/ Air Conditioning
/ Accessories

CLIM


MATE

STAY COOL

Marine climate systems suitable for retrofit application

Whether you have a small leisure boat or a super yacht with multiple cabins, Dometic can always provide a tailor-made air conditioning solution that's a perfect fit for you and your travel habits. Here is the essence of our retrofit programme: a rooftop A/C system for large vessels and houseboats; useful accessories for installation, energy management and clean air on board; not forgetting – our well proven complete kits for self-installation. For the latter we offer optional sound cover that reduces the compressor noise of these quiet systems by another 50 %.

1. Air Conditioning

For fast and easy retrofitting: Dometic Marine Climate Systems integrate cooling, dehumidification and heating in one compact unit. The complete sets come with all required installation materials and a user-friendly control panel.

2. Accessories

All you need for easy installation and convenient use: ventilation grilles, air distribution kit, air purifier, centrifugal seawater pumps, stylish and smart displays and controls. Plus, a sound cover to make a quiet compressor even quieter.

PLANNING AN AIR CONDITIONING SYSTEM FOR YOUR BOAT

In order to find the ideal air conditioning solution for your boat or yacht, you should consider the following six factors*:

1. Calculating the required system capacity

To calculate the required A/C capacity, divide your boat into three areas:

Below deck: Cabins where the hull slopes inward toward the keel with minimal port lights and hatches.

Mid-deck: Areas on the main deck with small or shaded windows.

Above deck: Areas with large glass surfaces and direct sunlight. Calculate the area of each space to be air-conditioned.

It is assumed that your boat has an average headroom of about 6.5 feet (2 metres). Next, multiply the area by its load factor to determine the required capacity in BTU/h. Use the table below to find the appropriate load factor for each space and for different locations.

Climate	Below Deck	Mid Deck	Above Deck
	Load factor, BTU/h per ft²		
Temperate[1]	60	90	120
Tropical[2]	90	120	150
Arabic Gulf[3]	120	150	180
	Load factor, BTU/h per m²		
Temperate[1]	646	969	1,292
Tropical[2]	969	1,292	1,615
Arabic Gulf[3]	1,292	1,615	1,938

1. 95 °F (35 °C) air, 95 °F (35 °C) seawater, moderate humidity.
2. 105 °F (41 °C) air, 95 °F (35 °C) seawater, high humidity.
3. 122 °F (50 °C) air, 104 °F/40 °C seawater, 95% humidity.

2. The number of units needed and their location(s)

Both are determined by the size and layout of the boat and space limitations for the installation of ducting and plumbing. Consider which areas require their own cabin control and which cabins will be supplied by ducting or a secondary air handler. Temperature control is then only possible by reducing the airflow with an adjustable grille or by controlling the fan speed.

Please ensure that there is enough space around the unit for servicing and the installation of an air outlet duct to a high point in the cabin.

When designing air distribution ductwork, it is important to keep note of air return and supply. Air must have a way to return to the air handler. Taking air from one room and ducting to another may cause negative and positive pressure issues. Negative spaces may become dangerous as make-up air may come from bilges or engine rooms.

3. The seawater cooling system

This system consists of a through-hull fitting, a seacock (water valve), a seawater filter, a pump, a seawater discharge fitting, and a hose or pipe. Dometic recommends centrifugal seawater pumps because of their maximum efficiency and long service life. The ideal solution calls for all onboard air conditioning systems to use a single pump, which must of course have sufficient capacity. The basic rule for calculating the required capacity assumes a flow rate of 3 gal/min (11.3 L/min) per ton of air conditioning (1 ton = 12,000 BTU/h). See the table below for examples.

System Capacity	Seawater Flow Rate	Through-Hull Inlet Size
12,000 BTU/h (3,517 W)	3 gal/min (11 L/min)	1/2 in (13 mm)
24,000 BTU/h (7,034 W)	6 gal/min (23 L/min)	3/4 in (19 mm)
48,000 BTU/h (14,067 W)	12 gal/min (45 L/min)	1 in (25 mm)

4. Duct and grille sizes

Cross-section and size are based on the air conditioning system's capacity in BTU/h. (1 ton = 12,000 BTU/h). See the table below for examples.

System Capacity	Duct Diameter	Supply-Air Grille	Return-Air Grille
6,000 BTU/h (1,758 W)	4 in (10.16 cm)	32 in² (206 cm²)	64 in² (413 cm²)
8,000 BTU/h (2,344 W)	5 in (12.7 cm)	48 in² (310 cm²)	80 in² (516 cm²)
10,000 BTU/h (2,931 W)	6 in (15.2 cm)	60 in² (387 cm²)	100 in² (645 cm²)
12,000 BTU/h (3,517 W)	6 in (15.2 cm)	70 in² (452 cm²)	130 in² (839 cm²)
16,000 BTU/h (4,689 W)	7 in (17.8 cm)	80 in² (516 cm²)	160 in² (1,032 cm²)
18,000 BTU/h (5,275 W)	7 in (17.8 cm)	100 in² (646 cm²)	200 in² (1,291 cm²)
27,000 BTU/h (7,913 W)	8 in (20.4 cm)	140 in² (904 cm²)	240 in² (1,549 cm²)
30,000 BTU/h (8,792 W)	2 × 6 in (2 × 15.2 cm)	150 in² (968 cm²)	250 in² (1,613 cm²)

5. Cabin Controls

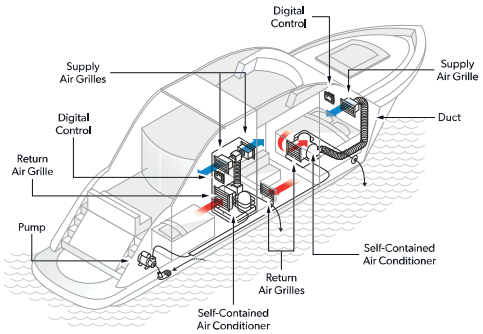
Dometic offers a complete line of cabin controls that can be found in the catalogue.

6. Electrical requirements

All Dometic air conditioning systems are available in 50 Hz or 60 Hz versions and in all standard voltages. All electrical information is listed in the product data sheets. When at port, the power connection must also be dimensioned accordingly. For easy start-up with less current, see the SmartStart product later in the catalogue.

* These methods are for estimation only. Detailed heat load analysis is required for exact BTU/h requirements.

THE THREE TYPES OF MARINE AIR CONDITIONING

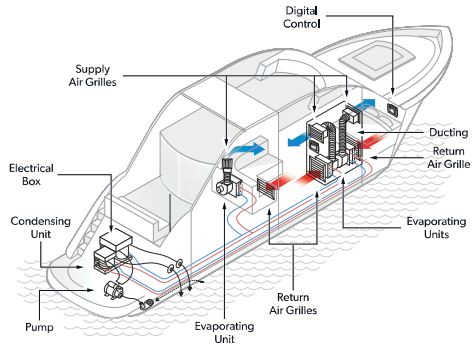


Self-Contained Systems

All major components (compressor, condenser, evaporator, and blower) are mounted on a single chassis, which is installed under a bunk, settee, or in a locker.

An air-conditioning unit of this type can either cool a single cabin or can be connected to two or more cabins by ductwork.

The ideal solution for boats up to 40 ft (12 m) due to lower cost of units and installation.



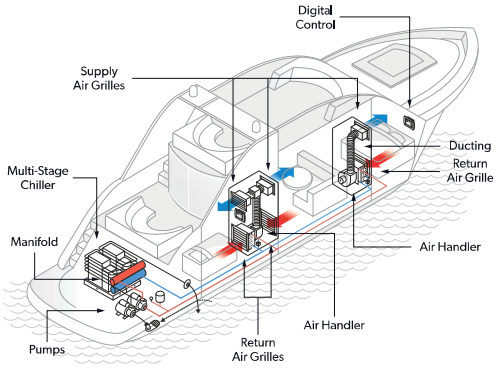
Split-Gas Systems (also called Centralized A/C)

In these systems, the condenser and evaporator units are installed separately at different locations. The two components are then connected via insulated copper refrigerant tubing connects. **Note:** the maximum length of refrigerant tubing is 50 ft (15 m).

- The condensing unit (compressor, seawater condenser, and electrical components) mounts in engine room or other mechanical space.
- The evaporator unit installs in the living area.

Two air handlers can be connected to one condensing unit to cool multiple cabins or a single large area, providing a space-saving, quiet A/C solution.

Ideal for boats up to 80 ft (24 m). **Note:** the system must be charged with refrigerant by a certified technician.



Chilled (circulated) Water Systems

Installed in the engine room, the chiller circulates cold or hot fresh water in a closed circuit to all of the rooms to be air-conditioned. Air handlers then cool or heat the living spaces. These systems require two pumps; one for the sea water and another for the chilled water.

Chillers offer flexible load management and a reduced peak electrical load.

Chiller systems are well suited for boats over 80 ft (24 m). This is because there is no limitation on the number of air handlers in a system, or on the distance from the chiller to the air handlers.

DOMETIC TURBO DTG SELF-CONTAINED A/C

Designed from the inside out with multiple patented innovations, the Turbo continues to evolve with even more enhanced design features and options.

