

Request for Reconsideration after Final Action

The table below presents the data as entered.

Input Field	Entered
SERIAL NUMBER	86504581
LAW OFFICE ASSIGNED	LAW OFFICE 114
MARK SECTION	
MARK	https://tmng-al.uspto.gov/resting2/api/img/86504581/large
LITERAL ELEMENT	WARMSAFE
STANDARD CHARACTERS	YES
USPTO-GENERATED IMAGE	YES
MARK STATEMENT	The mark consists of standard characters, without claim to any particular font style, size or color.
ARGUMENT(S)	
The substitute specimen consists of an Operator's Manual which is shipped with the goods. Use of the mark can be found on page 4 of the manual.	
GOODS AND/OR SERVICES SECTION (current)	
INTERNATIONAL CLASS	010
DESCRIPTION	
Medical equipment, namely, units for warming solutions, liquids, and blankets for medical and surgical use	
FIRST USE ANYWHERE DATE	At least as early as 05/01/2015
FIRST USE IN COMMERCE DATE	At least as early as 05/01/2015
FILING BASIS	Section 1(b)
GOODS AND/OR SERVICES SECTION (proposed)	
INTERNATIONAL CLASS	010
DESCRIPTION	
Medical equipment, namely, units for warming solutions, liquids, and blankets for medical and surgical use	
FIRST USE ANYWHERE DATE	At least as early as 05/01/2015
FIRST USE IN COMMERCE DATE	At least as early as 05/01/2015
STATEMENT TYPE	"The substitute (or new, or originally submitted, if appropriate) specimen(s) was/were in use in commerce at least as early as the filing date of the application" [for an application based on Section 1(a), Use in Commerce] OR "The substitute (or new, or originally submitted, if appropriate) specimen(s) was/were in use in commerce prior either to the filing of the Amendment to Allege Use or expiration of the filing deadline for filing a Statement of Use" [for an application based on Section 1(b) Intent-to-Use]. OR "The attached specimen is a true copy of the specimen that was originally submitted with the application, amendment to allege use, or statement of use" [for an illegible specimen].
SPECIMEN FILE NAME(S)	

ORIGINAL PDF FILE	SPU0-12145164226-20170424155055342090 . Substitute_Specimen.pdf
CONVERTED PDF FILE(S) (44 pages)	\\TICRS\EXPORT17\IMAGEOUT17\865\045\86504581\xml4\RFR0002.JPG
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SPECIMEN DESCRIPTION	An Operator's Manual shipped with the goods which shows use of the mark
FILING BASIS	Section 1(b)
SIGNATURE SECTION	
DECLARATION SIGNATURE	/Adam L. Brookman/
SIGNATORY'S NAME	Adam L. Brookman
SIGNATORY'S POSITION	Attorney of Record, WI Bar Member
SIGNATORY'S PHONE NUMBER	414-225-9755
DATE SIGNED	04/24/2017
RESPONSE SIGNATURE	/Adam L. Brookman/
SIGNATORY'S NAME	Adam L. Brookman
SIGNATORY'S POSITION	Attorney of Record, WI Bar Member
SIGNATORY'S PHONE NUMBER	414-225-9755
DATE SIGNED	04/24/2017
AUTHORIZED SIGNATORY	YES
CONCURRENT APPEAL NOTICE FILED	NO
FILING INFORMATION SECTION	
SUBMIT DATE	Mon Apr 24 15:57:59 EDT 2017
TEAS STAMP	USPTO/RFR-XX.XXX.XXX.XXX- 20170424155759051311-8650 4581-5807c44aa03878c794f7 41348cc0c1b8db21eff599e27 43c9b89aea363d7ede014-N/A -N/A-20170424155700972049

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PTO Form 1960 (Rev 10/2011)

OMB No. 0651-0050 (Exp 07/31/2017)

Request for Reconsideration after Final Action

To the Commissioner for Trademarks:

Application serial no. **86504581** WARMSAFE(Standard Characters, see <https://tmng-al.uspto.gov/resting2/api/img/86504581/large>) has been

amended as follows:

ARGUMENT(S)

In response to the substantive refusal(s), please note the following:

The substitute specimen consists of an Operator's Manual which is shipped with the goods. Use of the mark can be found on page 4 of the manual.

CLASSIFICATION AND LISTING OF GOODS/SERVICES

Applicant proposes to amend the following class of goods/services in the application:

Current: Class 010 for Medical equipment, namely, units for warming solutions, liquids, and blankets for medical and surgical use

Original Filing Basis:

Filing Basis: Section 1(b), Intent to Use: *For a trademark or service mark application:* As of the application filing date, the applicant had a bona fide intention, and was entitled, to use the mark in commerce on or in connection with the identified goods/services in the application. ***For a collective trademark, collective service mark, or collective membership mark application:*** As of the application filing date, the applicant had a bona fide intention, and was entitled, to exercise legitimate control over the use of the mark in commerce by members on or in connection with the identified goods/services/collective membership organization. ***For a certification mark application:*** As of the application filing date, the applicant had a bona fide intention, and was entitled, to exercise legitimate control over the use of the mark in commerce by authorized users in connection with the identified goods/services, and the applicant will not engage in the production or marketing of the goods/services to which the mark is applied, except to advertise or promote recognition of the certification program or of the goods/services that meet the certification standards of the applicant.

In International Class 010, the mark was first used at least as early as 05/01/2015 and first used in commerce at least as early as 05/01/2015 .

Proposed: Class 010 for Medical equipment, namely, units for warming solutions, liquids, and blankets for medical and surgical use

Filing Basis: Section 1(b), Intent to Use: *For a trademark or service mark application:* As of the application filing date, the applicant had a bona fide intention, and was entitled, to use the mark in commerce on or in connection with the identified goods/services in the application. ***For a collective trademark, collective service mark, or collective membership mark application:*** As of the application filing date, the applicant had a bona fide intention, and was entitled, to exercise legitimate control over the use of the mark in commerce by members on or in connection with the identified goods/services/collective membership organization. ***For a certification mark application:*** As of the application filing date, the applicant had a bona fide intention, and was entitled, to exercise legitimate control over the use of the mark in commerce by authorized users in connection with the identified goods/services, and the applicant will not engage in the production or marketing of the goods/services to which the mark is applied, except to advertise or promote recognition of the certification program or of the goods/services that meet the certification standards of the applicant.

In International Class 010, the mark was first used at least as early as 05/01/2015 . and first used in commerce at least as early as 05/01/2015 .

Applicant hereby submits one(or more) specimen(s) for Class 010 . The specimen(s) submitted consists of An Operator's Manual shipped with the goods which shows use of the mark .

"The substitute (or new, or originally submitted, if appropriate) specimen(s) was/were in use in commerce at least as early as the filing date of the application" [for an application based on Section 1(a), Use in Commerce] OR "The substitute (or new, or originally submitted, if appropriate) specimen(s) was/were in use in commerce prior either to the filing of the Amendment to Allege Use or expiration of the filing deadline for filing a Statement of Use" [for an application based on Section 1(b) Intent-to-Use]. OR "The attached specimen is a true copy of the specimen that was originally submitted with the application, amendment to allege use, or statement of use" [for an illegible specimen].

Original PDF file:

[SPU0-12145164226-20170424155055342090_.. Substitute Specimen.pdf](#)

Converted PDF file(s) (44 pages)

[Specimen File1](#)

[Specimen File2](#)

[Specimen File3](#)

[Specimen File4](#)

[Specimen File5](#)

[Specimen File6](#)

[Specimen File7](#)

[Specimen File8](#)

[Specimen File9](#)

[Specimen File10](#)

[Specimen File11](#)

[Specimen File12](#)

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[Specimen File14](#)
[Specimen File15](#)
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[Specimen File19](#)
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[Specimen File41](#)
[Specimen File42](#)
[Specimen File43](#)
[Specimen File44](#)

SIGNATURE(S)

Declaration Signature

DECLARATION: The signatory being warned that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements and the like may jeopardize the validity of the application or submission or any registration resulting therefrom, declares that, if the applicant submitted the application or allegation of use (AOU) unsigned, all statements in the application or AOU and this submission based on the signatory's own knowledge are true, and all statements in the application or AOU and this submission made on information and belief are believed to be true.

STATEMENTS FOR UNSIGNED SECTION 1(a) APPLICATION/AOU: If the applicant filed an unsigned application under 15 U.S.C. §1051(a) or AOU under 15 U.S.C. §1051(c), the signatory additionally believes that: the applicant is the owner of the mark sought to be registered; the mark is in use in commerce and was in use in commerce as of the filing date of the application or AOU on or in connection with the goods/services/collective membership organization in the application or AOU; the original specimen(s), if applicable, shows the mark in use in commerce as of the filing date of the application or AOU on or in connection with the goods/services/collective membership organization in the application or AOU; *for a collective trademark, collective service mark, collective membership mark application, or certification mark application*, the applicant is exercising legitimate control over the use of the mark in commerce and was exercising legitimate control over the use of the mark in commerce as of the filing date of the application or AOU; *for a certification mark application*, the applicant is not engaged in the production or marketing of the goods/services to which the mark is applied, except to advertise or promote recognition of the certification program or of the goods/services that meet the certification standards of the applicant. **To the best of the signatory's knowledge and belief, no other persons, except, if applicable, authorized users, members, and/or concurrent users, have the right to use the mark in commerce, either in the identical form or in such near resemblance as to be likely, when used on or in connection with the goods/services/collective membership organization of such other persons, to cause confusion or mistake, or to deceive.**

STATEMENTS FOR UNSIGNED SECTION 1(b)/SECTION 44 APPLICATION AND FOR SECTION 66(a)

COLLECTIVE/CERTIFICATION MARK APPLICATION: If the applicant filed an unsigned application under 15 U.S.C. §§ 1051(b),

