

Cuddy dc Air Conditioning Kits

Easy & Affordable Cold Air for Smaller Cabins

Photo courtesy of Pro-Line Boats



Cuddy dc 3,500
BTU/hr Kit

The Dometic Cuddy dc is a compact 3,500 BTU/hr cool-only air conditioner designed to work with 12V power systems. Energized by a dedicated bank of batteries and a dedicated power module (DPM), the Cuddy dc makes your small cabin a refuge from the heat and sun. Compact—about the size of a typical battery box—this low-profile unit easily fits beneath a V-berth or in a storage area below deck. The Cuddy dc uses R-134A, a globally accepted, environmentally safe refrigerant.

Your dedicated 12V DC battery bank powers the system via the Dometic DPM. Two ABYC-approved wires (sized properly for your unique installation) run from the dedicated battery bank to the DPM. Easy-to-use polarized plugs connect the DPM to the seawater pump and the Cuddy dc unit. Optional cables are available for longer runs if your setup requires more than the standard 4.5 ft. (1.37 m) cable included with the kit.

To operate the system, the Cuddy dc uses a simple two-knob mechanical control. Since it draws no power itself, the mechanical control maximizes runtime and efficiency. The Cuddy dc system (compressor, blower, and pump) draws about 29 amps of DC power under normal operating conditions. Supplemental DC power comes to you via engine power (if available) or via shore power through a battery charger.

Key Benefits

- Designed for small cabins.
- Operates via simple 12V DC connections.
- Compact—about the size of a battery box.
- High-velocity blower with split capacitor for greater airflow.
- Stainless-steel chassis.
- Simple two-knob mechanical control maximizes efficiency and runtime.
- Minimal DC draw (about 29 DC amps total).
- No genset needed.
- Air distribution kits available.

Technical Specifications for Cuddy dc Kits

Component	Capacity	Dimensions (in/mm)			Weight (lbs./kg.)	Refrigerant	Electrical (Compressor, Blower, and PML 150 Pump)
		Height	Width	Depth			
Cuddy dc Unit	3,500 BTU/hr	9.25/235	15.00/381	8.0/204	29.0/13.2	R-134A	~29 amps ⁽¹⁾ (12V DC)
Dedicated Power Module (DPM)	N/A	5.13/130	10.00/254	2.67/68	3.0/1.3	—	
Control	N/A	5.50/140	3.25/83	2.75/70	—	—	
Seawater Pump	150 GPH	2.75/70	3.50/89	4.75/121	1.0/0.46	—	

Notes:

⁽¹⁾ Actual load is dependent upon humidity, seawater temperature, battery condition, voltage, and electrical connections.

Cuddy dc Kits & Accessories

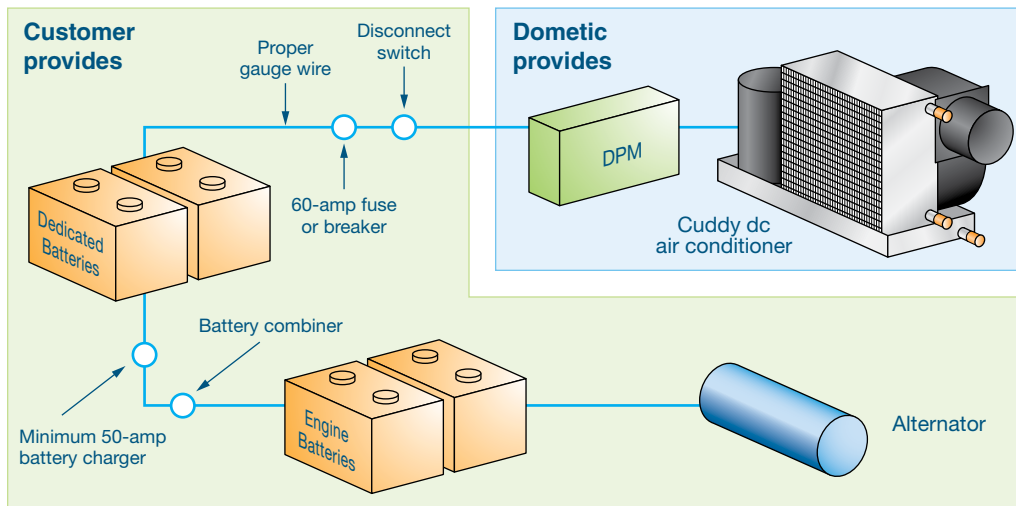
Cuddy dc – 12V DC system	Cooling-only unit, DPM, 150 GPH seawater pump, control, polarized plugs
Extension cable	DPM to Unit - 10' (3m)
Extension cable	DPM to Unit - 20' (6m)
Extension cable	PLM 250 to Unit - 10' (3m)
Air Distribution Kit – Black	3" discharge grille - black; 8" X 8" (204mm X 204mm) return grille; 10' (3m) of 3" duct
Air Distribution Kit – White	3" discharge grille - white; 8" X 8" (204mm X 204mm) return grille; 10' (3m) of 3" duct

Dedicated Power Module

Our Cuddy dc kit includes a Dedicated Power Module (DPM) that has been Dometic-tested to handle the air conditioning load.

Batteries & Battery Charger

You must provide the right type of batteries and the right type of battery charger. Use only Deep-Cycle AGM or Gel-Cell batteries. (Do not use Wet-Cell batteries.) The battery charger must be rated for the type of battery you use. The Cuddy dc requires a dedicated battery bank. To maximize runtime, we recommend using at least two batteries in the bank. (The more cells, the longer the runtime.) All batteries used must be of the same type (either all AGM or all Gel Cell), the same capacity, and the same age.



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