



# K2 Air Systems

Catalogue  
2023

Marine Air Conditioning

QUALITY

PERFORMANCE

INNOVATION





## Marine Series Air Conditioners & Accessories

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# K2-KMSC Series

Self-Contained unit  
from 8000 BTU/h to 36,000 BTU/h

Designed & Manufactured to Middle  
East Specifications

Controls Designed & Developed  
in the USA



K2 Air System's self-contained air-conditioning units are the perfect solution for boats and yachts with one to four cabins. Self-contained units are very compact, easy to retrofit, efficient and quiet. Choose from K2's full line of self-contained Air Conditioning systems.

• Marine Air Conditioning Units Available in 220V 50Hz, 115V 60Hz

- Fitted with anti vibration mounts
- B10 Cupronickel sea water condensers
- Low Amp draw and quite operation
- 316 Stainless Steel drain pan
- Environmentally safe R410A refrigerant



### Rotatable Blower

High-Velocity blower that can be rotated to fit most customers' needs. Rotatable to 270 degrees, making ducting installation easier.



### Digital Touch Control

A 2.5" Color Display with the latest technology in the industry, including numerous programmable parameters, operational features, and much more.

MODEL	BTU, Amps 230 Volt	DIMENSIONS DxLxH
K2KMSC 08CK	8000Btu 3.5AMPS	238X400X280
K2KMSC 12CK	12000Btu 4.5AMPS	285X480X298
K2KMSC 16CK	16000Btu 5.3AMPS	315X520X338
K2KMSC 18CK	18000Btu 6.4AMPS	345X550X398
K2KMSC 24CK	24000Btu 7.9AMPS	400X605X458
K2KMSC 27CK	27000Btu 7.9AMPS	400X605X458
K2KMSC 30CK	30000Btu 10.2AMPS	400X605X458
K2KMSC 36CK	36000Btu 12.8AMPS	440X645X460

*The Specifications are subject to change without notice.*

**HIGH COOLING CAPACITY**

**ENHANCED PERFORMANCE**

**NEAR SILENT OPERATION**

# K2-KMC Series

Marine Condensing unit from 7000 BTU/h to 48,000 BTU/h

Designed & Manufactured to Middle East Specifications

Controls Designed & Developed in the USA



For Boats Up to 24 Meters (80 Feet)

Split air conditioning systems have the condensing unit and air handler installed in different locations.

The condensing unit is mounted in the engine room or other mechanical space. The air handler (also called the evaporator) is installed in the living area. Two air handlers can connect to one condensing unit.

Available in 230V 50Hz, 230V 60Hz, 115V 60Hz

Single Phase

Base valves for easy installation and maintenance

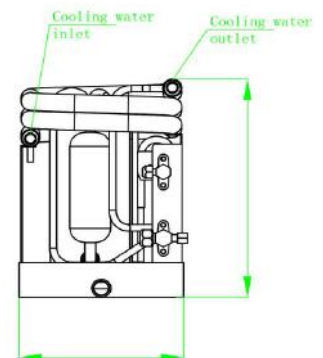
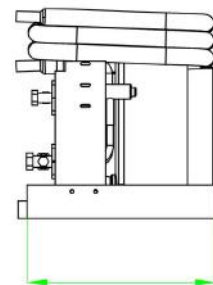
Fitted with anti vibration mounts

B10 Cupronickel sea water condensers

Low Amp draw & quite operation

Rust-free Stainless Steel pan

Environmentally safe R410A refrigerant



MODEL	BTU, Amps 230 Volt	DIMENSIONS DxLxH
K2KMC07CK	7000 Btu 4.0 AMPS	250x300x220
K2KMC10CK	10000 Btu 4.0 AMPS	280x315x220
K2KMC12CK	12000 Btu 4.5 AMPS	280x220x315
K2KMC16CK	16000 Btu 5.0 AMPS	330x250x310
K2KMC24CK	24000 Btu 5.9 AMPS	330x250x365
K2KMC30CK	30000 Btu 13.5 AMPS	330x250x365
K2KMC36CK	36000 Btu 13.5 AMPS	330x250x408
K2KMC48CK	48000 Btu 19.8 AMPS	350x400x500

*The Specifications are subject to change without notice.*

**HIGH COOLING CAPACITY**

**ANTI VIBRATION**

**EASY INSTALLATION**

# K2-KME Series

Marine Evaporator unit from  
5000 BTU/h to 36,000 BTU/h

Designed & Manufactured to Middle  
East Specifications

Controls Designed & Developed  
in the USA



One or more evaporator units in a single or multiple cabins are fitted. 2 no.s of evaporator units are operational with Single Split-Gas system to generate the required cooling capacities individually in each room.