1126(d), and/or 1126(e), or filed a collective/certification mark application under 15 U.S.C. §1141f(a), the signatory additionally believes that: ***for a trademark or service mark application***, the applicant is entitled to use the mark in commerce on or in connection with the goods/services specified in the application; the applicant has a bona fide intention to use the mark in commerce and had a bona fide intention to use the mark in commerce as of the application filing date; ***for a collective trademark, collective service mark, collective membership mark, or certification mark application***, the applicant has a bona fide intention, and is entitled, to exercise legitimate control over the use of the mark in commerce and had a bona fide intention, and was entitled, to exercise legitimate control over the use of the mark in commerce as of the application filing date; the signatory is properly authorized to execute the declaration on behalf of the applicant; ***for a certification mark application***, the applicant will not engage in the production or marketing of the goods/services to which the mark is applied, except to advertise or promote recognition of the certification program or of the goods/services that meet the certification standards of the applicant. **To the best of the signatory's knowledge and belief, no other persons, except, if applicable, authorized users, members, and/or concurrent users, have the right to use the mark in commerce, either in the identical form or in such near resemblance as to be likely, when used on or in connection with the goods/services/collective membership organization of such other persons, to cause confusion or mistake, or to deceive.**

Signature: /Adam L. Brookman/ Date: 04/24/2017
Signatory's Name: Adam L. Brookman
Signatory's Position: Attorney of Record, WI Bar Member
Signatory's Phone Number: 414-225-9755

Request for Reconsideration Signature

Signature: /Adam L. Brookman/ Date: 04/24/2017
Signatory's Name: Adam L. Brookman
Signatory's Position: Attorney of Record, WI Bar Member

Signatory's Phone Number: 414-225-9755

The signatory has confirmed that he/she is an attorney who is a member in good standing of the bar of the highest court of a U.S. state, which includes the District of Columbia, Puerto Rico, and other federal territories and possessions; and he/she is currently the owner's/holder's attorney or an associate thereof; and to the best of his/her knowledge, if prior to his/her appointment another U.S. attorney or a Canadian attorney/agent not currently associated with his/her company/firm previously represented the owner/holder in this matter: (1) the owner/holder has filed or is concurrently filing a signed revocation of or substitute power of attorney with the USPTO; (2) the USPTO has granted the request of the prior representative to withdraw; (3) the owner/holder has filed a power of attorney appointing him/her in this matter; or (4) the owner's/holder's appointed U.S. attorney or Canadian attorney/agent has filed a power of attorney appointing him/her as an associate attorney in this matter.

The applicant is not filing a Notice of Appeal in conjunction with this Request for Reconsideration.

Serial Number: 86504581
Internet Transmission Date: Mon Apr 24 15:57:59 EDT 2017
TEAS Stamp: USPTO/RFR-XX.XXX.XXX.XXX-201704241557590
51311-86504581-5807c44aa03878c794f741348
cc0c1b8db21eff599e2743c9b89aea363d7ede01
4-N/A-N/A-20170424155700972049



Operation and Care Manual

Designer Series Blanket Warmer



DC150

DC250

DC350

DC400

DC750

Enthermics Medical Systems

An ISO 13485:2003 certified company
PO Box 443, Menomonee Falls WI 53052-0443
W164 N9221 Water St, Menomonee Falls WI 53051
Tel 262-251-8356 | 800-TO-B-WARM
generalinfo@enthermics.com
www.enthermics.com

Delivery	1
Transportation Damage and Claims	1
Unpacking	2
Safety Procedures	3
Installation	4
Dimensions	5
Electrical Information	6
Operation Instructions	9
Cleaning and Preventative Maintenance	14
Dimension Drawings	16
Troubleshooting	30
Service	32
Wiring Diagrams	Refer to the wire diagram located under the lid of the appliance.

	Authorized Representative: MDSS GmbH Schiffgraben 41 30175 Hannover Germany
	



Environmental Conditions

Transport and storage environmental conditions (not to exceed 15 days)

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

Operational environmental conditions

- Appliance 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-condensing.

Receipt of Appliance

The appliance has been thoroughly tested and inspected to ensure only the highest quality appliance 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. Confirm that all standard items and options have been received with each appliance as ordered. Save all the information packed with the appliance.

This manual must be read and understood by all people using or installing the appliance. Contact the Enthermics service department if there are any questions concerning installation, operation, or maintenance.

Register the unit online to assure prompt service in the event of a warranty parts and labor claim.

<http://www.enthermics.com/warranty-registration>

Serial number is required for all inquiries.

Always include both model and serial number(s) in any correspondence regarding the appliance.

Model: _____

Serial Number: _____

Purchased From: _____

Date Installed: _____ **Voltage:** _____

Transportation Damage and Claims



All Enthermics Medical Systems appliances are 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. Conduct an immediate inspection while the appliance is still in the truck or immediately after it is moved to the receiving area. Do not wait until after the appliance is moved to a storage area.
2. Do not sign a delivery receipt or a freight bill until a proper count has been made and inspection of all appliances are received.
3. Note all damage to packages directly on the carrier's delivery receipt.

4. Have the driver sign the delivery 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. Contact 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.

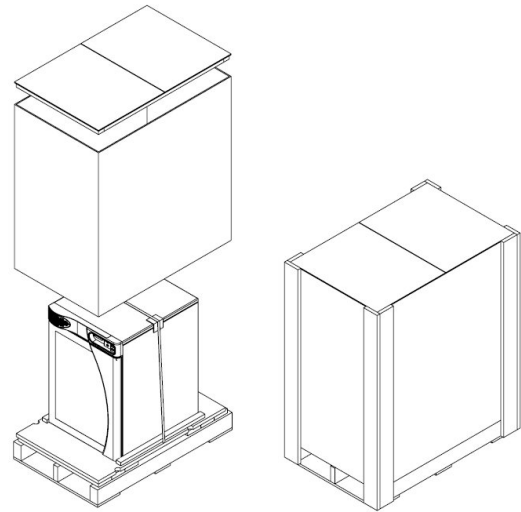
Enthermics will continue our policy of assisting our customers in collecting claims which have been properly filed and actively pursued. Enthermics cannot, however, file any damage claims, assume the responsibility of any claims, or accept deductions in payment for such claims.

Unpacking

1. Carefully remove the appliance from the carton or crate.


NOTE: Do not discard the carton and other packaging material until the appliance has been inspected for hidden damage and tested for proper operation.

2. 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.
3. **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.
4. 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.




Knowledge of proper procedures is essential to the safe operation of electrically energized appliances. 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 the appliance.

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

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

- This blanket warmer is intended for warming **dry**, cotton blankets **only**. No other use for this appliance is authorized or recommended.
- 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.
- Any troubleshooting guides, component views, and parts lists included in this manual are for general reference only and are intended for use by qualified technical personnel.
- This manual should be considered a permanent part of the appliance. This manual and all supplied instructions, diagrams, schematics, parts lists, notices, and labels must remain with the appliance if the item is sold or moved to another location.

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.

CAUTION




The door may swing during transport. Only transport the appliance when the door is closed and secure.



NOTICE: For appliances delivered for use in any location regulated by the following directive (2012/19/EU -WEEE):
Do not dispose of electrical or electronic appliances with other municipal waste.

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

⚠ 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.

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

Preparation



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

General Information

Specifications:

- Single-chamber warming appliance
- 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.
- DC350 & DC750 include a heated center shelf to further optimize heat distribution throughout the cavity
- Four (4) non-skid rubber feet are standard

Electronic Control:

- Adjustable temperature range of 32°C - 71°C (90°F - 160°F)
- Operates in celsius or fahrenheit
- Four digit LED 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:

- LED 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 appliance 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 on the back panel allows the addition of data logging or temperature management hardware.
- Convenience: Stackable configurations are available for additional capacity or to pair with fluid warmers.

DC150

Dimensions (H x W x D)		
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" (520mm x 470mm x 577mm)	
Capacity	1.5 ft ³	
Weight** (est.)	Net: 56 lbs (25 kg)	Ship: 98 lbs (44 kg)

DC250

Dimensions (H x W x D)		
With feet (standard):	21.9" x 18.5" x 25.7" (557mm x 470mm x 653mm)	
With plate and casters (optional):	26.3" x 18.5" x 25.7" (667mm x 470mm x 653mm)	
With bumper and casters (optional):	26.3" x 21.3" x 25.9" (667mm x 540mm x 657mm)	
Capacity	2.5 ft ³	
Weight** (est.)	Net: 67 lbs (30 kg)	Ship: 118 lbs (54 kg)

DC350

Dimensions (H x W x D)		
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)	
Capacity	3.5 ft ³	
Weight** (est.)	Net: 91 lbs (41 kg)	Ship: 146 lbs (66 kg)

DC400

Dimensions (H x W x D)		
With feet (standard):	21.9" x 24.0" x 28.0" (557mm x 610mm x 712mm)	
With plate and casters (optional):	26.1" x 24.0" x 28.0" (664mm x 610mm x 712mm)	
With bumper and casters (optional):	26.2" x 26.8" x 28.9" (665mm x 679mm x 734mm)	
Capacity	4.0 ft ³	
Weight** (est.)	Net: 85-1/2 lbs (439 kg)	Ship: 160 lbs (73 kg)

DC750

Dimensions (H x W x D)		
With feet (standard):	35.4" x 24.0" x 28.0" (900mm x 610mm x 712mm)	
With bumper and casters (optional):	39.3" x 26.8" x 28.0" (997mm x 679mm x 712mm)	
With casters (optional):	40.7" x 24.0" x 28.0" (1033mm x 610mm x 712mm)	
Capacity	7.5 ft ³	
Weight** (est.)	Net: 134 lbs (61 kg)	Ship: 196 lbs (89 kg)

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

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).

CAUTION

Power source must match 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.

Not category AP or APG equipment

Locate Rating Tag



Verify power requirements. The power specification is located on the appliance identification rating tag. This tag is permanently attached to the appliance.