INCREASED EFFICIENCY
SAVES POWER

MORE COOLING
HIGHER CAPACITY

SAVES SPACE
COMPACT DESIGN

AC

115 V / 60 Hz
230 V / 60 Hz
220–240 V / 50 Hz

6,000–
16,000 BTU/h

REVOLUTIONARY TURBO

The Turbo series completely revolutionized self-contained boat air conditioning with patented innovations in system design. Energy-efficient, high capacity, and compact, the Turbo is a tough but elegant solution that keeps getting better. Technicians often encounter a tight squeeze when installing a new A/C unit on a boat, but the Turbo was designed to make installation fast and simple.

Key benefits

- Available in 230 V/50 Hz, 230 V/60 Hz, 115 V/60 Hz
- Designed from the inside out with multiple patented innovations
- Compact design uses less space
- Vibration-isolation mounts reduce noise and vibration
- Rust-free composite drain pan
- Engineered to maximise the performance
- Positive flow composite drain pan
- Available from 6k to 16k BTU

Quiet
Vibration-isolation mounting clips reduce vibration and noise.

Upgrade
Optional sound cover further reduces compressor noise by up to 50 %.

Worry-free
Composite drain pan will not rust.

Dometic Turbo DTG

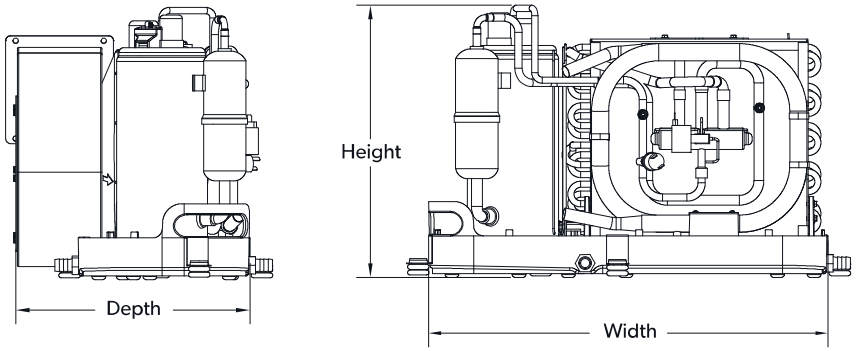
Marine Climate System

MODEL	DTG6			DTG8			DTG10		
Capacity[1] (BTU/h)	6,000			8,000			10,000		
Voltage (V)	115	230	230	115	230	230	115	230	230
Cycle[2] (Hz) **/Phase** (Ph)	60 / 1	60 / 1	50 / 1	60 / 1	60 / 1	50 / 1	60 / 1	60 / 1	50 / 1
Full Load Amps (FLA) Cool (A)	4.4	2.0	1.9	5.5	2.9	3.2	6.3	3.2	3.1
Full Load Amps (FLA) Heat (A)	5.8	2.6	2.4	6.9	3.7	3.8	8.1	4.1	3.9
Full Load Amps (FLA) Blower (A)	0.8	0.4	0.4	1.3	0.7	0.8	1.1	0.6	0.5
Locked Rotor Amps (LRA) (A)	25.5	10.0	10.9	28	15.0	16.8	41.5	21.0	24.4
Max. Circuit Breaker (A)	18	9	8	21	12	12	29	15	15
Min. Circuit Ampacity (A)	10	5	4	12	7	7	17	9	8
Refrigerant Type	410A			410A			410A		
Min. Height* (in/mm)	11.4 / 29.0			11.4 / 29.0			12.2 / 31.0		
Max Width* (in/mm)	17.8 / 45.2			17.8 / 45.2			20 .4 / 51.8		
Max. Depth* (in/mm)	10.7 / 27.2			10.7 / 27.2			12.4 / 315		
Min. Duct Size Diameter* (in/mm)	4 / 10.16			5 / 12.7			6 / 15.2		
Min. Supply Air Grille Size* (in^2/cm^2)	32 / 206			48 / 310			60 / 387		
Min. Return Air Grille Size* (in^2/cm^2)	64 / 413			80 / 516			100 / 645		
Net Weight (lbs/kg)	38.0 / 17.2	38.0 / 17.2		41.0 / 18.6	43.0 / 19.5		53.0 / 24.0	52.0 / 23.6	
Gross Weight (lbs/kg)	44.0 / 20.0	44.0 / 20.0		48.0 / 21.8	50.0 / 22.7		62.0 / 28.1	61.0 / 27.7	

1. BTU and electrical data are based on a 45 °F/7.2 °C evaporator and 100 °F/37.8 °C condenser in cool mode, and a 45 °F/7.2 °C evaporator and 130 °F/54.4 °C condenser in heat mode.
2. 60 Hz units must not operate at 50 Hz and 50 Hz units must not operate at 60 Hz unless data plate states otherwise.

* All dimensions ± 0.30 in/8 mm.

† All weights ± 10%.



Dometic Turbo DTG

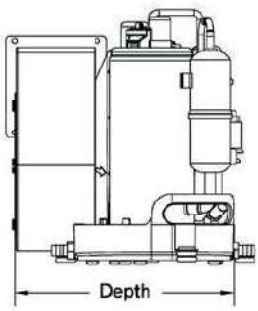
Marine Climate System

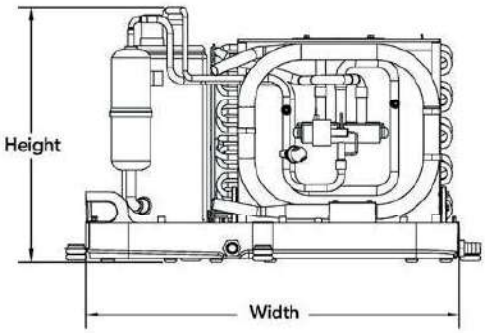
MODEL	DTG12			DTG16		
Capacity[1] (BTU/h)	12,000			16,000		
Voltage (V)	115	230	230	115	230	230
Cycle[2] (Hz) **/Phase** (Ph)	60 / 1	60 / 1	50 / 1	60 / 1	60 / 1	50 / 1
Full Load Amps (FLA) Cool (A)	7.7	3.8	4.4	10.3	5.5	4.7
Full Load Amps (FLA) Heat (A)	10.2	5.0	5.2	13.4	7.0	6.0
Full Load Amps (FLA) Blower (A)	1.1	0.6	0.5	1.6	0.8	0.6
Locked Rotor Amps (LRA) (A)	50.5	26.7	28.4	61.0	26.9	29.4
Max. Circuit Breaker (A)	35	19	18	44	23	21
Min. Circuit Ampacity (A)	20	11	10	25	13	12
Refrigerant Type	410A			410A		
Min. Height* (in/mm)	12.2 / 31.0			13.3 / 33.8		
Max Width* (in/mm)	20.4 / 51.8			21.5 / 54.6		
Max. Depth* (in/mm)	12.4 / 31.5			13.3 / 33.8		
Min. Duct Size Dia.* (in/mm)	6 / 15.2			13.3 / 33.8		
Min. Supply Air Grille Size* (in^2/cm^2)	70 / 452			80 / 516		
Min. Return Air Grille Size* (in^2/cm^2)	130 / 839			160 / 1032		
Net Weight (lbs/kg)	53.0 / 24.0	53.0 / 24.0		57.0 / 25.9	58.0 / 26.3	
Gross Weight (lbs/kg)	62.0 / 28.1	62.0 / 28.1		66.0 / 29.9	67.0 / 30.4	

1. BTU and electrical data are based on a 45 °F/7.2 °C evaporator and 100 °F/37.8 °C condenser in cool mode, and a 45 °F/7.2 °C evaporator and 130 °F/54.4 °C condenser in heat mode.
2. 60 Hz units must not operate at 50 Hz and 50 Hz units must not operate at 60 Hz unless data plate states otherwise.

* All dimensions ± 0.30 in/8 mm.

† All weights ± 10%.





VOYAGER SERIES TX TURBO VARIABLE CAPACITY

The TX Series self-contained units provide variable capacity cooling and heating for maximum system efficiency.

QUIET OPERATION
VARIABLE CAPACITY

ELECTRONIC EXPANSION VALVE
PRECISE CONTROL

TITANIUM CONDENSER
ROBUST CONSTRUCTION

100–240 V /
50–60 Hz / 1-PH

3,000–
18,000 BTU/h

HIGH EFFICIENCY COOLING IN A COMPACT PACKAGE

The Voyager system in typical applications can run at low speeds maintaining temperature in your vessel. At the lower speeds you will see a 40 % reduction in system noise, resulting in very quiet operation. The Voyager is also equipped with a sleep mode function that allows for a quiet and uninterrupted great night's sleep. Longer cycles at lower speeds help to maintain even temperatures throughout the vessel, and hot spots and stale air pockets are eliminated. In many instances you will enjoy a better level of comfort at a higher thermostat setting.

