PEDIGO®

OPERATION & CARE MANUAL

Elite Series Blanket Warming Cabinet

P-2205 1.5ft^3
P-2210 2.5ft^3
P-2220 3.5ft^3
P-2230 4.0ft^3
P-2240 7.5ft^3

P-2220

P-2210

P-2205
(shown with optional timer)

P-2240
(shown with optional timer)

P-2230
(shown with optional timer)

OPERATION & CARE

MN-37073 (MM-1074) Rev 0 (07/15)

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Wire Diagrams . . . . . refer to wire diagram included with the unit.

ENVIRONMENTAL CONDITIONS

Transport and Storage Environmental Conditions (not to exceed 15 days)

- Ambient temperature range of -40° to +70°C (-40° to +159°F).
- Relative humidity range of 10% to 95%, non-condensation.
- Atmospheric pressure range of 50KPa to 106KPa.

Operational Environmental Conditions

- Unit must acclimate to room temperature in the environment it will be placed. 24 hours is recommended.
- Recommended environmental temperature range is 15°C to 32°C (60°F to 90°F).
- Recommended relative humidity is above 20%, non-condensation.

DELIVERY

The warming cabinet has been thoroughly tested and inspected to insure only the highest quality unit is provided. Upon receipt, check for any possible shipping damage and report it at once to the delivering carrier. See Transportation Damage and Claims section located below.

This appliance, complete with unattached items and accessories, may be delivered in one or more packages. Check to ensure that all standard items and options have been received with each model as ordered.

Save all the information packed with the appliance. Complete and return the warranty card to the factory as soon as possible to assure prompt service in the event of a warranty parts and labor claim.

This manual must be read and understood by all people using or installing the equipment model. Contact the service department if you have any questions concerning installation, operation, or maintenance.

SERIAL NUMBER IS REQUIRED FOR ALL INQUIRIES

Always include both model and serial numbers in your correspondence regarding the unit.

Model: _____

Serial Number: _____

Purchased From: _____

Date Installed: _____ **Voltage:** _____

TRANSPORTATION DAMAGE & CLAIMS

All Pedigo Products, Inc. equipment is sold F.O.B. shipping point, and when accepted by the carrier, such shipments become the property of the consignee.

Should damage occur in shipment, do not put the appliance into service until the damage has been inspected by an authorized service provider.

Should damage occur in shipment, it is a matter between the carrier and the consignee. In such cases, the carrier is assumed to be responsible for the safe delivery of the merchandise, unless negligence can be established on the part of the shipper.

1. Make an immediate inspection while the equipment is still in the truck or immediately after it is moved to the receiving area. Do not wait until after the material is moved to a storage area.
2. Do not sign a delivery receipt or a freight bill until you have made a proper count and inspection of all merchandise received.
3. Note all damage to packages directly on the carrier's delivery receipt.
4. Ensure the driver signs this receipt. If he refuses to sign, make a notation of this refusal on the receipt.
5. If the driver refuses to allow inspection, write the following on the delivery receipt: **Driver refuses to allow inspection of containers for visible damage.**
6. Telephone the carrier's office immediately upon finding damage, and request an inspection. Mail a written confirmation of the time, date, and the person called.
7. Save any packages and packing material for further inspection by the carrier.
8. Promptly file a written claim with the carrier and attach copies of all supporting paperwork.

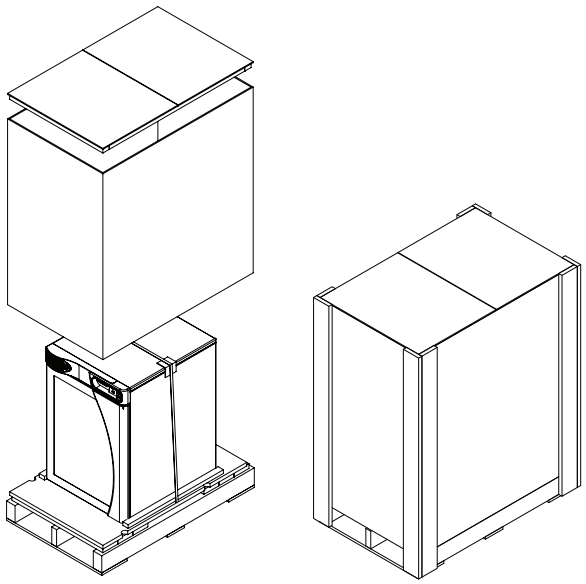
We will continue our policy of assisting our customers in collecting claims which have been properly filed and actively pursued. We cannot, however, file any damage claims for you, assume the responsibility of any claims, or accept deductions in payment for such claims.

UNPACKING AND SET-UP

- Carefully remove the appliance from the carton (A) or crate (B)

NOTICE: Do not discard the carton and other packaging material until you have inspected the unit for hidden damage and tested it for proper operation.

- Read all instructions in this manual carefully before initiating the installation of this appliance, using the appliance or performing routine maintenance. Following procedures other than those indicated in this guide to use and clean the appliance is considered inappropriate and may cause damage, injury or fatal accidents, in addition to invalidating the guarantee and relieving the manufacturer of all liability.
- **DO NOT DISCARD THIS MANUAL.** This manual is considered to be part of the appliance and is to be provided to the owner or manager of the business or to the person responsible for training operators. Additional manuals are available from the service department.
- Remove all protective plastic film, packaging materials, and accessories from the appliance before connecting electrical power. Store any accessories in a convenient place for future use.



A B

SAFETY PROCEDURES AND PRECAUTIONS

Knowledge of proper procedures is essential to the safe operation of electrically energized equipment. The following hazard signal words and symbols may be used throughout this manual.

DANGER

Used to indicate the presence of a hazard that WILL cause severe personal injury, death, or substantial property damage if the warning included with this symbol is ignored.

WARNING

Used to indicate the presence of a hazard that CAN cause personal injury, possible death, or major property damage if the warning included with this symbol is ignored.

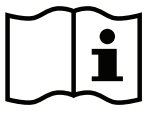
CAUTION

Used to indicate the presence of a hazard that can or will cause minor or moderate personal injury or property damage if the warning included with this symbol is ignored.

CAUTION

Used to indicate the presence of a hazard that can or will cause minor personal injury, property damage, or a potential unsafe practice if the warning included with this symbol is ignored.

Used to indicate that referral to operating instructions is a mandatory action. If not followed the operator or patient could suffer personal injury.



Used to indicate that referral to operating instructions is recommended to understand operation of equipment.

NOTICE: Used to notify personnel of installation, operation, or maintenance information that is important but not hazard related.

WARNING

Transport shall only be done with the doors closed.

1. This blanket warmer is intended for warming DRY, cotton blankets ONLY. No other use for this device is authorized or recommended.
2. This warmer is intended for use in commercial establishments where all operators are familiar with the purpose, limitations, and associated hazards of this device. The warmer can be used wherever there is appropriate space and electrical source including patient support areas, ER, ICU, PACU, surgical suites, patient rooms, and nursing stations. Operating instructions and warnings must be read and understood by all operators and users.
3. Any trouble shooting guides, component views, and parts lists included in this manual are for general reference only and are intended for use by qualified technical personnel.
4. This manual should be considered a permanent part of this device. This manual and all supplied instructions, diagrams, schematics, parts lists, notices, and labels must remain with the device if the item is sold or moved to another location.

NOTICE: **Due to the energy efficient design of the warming cabinet and tight seal around the door, the water vapor from moist or damp blankets placed in the warming cabinet may cause condensation to collect on interior surfaces. To avoid this accumulation, use DRY blankets or towels.**

NOTICE: **A temporary odor may be noticeable upon initial start-up of unit. Contact manufacturer if the odor persists after a day or longer of continuous use.**

NOTICE: **For equipment delivered for use in any location regulated by the following directive:**

DO NOT dispose of electrical or electronic equipment with other municipal waste.

WARNING

Appliance and accessories may be heavy. To prevent serious injury, ALWAYS use a sufficient number of trained and experienced workers when moving or leveling appliance and handling accessories.

PREPARATION

Before operating the unit, clean both the interior and exterior of the unit with a damp cloth and mild soap solution. Wipe with an appropriate disinfectant. Wipe dry with a clean cloth or air dry.

ELECTRICAL INFORMATION

The power specifications are located on the unit identification rating tag. This tag is permanently attached to the unit and must be located to verify power requirements.

Hazardous Voltage Present

P-2205

120 V.A.C. — 60 Hz, 1 ph
0.6 kW, 5.0 Amps
Safety Class I Equipment
No Applied Parts
Mode of Operation: Continuous

NEMA 5-15P
15A - 125V Plug
Hospital Grade

52MM
UL60601-1
IPX-0

P-2210

120 V.A.C. — 60 Hz, 1 ph
0.6 kW, 5.0 Amps
Safety Class I Equipment
No Applied Parts
Mode of Operation: Continuous

NEMA 5-15P
15A - 125V Plug
Hospital Grade

52MM
UL60601-1
IPX-0

P-2220

120 V.A.C. — 60 Hz, 1 ph
0.8 kW, 6.7 Amps
Safety Class I Equipment
No Applied Parts
Mode of Operation: Continuous

NEMA 5-15P
15A - 125V Plug
Hospital Grade

52MM
UL60601-1
IPX-0

P-2230

120 V.A.C. — 60 Hz, 1 ph
0.8 kW, 6.7 Amps
Safety Class I Equipment
No Applied Parts
Mode of Operation: Continuous

NEMA 5-15P
15A - 125V Plug
Hospital Grade

52MM
UL60601-1
IPX-0

P-2240

120 V.A.C. — 60 Hz, 1 ph
0.8 kW, 6.7 Amps
Safety Class I Equipment
No Applied Parts
Mode of Operation: Continuous

NEMA 5-15P
15A - 125V Plug
Hospital Grade

52MM
UL60601-1
IPX-0

Wire diagram is located under top lid of warmer.

Grounding reliability can only be achieved when equipment is connected to an equivalent receptacle marked “Hospital Grade.”

Protective Earth Ground Symbol

Medical Equipment classified by Underwriters Laboratories with Respect to Electrical Shock, Fire and Mechanical Hazards only, in Accordance with UL 60601-1 and CAN/CSA C22.2 No. 601.1.

UL File No. E201645

ELECTRICAL INFORMATION

⚠ DANGER

Ensure power source matches voltage identified on appliance rating tag. The rating tag provides essential technical information required for any appliance installation, maintenance or repairs. Do not remove, damage or modify the rating tag.

DANGER

TO PREVENT SERIOUS INJURY, DEATH, OR PROPERTY DAMAGE:

DO NOT use this warming appliance in the presence of flammable anesthetic mixtures (with air or with oxygen or nitrous oxide).

(Not category AP or APG equipment)

GENERAL INFORMATION

Specifications:

- Single-chamber warming cabinet.
- White epoxy-coated steel exterior casing and interior insert.
- Single pane, energy-efficient, e-coated glass window in door allows for inventory observation.
- Easy push-button door for hands-free operation.
- Door is fully gasketed and hinged on the right side of the unit.
- WarmSafe™ incorporates a multiple zone warming technology *(Patent No: US 8,217,316; US 8,581,152)* that heats where and when it is needed. All chamber surface temperatures are monitored, providing an efficient balance of heat, low-energy consumption and minimal heat loss.
- P-2220 & P-2240 include a heated center shelf to further optimize heat distribution throughout the cavity.
- Four (4) non-skid rubber feet are standard.

Control:

- Adjustable temperature range of 32° - 71°C (90° - 160°F)
- Operates in Celsius or Fahrenheit.
- Four digit L.E.D. display.
- On/off button.
- Up and down adjustment buttons.
- Actual temperature button.
- Interior light button.
- Built-in speaker for audible feedback.
- Integrated control lockout feature.

Clearance requirements:

3" (76mm) from rear
1" (25mm) from top and sides
3/4" (19mm) from bottom

Additional features:

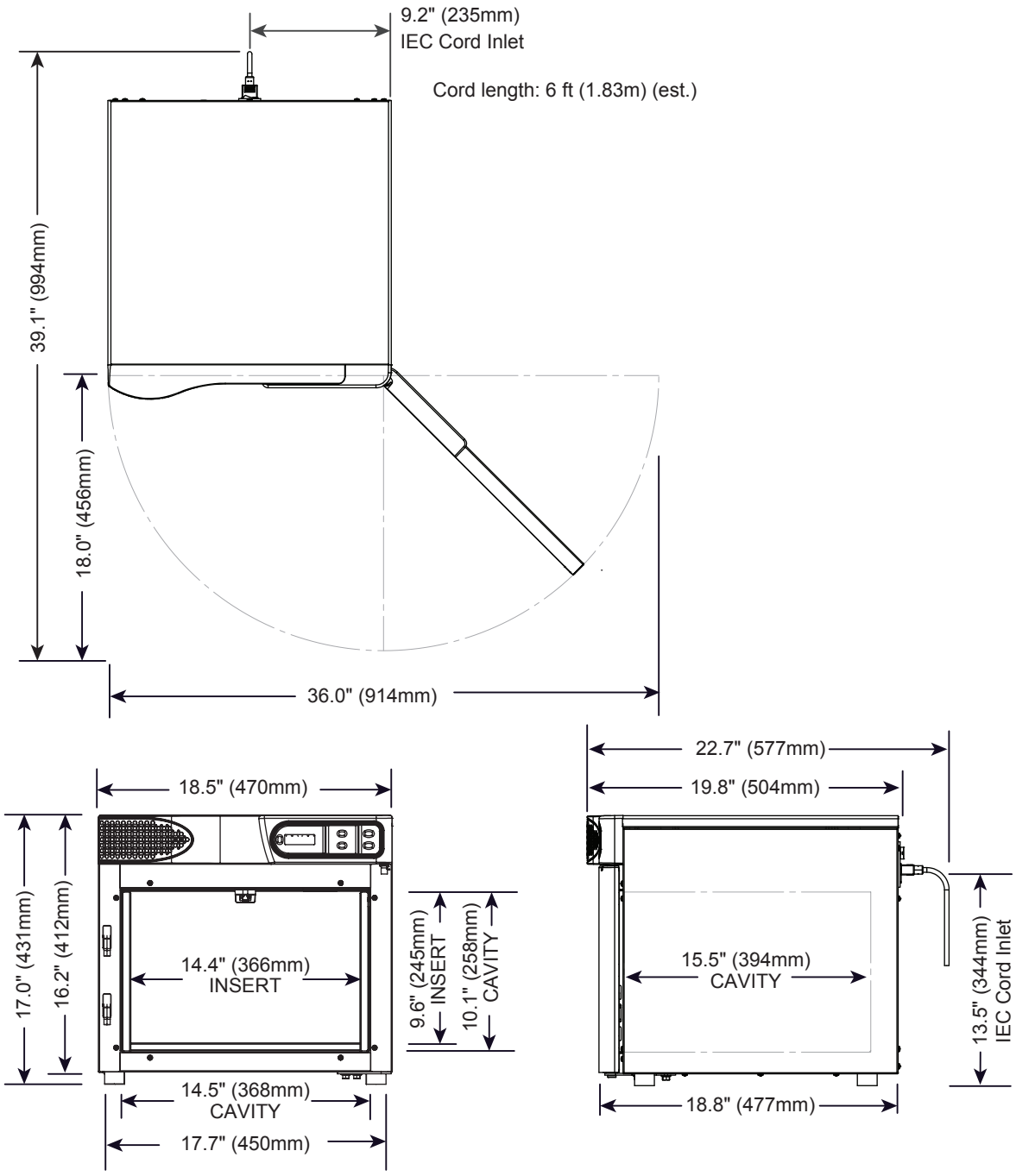
- L.E.D. interior lighting casts a comforting blue glow with two (2) different intensity settings and off mode.
- Safety: In the event of a power failure the cabinet will retain its programming and operates as previously set when power is restored.
- Safety: A warming shut-off system, separate from the electronic control, prevents overheating.
- Convenience: Access point and removable cover has been added to the back panel that allows the addition of data logging or temperature management hardware.
- Convenience: Stackable configurations are available for additional capacity or to pair with fluid warmers.

DIMENSIONS

P-2205

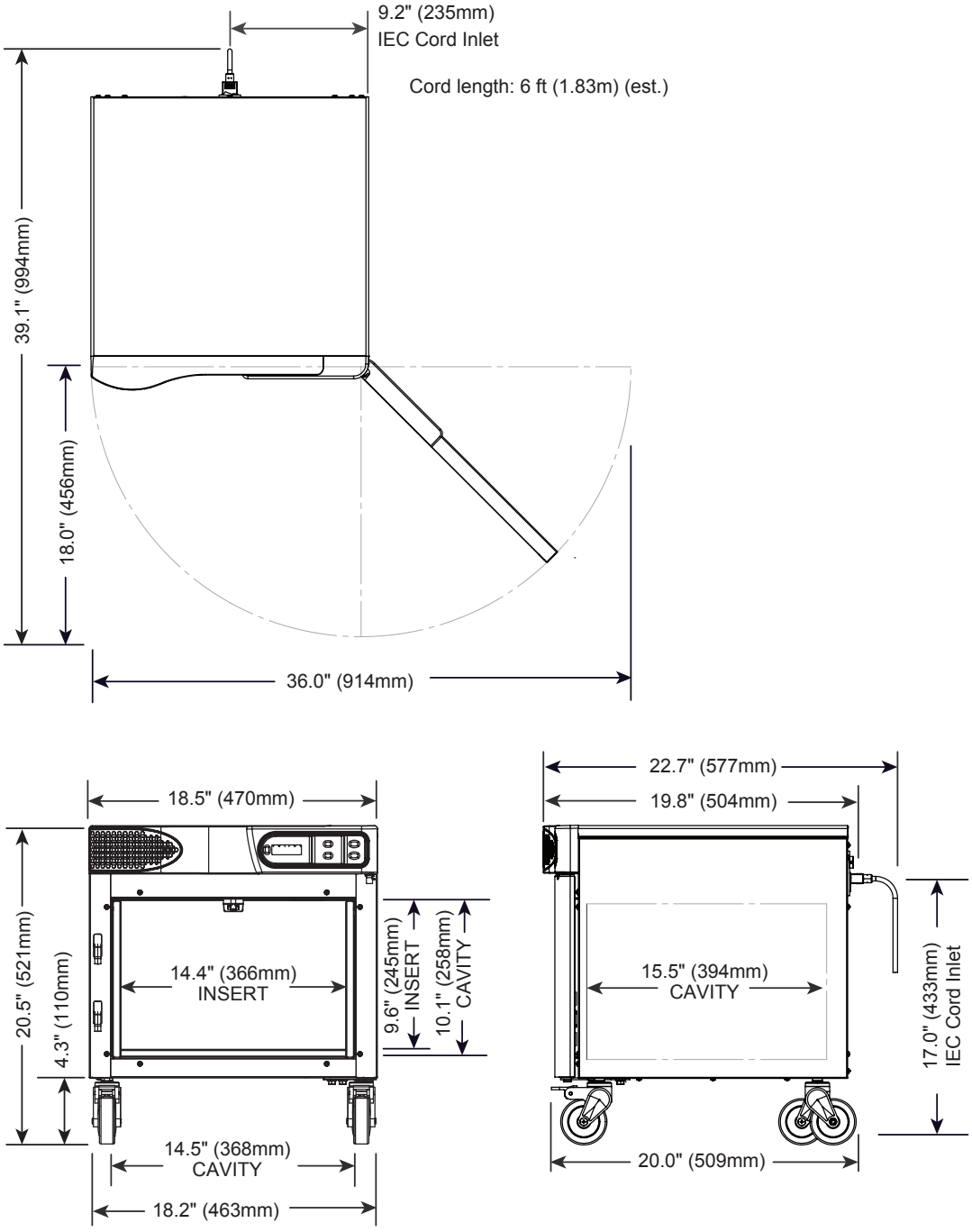
Dimensions (HxWxD)		
With feet (STANDARD):	17.0" x 18.5" x 22.7" (431mm x 470mm x 577mm)	
With casters (OPTIONAL):	20.5" x 18.5" x 22.7" (521mm x 470mm x 577mm)	
Capacity	1.5 ft³	
Weight** (est.)	NET 56 lbs (25 kg)	SHIP, CRATED 118 lbs (54 kg)

**Domestic ground shipping information. Contact factory for export weight and dimensions.



WITH STANDARD FEET

P-2205 (CONTINUED)