Hazardous Voltage Present

Power Requirements

DC150

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



220 V.A.C. — 50Hz, 1 ph
0.6 kW, 2.7 Amps
Type B Equipment



CEE 7/7*
220-230V Plug

IPX-0

230 V.A.C. — 50 Hz, 1 ph
0.6 kW, 2.6 Amps
Type B Equipment



BS 1363 Plug*
(UK only)



CEE 7/7*
220-230V Plug

DC400

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



220 V.A.C. — 50Hz, 1 ph
0.8 kW, 3.6 Amps
Type B Equipment



CEE 7/7*
220-230V Plug

IPX-0

230 V.A.C. — 50 Hz, 1 ph
0.8 kW, 3.5 Amps
Type B Equipment



BS 1363 Plug*
(UK only)



CEE 7/7*
220-230V Plug

DC250

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



220 V.A.C. — 50Hz, 1 ph
0.6 kW, 2.7 Amps
Type B Equipment



CEE 7/7*
220-230V Plug

IPX-0

230 V.A.C. — 50 Hz, 1 ph
0.6 kW, 2.6 Amps
Type B Equipment



BS 1363 Plug*
(UK only)



CEE 7/7*
220-230V Plug

DC750

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



220 V.A.C. — 50Hz, 1 ph
0.8 kW, 3.6 Amps
Type B Equipment



CEE 7/7*
220-230V Plug

IPX-0

230 V.A.C. — 50 Hz, 1 ph
0.8 kW, 3.5 Amps
Type B Equipment



BS 1363 Plug*
(UK only)



CEE 7/7*
220-230V Plug

DC350

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



220 V.A.C. — 50Hz, 1 ph
0.8 kW, 3.6 Amps
Type B Equipment



CEE 7/7*
220-230V Plug

IPX-0

230 V.A.C. — 50 Hz, 1 ph
0.8 kW, 3.5 Amps
Type B Equipment



BS 1363 Plug*
(UK only)



CEE 7/7*
220-230V Plug

Wire diagram is located under top lid of appliance.

Grounding reliability can only be achieved when appliance 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 61010-1 and CAN/CSA C22.2 No. 61010-1.



For CE approved appliances: To prevent an electrical shock hazard between the appliance and other appliances or metal parts in close vicinity, an equalization-bonding stud is provided. An equalization bonding lead must be connected to this stud and the other appliances/metal parts to provide sufficient protection against potential difference. The terminal is marked with the following symbol.



*Other international plugs are available, contact factory for more information.

Guidance and Manufacturer’s Declaration



The appliance 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.

may result if the power cord attached is altered or a manufacturer supplied power cable is not used.

The appliance 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.

The essential performance of the appliance 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.

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

A risk of increased emissions or decreased immunity

Electromagnetic Emissions

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

Emissions test	Compliance	Electromagnetic environment - guidance
RF emissions; CISPR 11	Group 1	The appliance 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 appliance 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	

Electromagnetic Immunity


The appliance is intended for use in the electromagnetic environment specified below. The customer or the end user of this appliance 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 appliance 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 appliance requires continued operation during power mains interruptions, it is recommended that the appliance 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.

Electromagnetic Emissions

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

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Conducted RF IEC 61000-4-6	3 V/m 150 kHz to 80 MHz	3 V/m	Portable and mobile RF communications equipment should be used no closer to any part of the appliance, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d = [3.5/3] \sqrt{P}$ $d = [3.5/3] \sqrt{P}$ 80 MHz to 800 MHz $d = [7/3] \sqrt{P}$ 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: 
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	

NOTE: 1. At 80 MHz and 800 MHz, the higher frequency range applies. 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 appliance is used exceeds the applicable RF compliance level above, the appliance should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the appliance.
- b. Over the frequency range 150 kHz to 80 MHz, field strengths should be less than [VI] V/m.

Electromagnetic Immunity Recommended Separation Distance Between Portable And Mobile RF Communications Equipment And This Unit.

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

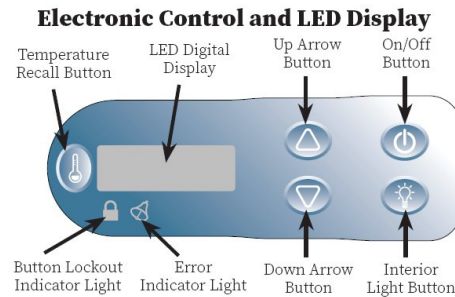
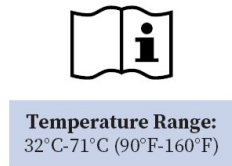
Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d = \left[\frac{3.5}{3} \right] \sqrt{P}$	80 MHz to 800 MHz $d = \left[\frac{3.5}{3} \right] \sqrt{P}$	800 MHz to 2.5 GHz $d = \left[\frac{7}{3} \right] \sqrt{P}$
0.01	0.117	0.117	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. 2. These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.


Blanket Electronic Control Features

The following refers to features that are available when the electronic control is powered on.




Electronic Control Panel


On/Off Button


 Press the **On/Off** button to power on the electronic control. Press and hold the **On/Off** button for three (3) seconds to power the electronic control off.

Interior Light Button


 Press the **Interior Light** button to toggle blue interior LED light intensity to high, low, or off.

Up Arrow/Down Arrow Buttons

 Used to increase or decrease the temperature set-point. Additionally used to set the current 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.

LED Digital Display


The control has a four-digit LED display.

LED Display Status Indicators


Error Indicator Light

 This indicator will illuminate and an alarm will sound if the electronic control senses an error has occurred (see troubleshooting guide). The alarm can be muted by pressing the on 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 appliance is still experiencing an error and may need service.

Button Lockout Indicator Light

 The electronic control can be locked so that no changes can be made to the temperature set-point or the mode selection. Press and hold the **On/Off** button and the **Up Arrow** button at the same time. The lock indicator will illuminate. Attempts to operate the on/off button, or to change the temperature set-point will be unsuccessful. To unlock the electronic control, press and hold the **On/Off** button and the **Down Arrow** button at the same time. The electronic control will unlock, and the lock indicator will go out.

Power Fail Detection

If the power were to fail for any reason while electronic control is powered on, the electronic control will retain in memory its current operating state. When the power is restored, the electronic control alarms once and resumes operating in its previously set mode. The on/off status indicator will blink, alerting the operator that such an event has occurred. Press the **On/Off** button once to acknowledge that the power has been restored.

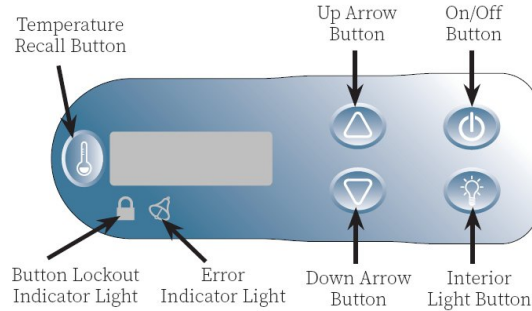
NOTE: *If the timer option is installed, the appliance must be off for more than 60 seconds to signal a power failure alarm. When acknowledging a power interruption, the display will show the length of time in hours and minutes that the control has been off due to the power outage.*

Blanket Electronic Control Features (continued)



Temperature Range:
32°C-71°C (90°F-160°F)

Electronic Control and LED Display



Temperature Format Selection

- While the electronic control is in off state, press and hold the **Temperature Recall** button for four (4) seconds to display the current temperature scale. Press the **Up Arrow** or **Down Arrow** buttons to switch between °F (fahrenheit) or °C (celsius).

Sound Function

(Prior to September 2015)

- The sound function can be turned on or off.
- 1. While the appliance is off, press and hold the **Down Arrow** button for four (4) seconds.
- 2. The display will indicate the current sound status, 0 (off) or 1 (on). Press the **Up Arrow** or **Down Arrow** button to toggle between the two choices.

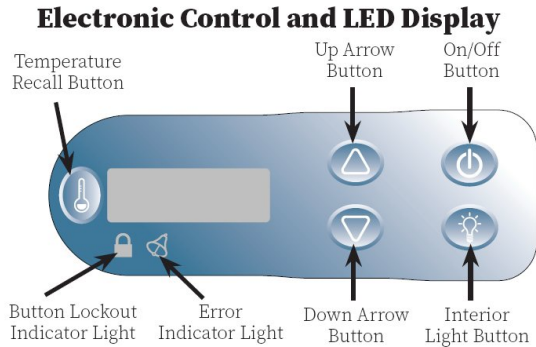
(After September 2015)

The sound volume can be changed:

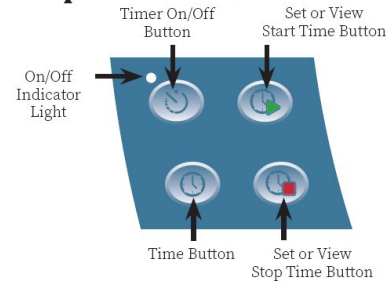
- 1. While the appliance is on, press the **Temperature Recall** button and the **Down Arrow** button to display the current volume setting. Release.
- 2. Press the **Up Arrow** or **Down Arrow** button to adjust the volume. Volume settings range from 0 (mute) to 12 (loud).

NOTE: The alarm volume is set at the maximum (12) and can not be disabled.

Optional Timer Control Feature



Optional Timer Control



NOTE: If the appliance is not equipped with this optional automated timer feature or it is not in use this section can be skipped.

The appliance time must be manually reset for daylight saving time.

The times are 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, the display will reset after five (5) seconds of inactivity.

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





The timer option must be off to reset the appliance time.

An E-60 error is displayed if the clock is not set or the control has been off too long and the memory has become corrupted.

Timer Control Panel

-  Press the **Timer On/Off** button to initiate the automatic start/stop timer operation. The on/off indicator light next to this button will illuminate when the timer is turned on.
-  Press the **Time** button to view the current time, date, and day and initiate changes to the settings.
-  Press the **Start Time** button to view the current automatic start time and initiate changes to the set time.
-  Press the **Stop Time** button to view the current automatic stop time and initiate changes to the set time.