NEW

30TH DAME CATEGORY WINNER 2021

Key benefits and features

- Available in 6–10k, 12–18k BTU (2 units – 2 SKUs)
- Available in 115/230/1/50–60hz, World Premiere Optional
- DC high-velocity rotatable blower
- Reverse cycle heat
- Composite positive flow condensate pan
- No starting amperage
- Built-in network hardware NEMA2000

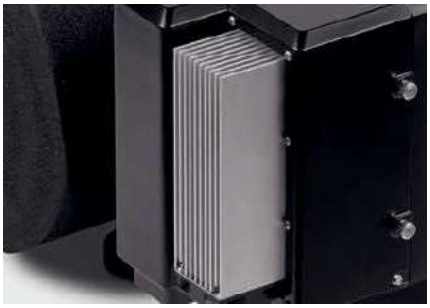
Variable Capacity
TX variable capacity Turbo unit available in two size options that will provide cooling from 6,000 to 18,000 BTU/h.

DC Blower
Includes a high static DC blower.

Compact Size
Retro-fittable for Turbo units.

Titanium Condenser
Robust design.

Sound Cover
Quiet operation.



Removable Electric Box
Can be remote mounted.

Contents, specifications and availability are subject to change in the interests of technical improvement.

Dometic Voyager TX

Marine Climate System

MODEL	TX10	TX18
SKU	9610002524	9610002526
Capacity (BTU/h)	3,500–10,000	6,000–18,000
Voltage (V)	100–240	100–240
Cycle (Hz)	50 or 60	50 or 60
Min. Capacity Input Power*	140	200
Full Capacity Input Power*	723	1256
Min. Circuit Breaker 115V (A)	12	22 A
Max. Circuit Breaker 115V (A)	14	25 A
Min. Circuit Breaker 230V (A)	6	10 A
Max. Circuit Breaker 230V (A)	6	11 A
Refrigerant Type	410A	410A
Height* (in/mm)	12.3 / 312.4	13.6 / 345.4
Width* (in/mm)	18.3 / 464.8	21.8 / 553.7
Depth-ebox on unit (in/mm)	12.6 / 320	13.2 / 337.8
Depth-ebox remote (in/mm)	10.8 / 274.1	13.2 / 335.3
Gross Weight (lb/kg)	49 / 22	61 / 28
Net Weight (lb/kg)	41 / 19	51 / 23
Height-Electrical Box (in/mm)	9.8 / 248.9	9.8 / 248.9
Width-Electrical Box (in/mm)	6.9 / 175.3	6.9 / 175.3
Depth-Electrical Box (in/mm)	6.3 / 160	6.3 / 160
Recommended Duct Size** (in/mm)	6 / 152	7 / 178

* In cool mode at 85 °F water and seawater pump not included.
** Duct size may change based on BTU load requirements.

Dometic DCU Self-contained High-capacity Compact A/C

Engineered to harness and maximize the impressive performance of environmentally safe R410A refrigerant. These units offer direct expansion operation in a compact, low-profile unit with a seawater-cooled condenser and choice of controls.

Compact design

- High-velocity fully insulated blowers are rotatable
- Patented design increases cooling capacity and dehumidification
- Condenser coil's cupronickel-encased copper coil provides maximum heat transfer and high resistance to corrosion
- Evaporator coil employs an enhanced fin design and rifled copper tubing to provide maximum capacity

115 V/60 Hz/1-PH
230 V/60 Hz/1-PH
220–240 V/50 Hz/1-PH
380 V/50 Hz/3-PH

18,000 – 27,000 BTU/h

MODEL [1]	DCU18			DCU27	
Capacity [2] (BTU/h)	18,000			27,000	
Voltage (V)	115	230	220	230	220
Cycle [3] (Hz)/**Phase** (Ph)	60/1	60/1	50/1	60/1	50/1
Full Load Amps (FLA) Cool (A)	11.1	6.4	5.7	8	7.6
Full Load Amps (FLA) Heat (A)	15.1	8.3	7	11.2	11
Full Load Amps (FLA) Blower (A)	1.93	1.15	1.15	1.64	1.64
Locked Rotor Amps (LRA) (A)	66	32	26	58.3	60
Max. Circuit Breaker (A)	45	20	20	45	40
Min. Circuit Ampacity (A)	27	13	13	27	24
Refrigerant Type	410A			410A	
Height-Coil [4] (in/mm)	14 / 356			18 / 458	
Height-Blower [4] (in/mm)	15.5 / 394			19.25 / 489	
Height-Compressor [4] (in/mm)	n / a			n / a	
Width [4] (in/mm)	21 / 534			24.75 / 629	
Depth (in/mm)	12 / 305			15.25 / 388	
Min. Supply Duct Size (in/mm)	7 / 178			8 / 204	
Quantity-Duct Connections	1			1	
Min. Supply Air Grille Size (in^2/cm^2)	100 / 646			140 / 904	
Min. Return Air Grille Size (in^2/cm^2)	200 / 1291			240 / 1549	
Seawater Inlet Connection (in/mm)	0.625 / 16			0.625 / 16	
Net Weight [5] (lbs/kg)	64 / 29.1	69.45 / 31.6	70 / 31.8	120 / 54.5	
Gross Weight [5] (lbs/kg)	73 / 33.2	81 / 36.8	82 / 37.2	130 / 59	

1. To complete the model numbers for a specific voltage/cycle/phase, add a '-1161' for 115V/60Hz/1-Phase, or '-2361' for 230V/60Hz/1-Phase, followed by '-410A' (e.g. 'DCU27-2361-410A').
2. TU and electrical data are based on a 45°F/7.2°C evaporator and 100°F/37.8°C condenser in cool mode, and a 45°F/7.2°C evaporator and 130°F/54.4°C condenser in heat mode.
3. 60Hz units must not operate at 50 Hz and 50 Hz units must not operate at 60Hz unless data plate states otherwise
4. All dimensions ± 0.30 in/8 mm.
5. All weights ± 10%.

Dometic EnviroComfort retrofit kits

Designed as a do-it-yourself drop-in replacement, value-priced EnviroComfort retrofit kits provide 3,500, 6,000, 10,000 or 16,000 BTUs of cooling and heating. Complete A/C system installation kits are available.

3,500, 6,000, 10,000, 16,000 BTU

115V/50 - 60Hz
208V/50 - 60Hz

Model	ECD6			ECD10			ECD16		
Capacity (BTU/h)	6000			10000			16000		
Voltage (VAC)	115	230	230	115	230	230	115	230	230
Cycle (Hz) /Phase (Ph)	60/1	60/1	50/1	60/1	60/1	50/1	60/1	60/1	50/1
Full Load Amps (FLA) Cool	4.4	2.0	1.9	6.3	3.2	3.1	10.3	5.5	4.7
Full Load Amps (FLA) Heat	5.8	2.6	2.4	8.1	4.1	3.9	13.4	7.0	6.0
Full Load Amps (FLA) Blower	0.8	0.4	0.4	1.1	0.6	0.5	1.6	0.8	0.6
Locked Rotor Amps (LRA)	25.5	10.0	10.9	41.5	21.0	24.4	61.0	26.9	29.4
Max. Circuit Breaker (Amps)	15.0	9.0	8.0	25.0	15.0	15.0	40.0	25.0	21.0
Min. Circuit Ampacity (Amps)	10.0	5.0	4.0	17.0	9.0	8.0	25.0	13.0	12.0
Refrigerant Type	410A			410A			410A		
Max Height (in/cm)	11.3/28.6			13.3/33.7			13.5/34.3		
Max Width	16/40.6			20.0/50.8			20/50.8		
Max Depth	9/22.9			9.6/24.5			11.3/28.6		
Min. Duct Size Dia. (in/cm)	4/10.2			6/15.3			6/15.3		
Seawater Inlet Connection (in/cm)	0.625/1.6			0.625/1.6			0.625/1.6		
Net Weight (lbs/kg)	42.5/19.3			57/25.9			64.0/29.1	67.0/30.4	
Gross Weight (lbs/kg)	51.3/23.2			70/31.8			71.5/32.4	75.0/34.0	
Height-Electrical Box (in/cm)	8.8/22.3								
Width-Electrical Box (in/cm)	6.5/16.6								
Depth-Electrical Box (in/cm)	2.8/7.1								
Retrofit Kit Part Number	207500307			207500310			207500316	207500017	
Installation Kit Part Number	218000106			218000110			218000116	218000117	
Dual Duct Kit Part Number	226600094			226600092			226600092		

INNOVATIVE CHASSIS CONQUERS INSTALLATION CHALLENGES

The Emerald design increases cooling and heating capacities while reducing amperage. The molded composite no-rust drain pan is shaped to provide positive drainage even when the boat heaves and rolls. The drain, seawater, and refrigerant connections are centrally located, reducing installation time by up to fifteen minutes.

Key benefits

- Split-gas system confines compressor noise to the engine room and places quiet evaporating units in living areas
- Square chassis for easy installation in tight spaces
- Rust-free composite drain pan
- Reconfigurable chassis allows optimal drain connections
- Compressor vibration-isolation mounts minimize noise and vibration
- Built-in refrigerant line filter drier reduces installation time and protects the compressor from moisture and contaminants
- Robust titanium condenser coil

Composite drain pan
Durable and rust free.

Easy access
Easy maintenance access from any side.

Square chassis
Compact base fits in more spaces.

