

# CoolMatic Cooling Kits

## Customized Do-It-Yourself Refrigeration

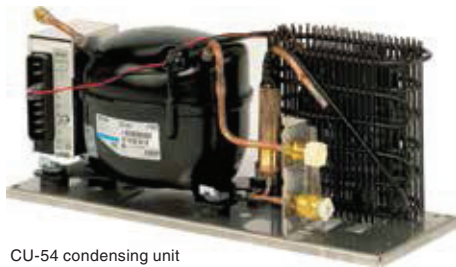


CU-86 condensing unit shown

Performance, efficiency, and quality are hallmarks of the CoolMatic 80 Series by Dometic. Compact, easy-to-install CoolMatic units are designed to provide up to 8.8 cu. ft. (249 liters) of refrigeration or up to 2.5 cu. ft. (65 liters) of deep freezing. Powered by a Secop BD35F compressor, the versatile CoolMatic Series offers three different configurations for installation flexibility and tailor-made cooling applications.

These cooling units are designed to work with CoolMatic 80 Series Evaporating units. Six configurations are offered (see reverse side) to match the performance of the compressor.

The CoolMatic Series is specifically designed to survive the rigors of the harsh marine environment, and to provide exceptional performance in hot and humid conditions, erratic or low voltage, and continuous use.



CU-54 condensing unit



CU-55 condensing unit



CU-84 condensing unit



CU-85 condensing unit

### Key Benefits

- Designed for small to medium refrigerator or small freezer capacities
- Designed to work in warmer waters
- Corrosion-resistant stainless-steel mounting plate
- Applications up to 8.8 cu. ft. (249 liters) of refrigeration and up to 2.5 cu. ft. (65 liters) of deep freezing
- Equipped with a power-regulated Secop BD35F compressor
- Environmentally-safe R-134A refrigerant
- Six evaporator types to match the performance of the compressor (details on reverse side)

### Technical Specifications for CoolMatic 50 Series Condensing Units (With Compatible Evaporating Units)

MODEL	COOLMATIC CU-54	COOLMATIC CU-55	VD-01 EVAPORATING UNIT	VD-02 EVAPORATING UNIT	VD-07 EVAPORATING UNIT	VD-17 EVAPORATING UNIT
Capacity	Refrigeration: 4.60 cu. ft. (130 liters) 12/24V DC	Refrigeration: 4.60 cu. ft. (130 liters) 12/24V DC	2.8 cu. ft. (80 liters) N/A	1.1 cu. ft. (30 liters) N/A	3.5 cu. ft. (100 liters) N/A	2.8 cu. ft. (80 liters) N/A
Voltage	12/24V DC	12/24V DC	N/A	N/A	N/A	N/A
Configuration	Suitable for Floor Mounting	Suitable for Floor Mounting	"L" shape, horizontal or vertical installation	Plate, horizontal or vertical installation	"O" shape, horizontal or vertical installation	Plate
Dimensions (WxHxD)	15.2 x 6.5 x 5.1 in. (386 x 165 x 130 mm)	8.7 x 6.3 x 8.7 in. (220 x 160 x 220 mm)	11.8 x 10.6 x 4.3 in. (300 x 270 x 110 mm)	10.8 x 9.4 x 1.0 in. (275 x 240 x 25 mm)	10.0 x 8.3 x 3.5 in. (255 x 210 x 90 mm)	9.8 x 13.7 x 1.0 in. (248 x 347 x 25.4 mm)
Net Weight	13.23 lbs. (6.0 kg.)	13.23 lbs. (6.0 kg.)	3.3 lbs. (1.5 kg.)	3.3 lbs. (1.5 kg.)	3.3 lbs. (1.5 kg.)	3.1 lbs. (1.40 kg.)
Installation						

### Technical Specifications for CoolMatic 80 Series Condensing Units (With Compatible Evaporating Units)

MODEL	COOLMATIC CU-84	COOLMATIC CU-85	COOLMATIC CU-86	COOLMATIC CU-87	VD-04 EVAPORATING UNIT
Capacity	Refrigeration: 8.83 cu. ft. (250 liters) Deep freezing: 2.47 cu. ft. (70 liters)	Refrigeration: 8.83 cu. ft. (250 liters) Deep freezing: 2.47 cu. ft. (70 liters)	Refrigeration: 8.83 cu. ft. (250 liters) Deep freezing: 2.47 cu. ft. (70 liters)	Refrigeration: 8.83 cu. ft. (250 liters) Deep freezing: 2.47 cu. ft. (70 liters)	4.6 cu. ft. (130 liters)
Voltage	12/24V DC	12/24V DC	12/24V DC	12/24V DC	N/A
Configuration	Horizontal Platform	Square Layout	Vertical or Wall Mount	Suitable for Floor Mounting	"L" shape
Dimensions (WxHxD)	15.2 x 6.1 x 5.1 in. (386 x 155 x 129 mm)	8.7 x 6.1 x 8.7 in. (220 x 155 x 220 mm)	8.7 x 9.0 x 7.6 in. (220 x 228 x 193 mm)	17.3 x 8.9 x 7.9 in. (440 x 225 x 200 mm)	14.8 x 10.0 x 3.9 in. (357 x 254 x 99 mm)
Net Weight	13.2 lbs. (5.98 kg.)	13.2 lbs. (5.98 kg.)	14.3 lbs. (6.40 kg.)	16.5 lbs. (7.5 kg.)	3.3 lbs. (1.5 kg.)
Installation					
MODEL	VD-05 EVAPORATING UNIT	VD-08	VD-09	VD-15	VD-18
Capacity	4.6 cu. ft. (130 liters)	5.7 cu. ft. (160 liters)	5.7 cu. ft. (160 liters)	7.0 cu. ft. (198 liters)	4.5 cu. ft. (127 liters)
Voltage	N/A	N/A	N/A	N/A	N/A
Configuration	Plate	90° Angle	"O" shape	Circulating Air	Plate
Dimensions (WxHxD)	14.8 x 13.7 x 1.0 in. (375 x 348 x 25.4 mm)	13.4 x 17.7 x 10.6 in. (340 x 449 x 269 mm)	14.4 x 5.5 x 10.6 in. (365 x 139 x 269 mm)	8.6 x 10.8 x 2.6 in. (218 x 274 x 66 mm)	9.8 x 13.7 x 1.0 in. (248 x 347 x 25.4 mm)
Net Weight	3.3 lbs. (1.5 kg.)	4.4 lbs. (2.0 kg.)	4.4 lbs. (2.0 kg.)	4.4 lbs. (1.99 kg.)	3.1 lbs. (1.40 kg.)
Installation					

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Specifications and availability subject to change without notice.



Dealer