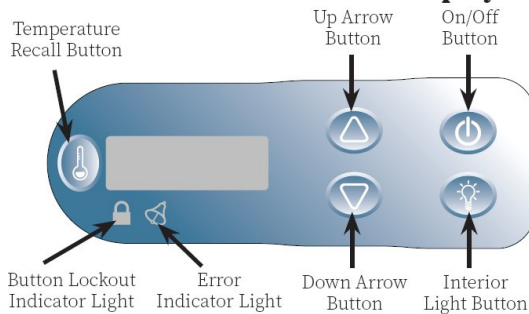
Resetting the Time

1. **Acknowledge E-60 error**
 -  a. Press the **Time** button to acknowledge the E-60 error displayed when the control has been inactive.
2. **View and adjust time**
 -  a. Press and hold the **Time** button for four (4) seconds until the auto-timer on/off indicator light blinks slowly and the display shows the current set time.
 -  b. Press the **Up Arrow** or **Down Arrow** button to adjust the time in increments of one (1) minute or press and hold the **Up Arrow** or **Down Arrow** button to adjust the minutes more quickly.
3. **View and adjust year**
 -  a. Press the **Time** button again to view or set the year.
 -  b. Press the **Up Arrow** or **Down Arrow** button to adjust the year. The year will always adjust by one (1).
4. **View and adjust date**
 -  a. Press the **Time** button again to view or set the date.
 -  b. Press the **Up Arrow** or **Down Arrow** button to adjust the date.
5. **View and adjust day code (optional)**
 -  a. Press the **Time** button again to set the day code (d1-d7).
 -  b. Press the **Up Arrow** or **Down Arrow** button to adjust the day code.

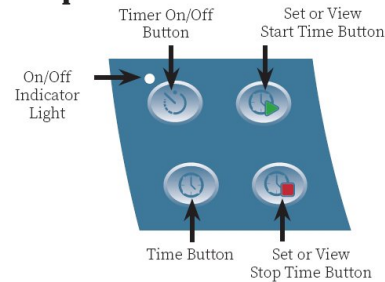
NOTE: Setting the day code is optional unless the user configures the auto-timer to start or stop at a different time for each day of the week. Typically Monday=d1, Tuesday=d2, etc.

Optional Timer Control Feature (continued)

Electronic Control and LED Display



Optional Timer Control



Same Start and Stop Times for the Week

Note: The timer option must be off to set the start time. Activating this mode overrides all individual day programming.

1. View and adjust start time

- Press the **Start Time** button to view the start time for that day.
- 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 blink slowly.
- Press the **Up Arrow** or **Down Arrow** button to change the default start time minutes. Press and hold the **Up Arrow** or **Down Arrow** button to adjust the hour.

2. View and adjust stop time

- Press the **Stop Time** button to view the stop time for that day.
- 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 blink slowly.
- Press the **Up Arrow** or **Down Arrow** button to change stop time. Press and hold the **Up Arrow** or **Down Arrow** button to adjust the hour.

- 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.

Different Start and Stop Times for Each Day of the Week

1. View and adjust specific day

- Press and hold the **Time** button for eight (8) seconds. The on/off indicator light will blink rapidly. The display will show the current day.
- Adjust the day by pressing the **Up Arrow** or **Down Arrow** button.

2. View and adjust start time for that day

- Press the **Stop Time** button to display the start time for that day.
- Press the **Up Arrow** or **Down Arrow** button to adjust the automatic start time.

3. View and adjust stop time for that day

- Press the **Stop Time** button to display the start time for that day.
- Press the **Up Arrow** or **Down Arrow** button to adjust the automatic stop time.

4. Repeat steps 1-3 for each day of the week

- 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.

WARNING



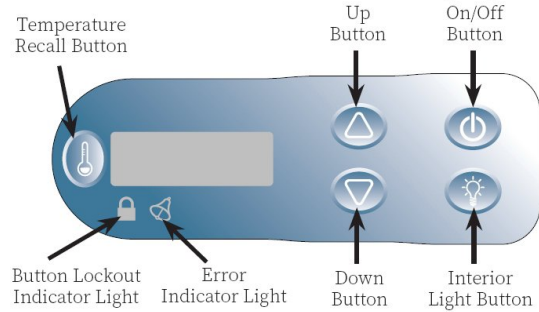
To prevent personal injury or property damage: Blanket support assembly and shelf must be in place to prevent the blankets from being scorched or discolored.

NOTICE: Do not use flammable appliance cleaning agents or blanket cleaning agents that cause fabric to become brittle over time.

To enable the appliance to function properly, do not overload the interior. Blankets must not exceed the height of the support assembly. Allow 1" (25mm) gap between the top interior walls or shelf and the blankets.



Electronic Control and LED Display






Blanket Chamber Operation Procedures



Load blankets only to the top of the blanket support assembly.



Door Latch


1. **Plug appliance in with supplied cord.** The appliance must be plugged into an appropriate hospital grade receptacle as specified on the electrical information page.
2. **Push the power circuit breaker switch to the on (I) position.** The rocker-type switch is located at the back of the appliance.
3.  **Activate the control** by pressing the **On/Off** button on the control panel on the front of the appliance. The digital display indicates the last temperature set-point of compartment.
4.   **Set the desired temperature.** Press and hold the **Up Arrow** or **Down Arrow** button to change the value shown in the display. The temperature set-point range is 32°C - 71°C (90°F - 160°F).

NOTE: Switching from a higher temperature setting to a lower setting may cause an unwanted alarm.

5. **Push the door latch on the control interface to open the door.**
6. **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 support assembly and shelf is in place. This blanket support assembly and shelf **must** be used to hold blankets. A full load of blankets takes two to three hours to reach optimum temperature. Make sure that the appliance door is securely closed during use.
7. **Rotate load of blankets daily.** Rotate the blankets at the bottom of the load to the top to ensure equal usage. Failure to rotate the blankets can cause the blankets to discolor.



⚠ 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)

⚠ WARNING

 To prevent serious injury, death, or property damage, **always** disconnect appliance from power source before cleaning or servicing.

NO SCRAPERS **NO WIRE BRUSHES** **NO STEEL PADS**

NOTICE: To protect surfaces, **never** use 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. Failure to observe this precaution will void the warranty.

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 abrade surfaces causing damage to this protective coating and eventually result in areas of corrosion. Even water, particularly hard water that contains high to moderate concentrations of chloride, causes oxidation and pitting that results in rust and corrosion. In addition, many acidic spills left to remain on metal surfaces are contributing factors in corroded 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.

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 voids the warranty. Always use the proper cleaning agent at the manufacturer's recommended strength. Contact a 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.

Cleaning the Appliance

1. Disconnect the appliance from the power source.
2. Remove all detachable items such as the insert assembly. Clean these items separately.
3. Clean the interior metal surfaces of the appliance 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 the door open until the interior is completely dry.
4. Wipe the interior with a sanitizing solution after cleaning and rinsing. This solution must be approved for use on stainless steel surfaces. Replace the support assembly.
5. Wipe down the exterior of the appliance with an appropriate cleaner recommended for the surface material.
6. Clean any window glass with a standard commercial glass cleaner.
7. Wipe the control panel, door vents, door handle or door button, 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.

Preventative Maintenance Checklist

<p>Daily Checklist:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Is the operation and care manual available? <input type="checkbox"/> Has everyone been properly trained in the operation and safety instructions of this appliance? <input type="checkbox"/> Do not overload the appliance. Blankets must not exceed the height of the support assembly. Allow 1" (25mm) gap between the top interior walls or shelf and the blankets.
<p>Weekly Checklist:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Inspect the condition of the plug and cord and replace if damaged. <input type="checkbox"/> Remove the inserts and wash separately, set aside to dry before placing back into the appliance. <input type="checkbox"/> Blow dust from the interior, the outer vents and around the top of bonnet. <input type="checkbox"/> Wipe down the interior. <input type="checkbox"/> Check that the electronic control LEDs illuminate.* <input type="checkbox"/> Check that the interior LED illuminates (if applicable).* <input type="checkbox"/> Check the insert assembly. Check the blanket support assembly and the shelf. Is the assembly in place? Are any pieces missing?*
<p>Monthly Checklist:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Check the integrity of the door gasket. Are there any tears? Is the gasket worn or loose? Ensure that the seal is tight to the body. Replace the gasket if the integrity is compromised.* <input type="checkbox"/> Check the air temperature sensor mounted in the interior of chamber. Is the guard in place and is it fully secured to the appliance? <input type="checkbox"/> Check the condition of the casters or feet. Are the components secure and tightly threaded? <input type="checkbox"/> Check the control panel overlay condition. Are there any tears or excessive wear on the graphic? Does the control work properly when the buttons are pushed?* <input type="checkbox"/> Check the condition of the stacking hardware (if applicable), making sure the mounting bolts and the hardware are secure.
<p>Six-month Checklist:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Is the set-point 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 interior. Note: Blanket warmer temperature may fluctuate $\pm 10^\circ$ from set point.