Dometic Titanium DEGX Condenser

This condenser has reversing valve, pressure switches, and service ports centrally located for easy maintenance access from any side. Vibration-isolating compressor mounting system reduces noise and vibration. Pair this with a Dometic Emerald TurboVap R410A evaporator.

- DEGX units available in dual-frequency for global operation (115 V or 230 V, 50/60 Hz)
- Split-gas system confines compressor noise to the engine room and places quiet evaporating units in living areas
- Square chassis for easy installation in tight spaces
- Reversing valve pressure switches and service ports centrally located for easy maintenance from any side
- Corrosion-resistant composite drain pan
- Reconfigurable chassis allows optimal drain connections
- Rotary style compressor for quiet and efficient operation

AC

115 V/60 Hz
230 V/60 Hz
220 V/50 Hz

6,000–
16,000 BTU/h

Dometic Titanium DEUX Condenser

This condenser has reversing valve, pressure switches, and service ports centrally located for easy maintenance access from any side. Vibration-isolating compressor mounting system reduces noise and vibration. Pair this with a Dometic Emerald TurboVap R410A evaporator.

- Split-gas system confines compressor noise to the engine room and places quiet evaporating units in living areas
- Square chassis for easy installation in tight spaces. Reversing valve, pressure switches, and service ports centrally located for easy maintenance access from any side
- Rust-free composite drain pan
- Reconfigurable chassis allows optimal drain connections
- Compressor vibration-isolation mounts minimise noise and vibration
- Built-in refrigerant line filter drier reduces installation time and protects the compressor from moisture and contaminants

AC

115 V/60 Hz
230 V/60 Hz
220 V/50 Hz

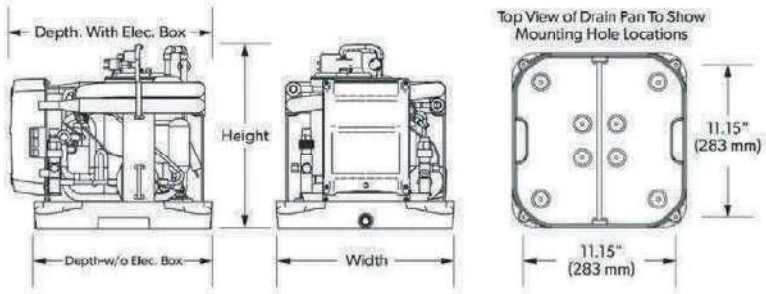
30,000–
72,000 BTU/h

Dometic DEGX

Marine Condenser

MODEL[1]	DEGX6		DEGX8		DEGX10		DEGX12		DEGX16	
Capacity[2] (BTU/h)	6,000		8,000		10,000		12,000		16,000	
Voltage (V)	115	230	115	230	115	230	115	230	115	230
Cycle[3]**/Phase** (Hz/Ph)	60/1	50–60/1	60/1	50–60/1	60/1	50–60/1	60/1	50–60/1	60/1	50–60/1
Full Load (FLA) Cool (A)	3.6	1.6	4.2	2.2	5.2	2.6	6.6	3.2	8.7	4.7
Full Load (FLA) Heat (A)	4.8	2.2	5.6	3.0	7.0	3.5	9.1	4.4	11.8	6.2
Locked Rotor (LRA) (A)	25.5	10.0	28.0	15.0	42	21	50.5	26.7	61	26.9
Max. Circuit Breaker (A)	15	5	20	10	25	15	30	15	40	20
Min. Circuit Ampacity (A)	10	5	12	6	16	8	19	10	24	13
Refrigerant Type	R410A		R410A		R410A		R410A		R410A	
Seawater Inlet Connection (in/mm)	0.625 / 16		0.625 / 16		0.625 / 16		0.625 / 16		0.625 / 16	
Seawater Connection Type	cupronickel tube		cupronickel tube		cupronickel tube		cupronickel tube		cupronickel tube	
Refrigerant Line Connection Discharge (in)	1/4		1/4		1/4		1/4		1/4	
Refrigerant Line Connection Suction (in)	3/8		3/8		3/8		3/8		1/2	
Net Weight[4] (lbs/kg)	43/20		43/20		45/20		47/21		49/22	50/23
Gross Weight[4] (lbs/kg)	50/23		50/23		52/24	51/23	54/24		56/26	57/26
Max Height[5] (in/mm)	12 / 305		12 / 305		13 / 331		13 / 331		14.1 / 359	
Width[5] (in/mm)	13.3 / 338		13.3 / 338		13.3 / 338		13.3 / 338		13.3 / 338	
Depth Without Elec. Box (in/mm)	13.3 / 338		13.3 / 338		13.3 / 338		13.3 / 338		13.3 / 338	
Depth With Elec. Box (in/mm)	15.1 / 384		15.1 / 384		15.1 / 384		15.1 / 384		15.1 / 384	
Height-Electrical Box (in/mm)	8.75 / 223		8.75 / 223		8.75 / 223		8.75 / 223		8.75 / 223	
Width-Electrical Box (in/mm)	6.5 / 166		6.5 / 166		6.5 / 166		6.5 / 166		6.5 / 166	
Depth-Electrical Box (in/mm)	2.63 / 67		2.63 / 67		2.63 / 67		2.63 / 67		2.63 / 67	

1. For dual frequency units 6K through 16K, to complete the model numbers for a specific voltage/cycle/phase, add a '-410', then '1171' for 115 V/50–60 Hz/1-Phase, or -2371' for 230 V/50–60 Hz/1-Phase (e.g. 'DEG12-410 2371'). For ranges 24K through 72K, add a '-410', '-2251' for 220–240 V/50 Hz/1-Phase, or '-2361' for 230 V/60 Hz/1-Phase (e.g. 'DEU24-410 2361').
2. BTU and electrical data are based on a 45 °F/7.2 °C evaporator and 100 °F/37.8 °C condenser in cool mode, and a 45 °F/7.2 °C evaporator and 130 °F/54.4 °C condenser in heat mode.
3. For ranges 24K through 72K, 60 Hz units must not operate at 50 Hz and 50 Hz units must not operate at 60 Hz unless data plate says otherwise.
4. All weights ± 10%.
5 All dimensions ± 0.30 in/8 mm.



Dimensions DEGX6–16

Dometic DEUX

Marine Condenser

MODEL[1]	DEUX48					DEUX60					DEUX72				
Capacity[2] (BTU/h)	48,000					60,000					72,000				
Voltage (V)	230	240	230	460	380	230	240	230	380	460	230	220	230	380	460
Cycle[3]**/Phase** (Hz/Ph)	60/1	50/1	60/3	60/3	50/3	60/1	50/1	60/3	50/3	60/3	60/1	50/1	60/3	50/3	60/3
Full Load (FLA) Cool (A)	10.9	12.10	8.2	5.3	3.8	13.0	14.4	10.2	5.6	5.29	16.6	21.5	11.2	7.1	5.94
Full Load (FLA) Heat (A)	16.2	18.0	10.90	6.6	5.0	20.2	21.4	12.7	7.6	6.6	24.0	29.1	14.8	8.8	7.40
Locked Rotor (LRA) (A)	105	102.5	95	60	45	150	130	120	70	60	145	130	120	87	70
Max. Circuit Breaker (A)	70	70	45	30	20	80	80	55	30	30	100	100	60	40	30
Min. Circuit Ampacity (A)	43	42	28	17	13	48	48	33	19	17	57	57	34	24	19
Refrigerant Type	R410A					R410A					R410A				
Seawater Inlet Connection (in/mm)	0.625/16					0.625/16					0.625/16				
Seawater Connection Type	cupronickel tube					cupronickel tube					cupronickel tube				
Refrigerant Line Connection Discharge (in)	3/8					3/8					3/8				
Refrigerant Line Connection Suction (in)	3/4					3/4					3/4				
Net Weight[4] (lbs/kg)	115 / 52					147 / 67					147 / 67				
Gross Weight[4] (lbs/kg)	150 / 68					176 / 80					183 / 83	187 / 84	183 / 83	180 / 82	181 / 82
Max Height[5] (in/mm)	18.5 / 470					20 / 508					20 / 508				
Width[5] (in/mm)	16 / 407					16 / 407					16 / 407				
Depth Without Elec. Box[5] (in/mm)	16 / 407					16 / 407					16 / 407				
Depth With Elec. Box[5] (in/mm)	18.8 / 478					18.8 / 478					18.8 / 478				
Height Electrical Box (in/mm)	13.25 / 337					13.25 / 337					13.25 / 337				
Width Electrical Box (in/mm)	7.75 / 197					7.75 / 197					7.75 / 197				
Depth Electrical Box (in/mm)	3.75 / 96					3.75 / 96					3.75 / 96				

1. For dual frequency units 6K through 16K, to complete the model numbers for a specific voltage/cycle/phase, add a '-410', then '1171' for 115 V/50–60 Hz/1-Phase, or -2371' for 230 V/50–60 Hz/1-Phase (e.g. 'DEG12-410 2371'). For ranges 24K through 72K, add a '-410', '-2251' for 220–240 V/50 Hz/1-Phase, or '-2361' for 230 V/60 Hz/1-Phase (e.g. 'DEU24-410 2361').
2. BTU and electrical data are based on a 45 °F/7.2 °C evaporator and 100 °F/37.8 °C condenser in cool mode, and a 45 °F/7.2 °C evaporator and 130 °F/54.4 °C condenser in heat mode.
3. For ranges 24K through 72K, 60 Hz units must not operate at 50 Hz and 50 Hz units must not operate at 60Hz unless data plate says otherwise.
4. All weights ± 10%.
5. All dimensions ± 0.30 in/8 mm.