Available in 230V 50Hz, 230V 60Hz, 115V  
60Hz

Single Phase

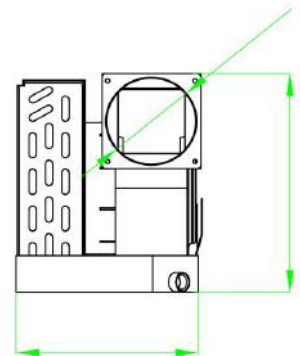
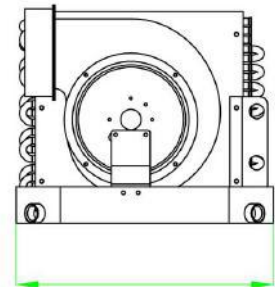
Base valves for easy installation and  
maintenance

Fitted with anti vibration mounts

Low Amp draw & quite operation

Rust-free Stainless Steel pan

Low noise scroll blower



MODEL	BTU, Amps 230 Volt	DIMENSIONS DxDxH
K2KME05CK	5000Btu 0.34AMPS	277X380X261
K2KME07CK	7000Btu 0.44AMPS	277X380X261
K2KME10CK	10000Btu 0.44AMPS	318X440X310
K2KME12CK	12000Btu 0.65AMPS	318X440X310
K2KME16CK	16000Btu 0.87AMPS	346X500X355
K2KME24CK	24000Btu 1.30AMPS	373X560X430
K2KME36CK	36000Btu 1.52AMPS	426X610X430

*The Specifications are subject to change without notice.*

**HIGH COOLING CAPACITY**

**ANTI VIBRATION**

**EASY INSTALLATION**

# K2-KCFP Series

Marine Fan Coil unit from  
5000 BTU/h to 36,000 BTU/h

Designed & Manufactured to Middle  
East Specifications

Controls Designed & Developed  
in the USA



KCFP Fan coil is with novel design and compact structure, it can be installed under the ambry, berth or other enclosed spaces in the cabin and supply the cooling air to everywhere by using a flexible air duct and grilles.

Available in 230V 50Hz, 230V 60Hz, 115V  
60Hz

Single Phase

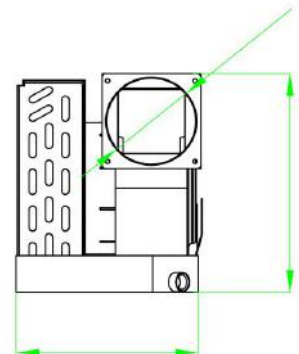
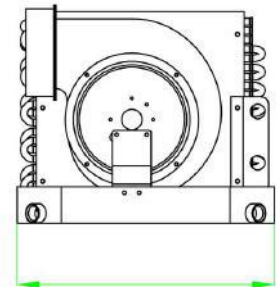
Base valves for easy installation and  
maintenance

Fitted with anti vibration mounts

Low Amp draw & quite operation

Rust-free Stainless Steel pan

Low noise scroll blower



MODEL	BTU, Amps 230 Volt	DIMENSIONS DxDxH
<b>K2KME 12CK</b>	<b>12000Btu 0.65AMPS</b>	<b>318X440X310</b>
<b>K2KME 16CK</b>	<b>16000Btu 0.87AMPS</b>	<b>346X500X355</b>
<b>K2KME 24CK</b>	<b>24000Btu 1.30AMPS</b>	<b>373X560X430</b>

*The Specifications are subject to change without notice.*

**HIGH COOLING CAPACITY**

**ANTI VIBRATION**

**EASY INSTALLATION**

# K2-K24 Series

Marine Evaporator unit from  
12000 BTU/h to 32,000 BTU/h

Designed & Manufactured to Middle  
East Specifications

Controls Designed & Developed  
in the USA



The cassette type evaporator unit is an open-ended device because it can be suspended in the ceiling, it does not occupy any space. Moreover, its aesthetically appealing. Therefore, in many commercial boats space is a concern and the K2-4 Series is the preferred choice by many. 2 no.s of evaporator units are operational with Single Split-Gas system unit to generate the required cooling capacities individually in each room.