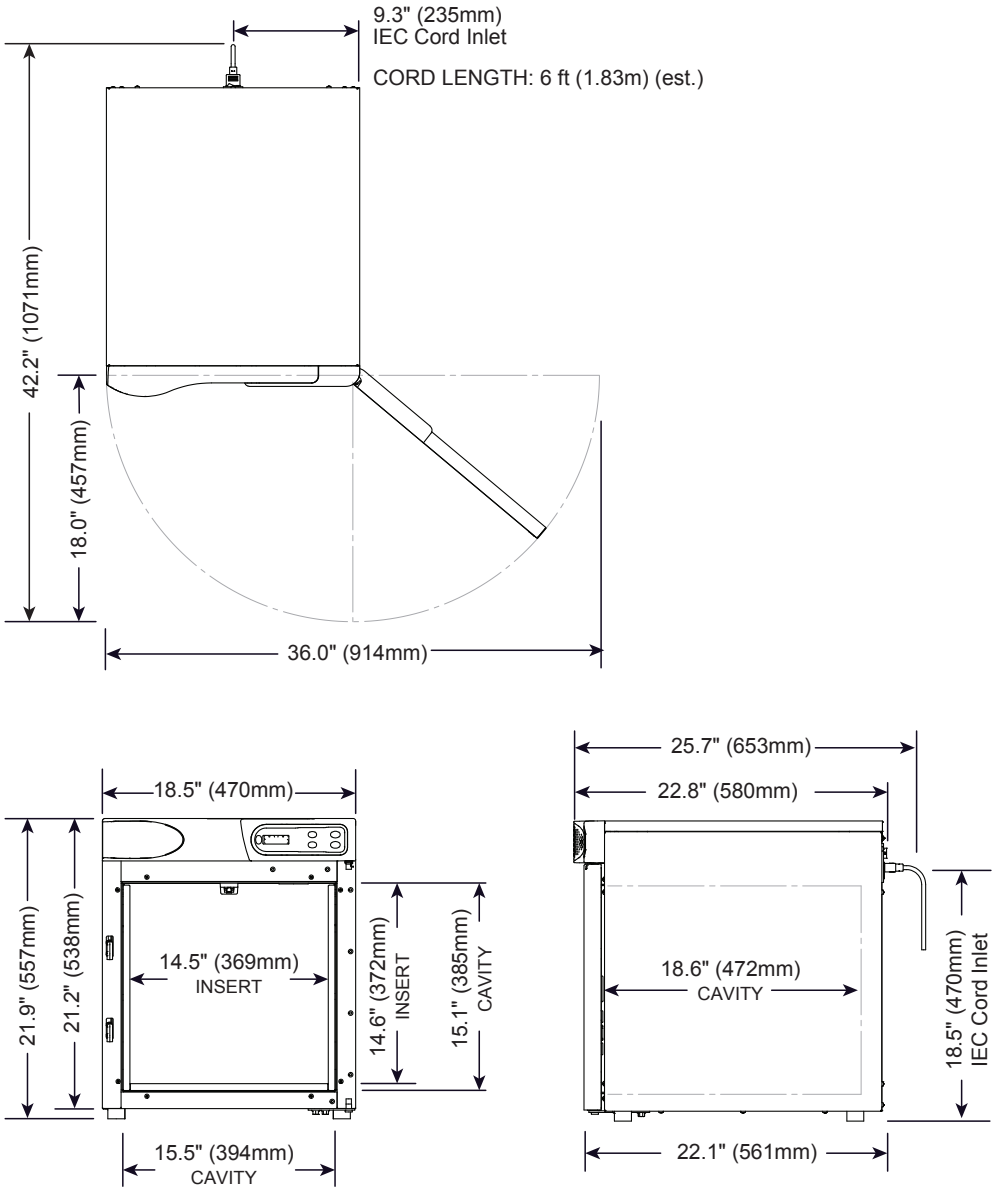
WITH OPTIONAL CASTERS

DIMENSIONS

P-2210

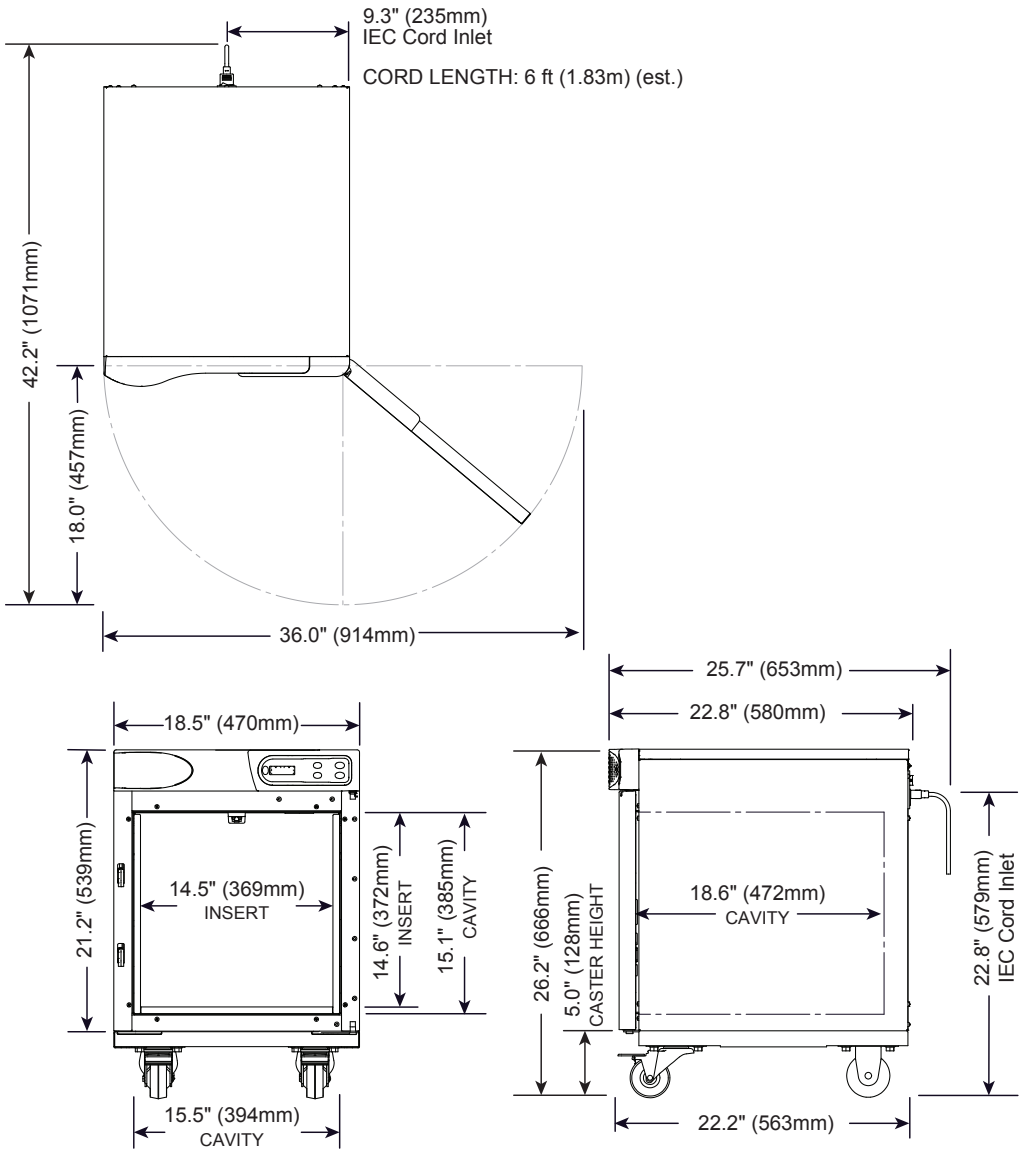
Dimensions (HxWxD)	
With feet (STANDARD):	21.9" x 18.5" x 25.7" (557mm x 470mm x 653mm)
With plate and casters (OPTIONAL):	26.2" x 18.5" x 25.7" (666mm x 470mm x 653mm)
With bumper and casters (OPTIONAL):	26.3" x 21.3" x 25.9" (667mm x 540mm x 657mm)
With casters (OPTIONAL):	25.5" x 18.5" x 25.7" (647mm x 470mm x 653mm)
Capacity	2.5 ft^3
Weight** (est.)	NET 67 lbs (30 kg) SHIP, CRATED 135 lbs (62 kg)

**Domestic ground shipping information. Contact factory for export weight and dimensions.



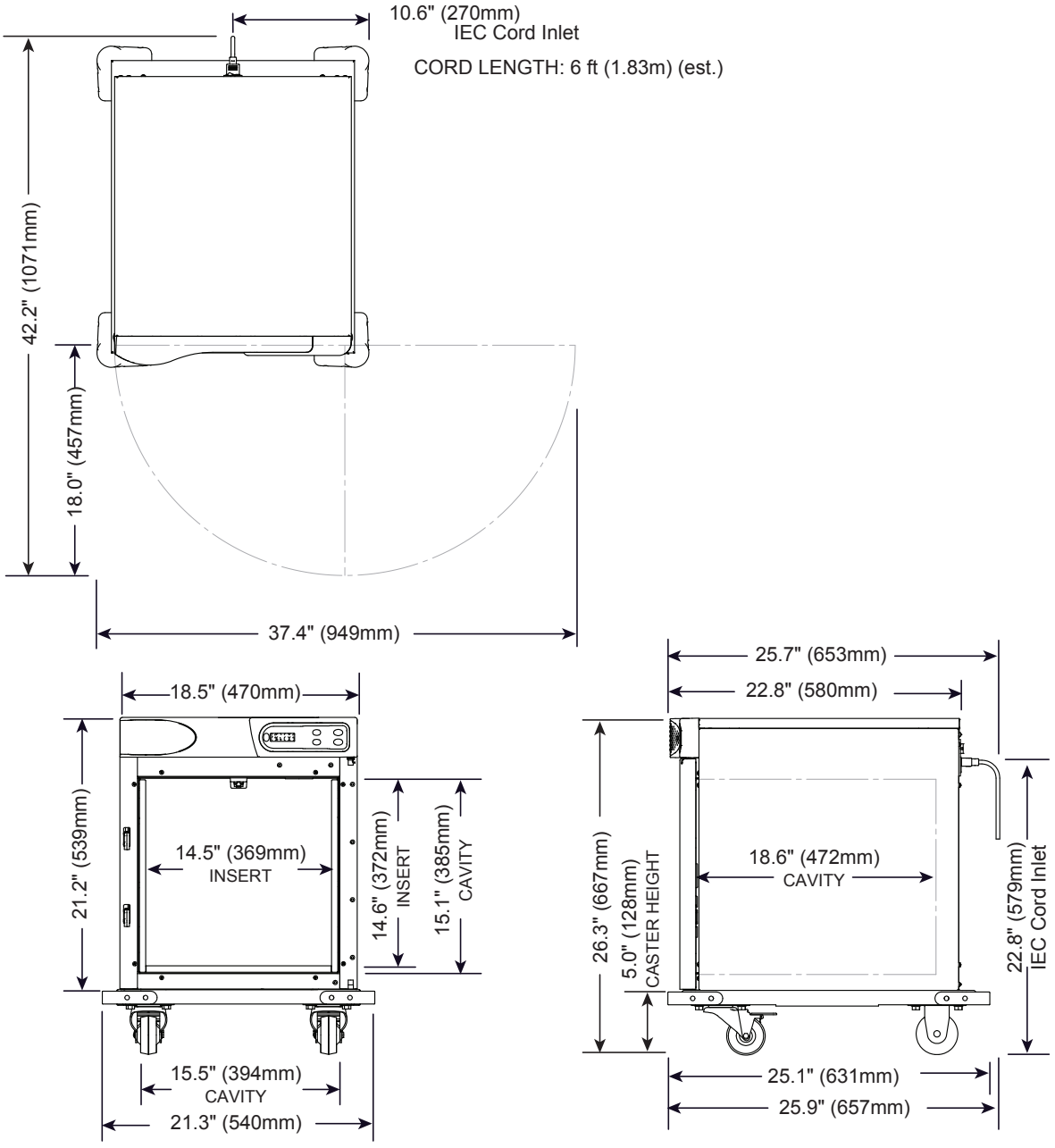
WITH STANDARD FEET

P-2210 (CONTINUED)



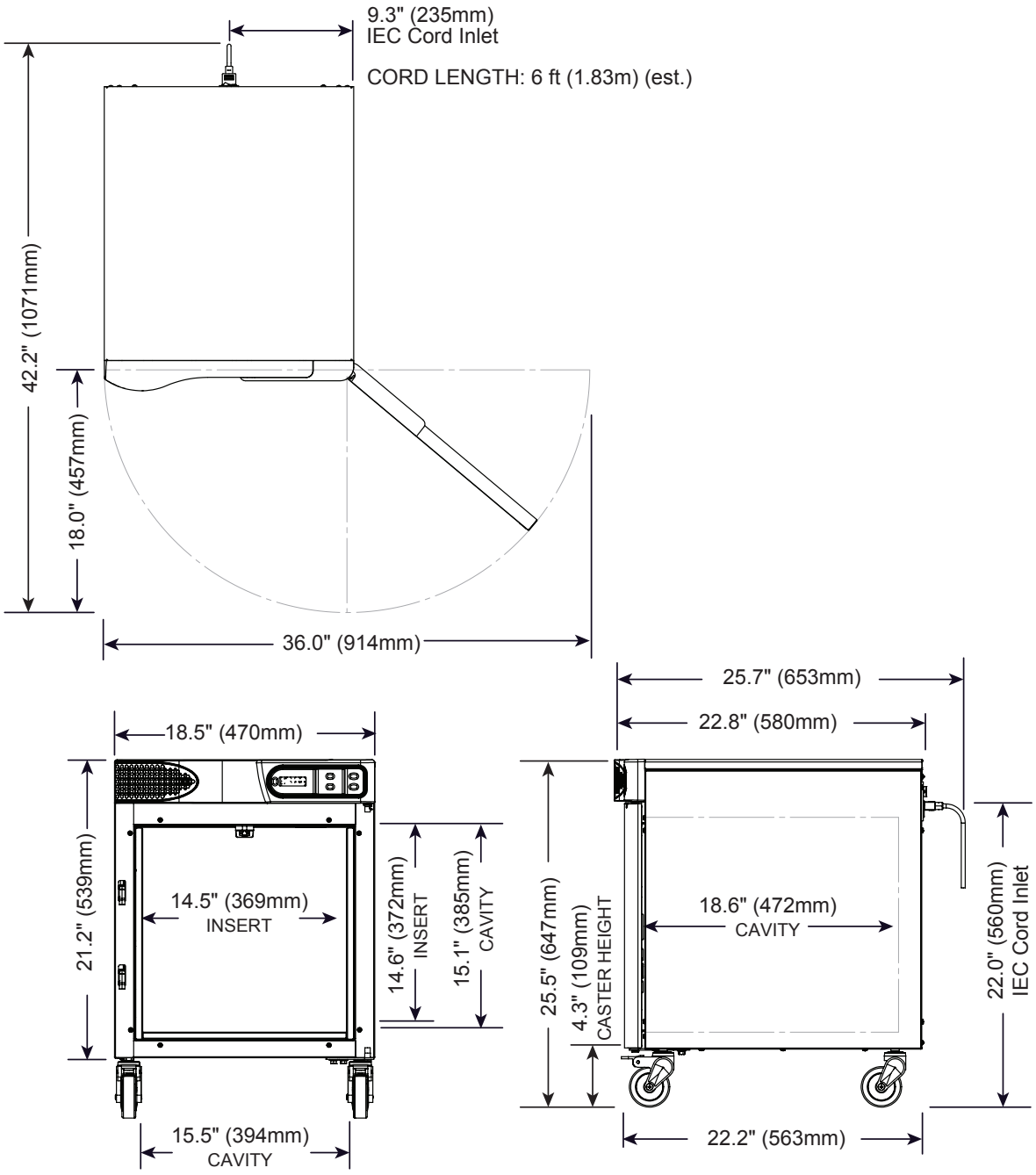
WITH OPTIONAL PLATE AND CASTERS

P-2210 (CONTINUED)



WITH OPTIONAL BUMPERS AND CASTERS

P-2210 (CONTINUED)



