

/ AIR CONDITIONING
/ ACCESSORIES

CLIMATE





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. Available in three capacity versions: 6,000, 12,000 and 16,000 BTU/h.

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.

SELF-CONTAINED SYSTEMS FOR EASY INSTALLATION

MCS T SERIES

The improved Dometic MCS T now features the award winning DTU unit for fast, easy and versatile installation. With rotatable blower for custom installation, composite drain pan with quick fittings and superior vibration insulation for quiet operation the MCS T offers you true OEM quality in one kit. All components and mounting materials are included in the scope of delivery.

Three available capacities, all using R410A refrigerant, allows the systems to work effectively and supply air-conditioned comfort to cabins of different sizes or design. To air-condition an additional cabin, install the optional air distribution kit (MCS T12/T16 only). Thanks to efficient heat pump technology, the MCS T can also be used as heating systems at water temperatures down to +6 °C.



COMPLETE SYSTEMS FOR QUICK INSTALLATION

1. Compact A/C unit – with rotatable blower
2. Submersible seawater pump
3. Electrical box and display
4. Supply and return air grilles
5. Insulated air duct
6. Reinforced seawater hose
7. Through-hull fittings, fixing material, fittings, valves

- Combines cooling, heating and dehumidification in one powerful system
- Compact unit with rotatable blower and composite drain pan
- Complete package with all required installation materials
- 3 models with cooling capacities of 6000, 12000 and 16000 BTU/h

- User-friendly display for control of all functions
- Easy to clean, integrated air filter
- Proven OEM-quality with award winning design
- Accessory kit for MCS T12/T16: Optional add-on kit for directing the air flow into two separate cabins

HOW TO FIND YOUR MCS MODEL

Selecting the right MCS T model for your needs depends on the size and location of the cabin you want to air condition. A cabin below deck requires less capacity per square metre than an upper-deck cabin with large windows and direct exposure to the sun.

MODEL NAME	BELOW DECK (NO WINDOWS)	MID DECK (SMALL WINDOWS)	ABOVE DECK (LARGE WINDOWS)
MCS Turbo Air Conditioning Kits			
Dometic MCS T6	8 m ²	5 m ²	4 m ²
Dometic MCS T12	16 m ²	10 m ²	8 m ²
Dometic MCS T16	23 m ²	15 m ²	12 m ²

DOMETIC MCS T6 / MCS T12 / MCS T16

TECHNICAL SPECIFICATIONS	DOMETIC MCS T6	DOMETIC MCS T12	DOMETIC MCS T16
MCS Turbo Air Conditioning Kits			
Ref. No:	9600000549	9600000550	9600000551
Cooling / Heating Capacity	6000 BTU/h / 1750 W	12000 BTU/h / 3500 W	16000 BTU/h / 4700 W
Consumption (at 230 V) in Cooling / Heating Mode (W)	890 / 1130	1030 / 1270	1320 / 1660
Current Consumption in Cooling / Heating Mode (A)	3.7 / 4.7	4.3 / 5.3	5.5 / 6.9
Required Circuit Protection (A)	min. 6, max. 10, delay fuse	min. 8, max. 10, delay fuse	min. 11, max. 15, delay fuse
Starting Current (A)	up to 18.7	up to 22	up to 23
Number of Blower Speeds	6 / Automatic	6 / Automatic	6 / Automatic
Temperature Range (Preset) (°C)	18 to 30	18 to 30	18 to 30
Thermostat Temperature Control	Yes	Yes	Yes
Refrigerant	R410a	R410a	R410a
Dimensions (W x H x D, mm)	448 x 282 x 272	519 x 318 x 315	544 x 341 x 338
A/C Unit Electronic control	81 x 64 x 24	81 x 64 x 24	81 x 64 x 24
Weight (Unit Only) (kg)	19.3	26	28
Scope of Delivery	A/C unit, electrical box and control panel, seawater pump, seawater strainer, air ducts, supply-air and return-air grilles, seawater hose, through-hull fittings, fixing material, fittings, valves		

MCS T SERIES ACCESSORIES



MCS T SERIES SOUND COVER

Reduces the compressor noise by up to 50 % with a snug-fitting, molded cover of sound-absorbent neoprene. Easy installation, all mounting hardware is included.