115 V/50 or 60 Hz
230 V/50 or 60 Hz

4,000 –
16,000 BTU/h

Dometic TVE Evaporating Units

The Dometic Emerald TurboVap (TVE) direct expansion (DX) split-gas evaporator is based on the innovative engineering advancements of the award-winning Dometic Turbo self-contained air conditioning system. TVE units work with Dometic Emerald R410A condensing units.

- Up to 15 minutes faster to install
- Rust-free composite drain pan
- Designed to be used with Emerald Series (R410A) condensers
- Drain pan features anti-slosh, "positive flow" drain channels for rapid removal of condensate
- Single adjustment screw for 270° of blower rotation
- Vibration-isolation mounts reduce noise and vibration

230 V/50 or 60 Hz

18,000 –
24,000 BTU/h

Dometic EVAPS EBE Evaporating Units

Compact EBE evaporators are draw-through, ductable cooling units with reverse cycle heating. Featuring a rotatable, high-efficiency permanent split capacitor (PSC) blower in which the motor is concealed.

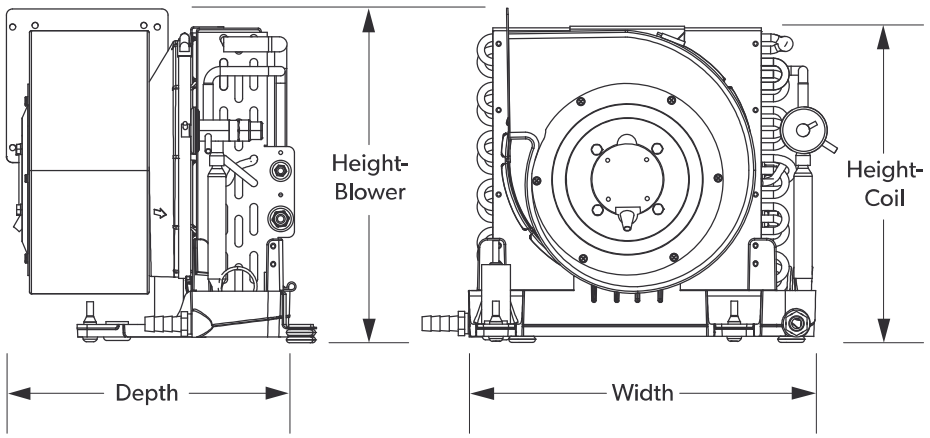
- Compact cooling or heating units
- High-velocity (HV) fully-insulated blowers are rotatable
- Insulated condensate pan with anti-slosh, anti-fungal foam lining
- Available with electric heat
- High-efficiency evaporator coil
- Larger blower inlet for increased airflow across the coil
- Blower support bracket with cushioned mounts reduce noise and vibration

Dometic TVE

Evaporating Units

MODEL[1]	TVE4		TVE6		TVE8		TVE10		TVE12		TVE16	
Capacity[2] (BTU/h)	4,000		6,000		8,000		10,000		12,000		16,000	
Voltage @ 50/60 Hz 1-Ph (V)	115	230	115	230	115	230	115	230	115	230	115	230
Full Load Amps (FLA) Cool (A)	0.82	0.41	0.82	0.41	1.56	0.83	1.14	0.61	1.14	0.61	1.61	0.78
Max. Circuit Breaker (A)	5		5		5		5		5		5	
Min. Circuit Ampacity (A)	2	1	2	1	2	1	2	1	2	1	3	1
Height-Coil[2] (in/mm)	10.8 / 275		10.8 / 275		10.8 / 275		12.6 / 321		12.6 / 321		13 / 331	
Height-Blower[2] (in/mm)	10.8 / 275		10.8 / 275		11.4 / 290		12.6 / 321		12.6 / 321		13.6 / 346	
Width[2] (in/mm)	12.3 / 313		12.3 / 313		12.3 / 313		14.3 / 364		14.3 / 364		14.3 / 364	
Depth[2] (in/mm)	9.5 / 2 42		9.5 / 2 42		9.5 / 2 42		10.4 / 265		10.4 / 265		11.6 / 295	
Min. Supply Duct Size (in/mm)	4 / 102		4 / 102		5 / 127		6 / 153		6 / 153		7 / 178	
Min. Supply Air Grille Size (in^2/cm^2)	32 / 207		32 / 207		48 / 310		60 / 388		70 / 452		81 / 523	
Min. Return Air Grille Size (in^2/cm^2)	64 / 413		64 / 413		80 / 517		110 / 710		130 / 839		160 / 1033	
Net Weight[3] (lbs/kg)	10.5/4.8	11.25/5.2	12/5.5	12.25/5.6	14/6.4		17.5/8		17.5/8	17.75/8.1	20.5/9.3	21/9.6
Gross Weight[3] (lbs/kg)	18.5/8.4	18/8.2	19/8.7	20.25/9.2	22/10		25.5/11.6	25/11.4	25.5/11.6	24.75/11.3	28/12.8	28.5/13

1. Add '115 V' or '230 V' to the model number for 115 V and 230 V units, respectively.
2. All dimensions ± 0.30 in/8 mm.
3. All weights ± 10%.



Dometic EVAPS EBE

Evaporating Units

MODEL[1]	EBE18	EBE24	EBE30	EBE36	EBHE8	EBHE10	EBHE12	EBHE16	EBHE24
Capacity[2] (BTU/h)	18,000	24,000	30,000	36,000	8,000	10,000	12,000	16,000	24,000
Voltage @ 50/60 Hz 1-Ph (V)	230	230	230	230	230	230	230	230	230
Full Load Amps (FLA) Cool (A)	1.15	1.64	1.64	7.3	0.98	0.66	0.56	0.88	1.64
Full Load Amps (FLA) Heat (A)	n/a	n/a	n/a	n/a	5.4	7.2	9.26	9.58	14.68
Full Load Amps (FLA) Blower (A)	1.15	1.64	4	4	0.98	0.66	0.56	1.15	1.64
Max. Circuit Breaker (A)	5	5	5	10	10	10	10	10	20
Min. Circuit Ampacity (A)	2	3	3	10	6	8	10	10	16
Electric Heat (kW/hp)	n/a	n/a	n/a	n/a	1/1.4	1.5 / 2.1	2 / 2.7	2 / 2.7	3 / 4.1
Heater Amps (A)	n/a	n/a	n/a	n/a	4.35	6.52	8.7	8.7	13.04
Air Flow (cfm/m^3h)	540 / 918	800 / 1360	1000 / 1700	1200 / 2039	266 / 452	333 / 566	400 / 680	533 / 906	800 / 1360
Height-Coil[2] (in/mm)	13.63 / 347	16.5 / 420	20.5 / 521	20.5 / 521	11.25 / 286	12.5 / 318	12.5 / 318	13.5 / 343	16.5 / 420
Height-Blower[2] (in/mm)	15.13 / 385	17 / 432	22 / 559	22.25 / 566	12.5 / 318	13.5 / 343	13.5 / 343	15.5 / 394	17 / 432
Width[2] (in/mm)	16 / 407	20 / 508	20.75 / 528	20.75 / 528	13.75 / 350	14.25 / 362	14.25 / 362	16 / 407	20 / 508
Depth[2] (in/mm)	14 / 356	14.5 / 369	15 / 381	17.75 / 451	12 / 305	13.75 / 350	14.5 / 369	14.75 / 375	15 / 381
Min. Supply Duct Size (in/mm)	7 / 178	9 / 229	10 / 254	10 / 254	6 / 152	6 / 152	6 / 152	7 / 178	9 / 229
Min. Supply Air Grille Size (in^2/cm^2)	100 / 645	140 / 903	170 / 1097	196 / 1265	49 / 316	60 / 387	70 / 452	80 / 516	140 / 903
Net Weight[3] (lbs/kg)	27 / 12.3	37.65 / 17.1	36 / 16.4	41.75 / 19	21 / 9.6	23 / 10.5	23 / 10.5	28 / 12.8	44.75 / 20.3
Gross Weight[3] (lbs/kg)	35 / 15.9	49.5 / 22.5	42 / 19.1	56.5 / 25.7	29 / 13.2	31 / 14.1	31.5 / 14.3	36 / 16.4	56.25 / 25.6

1. 'EBE' indicates evaporator without electric heat; 'EBHE' indicates evaporator with electric heat. Dometic also offers an EBHE6-1KW and EBHE16-3KW.
2. All dimensions ± 0.30 in/8 mm.
3. All weights ± 10%.

CHILLED WATER SYSTEMS

Dometic TWCX
Modular Titanium Chillers

A fully enclosed, high-performance reverse-cycle chiller that cools and heats, and is available in a wide range of models.