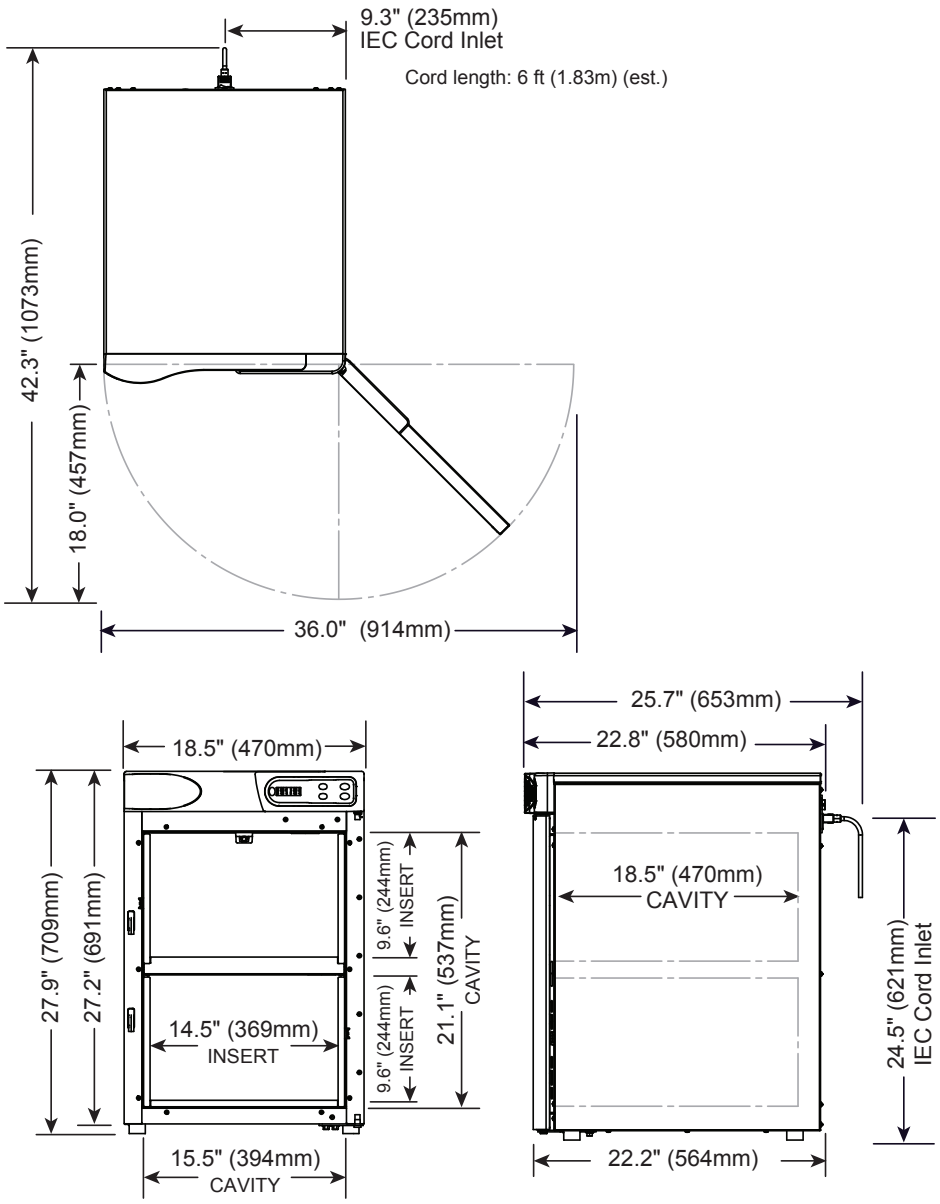
WITH OPTIONAL CASTERS

DIMENSIONS

P-2220

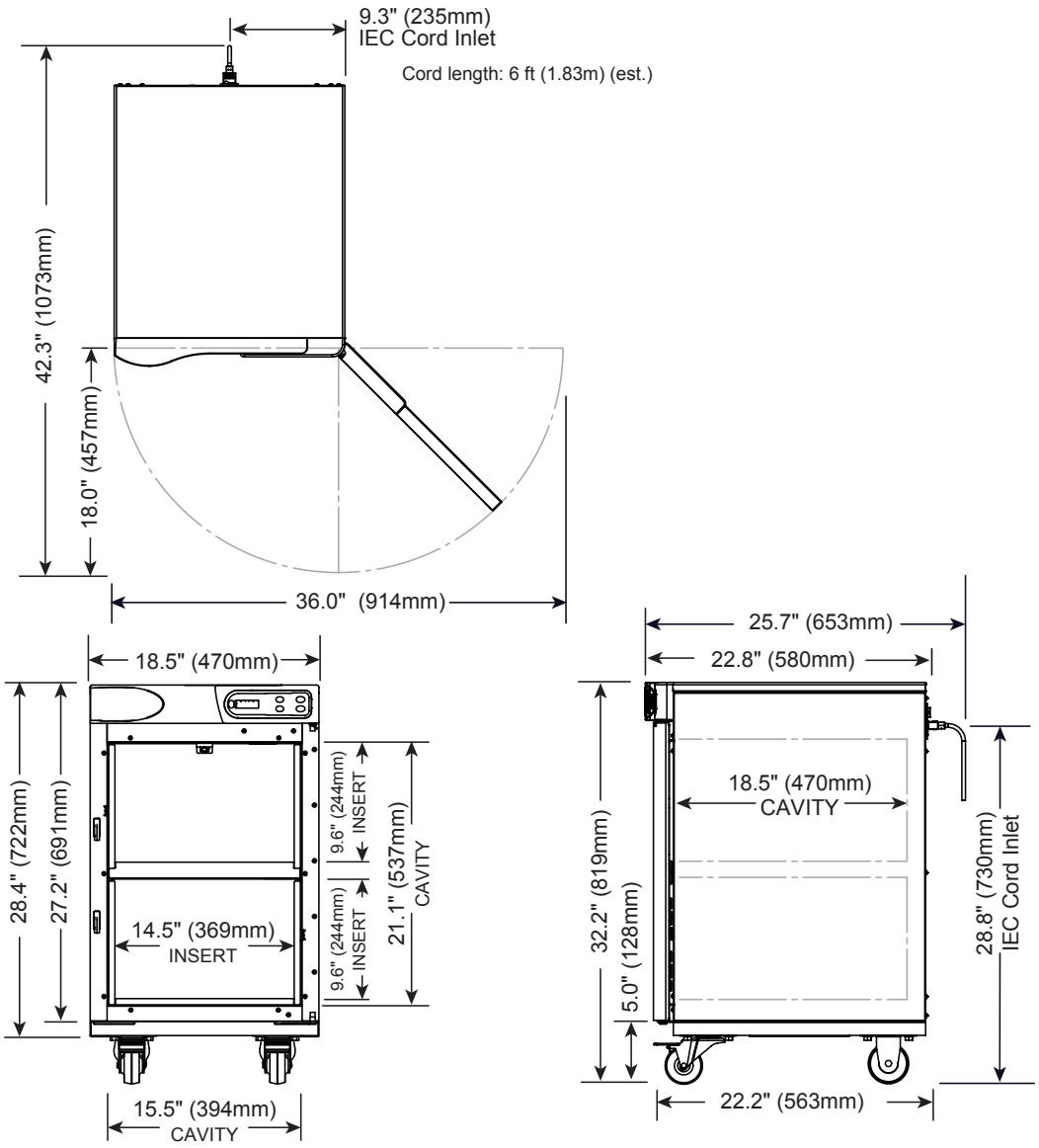
Dimensions (HxWxD)		
With feet (STANDARD):	27.9" x 18.5" x 25.7" (709mm x 470mm x 653mm)	
With plate and casters (OPTIONAL):	32.2" x 18.5" x 25.7" (819mm x 470mm x 653mm)	
With bumper and casters (OPTIONAL):	32.2" x 21.3" x 25.9" (819mm x 540mm x 657mm)	
With casters (OPTIONAL):	31.5" x 18.5" x 25.7" (799mm x 470mm x 653mm)	
Capacity	3.5 ft^3	
Weight** (est.)	NET 91 lbs (41 kg)	SHIP, CRATED 143 lbs (65 kg)

**Domestic ground shipping information. Contact factory for export weight and dimensions.



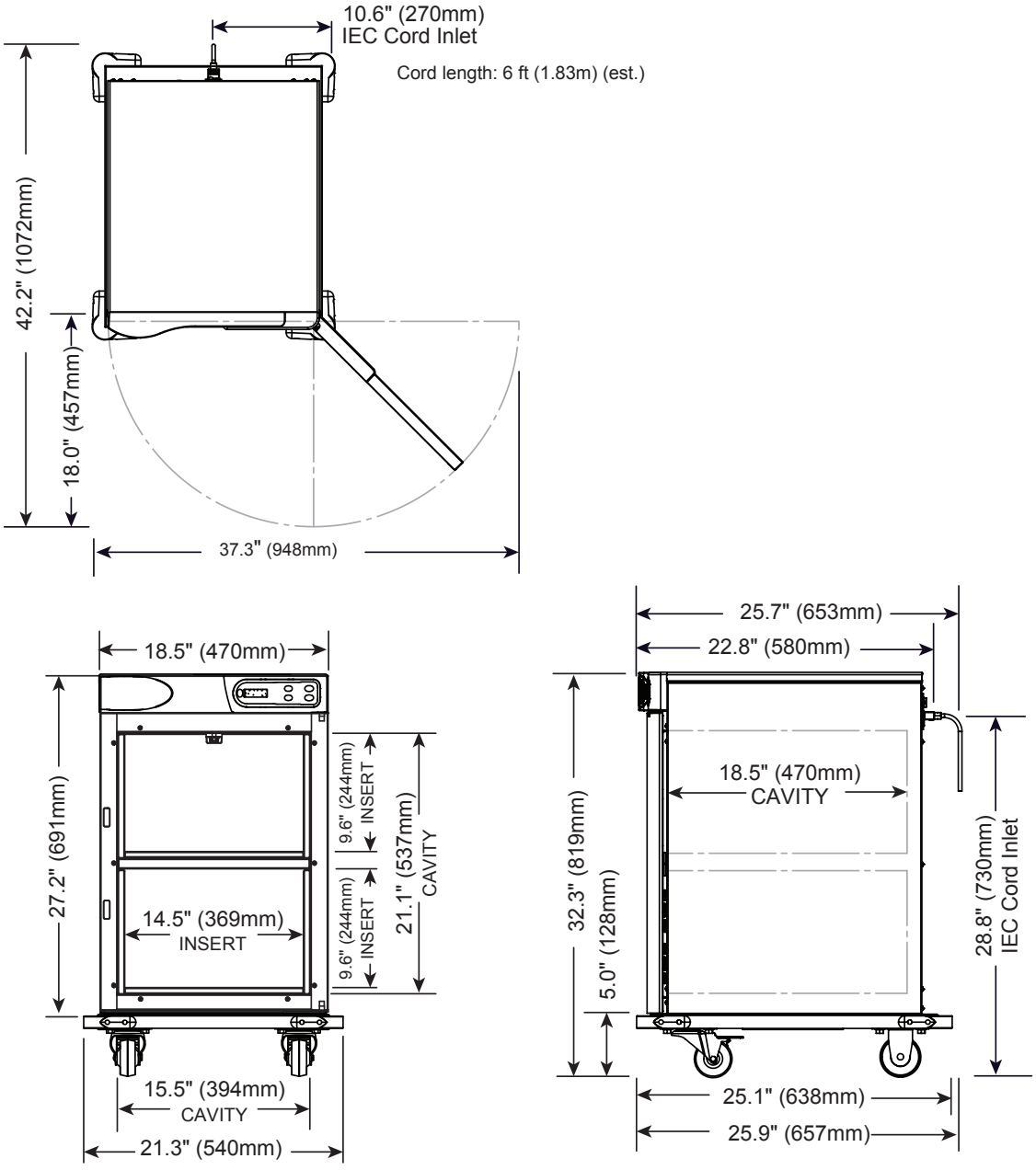
WITH STANDARD FEET

P-2220 (CONTINUED)



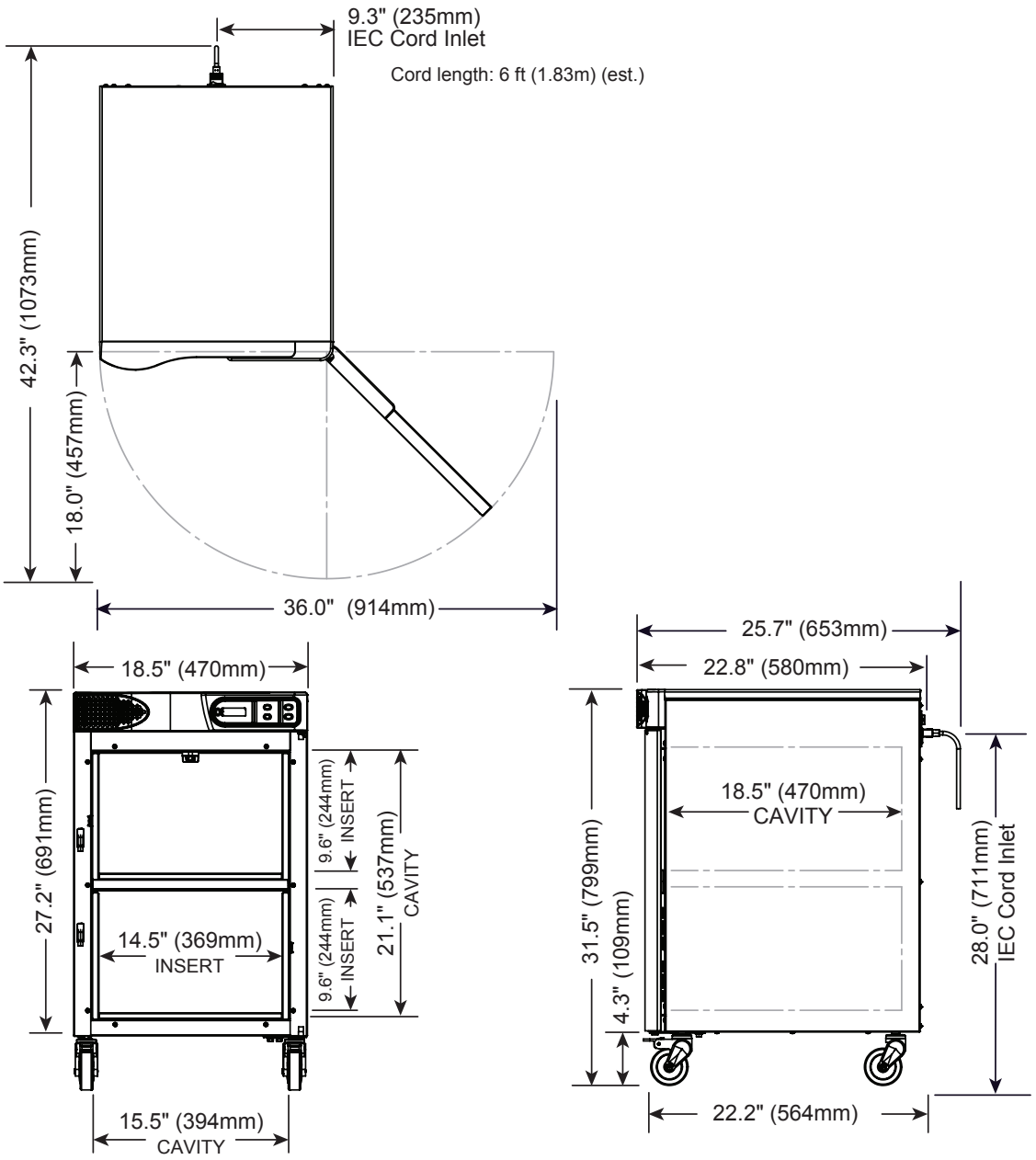
WITH OPTIONAL PLATE AND CASTERS

P-2220 (CONTINUED)



WITH OPTIONAL BUMPERS AND CASTERS

P-2220 (CONTINUED)



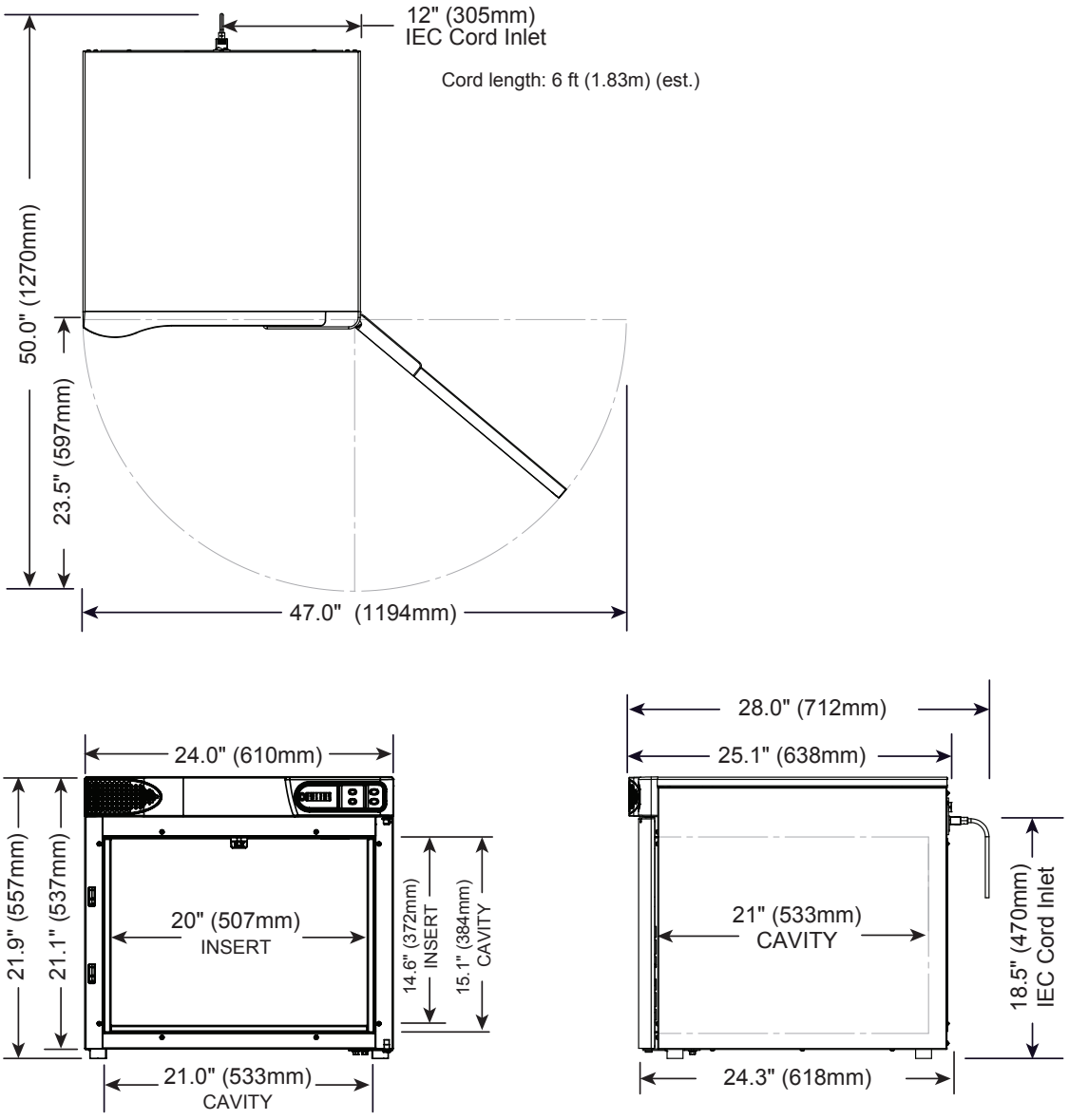
WITH OPTIONAL CASTERS

DIMENSIONS

P-2230

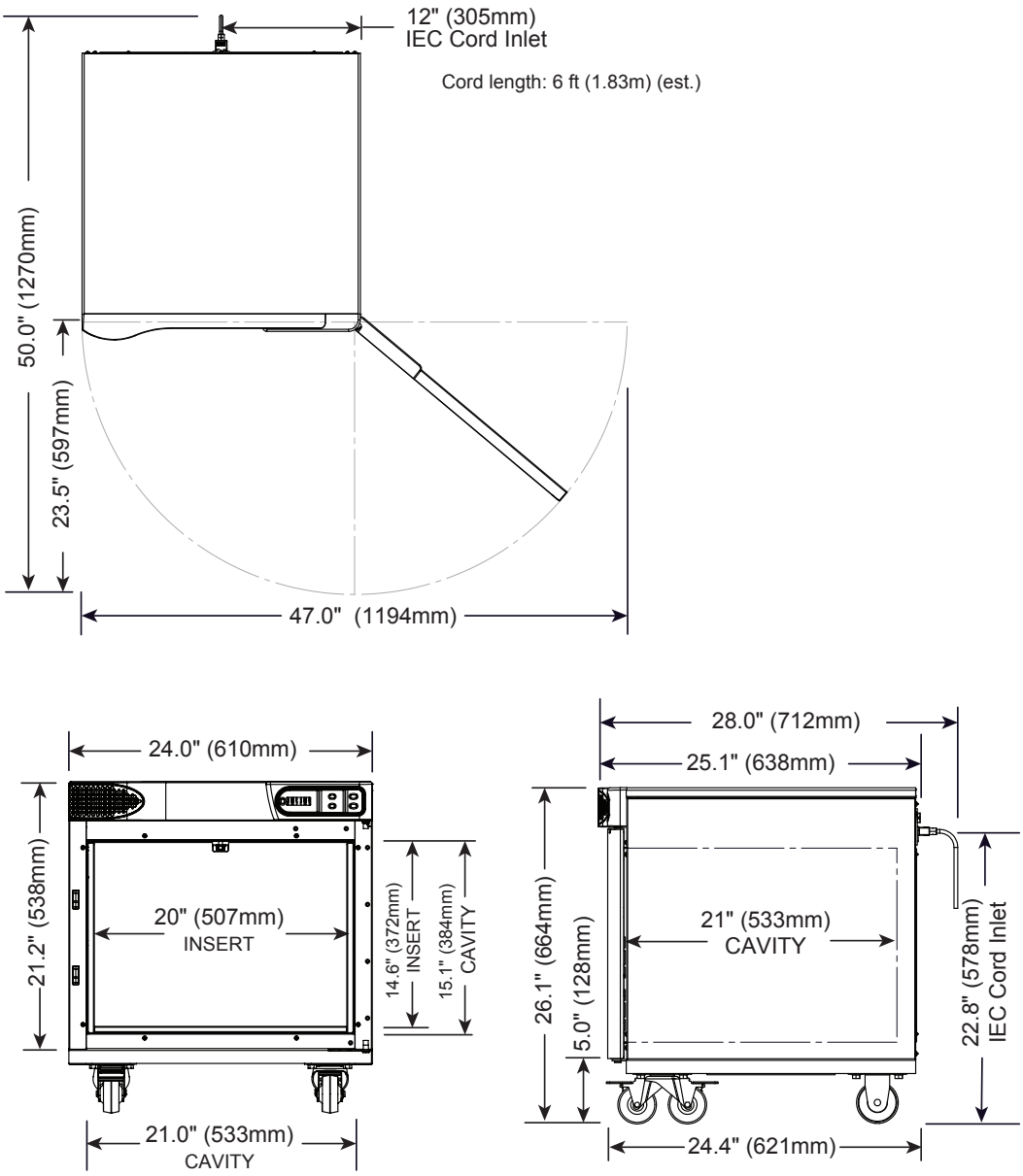
Dimensions (HxWxD)	
With feet (STANDARD):	21.9" x 24" x 28" (557mm x 610mm x 712mm)
With plate and casters (OPTIONAL):	26.1" x 24" x 28" (664mm x 610mm x 712mm)
With bumper and casters (OPTIONAL):	26.2" x 26.8" x 28.9" (665mm x 679mm x 734mm)
With casters (OPTIONAL):	25.5" x 24" x 28" (647mm x 610mm x 712mm)
Capacity	4.0 ft^3
Weight** (est.)	NET 85-1/2 lbs (39 kg) SHIP, CRATED 165 lbs (75 kg)