Available in 230V 50Hz, 230V 60Hz, 115V  
60Hz

Single Phase

Mounts for easy installation

Fitted with anti vibration mounts

Low Amp draw

Quite operation

Aesthetically appealing design

Low noise scroll blower

MODEL	BTU, Amps 230 Volt	DIMENSIONS DxLxH
K2-85K2-4	12000 Btu 0.34 AMPS	705x705x290
K2-102K2-4	18000 Btu 0.44 AMPS	705x705x290
K2-136K2-4	30000 Btu 0.44 AMPS	705x705x290
K2-170K2-4	32000 Btu 0.65 AMPS	832x832x290

*The Specifications are subject to change without notice.*

**LESS SPACE REQUIRED**

**MARINE STANDARD**

**EASY INSTALLATION**

# K2-KKSC Series

DC Air Conditioning Units  
from 5,000 BTU/h to 12,000 BTU/h

Designed & Manufactured to Middle  
East Specifications

Controls Designed & Developed  
in the USA



Ideal for small boats with a cuddy cabin. The KKSC Series can be operated with batteries or at the dockside with a battery charger. The range varies from 5000 Btu all the way up to 12000 Btu with very low Amp consumption.

DC marine Air Conditioning Units  
Available in 12V, 24V, 48V

Fitted with anti vibration mounts

B10 Cupronickel sea water condensers

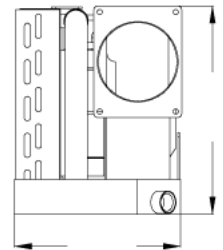
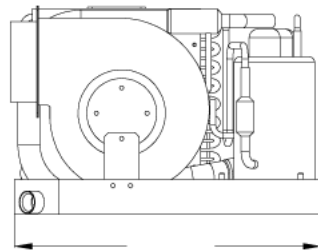
Low Amp draw and quite operation

Rust-free Stainless Steel drain pan

CE certified product range

Scroll Blowers

Copeland and Toshiba compressors



MODEL	BTU	VOLTS	AMP
K2KKSC3.5-12V	3500 BTU	12 V	27
K2KKSC07-12V	7000 BTU	12 V	28
K2KKSC12-12V	12000 BTU	12 V	44
K2KKSC3.5-24V	3500 BTU	24 V	13
K2KKSC07-24V	7000 BTU	24 V	23
K2KKSC12-24V	12000 BTU	24 V	30
K2KKSC08-48V	8000 BTU	48 V	11.5
K2KKSC12-48V	12000 BTU	48 V	20

*The Specifications are subject to change without notice.*

**ENHANCED PERFORMANCE**

**HIGH AIR FLOW**

**NO GENERATOR REQUIRED**



# K2-HTK Series

Portable Self-Contained Air Conditioning Units  
from 5,000 BTU/h to 12,000 BTU/h

Deck mount Units / Thru-Hatch  
Air Conditioners



Beat the heat with easy-to-install, portable drop-in air conditioner. Compact and can be installed in a matter of minutes. Just set it over on the deck and fix in the ducting, adjust the hood snugly over the opening, enter the cabin, plug it in and voila- you now have cool dry air.

AC marine Air Conditioning Units  
Available in 220V/50-60Hz

Fitted with anti vibration mounts

Copper condensers

Low Amp draw and quite operation

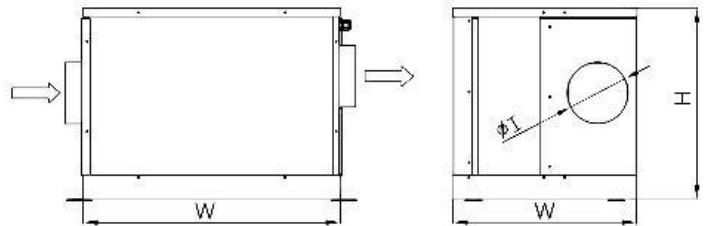
Aluminium powder coated drain pan

CE certified product range

Copeland and Toshiba compressors

Automatic bilge spray for evaporator

IPX 4 Class



MODEL	BTU	VOLTS	DIMENSION LxWxH	DIMENSIONS LxWxH
K2-HTK-20T	7000 Btu	220V	3.8	460x350x442
K2-HTK-25T	10000 Btu	220V	4.5	530x400x467
K2-HTK-28T	12000 Btu	220V	5.9	530x400x467
K2-HTK-35T	16000 Btu	220V	7	630x450x467