- Titanium condenser dramatically increases product lifespan
- Reverse-cycle unit cools and heats
- Units can be multiplexed for larger capacity
- Chilled water flow switch
- High- and low-refrigerant pressure switches
- Inlet and outlet CW temperature sensors

230 V/60 Hz/1-PH or 3-PH
220–240 V/50 Hz/1-PH
460 V/60 Hz/3-PH
380 V/50 Hz/3-PH

24,000 – 72,000 BTU/h

Dometic MCGX
Titanium Chillers

Featuring a compact base design, these modules can be staged to provide a larger system which is easily retrofitted and staged in the field. Unaffected by vibration, moisture or ambient temperatures up to 60 °C /140 °F, these condensing units can be installed in any convenient location.

- Titanium condenser dramatically increases product lifespan
- Up to six modules can be staged
- Hermetically sealed and pre-charged with environmentally friendly R410A refrigerant
- Features freeze controls, high-limit switches, high and low aquastats and timers
- Unaffected by vibration, moisture or ambient temperatures up to 60 °C/140 °F
- Monitored and protected by Dometic's exclusive Digital Diagnostic Controller (DDC)

230 V/60 Hz/1-PH or 3-PH
220–240 V/50 Hz/1-PH
460 V/60 Hz/3-PH
380 V/50 Hz/3-PH

24,000 – 180,000 BTU/h

Dometic MCGXLP
Modular Titanium Chillers

Designed for locations onboard where height is an obstacle. These units are much shorter than other chillers in the same capacity range, but possess no shortage of performance or reliability.

- Titanium condenser dramatically increases product lifespan
- For installations where height is limited; stand only 18.25 in/464 mm high (3 to 6-ton models) or 25.2 in/640 mm high (12.5 and 15-ton models)
- Reverse-cycle cooling and heating
- 25 % larger condenser area than similar low-profile units
- Stainless-steel drain pan
- Removable PVC water headers that resist corrosion and erosion

230 V/60 Hz/1-PH or 3-PH
220–240V/50Hz/1-PH
460 V/60 Hz/3-PH
380 V/50 Hz/3-PH

36,000 – 180,000 BTU/h

Dometic VARCX
Titanium Variable Capacity Chillers

Maximize chiller efficiency and reduce electrical load fluctuations with Dometic's innovative Variable Capacity Chiller (VARC). At full speed, the VARC provides its maximum output of cooling or heating. It also has the ability to modulate its speed to precisely match temperature demand. By precisely balancing output to load, the fluctuation in loop water temperature is minimized. This smooth operation eliminates large swings in electrical demand on the generator.

- Variable-capacity through unit's BTU range (1 to 4 tons or 2 to 6 tons) as thermal load changes
- Compact footprint
- Operates steadily at lower speeds to provide maximum efficiency
- Select from three user-adjustable amp limits: Econo, Standard, or Boost
- Electronic expansion valve for precise control of superheat

208–230 V/ 50 or 60Hz/1-PH

24,000 – 72,000 BTU/h

Dometic AU Gold Series Air Handlers

Featuring a rust-free composite drain pan, HV blowers and flexible mounting options, AU air handlers incorporate innovative features for quiet, powerful performance.

- Rust-free composite drain pan with "positive flow" drain channels for no spills and rapid removal of condensate
- Vibration-isolation mounts reduce noise and vibration
- Single adjustment screw for 270° of blower rotation
- Easy access to water heater overload reset button
- Optional integrated Breathe Easy™ air purifier
- Optional DC "Whispercool" blowers are extremely quiet

115 V/50 or 60 Hz
230 V/50 or 60 Hz

6,000 – 24,000 BTU/h

Dometic ATV Slim-Profile Air Handlers

Designed for applications where very little depth is available. Featuring a slim profile, these air handlers make previously unusable areas suitable for installation.

- Unique vertical design results in dramatically reduced depth
- Fits into walls and other tight spaces
- Low-profile models have a reduced height for tight installation spaces
- Square models allow 90° of blower rotation in the field
- Exposed sheet metal is insulated against secondary condensation
- Optional DC "Whispercool" blowers are extremely quiet

115V/50 or 60Hz
230V/50 or 60Hz

6,000 – 24,000 BTU/h

Dometic ATL Low-Profile Air Handlers

An improved design approach to low-profile, draw-through air handlers, ATL "open top" units allow easier maintenance access and reduced dimensions overall.

- Suspend from above or support from below (hardware included)
- Vibration-isolation mounts reduce noise and vibration
- Bypass valve has removable power head for simple servicing
- Valve body is soldered to prevent leaks
- Remote air bleeder on 6 ft/1.8 m of flexible tubing with ball valve
- Optional DC "Whispercool" blowers are extremely quiet

115 V/50 or 60 Hz
230 V/50 or 60 Hz

6,000 –
24,000 BTU/h

AIR TREATMENT

115 V/50 or 60 Hz
230 V/50 or 60 Hz

18,000 –
36,000 BTU/h

Fresh-Air Makeup Air Handlers

Custom air handlers that introduce treated fresh air into vessel areas that need improved air quality such as below decks. These units are coated to resist corrosion.

- Ducts fresh dehumidified air into interior spaces below decks
- Corrosion-resistant coating on evaporator coil, blower, and drain pan
- Electric heat with two-stage electric heat overload
- Optional DC "Whispercool" blowers are extremely quiet
- Allows for tighter control of output temperature

Fresh-Air Makeup Large Capacity Air Handlers

Available in three standard versions or a custom version, air handler units are designed to filter air and reduce its degree of humidity and salinity. These units are coated to resist corrosion and have an aluminium and sheet metal frame providing additional strength. The structure of the filtering section makes it easy to replace and clean.

- The entire structure is insulated to guarantee thermal efficiency and lower noise emissions
- Light and strong frame in extruded aluminium
- Electric motors that can be inverter-assisted for optimal performance and quieter operation with low thermal load
- Centrifugal fans with single or double inlet
- Fan and motors with single base frame and isolated from the structure by antivibration mounts and flexible joint on the outlet temperature

CABIN DISPLAYS

Dometic Smart Touch

The customizable Smart Touch control features intuitive submenus to step the user through full system access.

- Customizable displays enable personal preferences
- Intuitive icons and menus for ease of use
- Programmable scheduler for system start, shutdown, and temperature changes
- CAN Bus compatible

Dometic CapTouch

The CapTouch Cabin Control's phone app revolutionizes setup and operation. The cabin control's offers remote access to the system.

- Easy to use
- Cabin Control

Dometic Elite II

Easy to use with raised buttons and a scroll button for mode selection. Cool-only, heat-only, dehumidify, and automatic mode. Automatic humidity control reduces moisture when the boat is unattended.

Dometic VMD2.5

Intuitively designed touch screen, with easy to understand user menu. 2.4" LCD screen with vivid colour and clarity. Combine the display with the Vimar Eikon bezel to coordinate with any rooms décor. Display bezel sold separately.

CHILLER DISPLAYS

Dometic PGD 1

Automatically control the operation of a water chilling unit and/or heat pump of an electric water heater, in the case of a unit with one or two or three or four compressors.

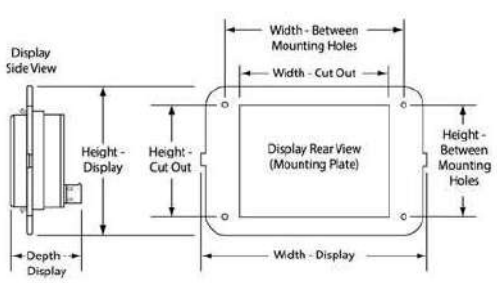
Dometic PGD X

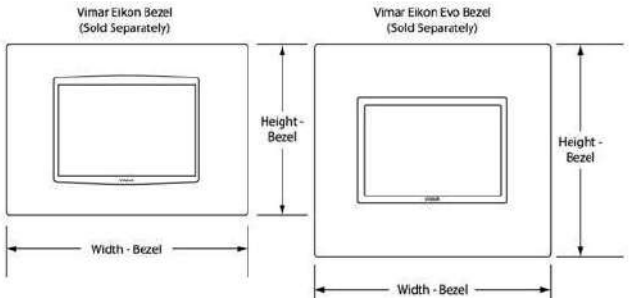
The customizable PGDX is a touch screen device that can automatically control the operation of a water chilling unit and/or heat pump of an electric water heater. Featuring intuitive icons and menus for ease of use.

