

# Auxiliary Remote Truck

## Air Conditioning & Heating Systems



**Dometic auxiliary remote truck air conditioning systems are designed to cool or heat** the cab and sleeper without running the truck's diesel engine, saving fuel and preserving the environment. The systems run on 120VAC electricity, which is supplied by a shorepower connection, an auxiliary power unit (APU) or a battery-based system. Models are available in 7,000 BTU/Hr, 10,000 BTU/Hr and 14,000 BTU/Hr capacities. Electrical strip heating options include 1, 1.5, 2, 2.5, 3 and 4 KW, and can be specified as either single or two-stage. It can also be integrated with a diesel fuel heater, using the same Dometic Qt Control/Display.

The system consists of separate inside (evaporator) and outside (condenser) sections connected by flexible refrigerant lines. Designed for the harsh trucking environment, the units are vibration and corrosion resistant, and are backed by more than 40 years of mobile air conditioning experience. A digital thermostat controls the system and is ordered separately. Government-approved environmentally friendly R-417A refrigerant (HFC) is used.

The ACC condenser section has a highly efficient, lightweight, compact all-aluminum condenser and a 24VDC cooling fan within a powder-coated aluminum housing. To save space and reduce noise, it is mounted outside, typically under the cab.

The EHC inside evaporator unit consists of a compressor, evaporator coil, electric heat strip and a blower in an aluminum enclosure with a deep condensate drain pan. A cooling only unit (no heat strip) is also available. This compact unit is designed to be installed under a bunk, or in the bottom of a closet or cabinet. An efficient rotary compressor was selected for its quiet operation, and the enclosure further minimizes noise in the sleeper. A built-in electric heat strip provides heat during cold weather. The strong squirrel-cage blower moves the cooled or heated air to one or more discharge grilles through insulated flexible or fixed ducts.

The condenser, evaporator and lineset are all charged at the factory with the proper amount of refrigerant. Reuseable quick-connect fittings are specified so that no special refrigerant handling equipment is required. Wire harnesses are waterproof and polarized for each plug-and-play installation.

A sleek and attractive cover for the 7,000 BTU Day Cab interior system is available to provide protection to the unit while muffling sound for a more comfortable cab environment. The Dometic Qt Control/Display can be mounted directly onto the top of the cover, allowing easy access for the driver.

10,000 BTU/hr  
System shown

### Key Benefits

#### ACC OUTSIDE CONDENSER UNIT

- Rugged polished stainless steel enclosure
- Designed for corrosion and vibration resistance
- 24VDC cooling fan

#### EHC INSIDE EVAPORATOR UNIT

- Compact unit
- Quiet, powerful squirrel-cage blower
- Rotary compressor inside sound shield
- Built-in electric heat strip – optional diesel-fired heater
- Digital thermostat control (sold separately)
- Deep drain pan for condensate removal
- Polarized plug-and-play waterproof electrical connections
- Refrigerant connections are reuseable quick-connect devices



7,000 BTU  
Model and Cover  
P/N 5047656

 **Dometic**

# Specification Details

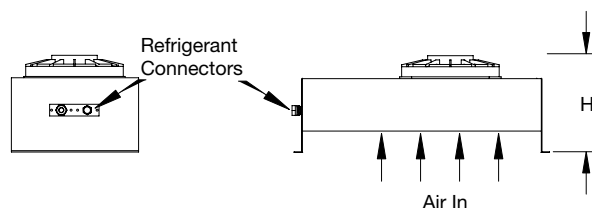
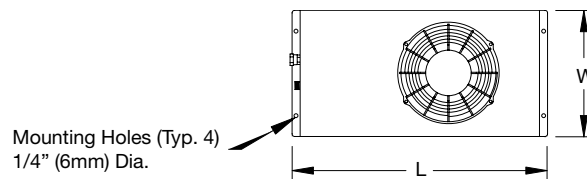
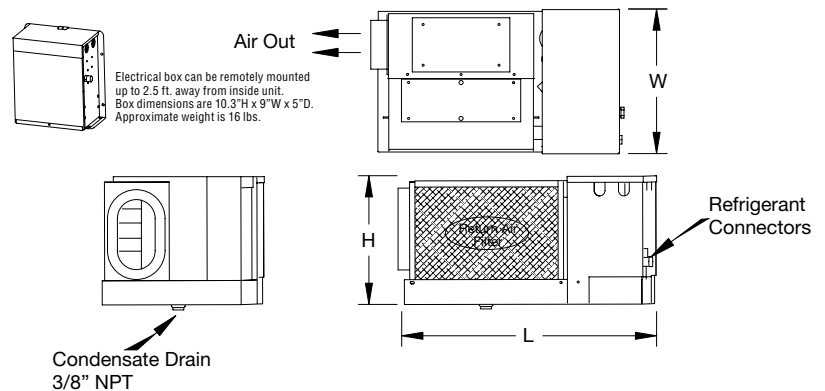
## INTERNAL UNIT - EVAPORATOR/HEATER/COMPRESSOR