**Domestic ground shipping information. Contact factory for export weight and dimensions.



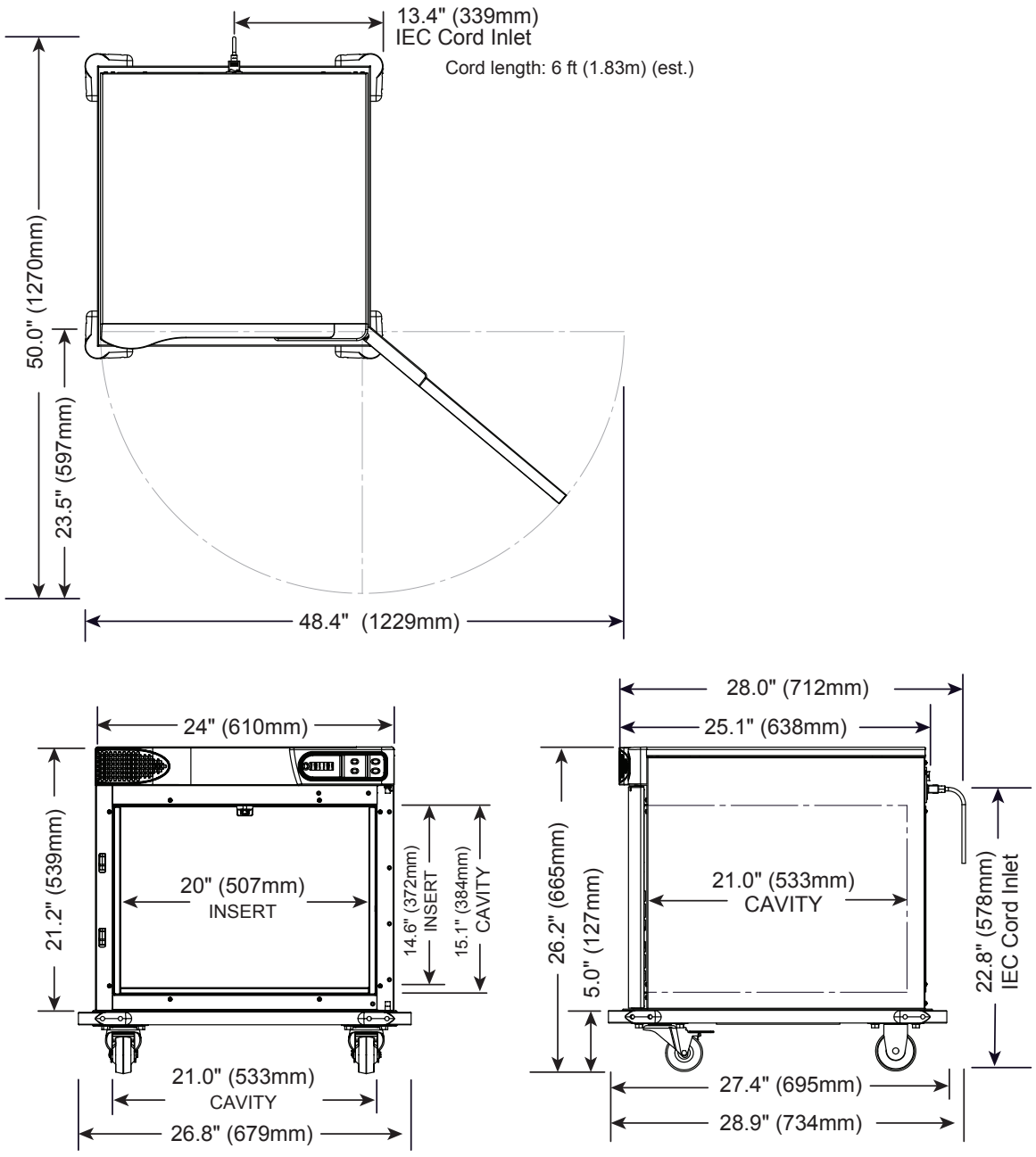
WITH STANDARD FEET

P-2230 (CONTINUED)



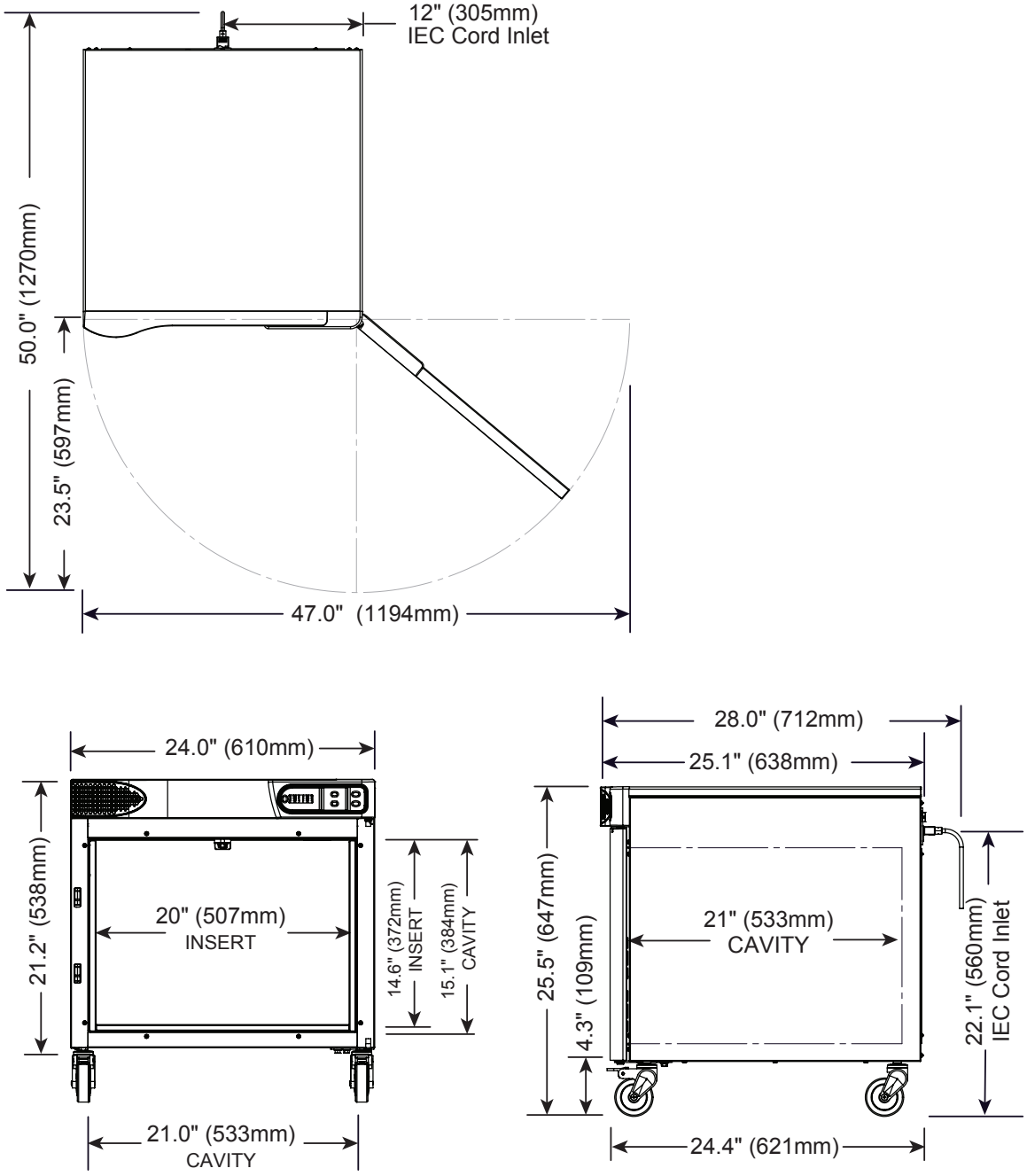
WITH OPTIONAL PLATE AND CASTERS

P-2230 (CONTINUED)



WITH OPTIONAL BUMPERS AND CASTERS

P-2230 (CONTINUED)



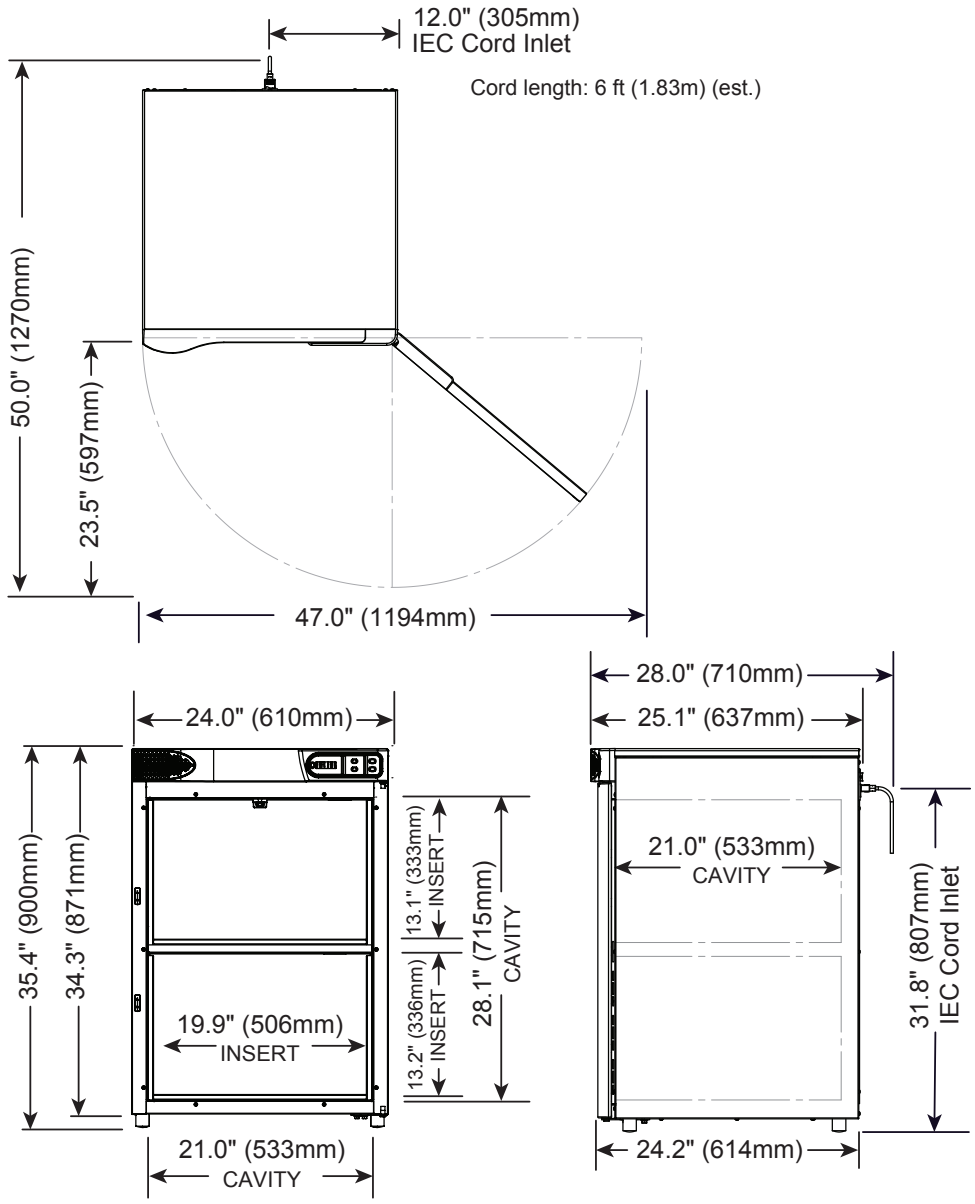
WITH OPTIONAL CASTERS

DIMENSIONS

P-2240

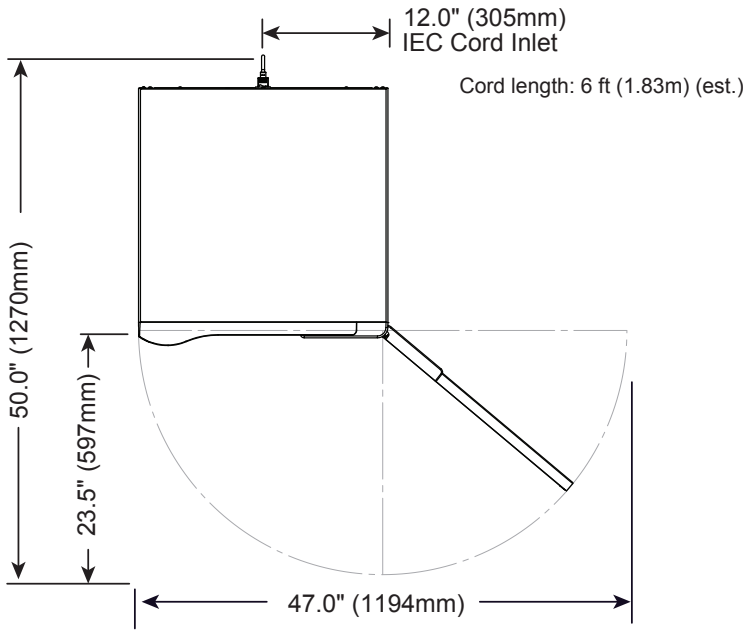
Dimensions (HxWxD)		
With feet (STANDARD):	35.4" x 24.0" x 28.0" (900mm x 610mm x 710mm)	
With plate and casters (OPTIONAL):	39.3" x 24.0" x 28.0" (997mm x 610mm x 710mm)	
With bumper and casters (OPTIONAL):	39.3" x 26.8" x 28.0" (997mm x 679mm x 710mm)	
With casters (OPTIONAL):	40.7" x 24.0" x 28.0" (1033mm x 610mm x 710mm)	
Capacity	7.5 ft³	
Weight** (est.)	NET 134 lbs (61 kg)	SHIP, CRATED 219 lbs (99 kg)

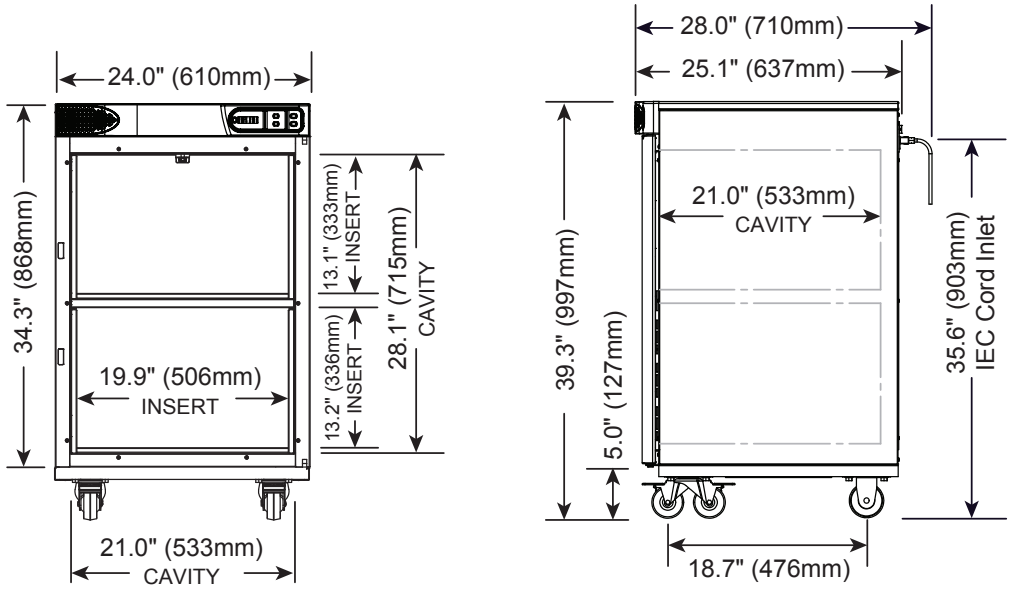
**Domestic ground shipping information. Contact factory for export weight and dimensions.



WITH STANDARD FEET

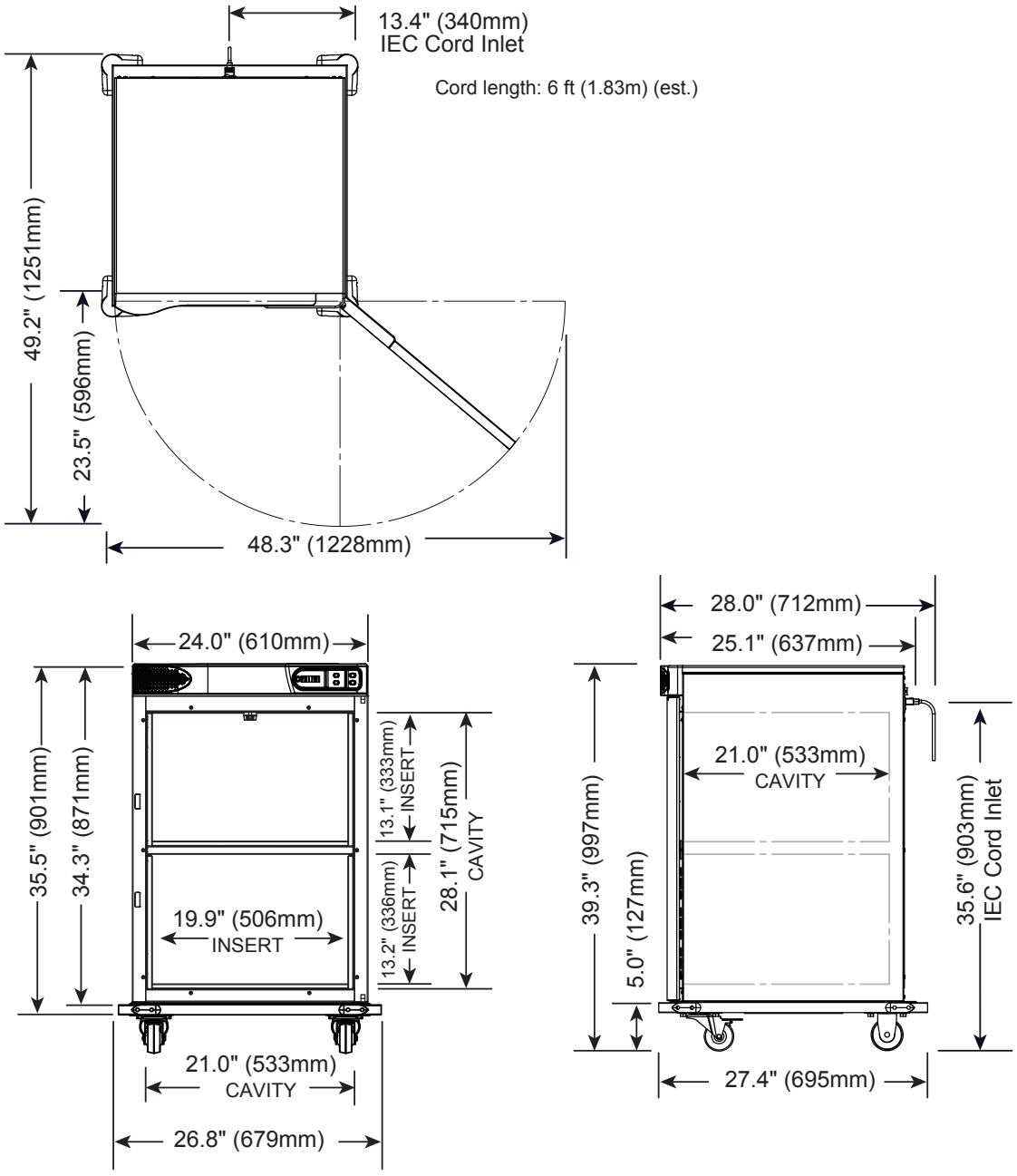
P-2240 (CONTINUED)