Dometic SmartTouch

Cabin Control

MODEL	VIMAR EIKON BEZEL	VIMAR EIKON EVO BEZEL
Display, H x W x D (in/mm)	2.87×4.31×1.37 / 73×110×35	2.87×4.31×1.37 / 73×110×35
Cut Out, H x W (in/mm)	2.17×2.9 / 55×74	2.17×2.9 / 55×74
Between Mounting Holes, H x W (in/mm)	2.17 ×3.47 / 55×88	2.17×3.47 / 55×88
Bezel, H x W (in/mm)	3.31× 4.72 / 82.0×120.0	4.15×4.62 / 106×118

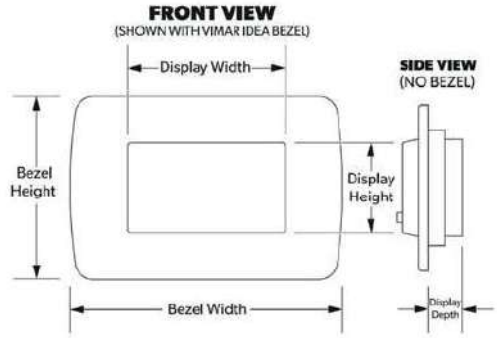




Dometic CapTouch

Cabin Control

MODEL	IDEA BEZEL	EIKON BEZEL
Display, H x W x D (in/mm)	2.97×4.41×0.85 / 75.41×111.99×21.68	2.86×4.45×0.94 / 72.76×112.96×23.75
Cut Out, H x W x D (in/mm)	2.25×3.45 / 57.15×87.63	1.85×2.80 / 46.90×71.03
Between Mounting Holes, H x W x D (in/mm)	2.36×3.82 / 59.94×97.03	2.20×3.78 / 55.88×96.01
Bezel, H x W x D (in/mm)	3.22×4.72 / 82.0×120.0	3.73×3.73 / 94.8×94.8



PUMPS

NEW

AC

115 V/50 or 60 Hz
230 V/50 or 60 Hz

Dometic Minimag Centrifugal Pump

Marine centrifugal pumps are an excellent choice for providing seawater circulation for air conditioning systems. The proven magnetic drive eliminates the troublesome mechanical shaft seal.

- Submersible functionality
- Sealless magnetic driven impeller
- Dual frequency input
- High-efficiency design
- Easy to service
- Durable design

NEW

AC

230 V/60 Hz/1-PH or 3-PH
220–240 V/50 Hz/1-PH
460 V/60 Hz/3-PH
380 V/50 Hz/3-PH

Dometic MagDrive Centrifugal Pump

MagDrive sealless pump series is a rugged design with no mechanical seals.
The composite heads and impellers will not be affected by the corrosive seawater.
The carbon bushings gives the pump added protection in run dry situations.
Rugged construction and a strong neodymium magnet make this pump robust and very low maintenance.

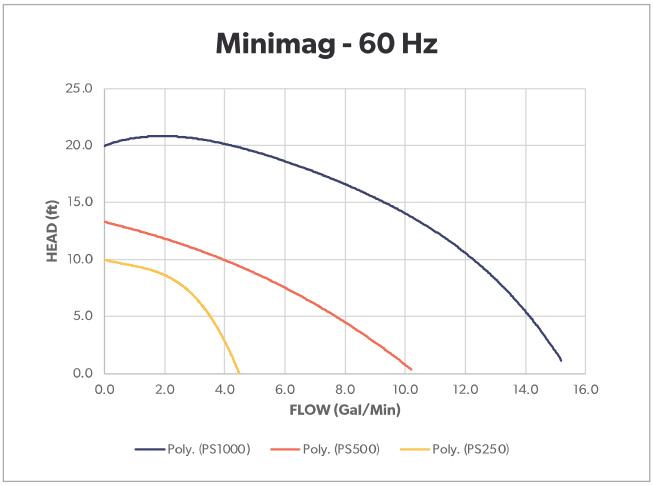
- Composite non-corrosive pump head and impeller
- No mechanical seals
- Run Dry protection (carbon bushings)
- Rotatable pump head
- Multi-position pump bracket
- Stainless hardware
- Full-size electric box
- 115-volt and 230-volt models
- Single and Three phase models
- Dual frequency
- TEFC pump motors
- Lead-free

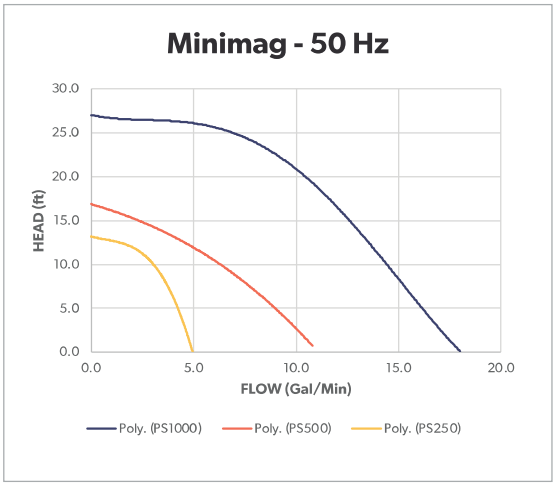
Dometic Minimag

Centrifugal Pumps

MODEL	PS250		PS500		PS1000	
Voltage (V)	115	230	115	230	115	230
Cycle[1] (Hz)	50/60		50/60		50/60	
Phase (Ph)	1		1		1	
Amps (A)	1.1	0.5	1.8	0.9	2.0	1.0
Max. Flow (gpm/lpm)	5 / 19		8.5 / 32		16.6 / 63	
Max. Head (ft/m)	13 / 4.0		19 / 5.8		28 / 8.5	
Ignition Protection	yes		yes		yes	
Motor HP (hp)	1 / 35		1 / 20		1 / 8	
Inlet Connection (in/mm)	0.75 / 19		0.75 / 19		1 / 26	
Outlet Connection (in/mm)	0.25 / 7		0.5 / 13		0.5 / 13	
Net Weight (lbs/kg)	5 / 2.3		9 / 4.1		15.5 / 7.1	
Replaced Pumps	PML250 & LC-2CP-MD		PML500 & LC-3CP-MD		PML1000 & LC-5CP-MD	

1. Standard (50/60 Hz) pumps may be operated at 50 Hz and reduced voltages but with a 17% reduction in flow and as much as a 30% drop in head.