Model	ECEQ7*	EHCEQ7*	ECEQ10	EHCEQ10	EHCEQ10	EHCEQ10	ECEXQ14	EHCEQ14	EHCEQ14	EHCEQ14	EHCEQ14
Cooling Capacity (BTU/Hr)	7,000	7,000	10,000	10,000	10,000	10,000	14,000	14,000	14,000	14,000	14,000
Heating Capacity***	cooling only	1 kW	cooling only	7500 BTU Esper Ready	1.5 kW	2 kW	cooling only	1.5 kW	2.5 kW	2.5 kW 2-stage	4 kW 2-stage
Control	smart digital	smart digital	smart digital	smart digital	smart digital	smart digital	smart digital	smart digital	smart digital	smart digital	smart digital
Height (in)	11.75	11.75	11.63	11.63	11.63	11.63	11.69	11.69	11.69	11.69	11.69
Width (in)	10.25	10.25	11.12	11.12	11.12	11.12	13	13	13	13	13
Length (in)	19.25	19.25	20.19	20.19	20.19	20.19	22	22	22	22	22
Weight (lbs)	53	53	60	60	62	62	64	65	65	65	65
Cool amps**	7.3	7.3	11.8	11.8	11.8	11.8	14.5	14.5	14.5	14.5	14.5
Heat amps**	n/a	8.2	n/a	1.0	13	17	n/a	13	21	11.4 + 10.4	23.2 + 12.1
Refrigerant	R-417A	n/a	R-417A	R-417A	R-417A	R-417A	R-417A	R-417A	R-417A	R-417A	R-417A

## EXTERNAL UNIT - CONDENSER

Model	ACCD7	ACCE10	ACCE14
Cooling Capacity (BTU/Hr)	7,000	10,000	14,000
Height (in)	6.125	6.125	6.625
Width (in)	11.3125	12.5	12.5
Length (in)	21.875	24.5	24.5
Weight (lbs)	10	12	13
Cool amps**	n/a	n/a	n/a
Heat amps**	n/a	n/a	n/a
Refrigerant	R-417A	R-417A	R-417A

**NOTES:** The system is rated to provide full capacity at 95°F (35°C) outside temperature. Actual performance will be affected by factors such as ambient temperature and humidity, insulation, direct sunlight and reflected heat. \*Electrical box is separate for all models except for this model where the electrical box is integral. \*\*Power consumption at 120VAC. \*\*\*Other heat capacities are optional. Esper Ready unit is set up to operate the Esper D2 Airtonic Heater. The heater draws approximately 2.8 amps @ 12VDC. 1 kW of electric heat equals 3,414 BTU/hr.



DOMETIC • US Patent 7,140,192 • US Patent 7,171,822  
US Patent 5899081 • Other Patents Pending

Dealer:

## Recommended Duct & Min. Grill Sizes

BTU/Hr	7,000	10,000	14,000
Return Air (sq in/cm)	80/520	100/650	144/936
Discharge Air (sq in/cm)	50/325	60/390	80/520
Recommended Duct Size (in/mm)	5/127	5/127	7/178

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