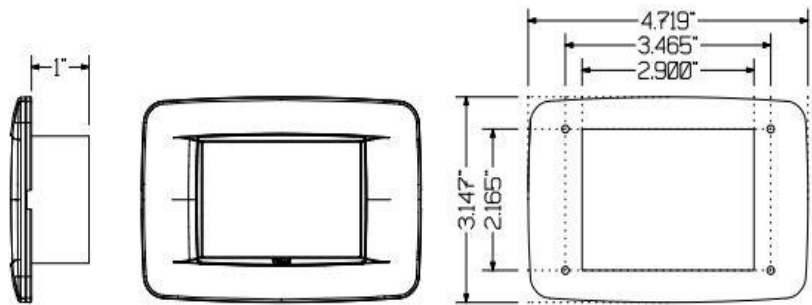
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**ENHANCED PERFORMANCE**

**HIGH AIR FLOW**

**REMOTE CONTROLLED**

Version E-Max I  
E-Touch II



## E-Max I

User-friendly and intuitive 2.5" touch screen display requires no manual for basic operation

Provides all operational features and modes of any cabin control in the marine industry

Built-in inside temperature sensor

24/7 Humidity Monitoring Keeps Your Boat Dry

LCD technology

CE certified product range

Additional option with wifi controller



## E-Touch II

**EASY TO OPERATE**

**LCD TOUCH SCREEN**

**BUILT IN TEMP SENSOR**

## Advanced Soft Starter



EasyStart is a one-of-a-kind, custom-developed soft starter for single-phase motors. It employs a 4-part start ramp sequence that is self-optimizing, resulting in the lowest possible start-up current. EasyStart can deliver 65-75% start current reduction as compared to a compressor's LRA (locked-rotor amperage). EasyStart is the perfect solution that allows an air conditioner or refrigeration compressor to operate on a generator, inverter, or limited utility power when it would otherwise not have functioned. It can also be applied to air compressor and fluid pump motors.

Available in 230V - 115V

Compressor Protection Feature

Start Your A/C Without Buying A Second or Bigger Generator or Inverter

Run 2 air Conditioners On A 30-Amp Cord

Sleep, with less noise, And Cool All Through The Night

Run Your A/C with more Appliances At The Same Time

The EasyStart is capable of supporting up to a 72000 BTU (5 ton) compressor.

It includes a fully-weatherproof (IP65), flameproof, plastic enclosure with an integrated mounting flange and a 40" (1m) wire harness.

CE certified product range

Specialized models exist for various applications.



**LIMITED POWER SOURCE REQUIRED**

**FROM 13000 UP TO 72000 BTU**

Pumps for liquid salt water



**K2 PUMP**

TYPE: MAGNETIC

MODEL	MAX FLOW RATE	MAX HEAD	BTUS
K2-20CK	32 LPM	4.3 M	*24000
K2-30CK	38 LPM	5.4 M	*30000
K2-40CK	45 LPM	4.6 M	*36000
K2-55CK	60 LPM	5.6 M	*48000
K2-70CK	86 LPM	6.7 M	*70000
K2-100CK	120 LPM	8.6 M	*96000



**CALPEDA**

TYPE: BRONZE

MODEL	MAX FLOW RATE	MAX HEAD	BTUS
BCM 16-1PH	2.40 cm/h	5.0 M	*30000
BCM 20-1PH	4.80 cm/h	12.30M	*54000
BCM 22-1PH	6.60 cm/h	21M	*78000
BCM 41/1E	15 cm/h	17.70M	*186000
BC 41-3PH	15 cm/h	19M	*186000

**MARCH PUMP**

TYPE: MAGNETIC



MODEL	MAX FLOW RATE	MAX HEAD	BTUS
MARCH AC-3CP MD 230V	33LPM	4.5M	*36000
MARCH AC-5C 230V	60LPM	6M	*60000
MARCH LC-2C 230V	18.5LPM	2.7M	*12000
MARCH LC-3CP MD 230V	31LPM	4.3M	*36000
MARCH LC-5C 230V	54.8LPM	6M	*60000



[www.k2airsystems.com](http://www.k2airsystems.com)