Minimag

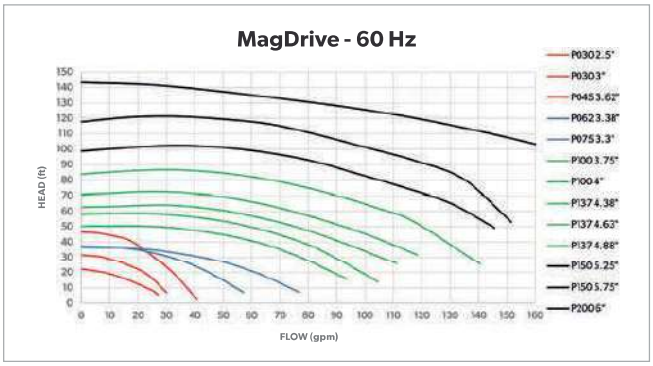
MagDrive

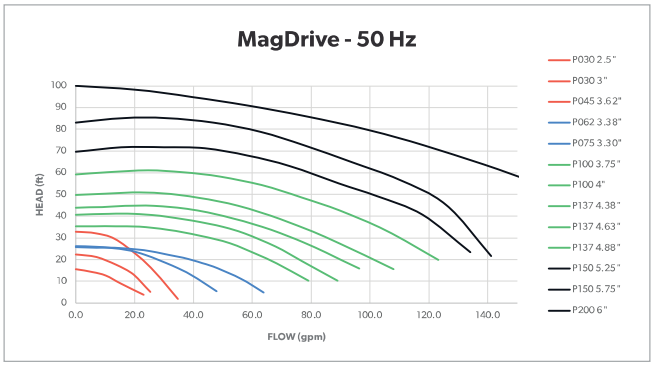
Dometic MagDrive

Centrifugal Pumps

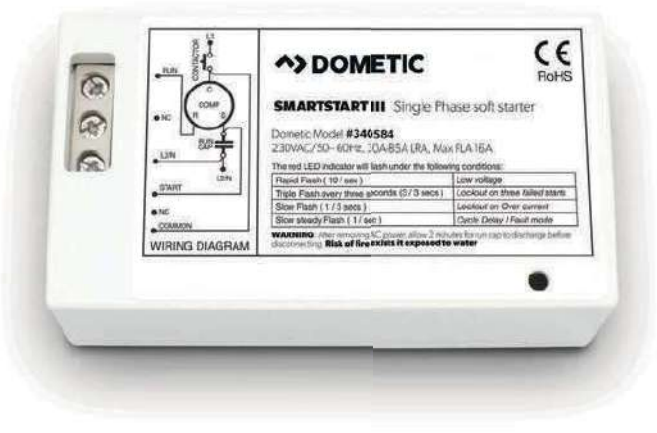
MODEL	Product SKU	Hp	Phase (Ph)	Volts 60 Hz	Volts 50 Hz	Amps 60 Hz	Amps 50 Hz	Dimensions* L × W × H (in)	Impeller Size (in)	Wear Kit Item #	Wet End Item #
PO30	9610002000	0.25	1	115	115	2.5	3.3	12.8 × 5.4 × 6.8	2.5	4471004032	4471004037
	9610001803	0.25	1	230	220	1.5	1.9	12.8 × 5.4 × 6.8	2.5	4471004032	4471004037
	9610001976	0.50	1	115	115	4.2	5.6	13.3 × 5.4 × 7.2	3.0	4471004032	4471004038
	9610001977	0.50	1	230	220	2.2	2.7	13.3 × 5.4 × 7.2	3.0	4471004032	4471004038
	9610001980	0.50	1	230/460	220/460	1.6/0.8	1.7/0.9	13.4 × 5.4 × 6.9	3.0	4471004032	4471004038
PO45	9610001978	0.5	1	115	115	4.6	5.6	15.8 × 7.5 × 8.4	3.62	4471004034	4471004039
	9610001979	0.5	1	230	230	2.2	2.7	15.8 × 7.5 × 8.4	3.62	4471004034	4471004039
PO62	9610001981	0.5	1	115	115	4.6	5.6	15.7 × 7.5 × 8.4	3.5	4471004034	4471004040
	9610001982	0.5	1	230	230	2.2	2.7	15.7 × 7.5 × 8.4	3.5	4471004034	4471004040
	9610001983	0.5	3	230/460	230/460	1.6/0.8	1.7/0.9	15.7 × 7.5 × 8.4	3.5	4471004034	4471004040
PO75	9610001984	0.5	1	115	115	4.6	5.6	15.7 × 7.5 × 8.4	3.38	4471004034	4471004041
	9610001985	0.5	1	230	230	2.2	2.7	15.7 × 7.5 × 8.4	3.38	4471004034	4471004041
	9610001986	0.5	3	230/460	230/460	1.6/0.8	1.7/0.9	15.7 × 7.5 × 8.3	3.38	4471004034	4471004041
P100	9610001987	1.0	1	115/230	115/230	8.5/4.3	10.5/5.3	17.2 × 7.5 × 8.4	3.75	4471004034	4471004043
	9610001988	1.0	3	230/460	230/460	2.7/1.4	2.9/1.5	17.0 × 7.5 × 8.3	3.75	4471004034	4471004043
	9610001989	1.5	1	115/230	115/230	12.5/6.3	14.0/7.0	17.8 × 7.5 × 9.9	4.00	4471004034	4471004044
	9610001990	1.5	3	230/460	230/460	4.0/2.0	4.3/2.2	16.6 × 7.5 × 8.7	4.00	4471004034	4471004044
P137	9610001991	1.5	1	115/230	115/230	12.5/6.3	14.0/7.0	21.2 × 9.7 × 11.0	4.38	4471004035	4471004045
	9610001992	1.5	3	230/460	230/460	4.0/2.0	4.3/2.2	18.2 × 9.7 × 10.8	4.38	4471004035	4471004045
	9610001993	2	1	115/230	115/230	16.5/8.3	18.0/9.0	20.1 × 9.7 × 10.9	4.63	4471004035	4471004046
	9610001994	2	3	230/460	230/460	5.3/2.7	5.9/3.0	20.1 × 9.7 × 10.8	4.63	4471004035	4471004046
	9610001996	3	3	380	230/460	7.2/3.6	4.5	19.5 × 10.9 × 10.8	4.88	4471004035	4471004047
P150	9610001997	5	3	230/460	380	12.2/6.1	7.5	23.0 × 12.4 × 10.8	5.25	4471004035	4471004048
	9610001998	5	3	230/460	380	12.2/6.1	7.5	23.0 × 12.4 × 10.8	5.25	4471004035	4471004049
P200	9610001999	7.5	3	230/460	380	17.8/8.9	11	27.5 × 14.1 × 13.4	6	4471004036	4471004050

* All dimensions ± ¼".





SOFT START



AC

115 V/50 or 60 Hz
208–240 V/50 or 60 Hz

Dometic SmartStart III

Soft starter for marine air conditioning, 16 A, 30–85 kBTU/h.

Air conditioners may cause issues to your electrical systems when they start running. The Dometic SmartStart™ III IP 65 soft starter reduces the boat's air conditioning start-up spikes and helps to preserve the electrical supply network of your boat.

- Prevents voltage spikes when starting, helps prevent power outages
- Problem-free air conditioner start-up at moorings with low quality electrical circuit protection
- Reduces start-up amps by up to 65 %

IONIZER

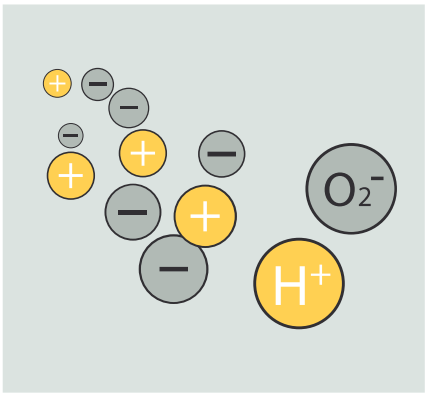
Dometic Breathe Ionizer

Dometic's Breathe Ion generator is the easiest way to upgrade any new or existing system to the latest in air purification technology. Two holes can be drilled anywhere in the path of moving air: in the blower housing, transition box, or directly at the discharge grille plenum. The unit can be wired directly to the fan output so that it is only powered when needed. The wide input voltage range allows a one size fits all solution for our global customers. Power to the device is simply plug-and-play. An LED light on top of the device clearly indicates it is functioning.

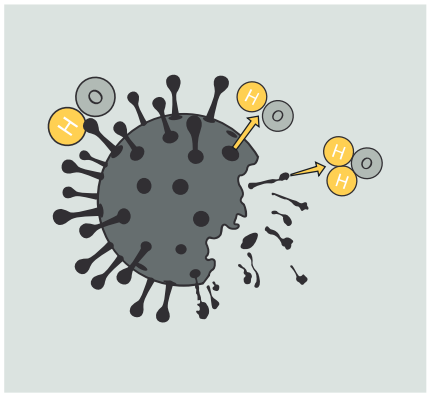
- Reduce VOC, allergens, and mold
- No harsh chemicals
- Proven technology used in clean rooms and hospitals
- Simplistic installation – plug provides a simple solution for installing the brushes
- LED Indicator – light provides clear indication that unit is operating.
- Flexible – can be connected to blower outlet or directly to discharge grille plenum
- Dimensions (W×D×H): 5.4×3.7×1.6 in / 138×94×41 mm

POSITIVE AND NEGATIVE ION GENERATION

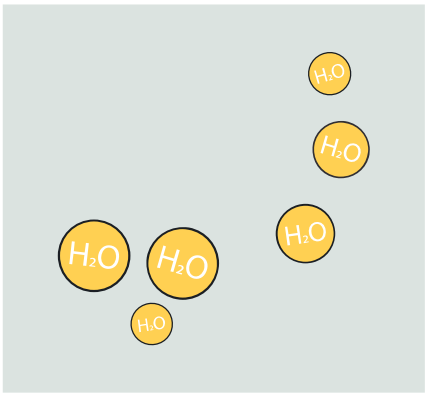
The main working principle of the positive and negative ion generator is to boost the input voltage and create negative high-pressure ionized air (mainly oxygen). This generates a large amount of positive and negative ions. Simultaneous generation of ions in the air neutralize the positive and negative charges to generate a huge energy release, resulting in changes in the surrounding bacterial structure.



1. Ions are dispersed into the air
Positive and negative ions are created using water vapour in the air.



2. Attach to pollutants
The ions neutralise their charge by pulling apart airborne pollutants, thereby reducing the pollutants in the air.

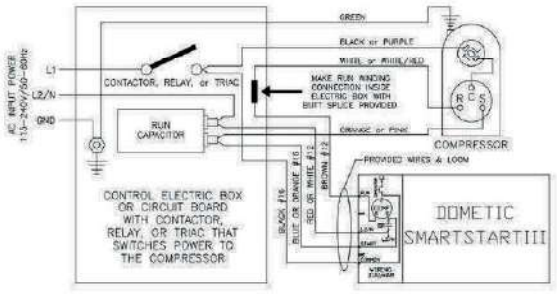


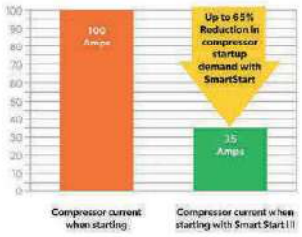
3. Ions return to the air
After neutralising pollutants, ions are converted to water vapour.

Dometic SmartStart III

Soft Starter for Marine Air Conditioning

MODEL	SMART START III		SMART START III IP65 (This version is recommended for use when the SmartStart is not installed inside a water resistant electrical box enclosure)			
Voltage	230 V/50 or 60 Hz		115 V/60 Hz		208–240 V/50 or 60 Hz	
Supported Comp. Capacity (BTU/h)	12,000–30,000	36,000–60,000	6,000–10,000	10,000–18,000	12,000–30,000	36000–60,000
Locked Rotor Amps (A)	30–85	85–175	30–45	45–70	30–85	85–165
Max. FLA (A)	16	32	9	16	16	32
Height (in/mm)	2.17 / 55		2.17 / 55			
Width (in/mm)	6.30 / 160		6.30 / 160			
Depth (in/mm)	3.12 / 80		3.12 / 80			





Dometic Breathe

Ion Generator

MODEL	BREATHE
SKU	9620000429
Voltage (V)	70–240
FLA (mA)	50
Height (in/mm)	1.6 / 41
Width (in/mm)	5.4 / 138
Depth (in/mm)	3.7 / 94
Weight	TBD
Mount (in/mm)	5 / 127
Hole Size (in/mm)	0.18 / 4.5