

DISASTER PORTABLE MORGUE UNIT

OPERATOR MANUAL & STORAGE INSTRUCTIONS

THIS MANUAL IS APPLICABLE FOR MODEL DPMU-17 ONLY

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HIGH VOLTAGE! WARNING - Your Disaster Portable Morgue Unit utilizes high voltage power to operate. *THE POWER DISTRIBUTION BOX COVER SHOULD BE CLOSED AND LATCHED AT ALL TIMES UNLESS REQUIRED TO CONTROL REFRIGERATION UNIT, PERFORM MAINTENANCE OR TROUBLESHOOTING. THE POWER DISTRIBUTION PANEL CONTAINS HIGH VOLTAGE. IMPROPER USE CAN CAUSE ELECTRICUTION. ELECTRICAL MAINTENANCE SHOULD ONLY BE PERFORMED BY A LICENSED ELECTRICIAN*

Introduction

OVERVIEW OF OPERATION AND UNIT DESIGN

The DPMU is designed to maintain 35°F interior temperature at 110°F outside ambient temperatures while stationary. The unit is designed to run primarily on 240V 50A shore power. The DPMU is additionally equipped with a back-up generator to provide emergency and short-term power supply.

A 240VAC 50A power service is required to operate the onboard refrigeration unit. All interior lighting is powered by the 120VDC leg of the 240VAC shore power at power distribution box. 240VAC shore power flows into a circuit breaker box. One (1) 240VAC circuit breaker is dedicated to the refrigeration unit circuit. One (1) 120VAC circuit breaker is dedicated to power the interior lights

Unit maintenance is minimal and is detailed in manuals found herein and in the refrigeration unit manual found in the document storage box located on the inside wall of the DPMU.

THIS MANUAL IS DESIGNED TO BE USED IN CONJUNCTION WITH THE GENERATOR, REFRIGERATION UNIT, TRANSFER SWITCH AND 12VDC SMART CHARGER MANUFACTURERS' MANUALS, INSTRUCTIONS, MAINTENANCE PROCEDURES, SAFETY WARNINGS, ETC. USERS SHOULD BE THOROUGHLY FAMILIAR WITH ALL MANUALS AND GUIDES PRIOR TO OPERATING THE DPMU. USERS ARE ENCOURAGED TO MAINTAIN ACCURATE MAINTENANCE LOGS.

DPMU BASIC OPERATION

SHORE POWER OPERATION

To start refrigeration unit, plug the male side of the provided shore power cable into a dedicated 240V 50A circuit (building-side receptacle is provided) and plug the female end into the power inlet located on the side of the power distribution box on the front exterior wall. Power will flow to refrigeration unit immediately after plugging in (if breaker is ON).

Start the refrigeration unit by turning the refrigeration master power switch (located inside the refrigeration unit above power distribution/breaker box) to ON. Interior temperature should be pre-set to 35°F. The refrigeration controller will display the current interior temperature and OFF (cycling the messages).

To check temperature setting, press and hold the SET button until temperature is displayed. Press up or down (orange) arrow buttons to select desired temperature (35°F). When desired temperature is displayed, press the SET button again. NOTE: The refrigeration unit may not start for up to two (2) minutes after being turned on.

Be sure to close and latch the power distribution/breaker box cover at all times.

Detailed refrigeration unit instructions can be found in operators manual located inside records box on interior wall.

Ensure that the rear entry door is closed and latched at all times unless absolutely required in order to maintain interior temperature. NOTE: It may take 8-10 hours to initially reach set temperature.

INTERIOR LIGHTING

The DPMU is equipped with internal 120VAC LED lighting. All lights are motion activated when DPMU is plugged into a power source and 120VAC leg of circuit breaker is in the ON position

SYSTEM TECHNICAL DESCRIPTIONS

SHORE POWER

The DPMU is designed to be primarily powered from a “shore” (building) 240V / 50A power source. To power from a shore source, plug the male side of provided power cable into 240VAC 50A shore power source (a building-side receptacle is provided in case it is needed). Plug the female end into the trailer side receptacle located on the side of the power distribution/breaker box. Circuit breaker(s) must be in the ON position for operation.

GENERATOR POWER (IF EQUIPPED)

Ensure generator has fuel, fuel shut-off switch is in the ON position, main circuit breaker is in the ON position.

POWER DISTRIBUTION/BREAKER BOX

The power distribution/breaker box houses the following equipment:

- Shore Power Receptacle
- 120VAC/240VAC Circuit Breaker
- Wiring to/from Refrigeration Unit, Shore Power Receptacle, Interior Lighting

Power Distribution/Breaker Box should always be closed and latched.