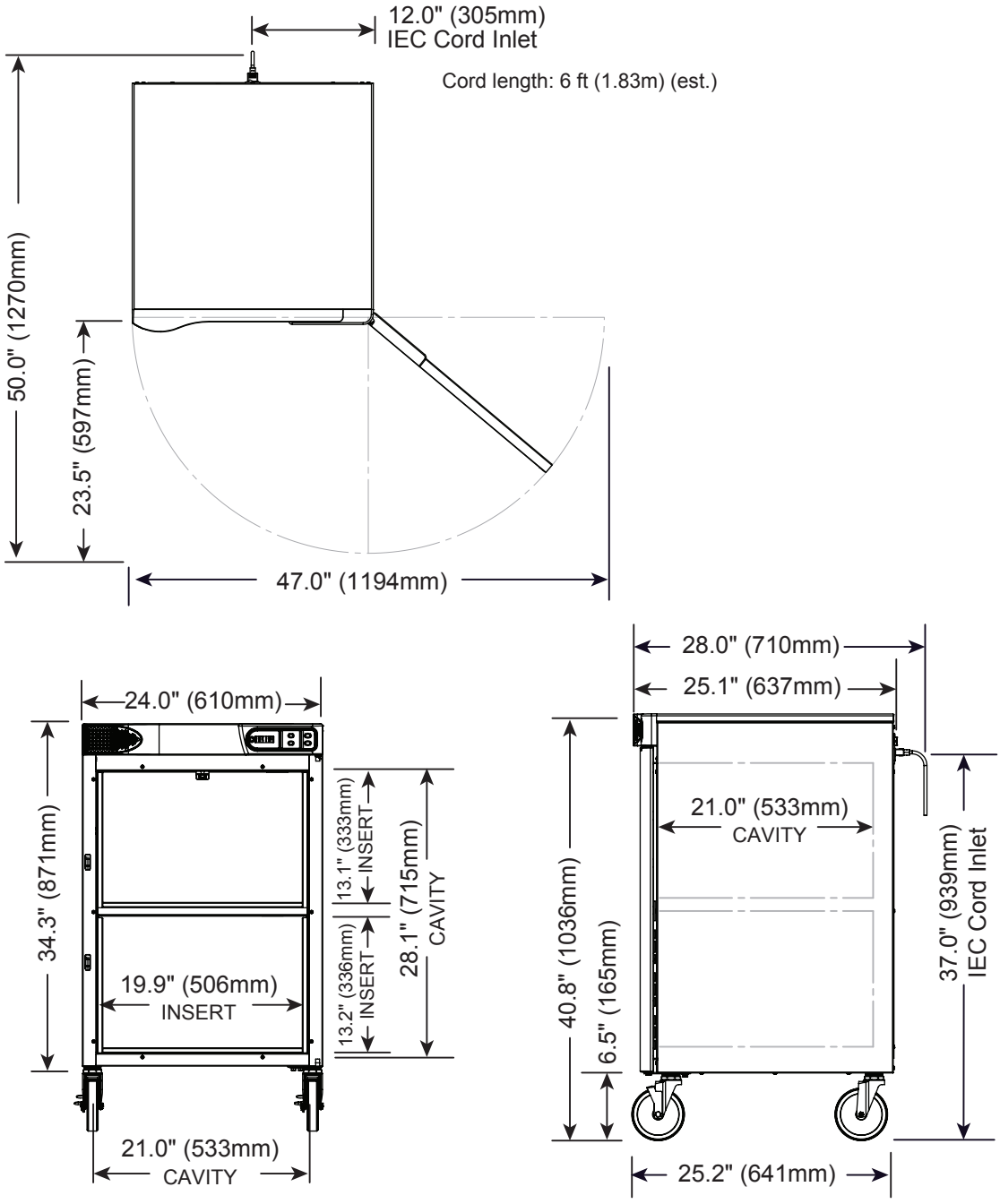
WITH OPTIONAL PLATE AND CASTERS

P-2240 (CONTINUED)



WITH OPTIONAL BUMPERS AND CASTERS

P-2240 (CONTINUED)



WITH OPTIONAL CASTERS

⚠ WARNING

The unit requires special precautions regarding EMC (Electromagnetic Compatibility) and needs to be installed and put into service according to the EMC information provided in the accompanying documents.

Portable and mobile RF communications equipment can affect medical electrical equipment.

A risk of increased emissions or decreased immunity may result if the power cord attached is altered or a manufacturer supplied power cable is not used.

The unit should not be used adjacent to or stacked with other equipment.

Observe to verify normal operation if it is necessary to use adjacent to or stacked with other equipment.

Guidance and manufacturer's declaration – electromagnetic emissions

The units are intended for use in the electromagnetic environment specified below. The customer or the end user of this unit should assure that it is used in such an environment.

Emissions test	Compliance	Electromagnetic environment - guidance
RF emissions CISPR 11	Group 1	The unit uses RF energy only for internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The unit is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations/Flicker emissions IEC 61000-3-3	Complies	

Guidance and manufacturer's declaration – electromagnetic immunity

The unit is intended for use in the electromagnetic environment specified below. The customer or the end user of this unit should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Electromagnetic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV for input/output lines	+2 kV for power supply lines	Main power quality should be that of a typical commercial or hospital environment. The unit does not have any input/output lines.
Surge IEC 61000-4-5	±1 kV differential mode ±2 kV common mode	±1 kV differential mode ±2 kV common mode	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5 % UT (>95 % dip in UT) for 0.5 cycle 40 % UT (60 % dip in UT) for 5 cycles 70 % UT (30 % dip in UT) for 25 cycles <5 % UT (>95 % dip in UT) for 5 sec	<5 % UT (>95 % dip in UT) for 0.5 cycle 40 % UT (60 % dip in UT) for 5 cycles 70 % UT (30 % dip in UT) for 25 cycles <5 % UT (>95 % dip in UT) for 5 sec	Mains power quality should be that of a typical commercial or hospital environment. If the user of the unit requires continued operation during power mains interruptions, it is recommended that the unit be powered from an uninterrupted power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

NOTE UT is the a.c. mains voltage prior to application of the test level.

The essential performance of the unit is to not exceed an internal temperature of 180° F / 82°C (+10%) for blanket warmers or 150° F / 66°C (+10%) for fluid warmers.

Guidance and manufacturer's declaration - electromagnetic emissions

The unit is intended for use in the electromagnetic environment specified below. The customer or the end user of this unit should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
			Portable and mobile RF communications equipment should be used no closer to any part of the unit, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. **Recommended separation distance**
Conducted RF IEC 61000-4-6	3 V/m 150 kHz to 80 MHz	3 V/m	d = [3.5/3] √P
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	d = [3.5/3] √P 80 MHz to 800 MHz d = [7/3] √P 800 MHz to 2.5 GHz where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey,[a] should be less than the compliance level in each frequency range.[b] Interference may occur in the vicinity of equipment marked with the following symbol:

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

[a] Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the unit is used exceeds the applicable RF compliance level above, the unit should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the unit.

[b] Over the frequency range 150 kHz to 80 MHz, field strengths should be less than [VI] V/m.

Guidance and manufacturer's declaration – electromagnetic immunity recommended separation distance between portable and mobile RF communications equipment and this unit.

The unit is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the unit can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the unit as recommended below, according to the maximum output power of the communications equipment.

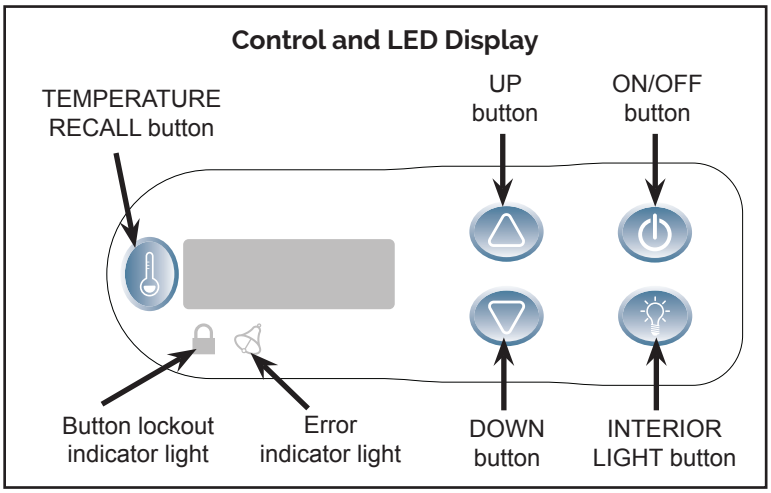
Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d = \left[\frac{3.5}{3}\right]\sqrt{P}$	80 MHz to 800 MHz $d = \left[\frac{3.5}{3}\right]\sqrt{P}$	800 MHz to 2.5 GHz $d = \left[\frac{7}{3}\right]\sqrt{P}$
0.01	0.117	0.117	0.233
0.1	0.369	0.369	0.738
1	1.167	1.167	2.333
10	3.689	3.689	7.379
100	11.667	11.667	23.333

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

BLANKET CONTROL FEATURES



Temperature Range:
32°-72° C (90°-160°F)

CONTROL PANEL BUTTONS

ON/OFF BUTTON

Press the ON/OFF button to power on the control. Press and hold the ON/OFF button for three (3) seconds to power off the control.

INTERIOR LIGHT BUTTON

Press INTERIOR LIGHT button to toggle blue interior LED light intensity to high, low, or off.

UP AND DOWN ARROW BUTTONS

Used to increase or decrease the temperature set-point. On units with optional timer installed the arrow buttons are used to increase or decrease time, date, auto-start, and auto-stop times.

TEMPERATURE RECALL BUTTON

Press the TEMPERATURE RECALL button to view the actual temperature captured with the cavity sensor. The display will show the actual cavity temperature for five (5) seconds before reverting back to displaying the current temperature set-point.

L.E.D. DIGITAL DISPLAY

The control has a four-digit L.E.D. display.

AUDIBLE BUTTON FUNCTION

The warmer's audible button function can be turned ON or OFF.

1. While the warmer is OFF, press and hold the DOWN ARROW button for four (4) seconds.
2. The display will show the current audible button status, 0 (OFF) or 1(ON). Press the UP or DOWN arrows to toggle between the two states.

L.E.D. DISPLAY STATUS INDICATORS

ERROR INDICATOR LIGHT

This indicator will illuminate and an alarm will sound if the control senses an error has occurred (see trouble shooting guide). The alarm can be muted by pressing the ON/OFF button.

ERROR ACKNOWLEDGEMENT

To clear or acknowledge an error, press the ON/OFF button. Press the ON/OFF button to acknowledge the periodic alarm. If the alarm continues or returns, the warmer is still experiencing an error and may need service.

BUTTON LOCKOUT INDICATOR LIGHT

The lock indicator light will illuminate when the control lock feature is engaged. Press the ON/OFF button and UP ARROW simultaneously to lock the control. Press the ON/OFF button and DOWN ARROW button simultaneously to unlock the control.

POWER FAIL DETECTION

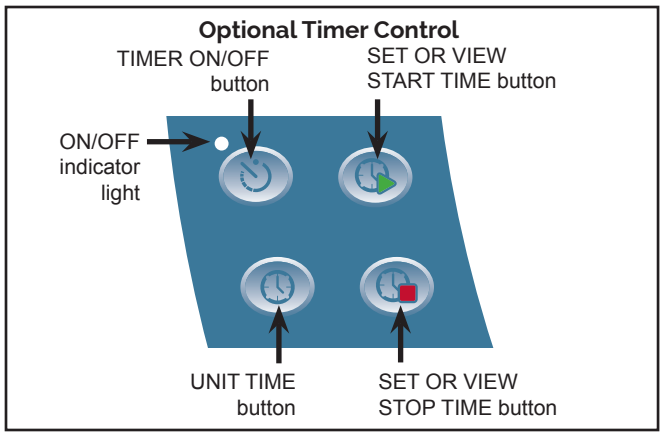
If the power fails for any reason while heating, the warmer will retain its current operating state in memory. The control will resume operating after the power is restored. In order to alert the user that the power has failed, the decimal place on the first digit will flash. Press the ON/OFF button to acknowledge the power failure and restoration.

NOTE: If the timer option is installed, the warmer must be off for more than 60 seconds to signal a power failure alarm. When acknowledging a power interruption, the display will show the length of time in hours and minutes that the control has been off due to the power outage.

TEMPERATURE FORMAT SELECTION

While the controller is in OFF state, press and hold the TEMPERATURE RECALL button for four (4) seconds to display the current temperature scale. Press either the UP or DOWN arrows to toggle between Fahrenheit and Celsius.

OPTIONAL FEATURE – TIMER CONTROL



NOTE: If your warmer is not equipped with this optional automated timer feature or you choose not to use it, you do not need to set the time and this section can be skipped.

Unit time must be manually reset for daylight saving time.

Times are always displayed in 24-hour format (HH:MM). Midnight is 00:00. Noon is 12:00. 1:00 p.m. is 13:00.

If the display has changed due to user interaction, it will reset after five (5) seconds of inactivity.

If the start and stop times are the same, the warmer will recognize the OFF time only and the warmer will not turn on without user intervention. This is the best way to set the warmer for the days when it is not needed.

TIMER CONTROL PANEL

Blanket warmers with this option have four (4) timer buttons:

TIMER ON/OFF BUTTON

Press the TIMER ON/OFF button to initiate automatic start/stop operation mode. The ON/OFF indicator light next to this button will illuminate when mode is turned on.

UNIT TIME BUTTON

Press to view current time, date, and day and initiate changes to settings.

SET OR VIEW START TIME BUTTON

Press to view current automatic start time and initiate changes to set time.

SET OR VIEW STOP TIME BUTTON

Press to view current automatic stop time and initiate changes to set time.

RESET UNIT TIME BUTTON

Timer option must be OFF to reset the unit time.

NOTE: "E-60" is displayed if the clock is not set or the control has been off too long and the memory has corrupted.

1. If "E-60" is displayed on the screen, press either the UNIT TIME button or the ON/OFF button to acknowledge error.
2. Press and hold the UNIT TIME button for four (4) seconds until the auto-timer ON/OFF indicator light flashes slowly and the display shows the current set time. Press the UP or DOWN button to adjust the time by minute or press and hold the UP or DOWN button to adjust time more quickly.
3. Press the UNIT TIME button again to view or set the year. Press the UP or DOWN button to adjust the year. The year will always adjust by one (1).
4. Press the UNIT TIME button again to set the date. Press the UP or DOWN button to adjust the date.
5. Press the UNIT TIME button again to set the day code (d1-d7). Press the UP or DOWN button to adjust the day code. This is an optional step unless you are going to configure the auto-timer to start and. or stop at a different time for each day of the week. Typically Monday=d1, Tuesday=d2, etc., but this is user configurable.

SAME START AND STOP TIMES FOR THE WEEK

Timer option must be OFF to set start time.

1. Press the START TIME button to view the start time for that day.
2. Press and hold the START TIME button for four (4) seconds to set the current day's start time as the same time for every day of the week. The ON/OFF indicator light will flash slowly.
3. Press the UP or DOWN button to change the default start time minutes. Press and hold the arrows to adjust by hours.
4. Press the STOP TIME button to view the stop time for that day.
5. Press and hold the STOP TIME button for four (4) seconds to set the current day's stop time as the same time for every day of the week. The ON/OFF indicator light will flash slowly.
6. Press UP or DOWN button to change stop time. Press and hold the arrow to adjust by hours.
7. When both times are set, allow the ON/OFF indicator light to extinguish and then press and hold the Timer ON/OFF button until the ON/OFF indicator light stays on steadily.

Caution: Activating this mode overrides all individual day programming.

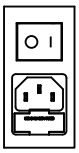
DIFFERENT START AND STOP TIMES FOR EACH DAY OF THE WEEK

Press and hold the UNIT TIME button for eight (8) seconds. The ON/OFF indicator light will flash rapidly. The display will show the current day. Adjust the day by pressing the UP or DOWN button.

1. Press the START TIME or STOP TIME button to display the start or stop times for that day. Press the UP or DOWN arrow button to adjust the automatic start and stop times.
2. Press the UNIT TIME button again to display the day. Repeat steps 1-2 for each day of the week.
3. When all days and times are set, allow the ON/OFF indicator light to extinguish and then press and hold the Timer ON/OFF button until the ON/OFF indicator light stays on steadily.
4. The warmer will now turn on and off automatically at the times set for each day.

BLANKET CHAMBER OPERATION PROCEDURES

1. The appliance should be plugged into an appropriate hospital grade receptacle as specified on the electrical information page.
2. **TURN ON THE POWER SWITCH**, which is located at the back or side of the appliance just above power cord.



3. **ACTIVATE CONTROL BY PRESSING THE ON/OFF BUTTON ON CONTROL PANEL ONCE.**
4. **SET DESIRED TEMPERATURE.**
   To set the blanket warming temperature, press and hold the UP or DOWN button to change the value shown in the display. The temperature set-point range is 32 - 71°C (90 - 160°F).
5. **LOAD THE CHAMBER WITH DRY, COTTON BLANKETS. DO NOT WARM ITEMS CONTAINING PLASTIC, RUBBER OR METAL SNAPS, STUDS, HOOKS, ETC.** Check that the epoxy-coated blanket insert is in place. This blanket insert MUST be used to hold blankets. Make certain the cabinet door is securely closed during use.

6. **ROTATE LOAD OF BLANKETS DAILY.**
   Rotate the blankets at the bottom of the load to the top to ensure equal usage. Failure to rotate blankets can cause blankets to discolor.

Notice: **Avoid using flammable cabinet cleaning agents or blanket cleaning agents that may cause fabric to become brittle over time.**

WARNING

To prevent PERSONAL INJURY or PROPERTY DAMAGE:

Blanket support assembly and shelf must be in place when warming blankets to prevent scorching or discoloration.

NOTICE

To enable the warming appliance to function properly, DO NOT overload the interior.

Allow 1" (25mm) gap between blankets and interior of cavity and/or shelf.

CLEANING AND PREVENTIVE MAINTENANCE

PROTECTING STAINLESS STEEL, EPOXY COATED AND PLASTIC SURFACES

It is important to guard against corrosion in the care of stainless steel surfaces. Harsh, corrosive, or inappropriate chemicals can completely destroy the protective surface layer of stainless steel, epoxy or plastic. Abrasive pads, steel wool, or metal implements will abrade surfaces causing damage to this protective coating and will eventually result in areas of corrosion. Even water, particularly hard water that contains high to moderate concentrations of chloride, will cause oxidation and pitting that result in rust and corrosion. In addition, many acidic spills left to remain on metal surfaces are contributing factors that will corrode surfaces.

Proper cleaning agents, materials, and methods are vital to maintaining the appearance and life of this appliance. Spilled items should be removed and the area wiped as soon as possible but at the very least, a minimum of once per day. Always thoroughly rinse surfaces after using a cleaning agent and wipe standing water as quickly as possible after rinsing.

CLEANING AGENTS

Use non-abrasive cleaning products designed for use on stainless steel surfaces. Cleaning agents must be chloride-free compounds and must not contain quaternary salts. Never use hydrochloric acid (muriatic acid) on stainless steel surfaces. Failure to observe this will void the warranty. Always use the proper cleaning agent at the manufacturer's recommended strength. Contact your local cleaning supplier for product recommendations.

CLEANING MATERIALS

Cleaning can usually be accomplished with the proper cleaning agent and a soft, clean cloth. When more aggressive methods are needed, use a non-abrasive scouring pad on difficult areas and make certain to scrub with the visible grain of surface metal to avoid surface scratches. Never use wire brushes, metal scouring pads, or scrapers to remove residue. Failure to observe this will void the warranty.

CAUTION

To protect surfaces, completely avoid the use of abrasive cleaning compounds, chloride based cleaners, or cleaners containing quaternary salts. NEVER use hydrochloric acid (muriatic acid) on stainless steel. NEVER use wire brushes, metal scouring pads or scrapers.

PREVENTATIVE MAINTENANCE

Daily Checklist:

- ❑ Ensure that the correct operation and care manual is available to all users.
- ❑ Ensure that all people using this appliance have been properly trained in the operation and safety instructions.
- ❑ **DO NOT** overload cabinet.
  - **Blanket Warmer:** 1" (25mm) from top interior of unit and/or shelf
  - **Fluid Warmer:** See electrical/capacity page

Weekly Checklist:

- ❑ Inspect condition of plug and cord. Replace if damaged.
- ❑ Clean dust from under inserts, outer vents surrounding the unit and around top of bonnet (if applicable).
- ❑ Check insert assembly (depends on unit):
  - **Blanket Warmer:** Check the blanket support assembly and shelf. Is the assembly in place? Are any pieces missing?
  - **Fluid Warmer:** Check basket and side rail condition. Do baskets move smoothly and freely?
- ❑ Check that all control and interior LEDs light up.