***Contact service for immediate repair.**

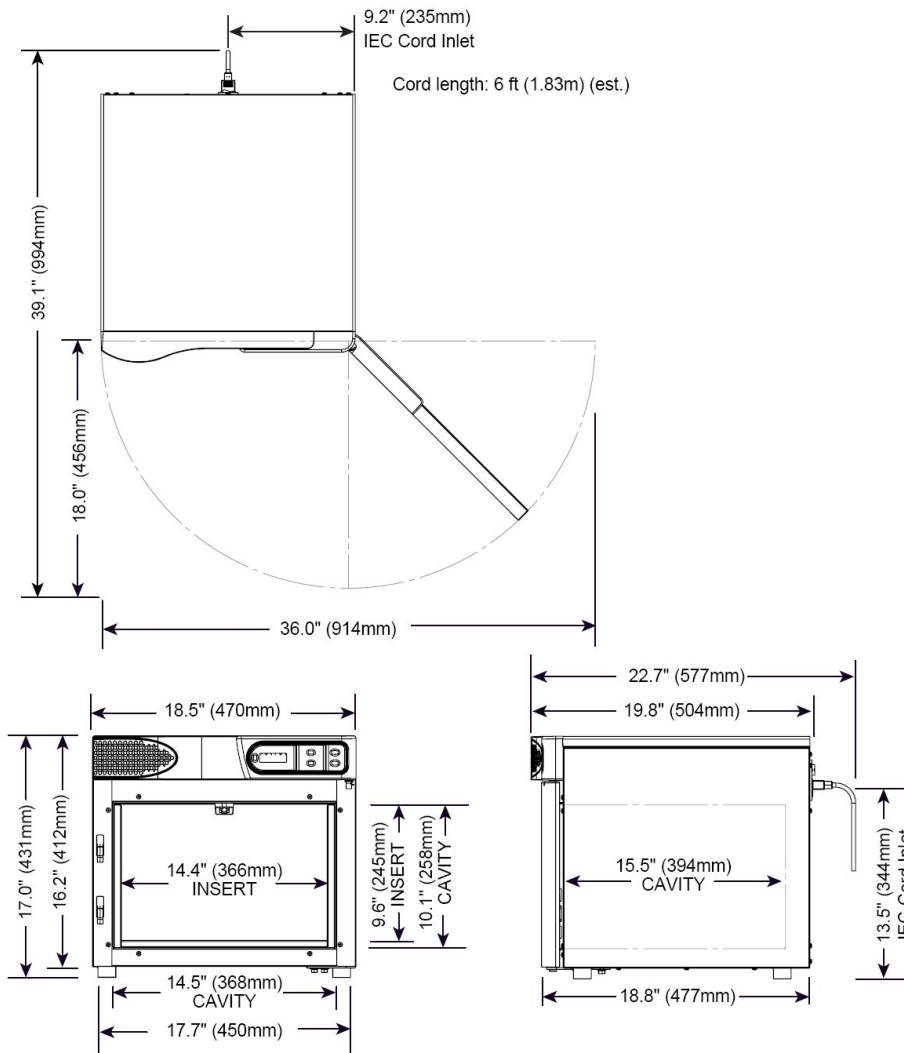
Dimension Drawings

DC150 with standard feet

Dimensions (H x W x D)		
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" (520mm x 470mm x 577mm)	
Capacity	1.5 ft ³	
Weight** (est.)	Net: 56 lbs (25 kg)	Ship: 98 lbs (44 kg)

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

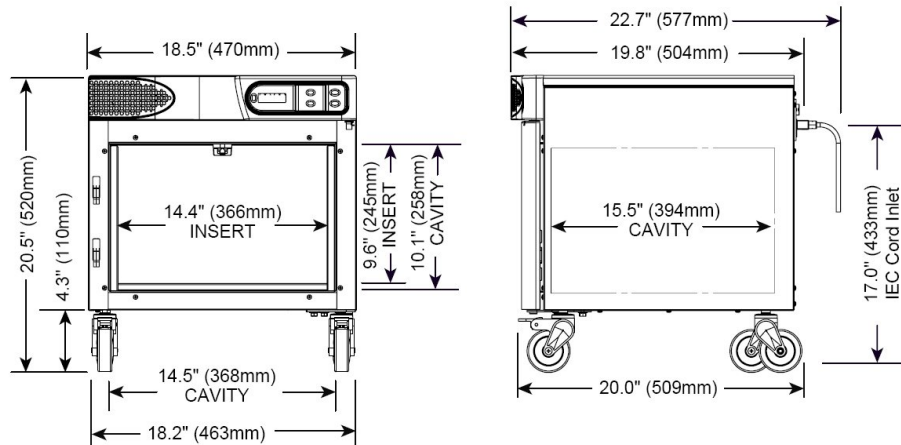
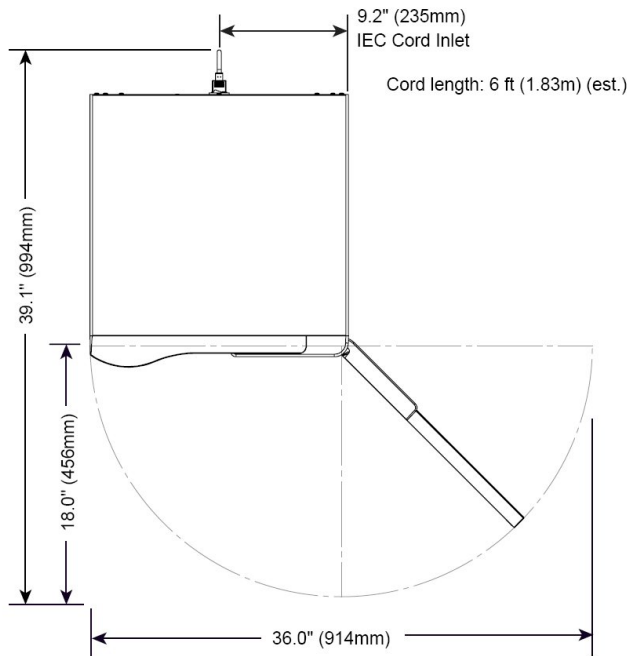
**Domestic ground shipping information. Contact factory for export weight and dimensions.



DC150 with optional casters

#5012693 – 3" (76mm) casters (2 swivel, 2 swivel with brake)

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



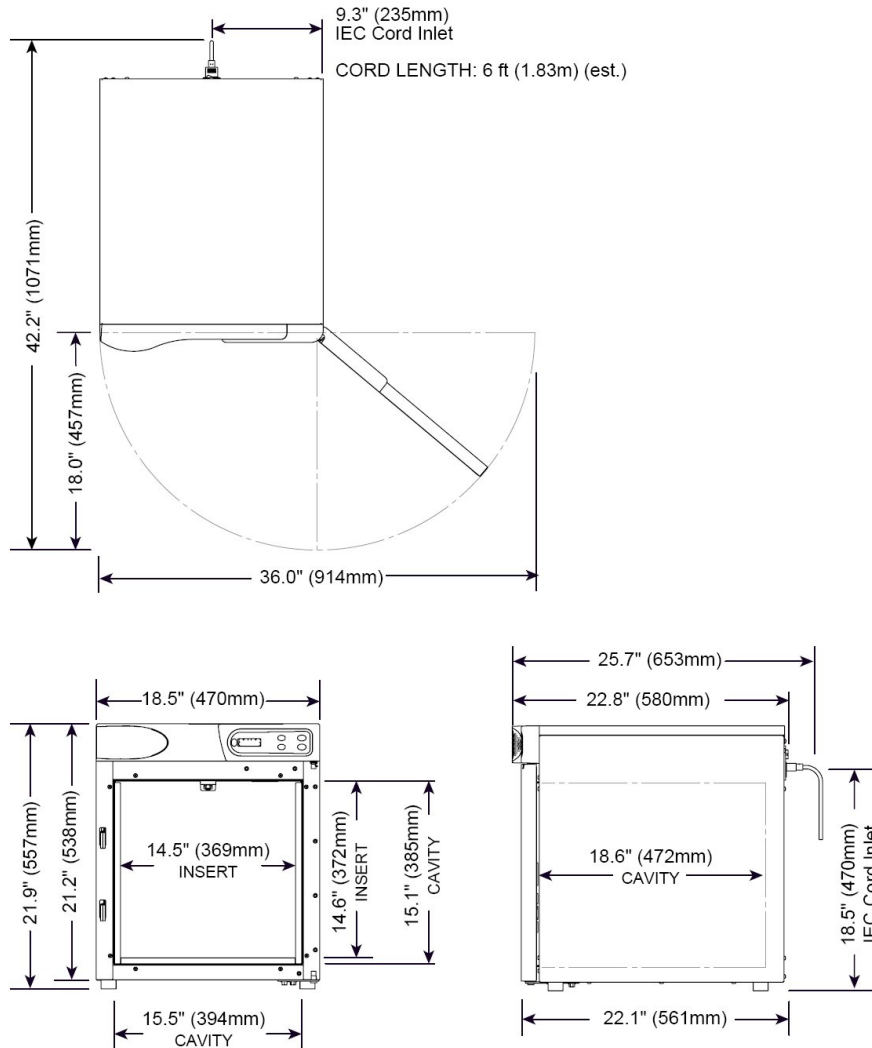
Dimension Drawings

DC250 with standard feet

Dimensions (H x W x D)	
With feet (standard):	21.9" x 18.5" x 25.7" (557mm x 470mm x 653mm)
With plate and casters (optional):	26.3" x 18.5" x 25.7" (667mm x 470mm x 653mm)
With bumper and casters (optional):	26.3" x 21.3" x 25.9" (667mm x 540mm x 657mm)
Capacity	2.5 ft ³
Weight** (est.)	Net: 67 lbs (30 kg) Ship: 118 lbs (54 kg)