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REFRIGERATION UNIT

The onboard refrigeration unit is controlled by a controller inside the unit, on the “driver” side above the power distribution box. After 240VAC power is supplied to the DPMU, the refrigeration unit is turned on/off and temperature can be set on the controller. Temperature should always be set to 35°F. Refrigeration unit should be turned off whenever it is not in use.



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REAR ENTRY DOOR

The rear entry door doubles as a ramp for personnel, roller lifts, stretchers, carts, etc. It is imperative that the door remain closed and both latches remain secured at all times in order to maintain interior temperature.

LOOSE INVENTORY

The DPMU is equipped from the factory with the following loose inventory:

- Rolling Racks (With Tethered Safety Lock Pins, If Applicable)
- Rolling Rack Ratchet Wall Straps
- Cadaver Trays
- Cadaver Tray Straps
- 50-Foot 240VAC/50A Shore Power Cord
- 50A Building-Side Receptacle
- Spare Tire
- Lug Wrench
- Wheel Chocks (2)
- Storage Crate
- Refrigeration Unit Manual, DPMU Operator Manual, and Maintenance Logs (All located In Document box on Interior Wall)

Please contact Acela at (800) 940-0508 for replacement inventory

PDF copies of all manuals can be found at www.ancelatruck.com/support/downloads

SPARE TIRE

Your DPMU is equipped with a full-size spare tire and wheel. The spare tire is mounted underneath the trailer.

MAINTENANCE

The DPMU is requires very little maintenance. Maintenance is limited to:

Maintain refrigeration unit according to manufacturers' instructions

Inspect and maintain tires, hubs and brakes

STOWING EQUIPMENT

The DPMU was designed to safely stow all equipment provided. Cadaver trays should be placed on the racks and taped to the racks securely or pinned with Safety Lock System (if equipped). Racks should be ratchet strapped tightly to walls. Electrical cable, building-side receptacle, spare tire, lug wrench, wheel chocks (if not being used while stored) should be stored in provided red storage crate and securely strapped on top of one of the trays with the tray strap. Document box located on the inside wall should be checked for all manuals, guides and maintenance logs. Replacement parts and optional accessories can be ordered by calling Acela at (800) 940-0508.

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LONG TERM STORAGE

When storing the unit for long periods of time:

- Check all systems and interior/exterior lighting for proper performance
- Thoroughly clean, disinfect all interior surfaces, accessories, parts, etc. – use flooring cleaners approved for vinyl flooring.
- Allow interior and all items to dry completely before sealing door
- Check that all inventory is present and properly stowed
- Close and lock rear door
- Check and perform all required refrigeration unit maintenance
- Check tires for wear and aging, replace as necessary
- Check tire pressures (proper pressures are noted on the side walls near tires, fill as necessary)
- Cover tires if they are exposed to sunlight
- Check DOT lighting (stop, turn, tail, marker and clearance lights)
- Make any repairs as necessary

TOWING

The DPMU is equipped with a 2 5/16" ball-style hitch and a 7-Pin Round style electrical/wire connector.

DPMU factory shipping weight (approximate and subject to change):

DPMU17: 6,400 lbs.

Ensure that your tow vehicle is rated to tow the appropriate loads. Make sure all loads are secured before moving the trailer

TROUBLESHOOTING

DPMU is plugged in, but no power is being supplied to refrigeration unit – Check that 240VAC circuit breaker is in the ON position. Check again that refrigeration unit has power by turning the compressor power and refrigeration controller ON at the control head. Probe building side power source – if no power determine problem with building-side connection. Probe switched side of AC circuit breaker – if no power then check circuit breaker.

DPMU is plugged in, but no interior lights are illuminating – Check that the 120VAC circuit breaker is in the ON (up) position.

Brakes not functioning properly – Bring trailer to a licensed trailer dealer or maintenance facility for repairs.

DOT lighting not functioning properly – Check electrical source (i.e. tow vehicle). Bring trailer to a licensed trailer dealer or maintenance facility for repairs.



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SUPPLIES, PARTS AND SERVICE

Replacement and maintenance parts and supplies are available by calling (800) 940-0508

All manuals, guides and logs can be downloaded from www.aceatruck.com/support/downloads

OPTIONAL EQUIPMENT

- Safety-Lock Tray Securement System
- Auxiliary generator fuel tank is available (if applicable)

Other options or customization may be available.

Please contact Acela at (800) 940-0508 for information about optional items.

WIRING DIAGRAM

Can be requested from Acela at (800) 940-0508 or downloaded from www.aceatruck.com/support/downloads