Monthly Checklist:

- ❑ Check door gasket integrity. Are there any tears? Is the gasket worn or loose? Ensure seal is tight to unit body. Replace gasket if integrity is compromised.
- ❑ Check air temperature sensor mount on the interior of chamber. Is the guard in place and is it fully secured to the unit?
- ❑ Check condition of casters or feet. Ensure components are secure and tightly threaded.
- ❑ Check control panel overlay condition. Are there any tears or excessive wear on the graphic? Does the control work properly when buttons are pushed?
- ❑ Is the set temperature comparable to the actual temperature displayed? Check cavity air temperature with a quality thermocouple placed 1" (25mm) from the cavity sensor not allowing it to touch any surface. Monitor for approximately one hour in an empty cavity.

Contact service for immediate repair if any of the above problems exist.

CARE AND CLEANING

CLEAN THE UNIT REGULARLY:

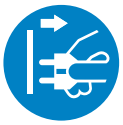
1. Disconnect the cabinet from the power source.
2. Remove all detachable items such as blanket insert. Clean these items separately.

NOTICE: Use non-abrasive cleaning products designed for use on stainless steel surfaces. Cleaning agents must be chloride-free compounds and must not contain quaternary salts. Never use hydrochloric acid (muriatic acid) on stainless steel surfaces. Failure to observe this will void the warranty.

3. Clean the interior metal surfaces of the cabinet with a damp cloth and any mild commercial detergent. Rinse surfaces by wiping with sponge and clean warm water. Remove excess water with sponge and wipe dry with a clean cloth or air dry. Leave doors open until interior is completely dry.
4. Interior can be wiped with a sanitizing solution after cleaning and rinsing. This solution must be approved for use on stainless steel surfaces. Replace blanket support assembly.
5. Wipe down the exterior of the cabinet with an appropriate cleaner recommended for the surface material.
6. Clean the window glass with a standard commercial glass cleaner.
7. Wipe control panel, door vents, door buttons, and door gaskets thoroughly since these areas can harbor debris.
8. Wipe dry with a clean, soft cloth.

ALWAYS follow appropriate state or local health (hygiene) regulations regarding all applicable cleaning and sanitation requirements.

WARNING



To prevent SERIOUS INJURY, DEATH, OR PROPERTY DAMAGE, ALWAYS disconnect unit from power source before cleaning or servicing.

DANGER

To prevent SERIOUS PERSONAL INJURY, DEATH, or PROPERTY DAMAGE:

DO NOT steam clean, hose down or flood the interior or exterior with water or liquid solution of any kind. DO NOT use water jet to clean.

Failure to observe this precaution will void the warranty.

(IPX-0 - Listed as Ordinary)

TROUBLESHOOTING GUIDE

NOTICE: If your unit is not operating properly, check the following before calling your authorized service agent. Check the power applied to the unit. Verify female end of plug is securely seated in unit and that the male end of plug is in an appropriate, functioning outlet. Check fuses. (See “Fuse Replacement” section in manual.)

DO NOT attempt to repair or service beyond this point. Contact manufacturer for nearest authorized service agent. Repairs made by any other service agent without prior authorization by manufacturer will void the warranty on the unit.

This chart is provided for the assistance of qualified and trained technicians only and is not intended for use by untrained or unauthorized service personnel.

Blanket warmer temperature may fluctuate ±10° from set point.

Code	Refers to	Action Required
E-10 **ES10** **ES20** **ES30** **ES40** **ES50** **ES60** **ES70**	Cavity sensor Sensor 1 Sensor 2 Sensor 3 Sensor 4 Sensor 5 Sensor 6 Sensor 7	Sensor is shorted. Software disengages heating pads. User must acknowledge error by pressing ON/OFF button. If error persists, a qualified service technician should test sensor. • To test sensor: Detach the sensor from unit. Use an Ohm meter to measure the resistance of the sensor. Check sensor at 0°C (32°F) using a container of ice water. If reading is 32.6 KOhm ±1.5 KOhm, replace display. If reading is ±2 KOhm, replace sensor. • Check wires for integrity. Check for proper and secure connections at the control and terminal block. If necessary, re-secure the faulty connections. • Call service if error persists.
E-11 **ES11** **ES21** **ES31** **ES41** **ES51** **ES61** **ES71**	Cavity sensor Pad sensor 1 Pad sensor 2 Pad sensor 3 Pad sensor 4 Pad sensor 5 Pad sensor 6 Pad sensor 7	Sensor is open. Software disengages heating pads. User must acknowledge error by pressing ON/OFF button. If error persists, a qualified service technician should test sensor. • To test sensor: Detach the sensor from unit. Use an Ohm meter to measure the resistance of the sensor. Check sensor at 0°C (32°F) using a container of ice water. If reading is 32.6 KOhm ±1.5 KOhm, replace display. If reading is ±2 KOhm, replace sensor. • Check wires for integrity. Check for proper and secure connections at the control and terminal block. If necessary, re-secure the faulty connections. • Call service if error persists.
P130 **P230** **P330** **P430** **P530** **P630** **P730**	Pad 1 Pad 2 Pad 3 Pad 4 Pad 5 Pad 6 Pad 7	Heating pad has not reached set-point temperature. User must acknowledge error by pressing ON/OFF button. If error persists, a qualified service technician should test the heater pad(s). • Turn unit OFF and unplug it from AC power. • Use Ohm meter to measure resistance between L:(Line) & N:(Neutral) leads of a cold heater pad. – The Ohm readings shall be: 120V = 72 Ohm ±10% or 230V = 288 Ohm ±10% • Call service if error persists.
***E-31**	Cavity sensor	• Sensor reading is above maximum allowable temperature set-point. – Fluid Warmers, triggers at 5° over set point. Blanket Warmers, triggers at 15° over set point • Call service.
P131 **P231** **P331** **P431** **P531** **P631** **P731**	Pad sensor 1 Pad sensor 2 Pad sensor 3 Pad sensor 4 Pad sensor 5 Pad sensor 6 Pad sensor 7	Heater pad over-temp error • Software disengages heating pads. • User must acknowledge error by pressing ON/OFF button. • Allow unit to cool. • Call service if error persists.
***E-33**	Cavity sensor	• Sensor reading is above maximum allowable temperature set-point and over temp value – Fluid Warmers, triggers at 71°C (160°F). Blanket Warmers, triggers at 79°C (175°F) • Contact service
***E-50**	Analog to Digital Convertor Error	• Remove product and allow unit to cool down. Inspect fluid and discard if necessary. • If error persists after cool down and reset, control assembly should be replaced by a qualified service technician. Contact service.
E-60	Real Time Clock Checksum Error	*(Blanket Warmers Only)* Real Time Clock rechargeable battery backup has discharged. • Plug unit into outlet for 30 minutes. • See “Timer Control Panel” section in blanket manual to reset clock.
***E-61**	Real Time Clock	*(Blanket Warmers Only)* Real Time Clock not responding. Call service if error persists.
E-62	Real Time Clock	Timer overlay is present, but no real time clock is detected. Call service.
***E-70**	Pad Count Error	More heater pads detected than set for. Hold ON/OFF button for 12 seconds until display shows "PAd#" (# = number of pads selected [3-7]). Press UP or DOWN arrow to adjust to correct number of pads. – Fluid Warmers: 2.5ft^3 & 4.0ft^3 = 3 pads – Blanket Warmers: 1.5ft^3, 2.5ft^3 = 3 pads, 3.5ft^3, 4.0ft^3, 7.5ft^3 = 4 pads
***E-71**	Personality Error	Call service
E-80	EEPROM Error	EEPROM not responding. Call service if error persists.
***E-81**	Calibration not locked	Call service
***E-83**	EEPROM Error	Call service for help resetting the control.
E-87	EEPROM Error	Stored offsets corrupted. Offsets reset to 0. Control may need to be recalibrated. Possible bad EEPROM. Call service if error persists.
E-90	Button stuck	A button has been held down for >60 seconds. Adjust control. Error will reset when the problem has been resolved.

TROUBLESHOOTING GUIDE

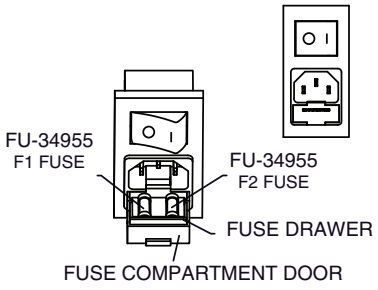
E-95	Factory Test pin short detected.	Ensure no debris is causing a short between the test pins. If pins are good, replace control.
***E-98**	Temperature Delta Error	*(Fluid Warmers Only)* Temperature of cavity sensors 1 and 2 differ by more than 1.7ºC (3ºF). • Remove product and allow unit to cool down. • Verify that product sensor is clean and operating correctly. • Press power button to clear error code. • If error persists, the sensor switch assembly should be replaced by a qualified service technician. Contact service.
E-99	Hardware Over Temp	• Inspect connections and condition of high limit bimetal thermostat. • If error continues call service.
***EFAn**	Fan or Fan Sensor failure	*(Fluid Warmers Only)* • If the fan is operating, ensure that the lens on the sensor is not blocked or dirty. • If error persists after cleaning sensor, use an Ohm meter to ensure sensor wires are good. A good wire will have a reading of <1 Ohm. • If wires are good, replace sensor. • If error persists after replacement, check sensor mount location. • If error still persists, replace control.

Note: All non-critical codes can be cleared using the ON/OFF button. Critical errors (marked with a *) can only be cleared by turning the power switch on the back of the unit off and allowing unit to cool.

FUSE REPLACEMENT

Fuse replacement:

1. Unplug power cord from wall outlet and power switch assembly.
2. Fuse compartment is located directly below the plug receptacle. Use fingernail or thin implement to flip compartment door open.
3. Use fingernail or thin implement to pull fuse drawer out from compartment.
4. Use a thin implement to push fuses up out of drawer.
5. Replace with new fuse.
6. Push drawer back into compartment.
7. Close compartment door.



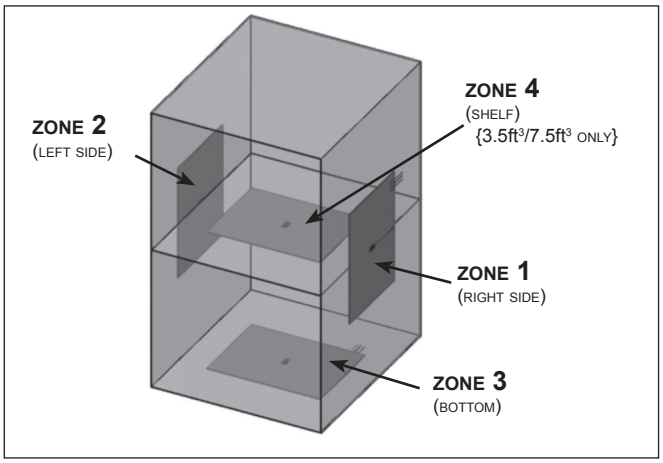
WARNING!

FOR PROTECTION AGAINST FIRE AND ELECTRICAL SHOCK USE ONLY UL LISTED 10A, 250V FAST ACTING FUSES, 5MM X 20MM (F1, F2). ACCESS SHOULD BE MADE BY QUALIFIED SERVICE TECHNICIANS ONLY.

HOSPITAL GRADE CORD MUST BE USED. REFER TO OPERATION AND CARE MANUAL OR CONTACT MANUFACTURER FOR ACCEPTABLE CORDS. EQUIPMENT MUST BE CONNECTED TO AN EQUIVALENT RECEPTACLE MARKED "HOSPITAL GRADE".

LA-29452

ZONE HEATING ELEMENT LOCATIONS



SERIAL NUMBER IS REQUIRED FOR ALL INQUIRIES

PART NUMBERS AND DRAWINGS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

OPTIONS & ACCESSORIES PARTS LIST

	P-2205	P-2210	P-2220	P-2230	P-2240
BUMPER & CASTER ASSEMBLY 3" (76mm) caster; OVERALL HEIGHT INCREASES BY 5" (127mm)					
White Epoxy Coated	—	5017546	5017546	5017547	5017547
Stainless Steel	—	5017548	5017548	5017549	5017549
PLATE & CASTER ASSEMBLY 3" (76mm) caster (2 RIGID, 2 SWIVEL WITH BRAKE); OVERALL HEIGHT INCREASES BY 5" (127mm)					
White Epoxy Coated	—	5017542	5017542	5017543	5017543
Stainless Steel	—	5017544	5017544	5017545	5017545
CASTER ASSEMBLY					
3" (76mm) caster (4 SWIVEL, 2 WITH BRAKE); OVERALL HEIGHT INCREASES BY 4.3" (109mm)	—	5012693	5012693	—	—
5" (127mm) caster (4 SWIVEL, 2 WITH BRAKE); OVERALL HEIGHT INCREASES BY 6.5" (165mm)	—	—	—	5018646	5018646
CART 34-1/2" (876mm) H x 24" (610mm) W x 26" (660mm) D ***WARNING:*** Cabinet needs to be centered front to back and side to side on top of the cart to prevent tipping, personal injury, and property damage.	5018614	5018614	—	5018614	—
DOOR, RIGHT OR LEFT HINGED					
Blue epoxy coated door without manual door lock	5018245	5018246	5018247	5018248	5018249
Blue epoxy coated door with manual door lock	5018255	5018256	5018257	5018258	5018259
Stainless steel door with manual door lock	5018260	5018261	5018262	5018263	5018264
Stainless steel door without manual door lock	5018250	5018251	5018252	5018253	5018254
SEISMIC MOUNTING BRACKETS (special installation requirements apply)	1014403	1014403	1014403	1014403	1017494
STACKING HARDWARE - P-2210 or P-2220 double stacked					
White Epoxy Coated	—	5013021	5013021	—	—
Stainless Steel	—	5017272	5017272	—	—
STACKING HARDWARE - P-2230 or P-2240 double stacked					
White Epoxy Coated	—	—	—	5013024	5013024
Stainless Steel	—	—	—	5017273	5017273
STACKING HARDWARE - P-2210 or P-2220 triple stacked					
White Epoxy Coated (2 required)	—	5017537	5017537	AVAILABLE	—
Stainless Steel (2 required)	—	5017539	5017539	AVAILABLE	—

WARNING

To prevent SERIOUS INJURY or PROPERTY DAMAGE:

ALWAYS apply caster brakes on mobile carts, appliances, or accessories when stationary. Equipment on casters can move or roll on uneven floors.

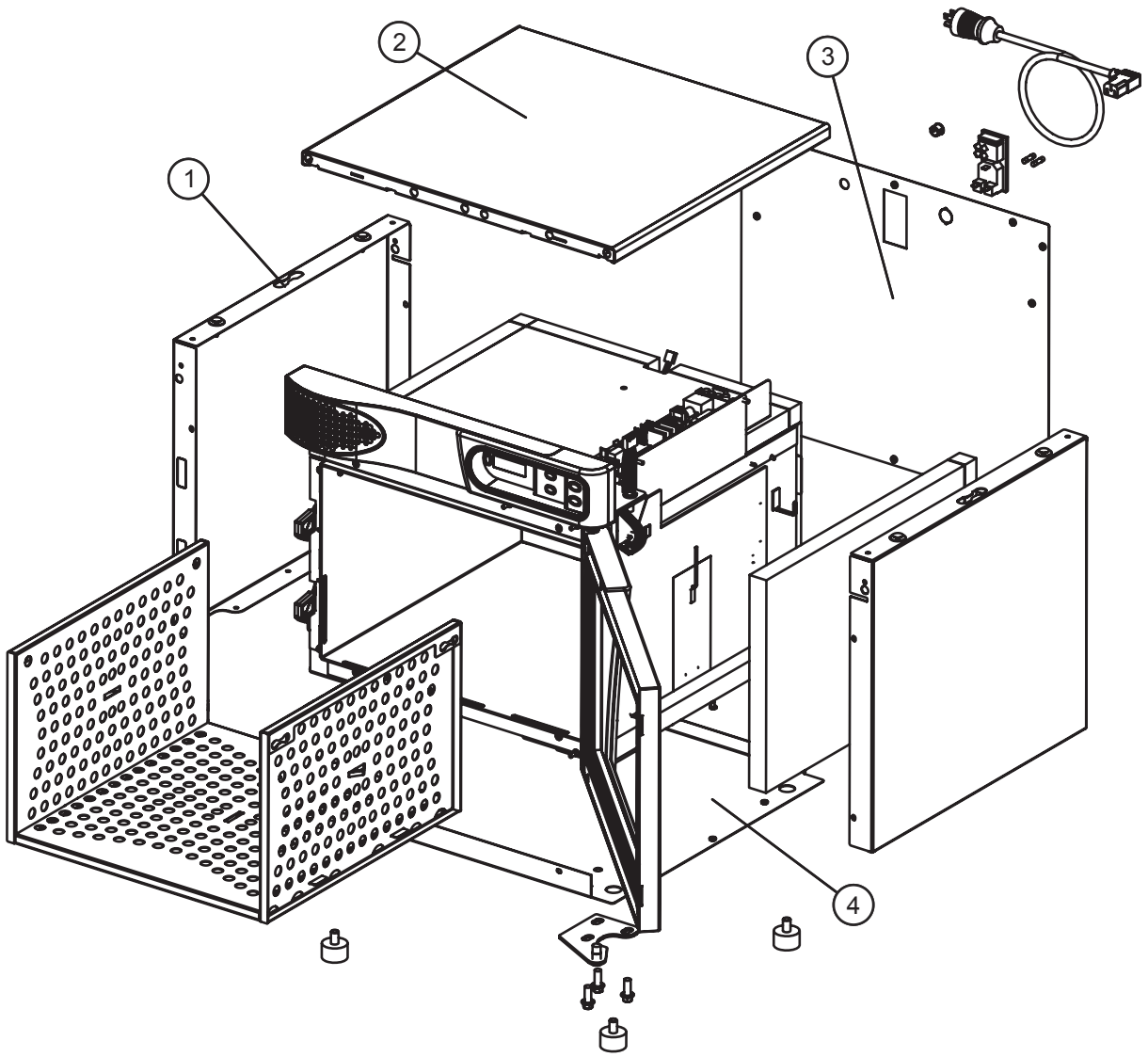
P-2205 on 5018614 Cart

P-2230 over P-2240

SERIAL NUMBER IS REQUIRED FOR ALL INQUIRIES

PART NUMBERS AND DRAWINGS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

FULL ASSEMBLY A



Item	Description	Part	Qty
1	SIDE COVER, 1.5ft³	1011024	2
1a	SIDE COVER, STAINLESS STEEL, 1.5ft³	1014261	2
1b	SIDE COVER, 2.5ft³	1011269	2
1c	SIDE COVER, STAINLESS STEEL, 2.5ft³	1014268	2
1d	SIDE COVER, 3.5ft³	1011288	2
1e	SIDE COVER, STAINLESS STEEL, 3.5ft³	1014275	2
1f	SIDE COVER, 4.0ft³	1011472	2
1g	SIDE COVER, STAINLESS STEEL, 4.0ft³	1014282	2
1h	SIDE COVER, 7.5ft³	1011588	2
1i	SIDE COVER, STAINLESS STEEL, 7.5ft³	1014289	2
2	TOP COVER, 1.5ft³	1011029	1
2a	TOP COVER, STAINLESS STEEL, 1.5ft³	1014264	1
2b	TOP COVER, 2.5ft³/3.5ft³	1011266	1
2c	TOP COVER, STAINLESS STEEL, 2.5ft³/3.5ft³	1014271	1
2d	TOP COVER, 4.0ft³/7.5ft³	1011475	1
2e	TOP COVER, STAINLESS STEEL, 4.0ft³/7.5ft³	1014285	1
3	REAR COVER, 1.5ft³	5013520	1

Item	Description	Part	Qty
3a	REAR COVER, STAINLESS STEEL, 1.5ft³	1014262	1
3b	REAR COVER, 2.5ft³	5013521	1
3c	REAR COVER, STAINLESS STEEL, 2.5ft³	1014269	1
3d	REAR COVER, 3.5ft³	5013522	1
3e	REAR COVER, STAINLESS STEEL, 3.5ft³	1014276	1
3f	REAR COVER, 4.0ft³	5013643	1
3g	REAR COVER, STAINLESS STEEL, 4.0ft³	1014283	1
3h	REAR COVER, 7.5ft³	5018517	1
3i	REAR COVER, STAINLESS STEEL, 7.5ft³	1014290	1
4	BOTTOM COVER, 1.5ft³	5013523	1
4a	BOTTOM COVER, STAINLESS STEEL,1.5ft³	1014263	1
4b	BOTTOM COVER, 2.5ft³/3.5ft³	5013524	1
4c	BOTTOM COVER, STAINLESS STEEL, 2.5ft³/3.5ft³	1014270	1
4d	BOTTOM COVER, 4.0ft³/7.5ft³	5013644	1
4e	BOTTOM COVER, STAINLESS STEEL, 4.0ft³/7.5ft³	1014284	1