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

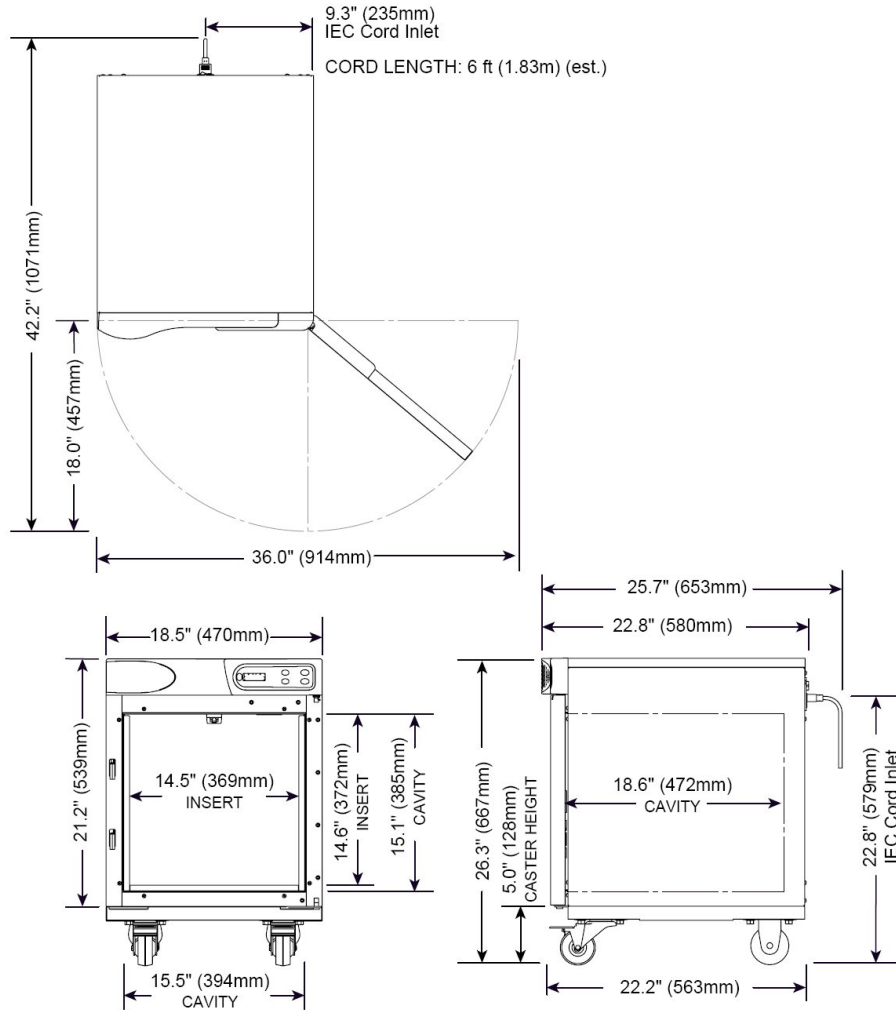
**Domestic ground shipping information. Contact factory for export weight and dimensions.



DC250 with optional plate and casters

#5017542 (white epoxy coated) - 3" (76mm) casters (2 rigid, 2 swivel with brake)
 #5017544 (stainless steel) - 3" (76mm) casters (2 rigid, 2 swivel with brake)

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



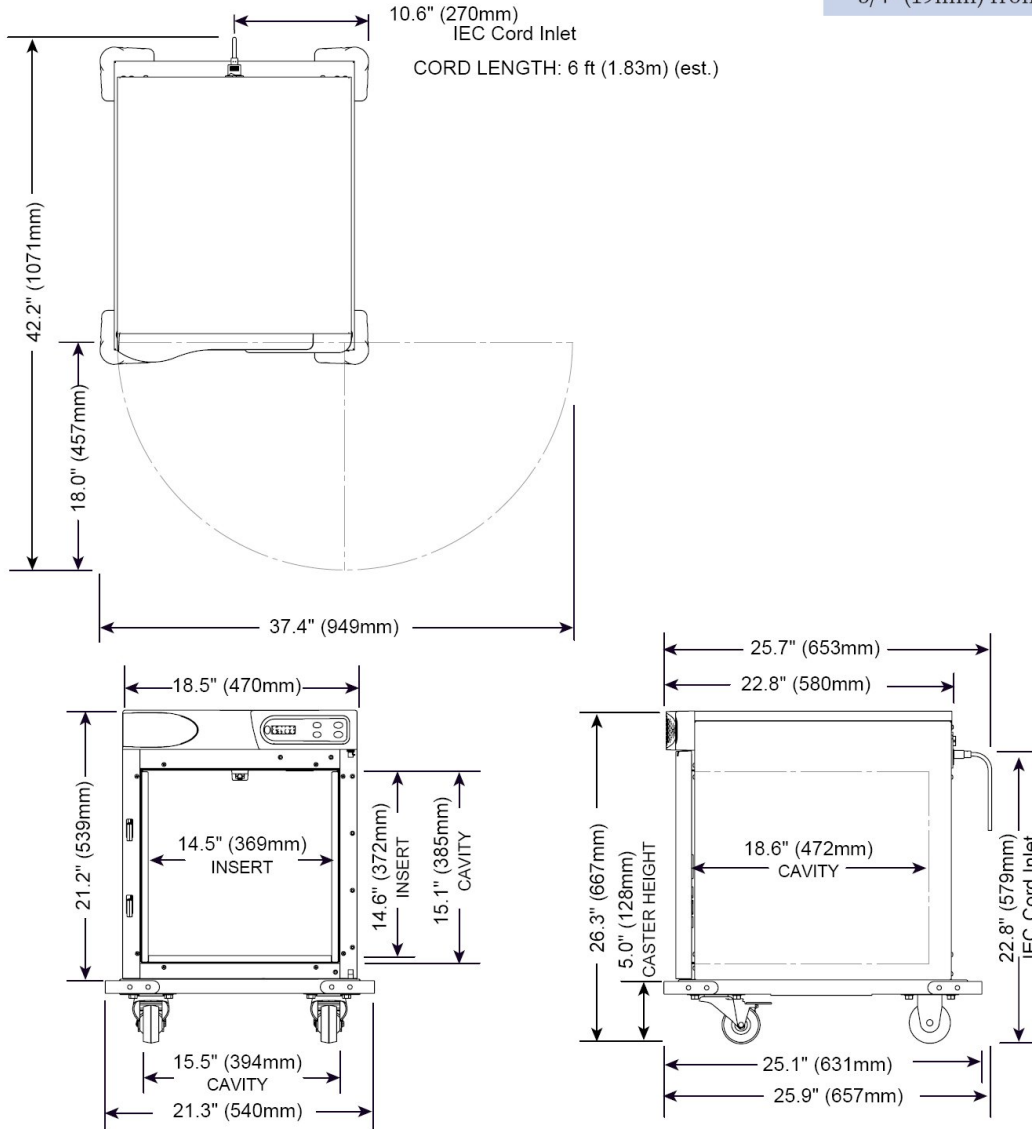
Dimension Drawings



DC250 with optional bumpers and casters

#5017546 (white epoxy coated) - 3" (76mm) casters (2 rigid, 2 swivel with brake)
 #5017548 (stainless steel) - 3" (76mm) casters (2 rigid, 2 swivel with brake)

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

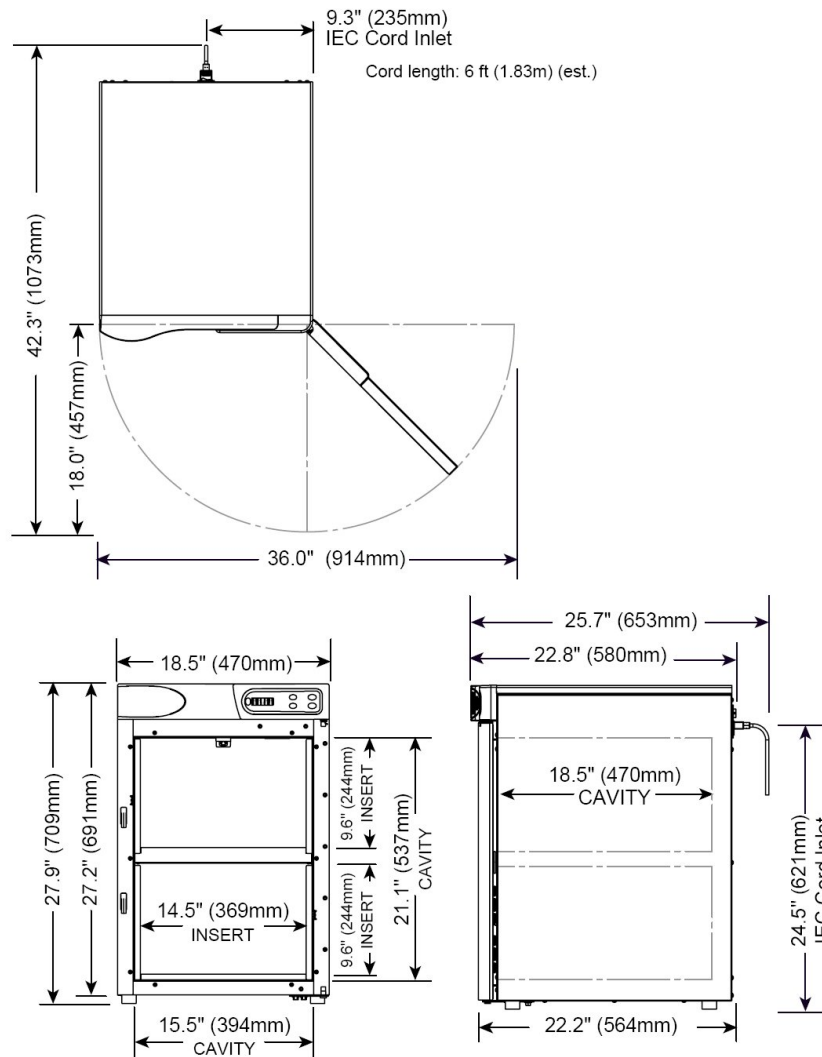


DC350 with standard feet

Dimensions (H x W x D)	
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)
Capacity	3.5 ft ³
Weight** (est.)	Net: 91 lbs (41 kg) Ship: 146 lbs (66 kg)

