DRAKE MARINE · THAILAND · EST. 2002

Marine DC Air Conditioning — DM-MAC DC Series

Self-contained · seawater-cooled · reverse-cycle · 12 V / 24 V / 48 V · 7,000–16,000 BTU

Specification sheet
October 2026
drakemarine.com

Air conditioning that runs straight off the house bank: no generator, no inverter, nothing else to switch on. Six models across three voltages, each a complete module with compressor, seawater condenser, evaporator, blower, electronics and control panel in one chassis, sized to the cabin it serves. Every unit heats as well as cools.

Specifications

Model	Cooling	Heating	Supply	Power (cool)	Draw (cool)	Airflow	W × H × D (mm)	Weight	Price ex. VAT
DM-MAC-D07-12	7,000 BTU	8,000 BTU	12 V DC	450 W	35 A	350 m³/h	400 × 280 × 238	18 kg	US$2,899.99
DM-MAC-D12-12	12,000 BTU	12,800 BTU	12 V DC	600 W	50 A	450 m³/h	480 × 300 × 285	23 kg	US$3,249.99
DM-MAC-D08-24	8,000 BTU	8,500 BTU	24 V DC	560 W	23 A	350 m³/h	400 × 280 × 238	18 kg	US$2,899.99
DM-MAC-D12-24	12,000 BTU	13,000 BTU	24 V DC	720 W	30 A	450 m³/h	480 × 300 × 285	23 kg	US$3,249.99
DM-MAC-D12-48	12,000 BTU	13,000 BTU	48 V DC	720 W	15 A	450 m³/h	480 × 300 × 285	23 kg	US$3,449.99
DM-MAC-D16-48	16,000 BTU	17,000 BTU	48 V DC	960 W	20 A	600 m³/h	500 × 340 × 315	31 kg	US$3,649.99

Common to all models: R134a refrigerant · seawater cooling circuit, 16 mm (5/8") hose · reverse-cycle heating · control panel with display included · minimum duct 100–150 mm depending on model · insulated flexible marine ducting · gravity condensate drain · dedicated DC circuit. A 3,500 BTU 12 V unit is available on request. Prices are per unit, ex. VAT, as published on drakemarine.com in October 2026, the same whether in stock or built to order.

What is included, what we specify

In the box: the complete self-contained unit with control panel and display.

Specified to your boat and priced in the quotation: seawater pump, strainer and through-hull; ducting, grilles and return-air path; breaker and cable to the installation drawing. The quotation includes the installation drawing and the wiring and breaker specification.

Planning figures

Unit	Typical night*	AGM bank at 50 %	Cable, 4 m run	Breaker
7,000 BTU · 12 V	≈170 Ah	≈400 Ah	16 mm²	50 A
12,000 BTU · 12 V	≈240 Ah	≈540 Ah	25 mm²	63 A
8,000 BTU · 24 V	≈110 Ah	≈280 Ah	10 mm²	30 A
12,000 BTU · 24 V	≈145 Ah	≈350 Ah	10 mm²	40 A
12,000 BTU · 48 V	≈70 Ah	≈200 Ah	10 mm²	30 A
16,000 BTU · 48 V	≈95 Ah	≈250 Ah	10 mm²	30 A

*Eight hours, thermostat cycling at a 60 % duty with the cabin pre-cooled, plus 30 Ah of other loads in the bank column. Cable sized for a 3 % drop over the round trip. Planning figures only; the installation drawing with the quotation gives the figures for your boat. Live calculator: drakemarine.com/dc-air-conditioning-battery-calculator/

Why Drake Marine

Fair pricing. One published price per model with no dealer chain between the factory and your boat; the units land at roughly half what imported names cost once freight and duty are counted.

Sized to the boat. BTU calculator for the cabin, run-time and battery calculator for the bank, and a specification check by us before anything is ordered. The unit, the Fullriver AGM house bank and the matched charger are quoted as one system.

Supported in Thailand. Two-year warranty with claims handled here. If a unit is faulty we arrange and pay the return freight and you choose replacement or refund. Spares and advice from Trang on LINE, WhatsApp and email.

Delivered. Free delivery to Trang, Krabi and Phuket; courier nationwide in 1–3 days once the unit is here; worldwide by courier or sea freight at cost, invoiced separately. The Fullriver AGM banks are classified non-hazardous for air transport.

Tools and guides: drakemarine.com/boat-tools/ (BTU, run-time and battery, cable calculators) · drakemarine.com/dc-air-conditioning-installation-guide-boat/

Drake Marine Co., Ltd. · Trang, Thailand · hello@drakemarine.com · WhatsApp +66 99 406 4680 · LINE @drakeco · drakemarine.com/product/marine-dc-air-conditioning-unit/ — Specifications are the published ratings at nominal voltage; real consumption depends on cabin insulation, sun, seawater temperature and set point.