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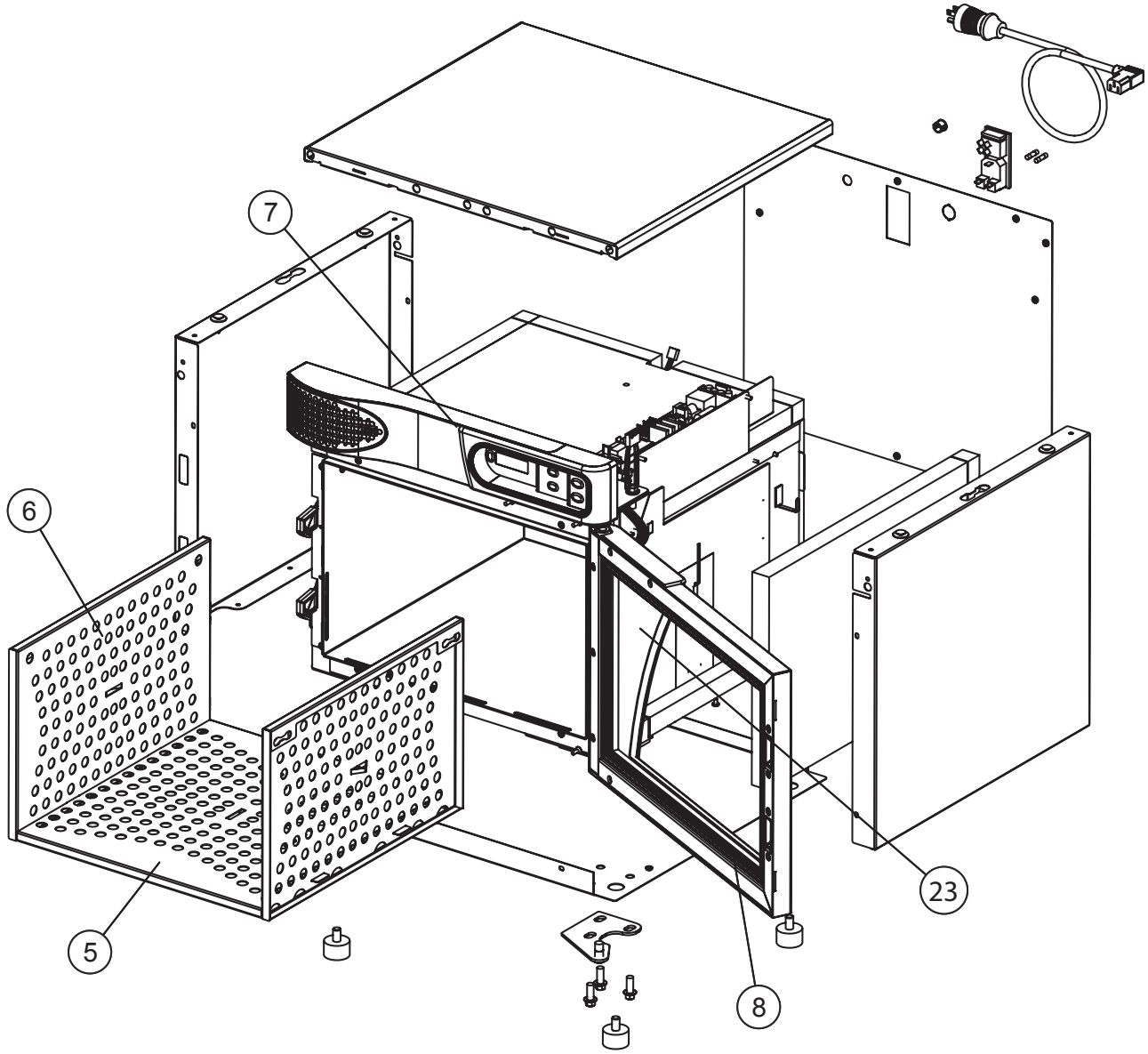
FULL ASSEMBLY B



Item	Description	Part	Qty
5	BLANKET SUPPORT BOTTOM, 1.5ft³	1011045	1
5a	BLANKET SUPPORT BOTTOM, 2.5ft³	1011265	1
5b	BLANKET SUPPORT BOTTOM, 3.5ft³	1011265	2
5c	BLANKET SUPPORT BOTTOM, 4.0ft³	1011471	1
5d	BLANKET SUPPORT BOTTOM, 7.5ft³	1011471	2
6	BLANKET SUPPORT SIDE, 1.5ft³	1012865	2
6a	BLANKET SUPPORT SIDE, 2.5ft³	1012866	2
6b	BLANKET SUPPORT SIDE, 3.5ft³	1012867	4
6c	BLANKET SUPPORT SIDE, 4.0ft³	1011470	2
6d	BLANKET SUPPORT SIDE, 7.5ft³	1011587	4
7	INTERFACE ASSEMBLY, 18.5" STANDARD, PAINTED	5015217	1
7a	INTERFACE ASSEMBLY, 18.5" TIMER, PAINTED	5015218	1
7b	INTERFACE ASSEMBLY, 18.5" STANDARD, STAINLESS STEEL	5016719	1
7c	INTERFACE ASSEMBLY, 18.5" TIMER, STAINLESS STEEL	5016723	1
7d	INTERFACE ASSEMBLY, 24" STANDARD, PAINTED	5015714	1
7e	INTERFACE ASSEMBLY, 24" TIMER, PAINTED	5015715	1
7f	INTERFACE ASSEMBLY, 24" STANDARD, STAINLESS STEEL	5016720	1
7g	INTERFACE ASSEMBLY, 24" TIMER, STAINLESS STEEL	5016724	1
8	DOOR ASSEMBLY, PAINTED, 1.5ft³	5018245	1
8a	DOOR ASSEMBLY, STAINLESS STEEL, 1.5ft³	5018250	1

Item	Description	Part	Qty
8b	DOOR ASSEMBLY, PAINTED W/ LOCK, 1.5ft³	5018255	1
8c	DOOR ASSEMBLY, STAINLESS STEEL W/ LOCK, 1.5ft³	5018260	1
8d	DOOR ASSEMBLY, PAINTED, 2.5ft³	5018246	1
8e	DOOR ASSEMBLY, STAINLESS STEEL, 2.5ft³	5018251	1
8f	DOOR ASSEMBLY, PAINTED W/ LOCK, 2.5ft³	5018256	1
8g	DOOR ASSEMBLY, STAINLESS STEEL W/ LOCK, 2.5ft³	5018261	1
8h	DOOR ASSEMBLY, PAINTED, 3.5ft³	5018247	1
8i	DOOR ASSEMBLY, STAINLESS STEEL, 3.5ft³	5018252	1
8j	DOOR ASSEMBLY, PAINTED W/ LOCK, 3.5ft³	5018257	1
8k	DOOR ASSEMBLY, STAINLESS STEEL W/ LOCK, 3.5ft³	5018262	1
8l	DOOR ASSEMBLY, PAINTED, 4.0ft³	5018248	1
8m	DOOR ASSEMBLY, STAINLESS STEEL, 4.0ft³	5018253	1
8n	DOOR ASSEMBLY, PAINTED W/ LOCK, 4.0ft³	5018258	1
8o	DOOR ASSEMBLY, STAINLESS STEEL W/ LOCK, 4.0ft³	5018263	1
8p	DOOR ASSEMBLY, PAINTED, 7.5ft³	5018249	1
8q	DOOR ASSEMBLY, STAINLESS STEEL, 7.5ft³	5018254	1
8r	DOOR ASSEMBLY, PAINTED W/ LOCK, 7.5ft³	5018259	1
8s	DOOR ASSEMBLY, STAINLESS STEEL W/ LOCK, 7.5ft³	5018264	1
23	COVER, DOOR	CONTACT FACTORY	1

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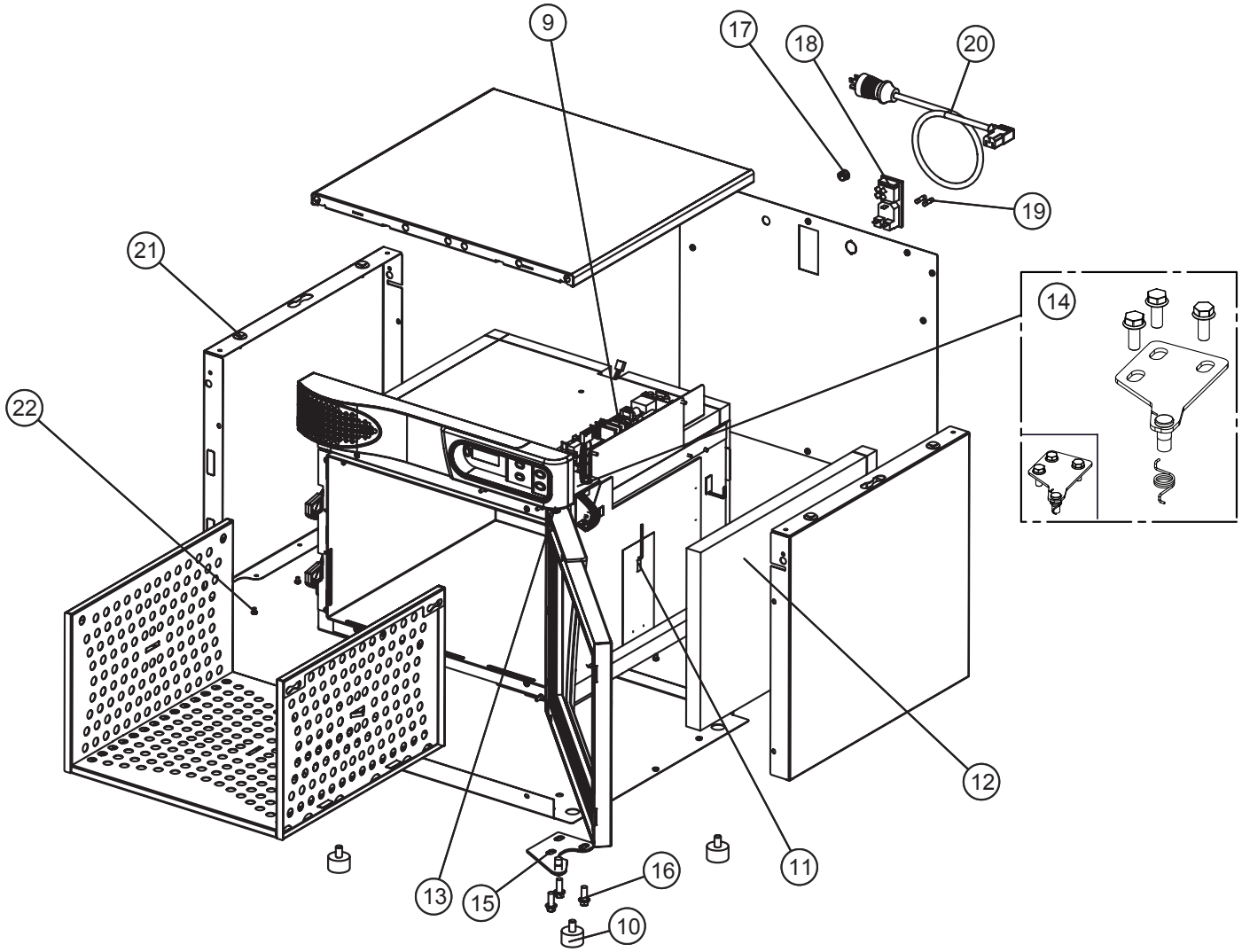
FULL ASSEMBLY C



Item	Description	Part	Qty
9	CHASSIS, 3-ZONE, 120V, 1.5ft³/2.5ft³	5017792	1
9b	CHASSIS, 4-ZONE, 120V, 3.5ft³/4.0ft³/7.5ft³	5017793	1
10	BUMPER FEET, RUBBER,1.5ft³/2.5ft³/3.5ft³/4.0ft³	FE-29203	4
10a	BUMPER FEET, RUBBER, 7.5ft³	BM-22606	4
11	HEAT PAD, 1.5ft³/2.5ft³	EL-37009	3
11a	HEAT PAD, 3.5ft³/4.0ft³	EL-37009	4
11b	HEAT PAD, 7.5ft³	EL-36692	4
12	INSULATION KIT, 1.5ft³	5018010	1
12a	INSULATION KIT, 2.5ft³/3.5ft³	5018011	1
12b	INSULATION KIT, 4.0ft³/7.5ft³	5018012	1
13	SPRING, DOOR, 1.5ft³	SD-29340	1

Item	Description	Part	Qty
13a	SPRING, DOOR, 2.5ft³/3.5ft³/4.0ft³/7.5ft³	SD-29467	1
14	UPPER HINGE, ASSEMBLY	5015522	1
15	LOWER HINGE, ASSEMBLY	5015523	1
16	SCREW, M8 x 1.25 x 20mm HEX FLG	SC-27046	6
17	PLUG, 1/2" ROUND	PG-3344	1
18	POWER, SWITCH, ASSEMBLY	SW-34911	1
19	FUSE, (F1, F2) FAST ACTING	FU-34955	2
20	POWER CORD	CD-35030	1
21	CLIP, PANEL RETAINER	CL-29193	6
22	SCREW, M4 x 0.7 x 6mm PAN	SC-22271	1

SERIAL NUMBER IS REQUIRED FOR ALL INQUIRIES

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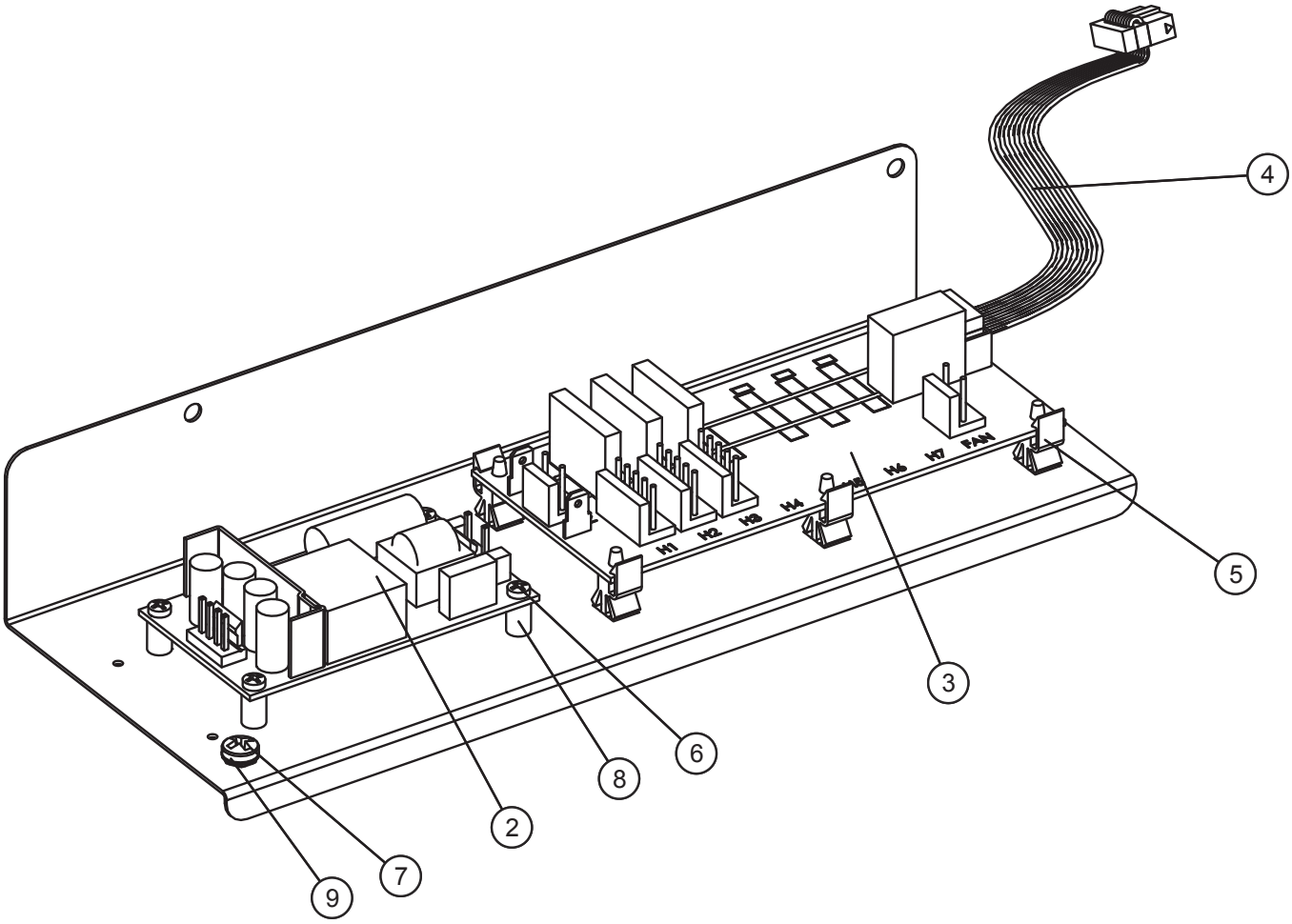
ELECTRICAL CHASSIS

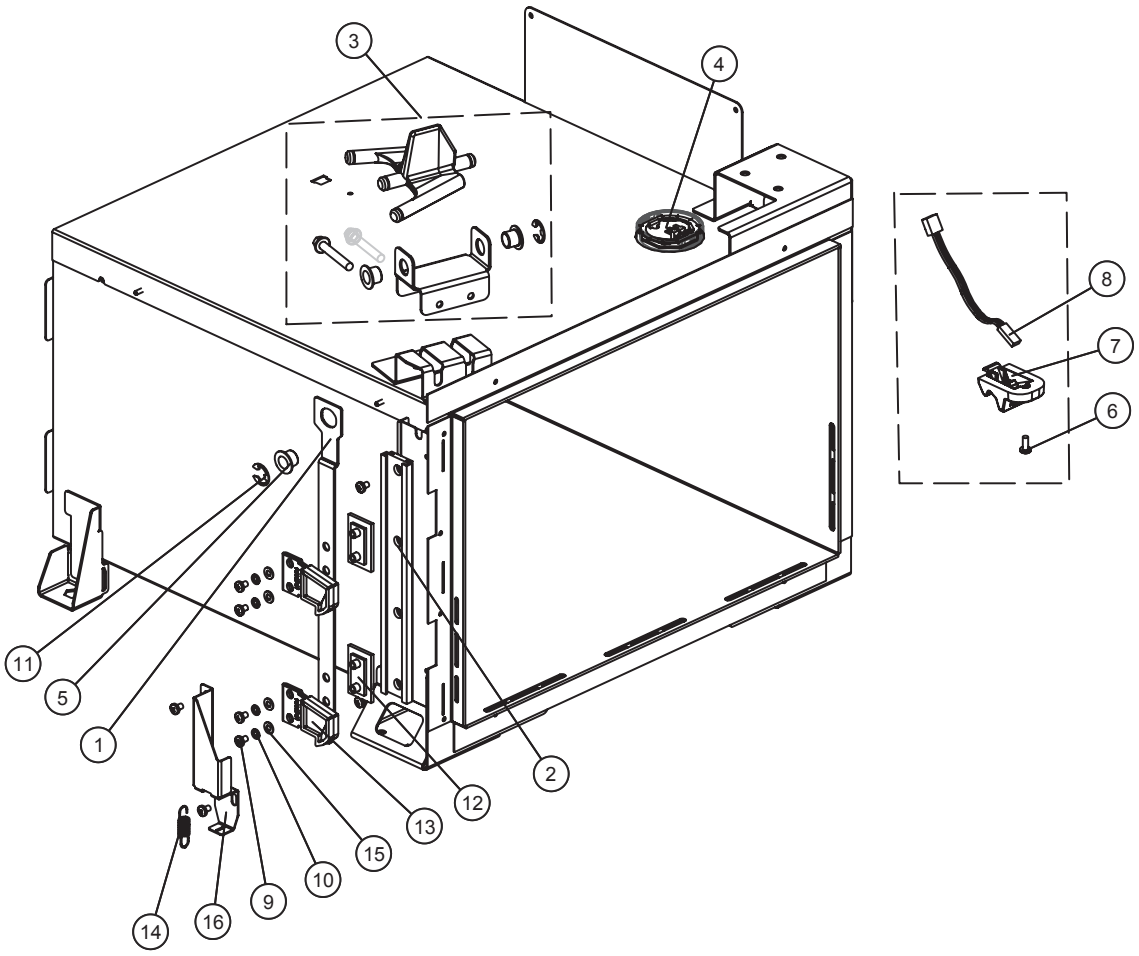


Item	Description	Part	Qty
1	WIRE ASSEMBLY, CONTROL, ALL VERSIONS, NOT SHOWN	5018056	1
2	POWER SUPPLY, 20W	BA-34965	1
3	RELAY BOARD, 3-ZONE, 120V, 1.5ft³/2.5ft³	BA-35106	1
3a	RELAY BOARD, 4-ZONE, 120V, 3.5ft³/4.0ft³/7.5ft³	BA-35107	1
4	CABLE, RELAY BOARD	CB-35193	1
5	CLIP, EDGE HOLDING	CL-35031	5
6	SCREW, M3-0.5 x 16mm, PH HD	SC-22270	4
7	SCREW, PAN PH, METRIC, M5	SC-36973	1
8	SPACER, 1/4" DIA x 3/8" NYLON	SP-29425	4
9	WASHER, INT. LOCK	WS-2467	1

