero returns, we have no inventory of factory reconditioned units and have no scratch and dent specials - we must be doing something right!

Approximate Specifications

Model	BTUs of cooling	# of 4" dischg grills supplied	Blower CFM (Cubic ft./min.)	KW of elec. heat	Length in inches/mm	Width in inches/mm	Height in inches/mm	Amps (cool) 115/230	Amps (heat) 115/230
FM6R	6,500	1	273	1.5	18.5/470	11.25/286	11.25/286	5.0/2.2	13.3/6.7
FM9R	9,000	2	485	1.5	18.50/470	11.25/286	11.25/286	8.3/4.0	13.9/6.9
FM12R	12,000	3	485	2.0	19.75/502	12.75/324	13.25/337	8.9/4.0	17.7/8.9
FM16R	16,500	3	555	2.0	19.75/502	12.75/324	13.25/337	11.3/5.7	18.1/9.0
FM18R	18,000	4	555	2.0	21.25/540	14.00/356	13.75/350	12.3/6.1	18.1/9.0
FM18RLP	18,000	4	555	2.0	26.50/674	14.50/369	10.5/267	12.9/6.4	18.1/9.0
FM18.5R	18,500	5	794	2.0	22.5/572	15.00/381	15.5/394	16.2/7.7	19.4/9.7
FM20R	20,000	5	794	2.0	24.0/610	16.0/407	17.0/432	17.1/7.7	20.3/10.2
FM24R	24,000	5	990	4.0	25.0/635	15.0/381	17.5/445	10.2-230V	20.1-230V
FM36R	36,000	5	1202	4.0	25.0/635	18.0/458	19.5/445	15.8-230V	20.1-230V
FM36SV	36,000	5	1202	4.0	16.0/407	21.00/534	30.0/762	15.8-230V	20.1-230V
FM48S	48,000	*	1650	6.0	42.0/1067	26.00/661	26.5/674	23.0-230V	28.0-230V
FM60S	60,000	*	2100	8.0	42.0/1067	26.00/661	26.5/674	26.7-230V	37.0-230V
FM60S-V	60,000	*	2100	8.0	26.0/661	23.0/585	49.0/1245	26.7-230V	37.0-230V
FM72S	72,000	*	2300	10.0	42.0/1067	26.0/661	26.5/674	28.7-230V	37.0-230V
FM96S	96,000	*	3200	12.0	42.0/1067	26.5/674	32.0/813	17.3-230/3V	26.6-230/3V
FM96SV	96,000	*	3200	12.0	28.0/712	28.0/712	60.0/1524	17.3-230/3V	26.6-230/3V
FM120S	120,000	*	3,600	16.0	42.0/1067	40.0/1016	26.5/674	28.8-230/3V	42.9-230/3V
FM120SV	120,000	*	3,600	16.0	42.0/1067	26.5/674	58.0/1474	28.8-230/3V	42.9-230/3V
FM180S	180,000	*	4,800	24.0	62.0/1575	40.0/1016	26.5/674	30.3-230/3V	44.9-230/3V
FM180SV	180,000	*	4,800	24.0	60.0/1524	26.5/674	60.0/1524	30.3-230/3V	44.9-230/3V

* The larger units usually have a single 12" duct or 3-4 6" ducts - we will supply whatever your par application requires at no additional charge.

R=Rotary compressor S=Scroll compressor LP = Low profile

Our aluminum discharge plenums attach directly to the discharge flange of the blower motor, makin attaching the ducts a simple task: add about 6" to the length of the unit for a side discharge unit or 6 height for a top discharge unit. (about 8" for units larger than 20,000 BTUs)

One ton of cooling =12,000 BTUs/hour. One BTU is the amount of thermal energy required to raise temperature of one pound of water one degree F. One calorie is the amount of thermal energy requi raise the temperature of one cubic centimeter of water 1°C. Units' BTUs are rated in BTUs/hour of

Factory Direct Sales and Dealer Prices

Suggested Retail Price- add 25%

No sales tax unless shipped to a Florida address!

Model	BTUs A/C	Unit with Digital Control Only	Unit With Digital Control & Standard Installation Kit (Fresh water use)	Unit With Digital Control & Deluxe Installation Kit (Fresh or Salt water use)	Optional Incoloy Clad Electric Heat
FM6R	6,500	\$1,499.00	\$1,774.00	\$1,824.00	\$179.95
FM9R	9,000	\$1,599.00	\$1,874.00	\$1,924.00	\$179.95
FM12R	12,000	\$1,699.00	\$1,974.00	\$2,024.00	\$179.95
FM16R	16,500	\$1,799.00	\$2,074.00	\$2,124.00	\$179.95
FM18R	18,000	\$1,899.00	\$2,174.00	\$2,224.00	\$179.95
FM18R-LP	18,000	\$1,999.00	\$2,274.00	\$2,324.00	\$179.95
FM18.5R	18,500	\$1,999.00	\$2,274.00	\$2,324.00	\$179.95
FM20R	20,000	\$2,499.00	NA	\$2,824.00	\$179.95
FM24R	24,000	\$2,649.00	NA	\$2,999.00	\$249.95
FM36R	36,000	\$3,199.00	NA	\$3,549.00	\$249.95
FM48S	48,000	\$4,499.00	NA	\$4,874.00	\$499.95
FM60S	60,000	\$4,699.00	NA	\$5,074.00	\$499.95
FM72S	72,000	\$5,499.00	NA	NA	\$749.95
FM96S	96,000	\$8,299.00	NA	NA	\$999.95
FM120S	120,000	\$9,999.00	NA	NA	\$1189.95
FM180S	180,000	\$18,999.00	NA	NA	\$1549.95

R=Rotary compressor P=Piston compressor S=Scroll compressor LP = Low profile

All prices are subject to change without notice, FOB Stuart, Florida. All equipment shipped to a Florida location are subject to sales tax unless we have a current sales tax exemption certificate on file at our offices.

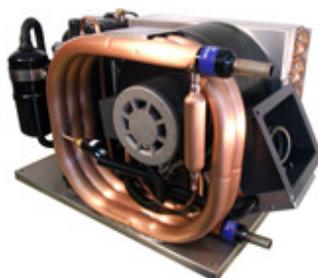
Add 10% for vertical configuration units. For 230 volt: models up to 20,000 BTUs add \$135.00 for 60Hz and \$225.00 for 50Hz. All units over 20,000 BTUs are standard 230/60/1. Higher voltages, triple phase and 50Hz available for an additional fee. Custom sizes available for additional fee.

Manufactured with Pride in the USA

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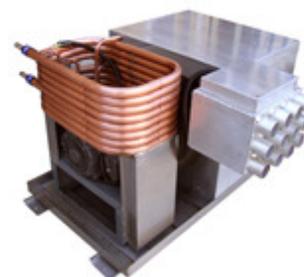
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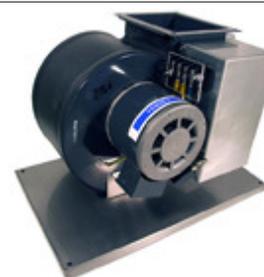
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