

Auxiliary Remote Truck

Air Conditioning & Heating Accessories



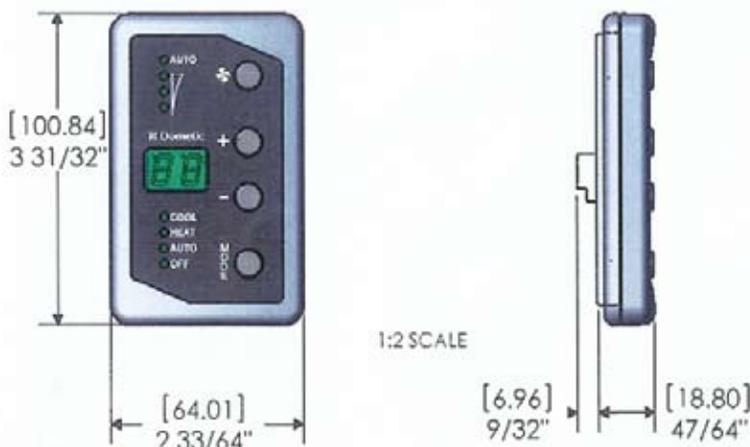
Dometic Qt Control/Display is used with Dometic auxiliary truck air conditioners. It is a compact surface mount unit, allowing easy incorporation into the truck's interior. A large, easy-to-read LED digital display shows temperature, setpoint, and fault codes. Four buttons allow easy control of mode, fan speed, and temperature. The control has a 12V signal that indicates a start requirement for generators (when the generator has this function), and it is CANbus capable. There is a program setting for battery-based systems that limits upper and lower temperature settings. The Qt can control a diesel-fired heater and two-stage electric heat elements.



Accessories

featured in this spec sheet

- Qt Control/Display
- Alternators
- Inverters
- Discharge and Return Air Grilles
- Battery Separators
- Circuit Breaker
- Battery-Fuel Gauge
- Battery Boxes
- Batteries
- Battery Connection Kit
- Shorepower



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Leece/Neville alternators are high capacity for rapid and full recharging of batteries. They are used in conjunction with an external regulator to assure proper charging under all battery conditions. The charging program has three-stage characteristics. These rugged and market-proven components carry a 3-year warranty when used together. Alternator requirements:

6 Batteries or Less	7-9 Batteries	More than 10 Batteries
185 amp alternator	270 amp alternator	320 amp alternator

Dometic Model	Description	Leece-Neville Part Number
710035053	185 amp J180 MOUNT	4936AAH
710035052	185 amp PAD MOUNT	4939AAH
710035060	270 amp J180 MOUNT	4870AA
710035057	270 amp PAD MOUNT	4949PA
710035062	320 amp J180 MOUNT	4890AA
710035061	320 amp PAD MOUNT	4966PAA
710035054	Regulator - 3 stage, external, for all alternators	MC 614IS - Kit

Inverters change DC current into AC current. Dometic partners with an experienced inverter manufacturer to provide a series of inverters that allow a Dometic air conditioning systems to start and run efficiently. The Dometic/HDM inverter is available as a stand-alone inverter, or as an inverter charger with a shorepower pass through. The shorepower pass through greatly simplifies the overall wiring process. The efficiency of this inverter approaches 90%, meaning more of its work goes toward powering the air conditioner, and not as waste heat.

Dometic Model	Description
4220507	Inverter Charger 2kW Inverter & 50 amp charger GP 31 size
4220505	Inverter 2kW Inverter GP 31 size

Discharge-Air and Return-Air Grilles are available in different sizes for a variety of applications. All grilles are black and compliment truck interiors. They are easy to install, with mounting frames and snap-on covers. Each system installation requires at least one discharge-air grille and one return-air grille. The grilles connect to the system with flexible ducting. See the spec sheets for Dometic Auxiliary Remote and Self-Contained Truck Air Conditioning Systems for a chart of Recommended Duct and Minimum Grille Sizes for various system capacities. Price sheets list available sizes.