Sound Cover MCS T6 kit / Ref. No: 9108723465
Sound Cover MCS T12 kit / Ref. No: 9108723467
Sound Cover MCS T16 kit / Ref. No: 9108723469



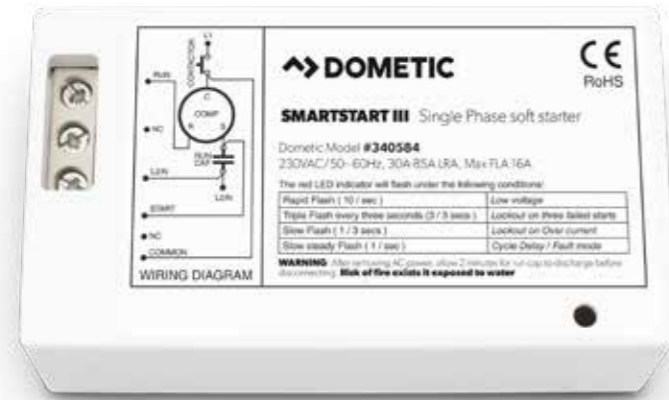
DOMETIC AIR DISTRIBUTION KIT

Air Distribution Kit for Dometic MCS

- Allows two cabins to be cooled or warmed simultaneously
- Flexible to ensure easy fitting regardless of existing mounting conditions
- Used with Dometic MCS T12 & MCS T16 air climate control systems

Ref. No: 9108549923

MCS T SERIES ACCESSORIES



DOMETIC SMARTSTART IP65

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 startup amps by up to 65 %

Smart Start IP65 230 V / 50 – 60 / 1 16 A
12 – 30 kBTU/h / Ref. No: 9600022439



DOMETIC PML250C

Centrifugal seawater pump for marine a/c systems, 230V - 3 GPM, 7 ft. of head

- Efficient motor with low power consumption
- Magnetic-drive impeller means there is no seal to wear, leak or repair
- Marine-grade base and corrosion-resistant components that are in contact with water ensure durability

Pump Relay Panel Ref. No: 9108549708
Ref. No: 9108549752



DOMETIC PML500C

Water pump for marine A/C systems, 230V - 6 GPM, 14 ft. of head

- Vibration-isolation mounts reduce noise and vibration
- Seawater-grade construction with glass-filled polypropylene or bronze pump heads
- Single-phase motors have built-in ignition protection

Pump Relay Panel Ref. No: 9108549708
Ref. No: 9108549754



DOMETIC PMA1000C

Centrifugal seawater pump for marine a/c systems, 230V - 12 GPM, 14 ft. of head

- Packaging of multiple essential components simplifies installation
- Expansion tank protects against thermal expansion
- Dual-scale pressure gauge is convenient for US and international customers

Pump Relay Panel Ref. No: 9108549708
Ref. No: 9108549776

DISPLAYS AND CONTROL

DOMETIC SMART TOUCH CABIN CONTROL

Easy to use cabin control with intuitive icons and menus. The display can be customized to your own personal preferences. With an interactive screen for easy start-up, troubleshooting and help functions.

- Easy to use cabin control with intuitive icons and menus
- Display can be customised to personal preferences
- Interactive screen for easy start-up, troubleshooting and help functions

EIKON (Vimar size) Ref. No: 9600003187



DOMETIC CAP TOUCH CABIN CONTROL

The CapTouch cabin control is easy to use and offers a water-resistant screen with no buttons to wear out. The capacitive-touch surface is smooth and the control's operational icons feature durable, long-wearing ink. Setup mode is intuitive, with icons and controls that are easy to understand.

- Smooth capacitive-touch surface with long-wearing ink
- Easy operation
- Intuitive icons and menus for easy setup
- Supports humidity control
- Supports auxiliary heat

EIKON (Vimar size) Ref. No: 9600025911
IDEA (Vimar Size): Ref. No: 9600025804



DOMETIC PASSPORT I/O CABIN CONTROL

This microprocessor based controller is designed for the precise control and monitoring of direct expansion and chilled water boat air conditioning systems from Dometic. The control is dual voltage, operating at both 115 & 230 V, 50 / 60 Hz.

- Automatic humidity control reduces moisture when the boat is unattended
- Cool-only, heat-only, dehumidify, and automatic mode delection
- Compressor fail-safe protection
- Programmable de-icing cycle
- Cycle fan with compressor or continuous fan operation
- Built-in air sensor
- Dimmable display

Ref. No: 9600005997