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

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



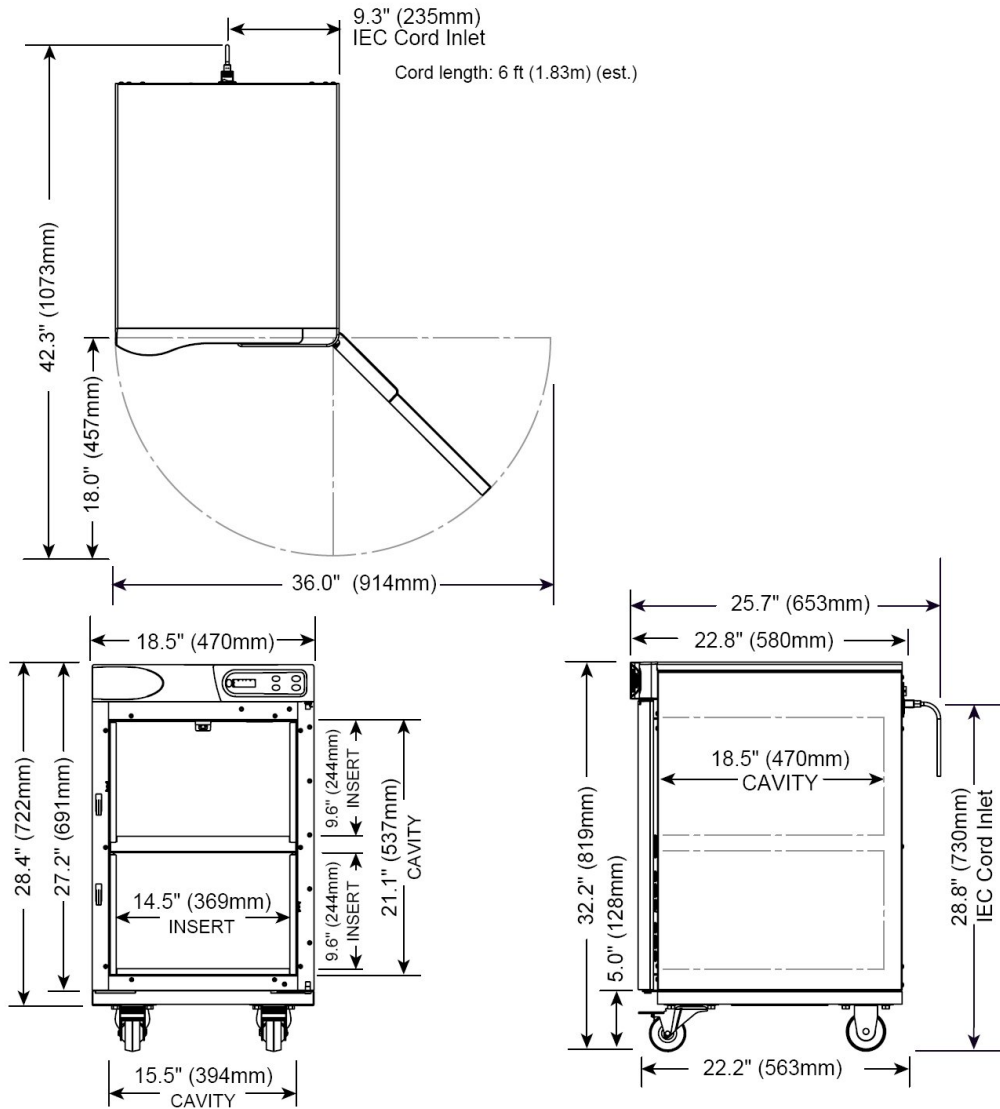
Dimension Drawings



DC350 with optional plate and casters

#5017542 (white epoxy coated) - 3" (76mm) casters (2 rigid, 2 swivel with brake)
 #5017544 (stainless steel) - 3" (76mm) casters (2 rigid, 2 swivel with brake)

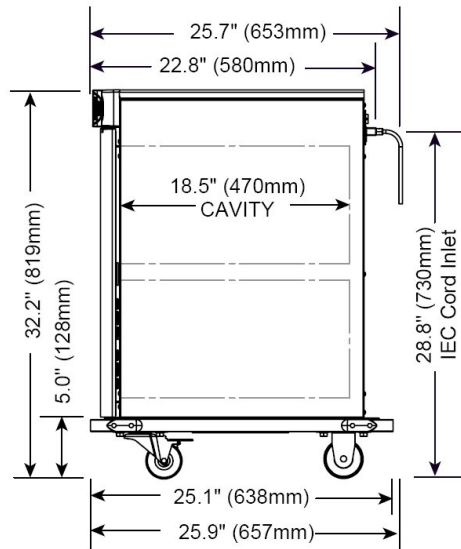
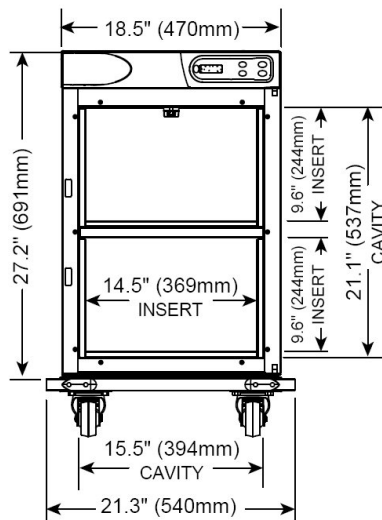
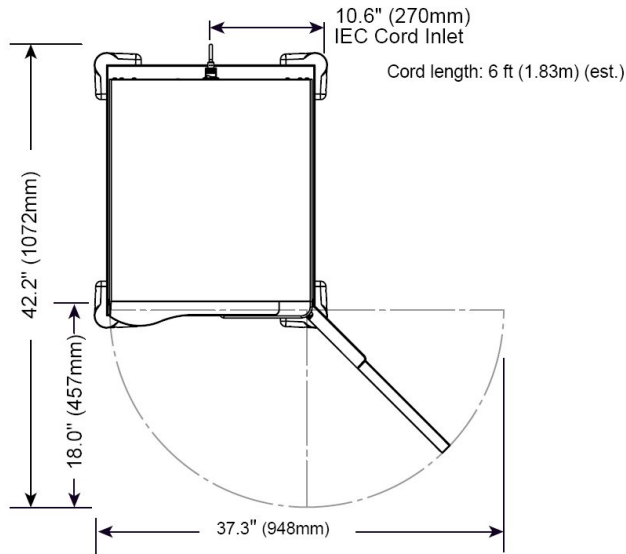
Clearance requirements:
 3" (76mm) from rear
 1" (25mm) from top and sides
 3/4" (19mm) from bottom



DC350 with optional bumpers and casters

#5017546 (white epoxy coated) – 3" (76mm) casters (2 rigid, 2 swivel with brake)
 #5017548 (stainless steel) – 3" (76mm) casters (2 rigid, 2 swivel with brake)

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



Dimension Drawings

DC400 with standard feet

Dimensions (H x W x D)

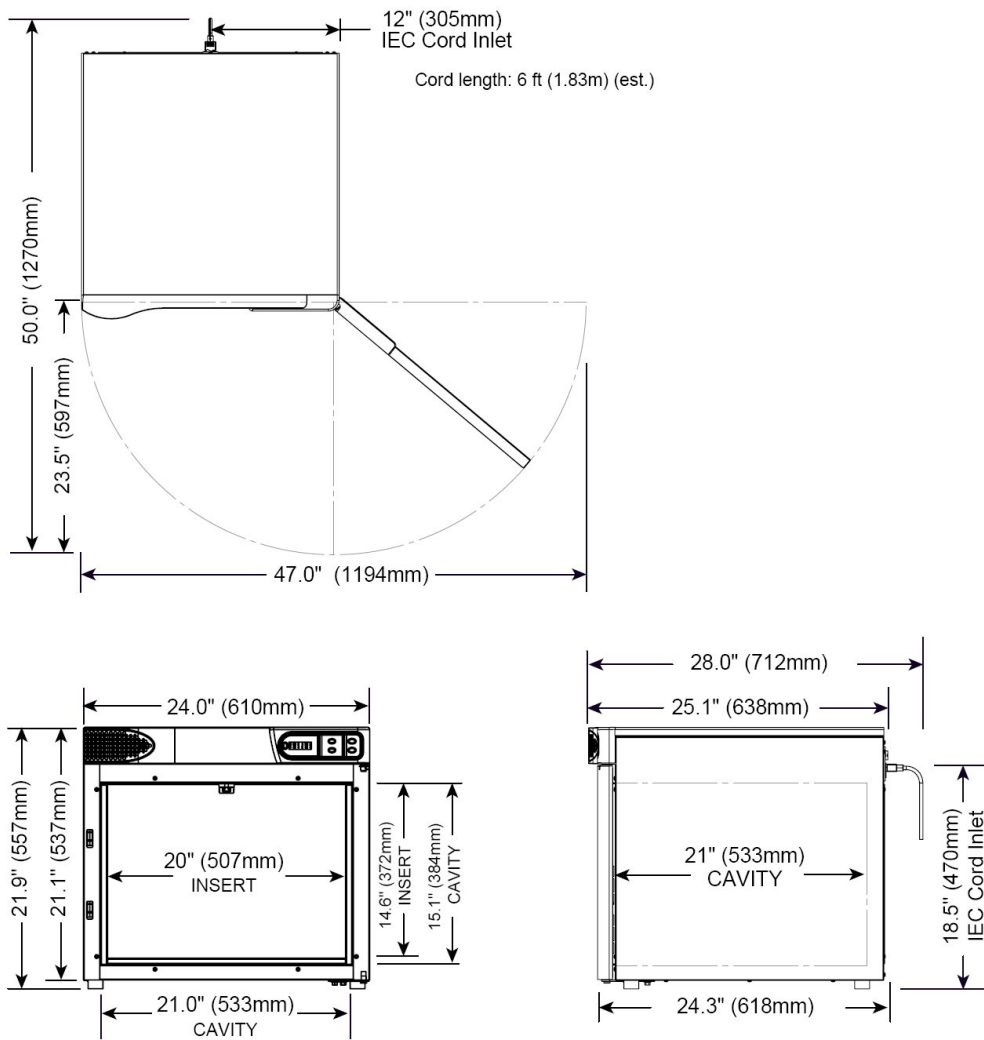
With feet (standard):	21.9" x 24.0" x 28.0" (557mm x 610mm x 712mm)
With plate and casters (optional):	26.1" x 24.0" x 28.0" (664mm x 610mm x 712mm)
With bumper and casters (optional):	26.2" x 26.8" x 28.9" (665mm x 679mm x 734mm)

Capacity 4.0 ft³

Weight** (est.) Net: 85-1/2 lbs (439 kg) Ship: 160 lbs (73 kg)