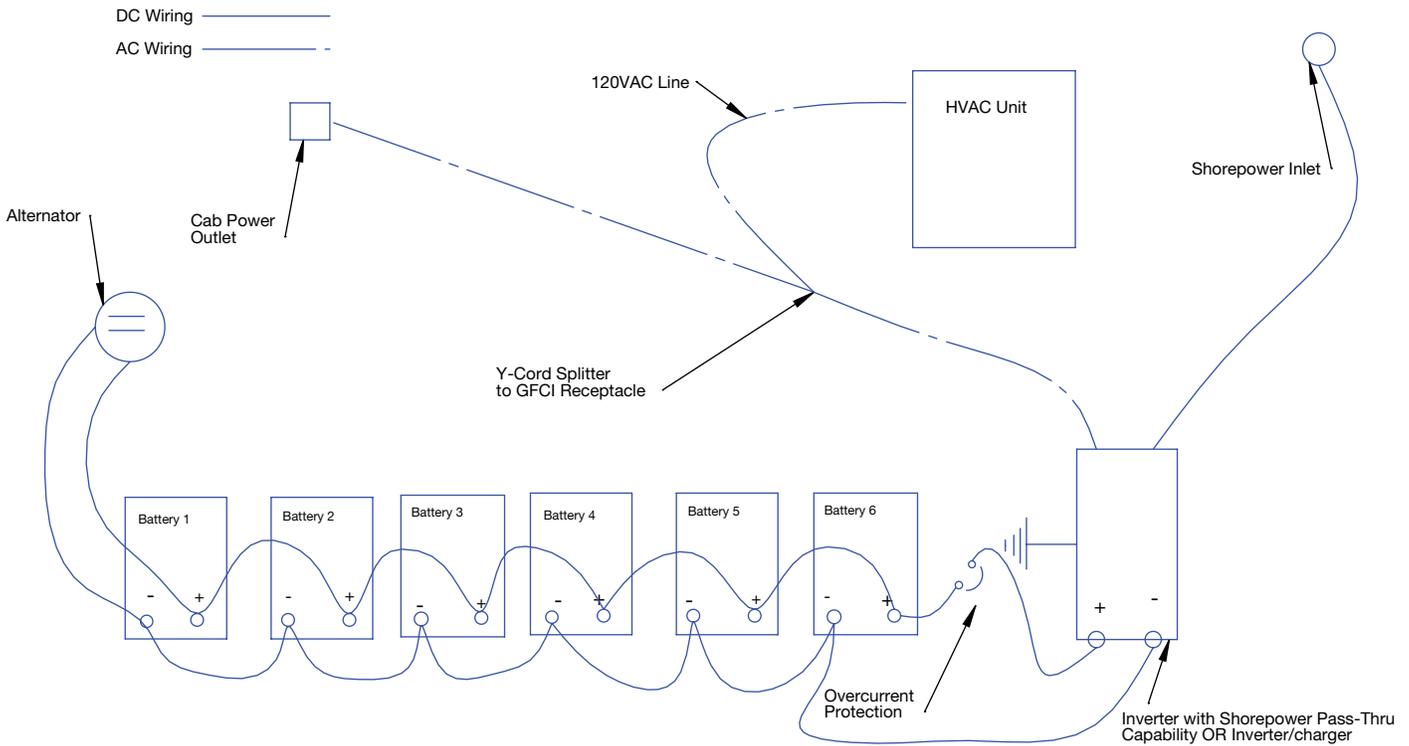
Battery Separator prevents backflow of current between two battery banks. Composed of a high-ampacity solenoid and an electronic control package, the separator allows amperage flow based on the presence of a charging voltage when there are two battery banks. There is no voltage drop across the separator.

Dometic Model	Description
4192000	Battery Separator 200 A bi-directional
4192001	Battery Separator 200 A uni-directional



Circuit Breaker protects battery cables going to the inverter and protects the inverter from overload.

Dometic Model	Description
4123420	Circuit breaker – 200 amp DC



NOTES:

- 1) House batteries must be of the AGM dual-purpose, deep-cycle/starting type.
- 2) Alternator should be upgraded. Discuss with Dometic Applications Department for recommendation.
- 3) Inverter type must be approved by Dometic in order to ensure proper operation of system.
- 4) Cable size should be chosen based on voltage drop and load. Cable to inverter should be 2/0 gauge or greater. All cables should have an ampacity rating greater than the expected amp flow and/or the overcurrent protection device.

Battery-Fuel Gauge indicates the state of the battery system. Use the Select button to monitor battery voltage, battery current, battery capacity remaining, and battery hours remaining.

Dometic Model	Description
4220506	Battery fuel gauge (DOM/HDM) 2 kW



Battery Boxes are available in multiple sizes to house 3, 4, or 6 batteries per box. Certain battery boxes are pre-wired for the circuit breaker, inverter, separator (if option is chosen), and AGM Group 31 batteries.



Dometic Model	Description	Dimensions
710035104	Box Battery 6-GP 31 2-Level	26.25"h x 26.75"w x 18"d
710035110	Box Battery 6-GP 31 2-Level, wired for circuit breaker, inverter and 4 batteries	26.25"h x 26.75"w x 18"d
5047908	Box Battery 3-GP 31	15.5"h x 21"w x 25"d
710035102	Box Battery 4-GP 31 plain lid	15.5"h x 20.25"w x 28.5"d
710035100	Box Battery 6-GP 31 plain lid	15.75"h x 27.5"w x 28.375"d

Batteries – Dometic specifies and recommends Group 31 AGM batteries from the following vendors.

Dometic Model	Description	Manuf. P/N	CCA	RC min @ 80°F
1066004	DEKA GP 31 AGM battery	8A31DT	800	190
1066005	Discover GP 31 AGM battery	EV31A-A STUD	750	205
1066003	Exide GP 31 AGM Battery	XRF31D	925	200
1066001	Northstar Grp 31 AGM battery	NSB-G3100	1200	200

Battery Connection Kit – these locking nuts use a "crushed thread" technique to assure firm electrical connections.

Dometic Model	Description
710035069	Battery Connection Kit – Installation: 4 Batteries, special locking nuts and grease

Shorepower and **Shorepower to Inverter Kits** allow the HVAC to run and the batteries to recharge without running the truck's engine. The Y-cord and 20 GFCI Kit is also available, providing an internal GFCI receptacle.

Dometic Models	Description
4163713	Shorepower and Shorepower to Inverter Kit
4163714	Y – inverter to HVAC and receptacle (GFCI)
4163710	Extension Kit – inverter to HVAC (no shorepower hookup)

Note: Shorepower to Inverter Kit and Y-inverter Kit may be used together.
The Extension kit is not required when either the Shorepower to Inverter Kit or Y-Inverter Kit are used.

Installation and Air Distribution Kits for specific trucks are being added regularly. See all Dometic kits at www.dometictruck.com or call the factory and ask for Applications.

Dealer:

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