SERIAL NUMBER IS REQUIRED FOR ALL INQUIRIES

PART NUMBERS AND DRAWINGS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

DOOR LATCH & SENSOR



Item	Description	Part	Qty
1	PLATE, LATCH PULL, 1.5ft³	1011197	1
1a	PLATE, LATCH PULL, 2.5ft³/4.0ft³	1011263	1
1b	PLATE, LATCH PULL, 3.5ft³	1011295	1
1c	PLATE, LATCH PULL, 7.5ft³	1011850	1
2	GUIDE, LOW PROFILE RAIL, 1.5ft³	GI-29204	1
2a	GUIDE, LOW PROFILE RAIL, 2.5ft³/3.5ft³/4.0ft³	GI-29254	1
2b	GUIDE, LOW PROFILE RAIL, 7.5ft³	GI-29409	1
3	DOOR BUTTON LATCH PIVOT ASSEMBLY	5013640	1
4	LED ASSEMBLY	5014852	1
5	BUSHING	BU-29206	1
6	SCREW, SENSOR BLOCK	SC-22273	1
7	BLOCK, SENSOR MOUNT	BK-29882	1
8	CAVITY SENSOR	PR-37140	1
9	SCREW, M4 x 0.7 x 6mm PAN	SC-22271	8
10	WASHER, M4 SPLIT LOCK	WS-22300	4
11	CLIP	CL-29257	1
12	GUIDE, LOW PROFILE CARRIAGE	GI-29205	2
13	LATCH, HOOK	LT-29174	2
14	SPRING, EXTENSION	SD-28513	1
15	WASHER, FLAT M4 18-8 S/S	WS-22294	4
16	HOUSING, LATCH SPRING SUPPORT	1011163	1

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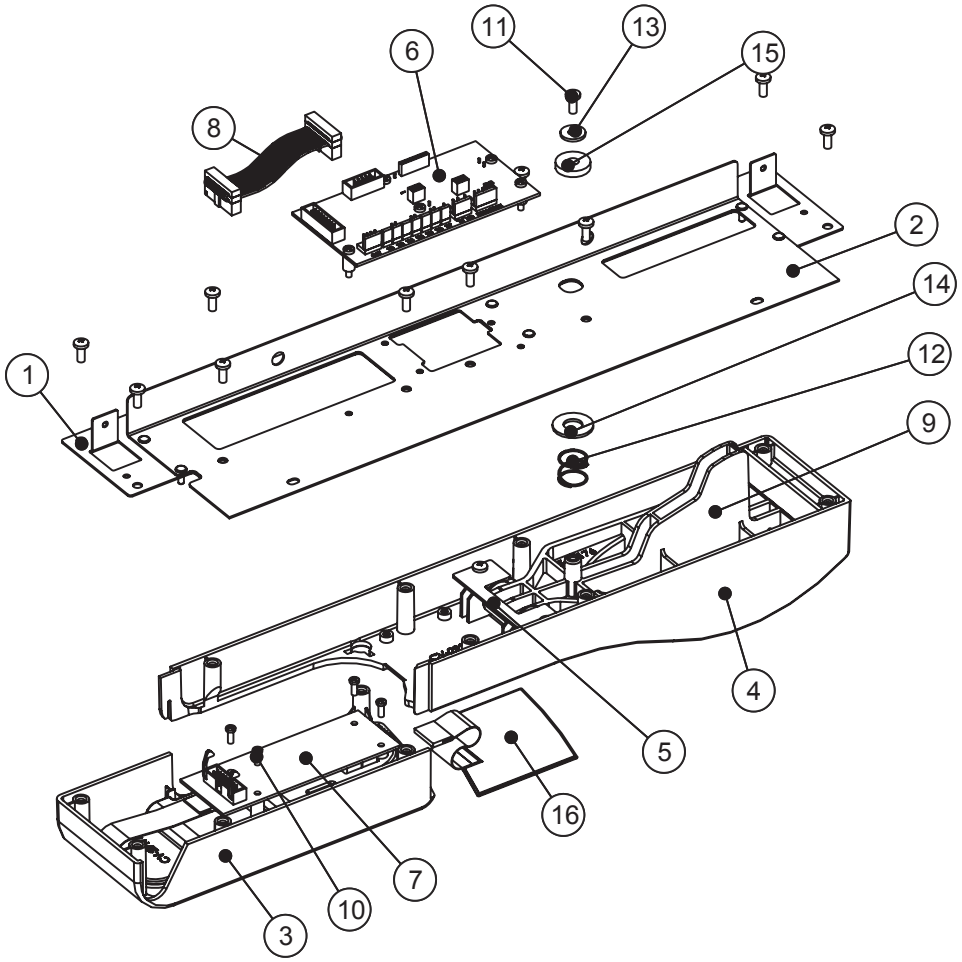
CONTROL INTERFACE



Item	Description	Part	Qty
1	PANEL, INTERFACE MOUNT, 18.5", 1.5ft³/2.5ft³/3.5ft³	1011336	1
1a	PANEL, INTERFACE MOUNT, 24", 4.0ft³/7.5ft³	1011482	1
2	PANEL, FRONT TOP TRIM, PAINTED, 18.5", 1.5ft³/2.5ft³/3.5ft³	1011032	1
2a	PANEL, FRONT TOP TRIM, PAINTED, 24", 4.0ft³/7.5ft³	1011481	1
2b	PANEL, FRONT TOP TRIM, STAINLESS STEEL, 18.5", 1.5ft³/2.5ft³/3.5ft³	1014265	1
2c	PANEL, FRONT TOP TRIM, STAINLESS STEEL, 24", 4.0ft³/7.5ft³	1014286	1
3	CONTROL, ASSEMBLY SERVICE KIT	5015524	1
4	COVER BUTTON, 18.5", 1.5ft³/2.5ft³/3.5ft³	CV-29256	1
4a	COVER BUTTON, 24", 4.0ft³/7.5ft³	CV-29345	1
4b	COVER BUTTON, W/ TIMER, 18.5", 1.5ft³/2.5ft³/3.5ft³	CV-29434	1
4c	COVER BUTTON, W/ TIMER, 24", 4.0ft³/7.5ft³	CV-35433	1
5	PLATE, BUTTON RETAINER	1011149	1
6	CONTROL, SERVICE KIT	5018020	1
7	CIRCUIT BOARD, DISPLAY	BA-34868	1
8	CABLE, 3.5" DISPLAY	CB-35192	1
9	LATCH, BUTTON	LT-29176	1
10	SCREW, PAN HD PHLPS, M3 x 8	SC-29332	4
11	SCREW, PAN HD PHLPS, M4 x 12	SC-29333	15
12	SPRING, COMPRESSION	SD-29371	1
13	WASHER, FLAT	WS-22323	1
14	WASHER, FLAT	WS-23991	1
15	WASHER, FLAT	WS-25056	1
16	OVERLAY, AUTO TIMER (OPTIONAL)	PE-34864	1

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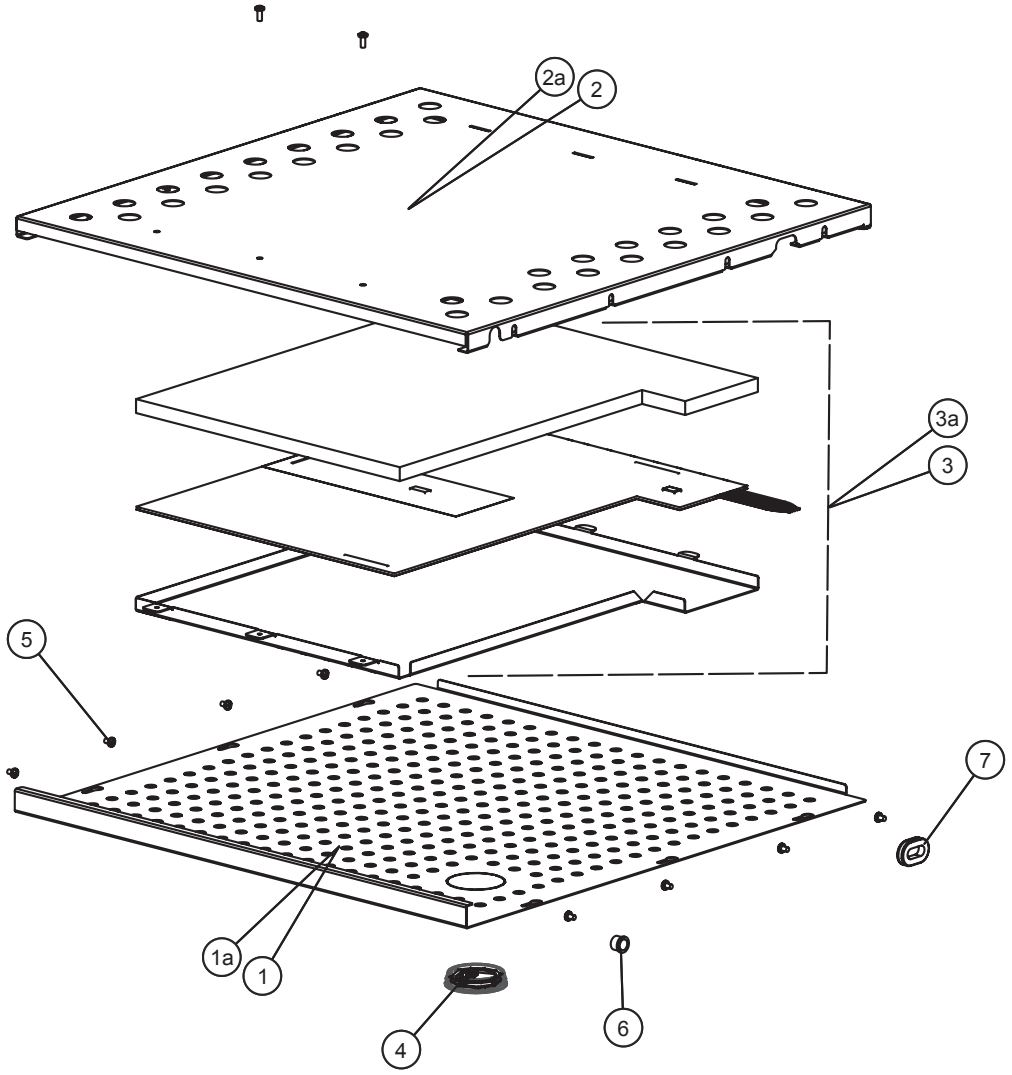
SHELF (P-2220/P-2240 ONLY)



Item	Description	Part	Qty
1	PANEL, HEATED SHELF BOTTOM, 3.5ft³	1011230	1
1a	PANEL, HEATED SHELF BOTTOM, 7.5ft³	1011597	1
2	PANEL, HEAT SHELF, 3.5ft³	1015078	1
2a	PANEL, HEATED SHELF, 7.5ft³	1014609	1
3	HEATED SHELF KIT, 3.5ft³	5017020	1
3a	HEATED SHELF KIT	5019545	1
4	LED ASSEMBLY	5014852	1
5	SCREW, M4 x 0.7 x 10mm PAN	SC-2227	10
6	1/2" HOLE BUSHING	BU-3006	1
7	GROMMET, NEOPRENE, BLACK	BU-36408	1

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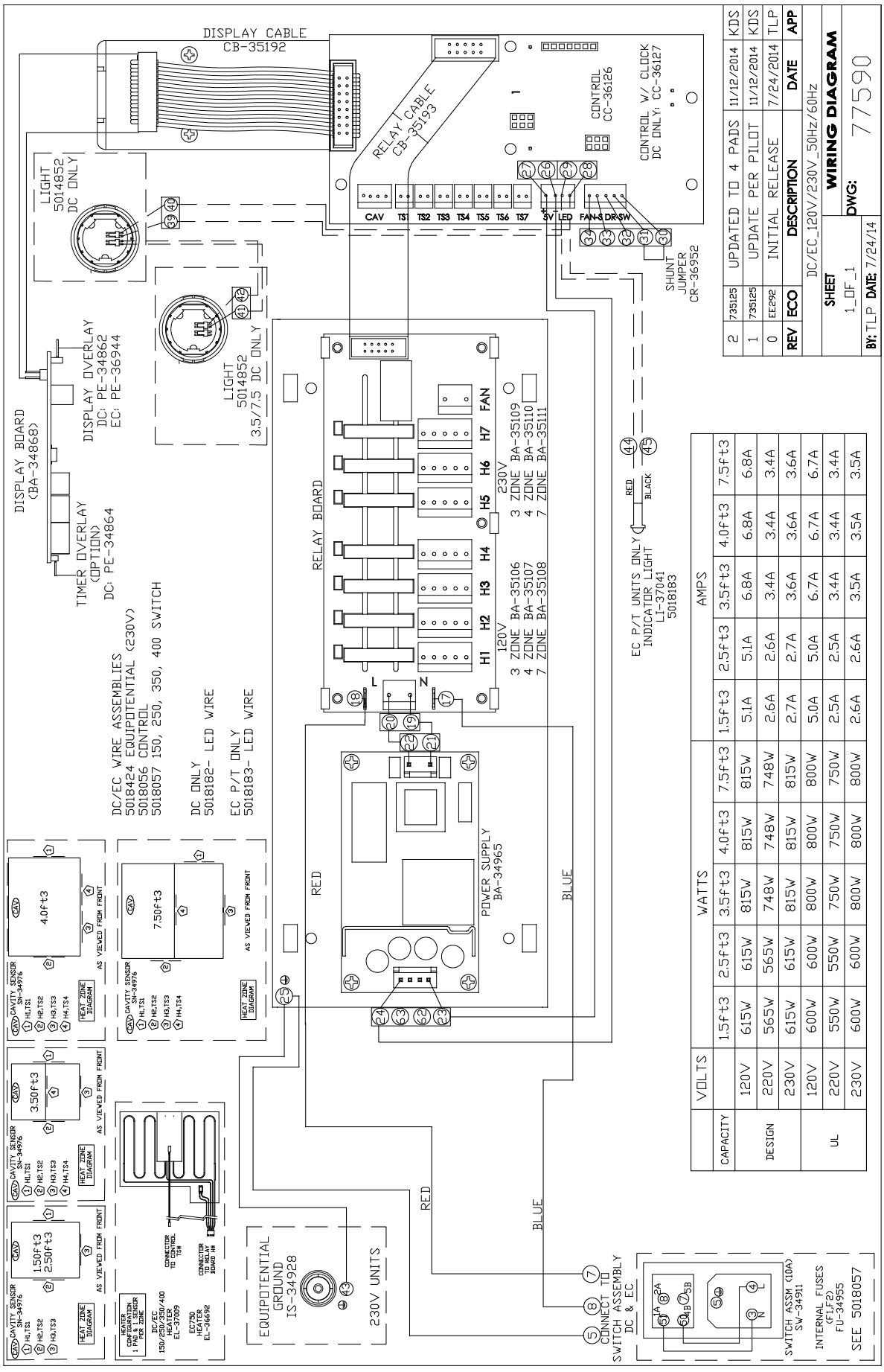
Refer to wire diagram included with the unit.



REV	ECO	DESCRIPTION	DATE	APP
2	735125	UPDATED TO 4 PADS	11/12/2014	KDS
1	735125	UPDATE PER PILOT	11/12/2014	KDS
0	EE292	INITIAL RELEASE	7/24/2014	TLP

DC/EC_120V/230V_50Hz/60Hz

SHEET 1_OF_1 | **WIRING DIAGRAM** | DWG: 77590

BY: TLP DATE: 7/24/14

	VOLTS	WATTS					AMPS					
CAPACITY		1.5ft3	2.5ft3	3.5ft3	4.0ft3	7.5ft3	1.5ft3	2.5ft3	3.5ft3	4.0ft3	7.5ft3
DESIGN	120V	615W	615W	815W	815W	815W	5.1A	5.1A	6.8A	6.8A	6.8A
	220V	565W	565W	748W	748W	748W	2.6A	2.6A	3.4A	3.4A	3.4A
	230V	615W	615W	815W	815W	815W	2.7A	2.7A	3.6A	3.6A	3.6A
UL	120V	600W	600W	800W	800W	800W	5.0A	5.0A	6.7A	6.7A	6.7A
	220V	550W	550W	750W	750W	750W	2.5A	2.5A	3.4A	3.4A	3.4A
	230V	600W	600W	800W	800W	800W	2.6A	2.6A	3.5A	3.5A	3.5A

PEDIGO PRODUCTS, INC LIMITED WARRANTY

Pedigo Products, Inc. warrants to the original purchaser that any original part that is found to be defective in material or workmanship will, at our option, subject to provisions hereinafter stated, be replaced with a new or rebuilt part.

The labor warranty remains in effect one (1) year from installation or fifteen (15) months from the shipping date, whichever occurs first.

The original parts warranty for the cavity fan motor remains in effect one (1) year from installation of appliance or fifteen (15) months from the shipping date, whichever occurs first. The original parts warranty on all other parts remains in effect three (3) years from installation of appliance or thirty-nine (39) months from the shipping date, whichever occurs first.

This warranty does not apply to:

1. Calibration
2. Equipment damage caused by accident, shipping, improper installation or alteration.
3. Equipment used under conditions of abuse, misuse, carelessness or abnormal conditions including equipment subjected to harsh or inappropriate chemicals including but not limited to compounds containing chloride or quaternary salts, poor water quality, or equipment with missing or altered serial numbers.
4. Any losses or damage resulting from malfunction, including loss of contents or consequential or incidental damages of any kind.
5. Equipment modified in any manner from original model, substitution of parts other than factory authorized parts, removal of any parts including legs, or addition of any parts.
6. Collateral or incidental damage as a direct result of servicing equipment built into a wall structure is not covered under warranty. It is the responsibility of the owner to bear all expense related to structural repairs including, but not limited to, external electrical connections and wiring, and the removal or replacement of caulk, grout, tile, or wall covering of any kind. A service access panel for built-in equipment installations is strongly recommended.

This warranty is exclusive and is in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose. In no event shall the Company be liable for loss of use, loss of revenue, or loss of contents or revenue, or for indirect or consequential damages. This warranty is in lieu of all other warranties expressed or implied and Pedigo Products, Inc. neither assumes or authorizes any persons to assume for it any other obligation or liability in connection with Pedigo Products, Inc. equipment.

Pedigo Products, Inc.

SERIAL NUMBER IS REQUIRED FOR ALL INQUIRIES

Always include both model and serial numbers in your correspondence regarding the unit.

Model: _____

Serial Number: _____

Purchased From: _____

Date Installed: _____ **Voltage:** _____

Warranty Effective November 1, 2012

PEDIGO®