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

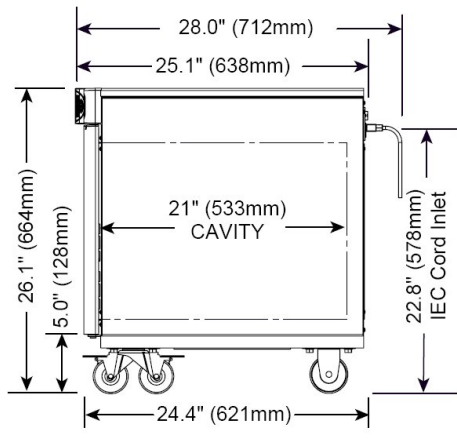
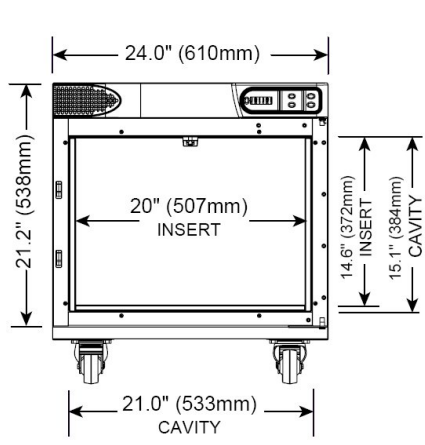
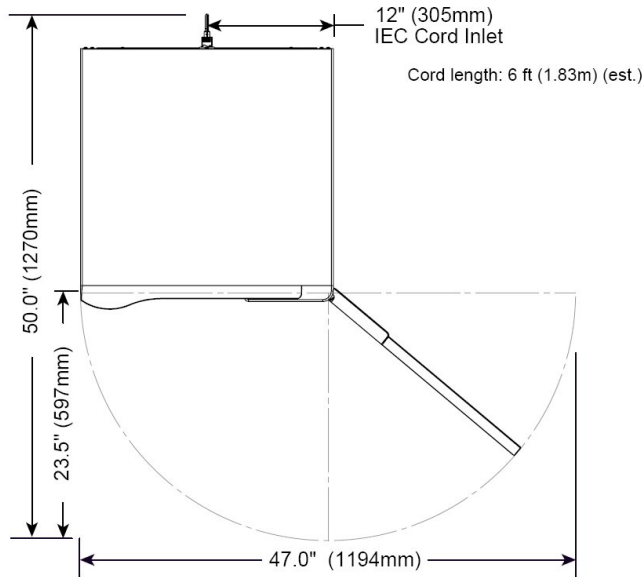
**Domestic ground shipping information. Contact factory for export weight and dimensions.



DC400 with optional plate and casters

#5017543 (white epoxy coated) – 3" (76mm) casters (2 rigid, 2 swivel with brake)
 #5017545 (stainless steel) – 3" (76mm) casters (2 rigid, 2 swivel with brake)

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

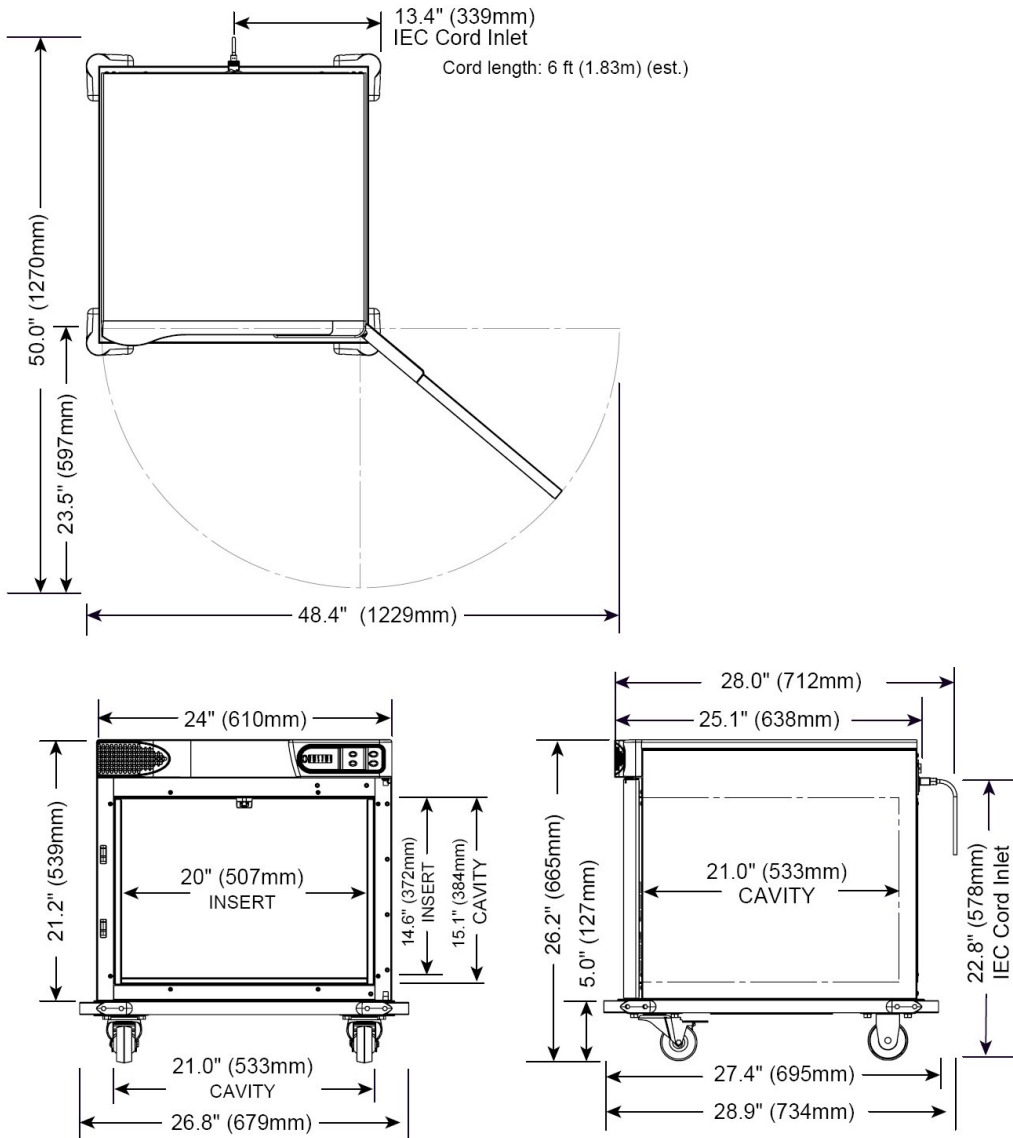


Section Title

DC400 with optional bumpers and casters

#5017547 (white epoxy coated) – 3" (76mm) casters (2 rigid, 2 swivel with brake)
 #5017549 (stainless steel) – 3" (76mm) casters (2 rigid, 2 swivel with brake)

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

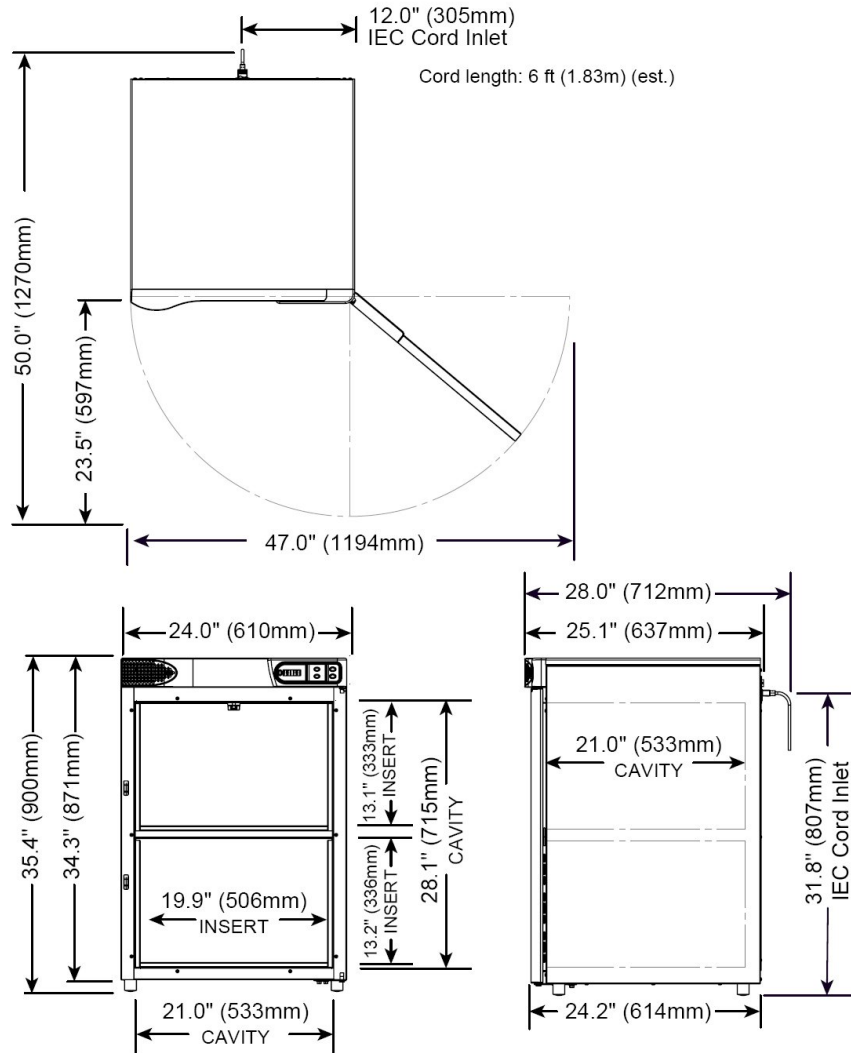


DC750 with standard feet

Dimensions (H x W x D)	
With feet (standard):	35.4" x 24.0" x 28.0" (900mm x 610mm x 712mm)
With bumper and casters (optional):	39.3" x 26.8" x 28.0" (997mm x 679mm x 712mm)
With casters (optional):	40.7" x 24.0" x 28.0" (1033mm x 610mm x 712mm)
Capacity	7.5 ft ³
Weight** (est.)	Net: 134 lbs (61 kg) Ship: 196 lbs (89 kg)

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

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

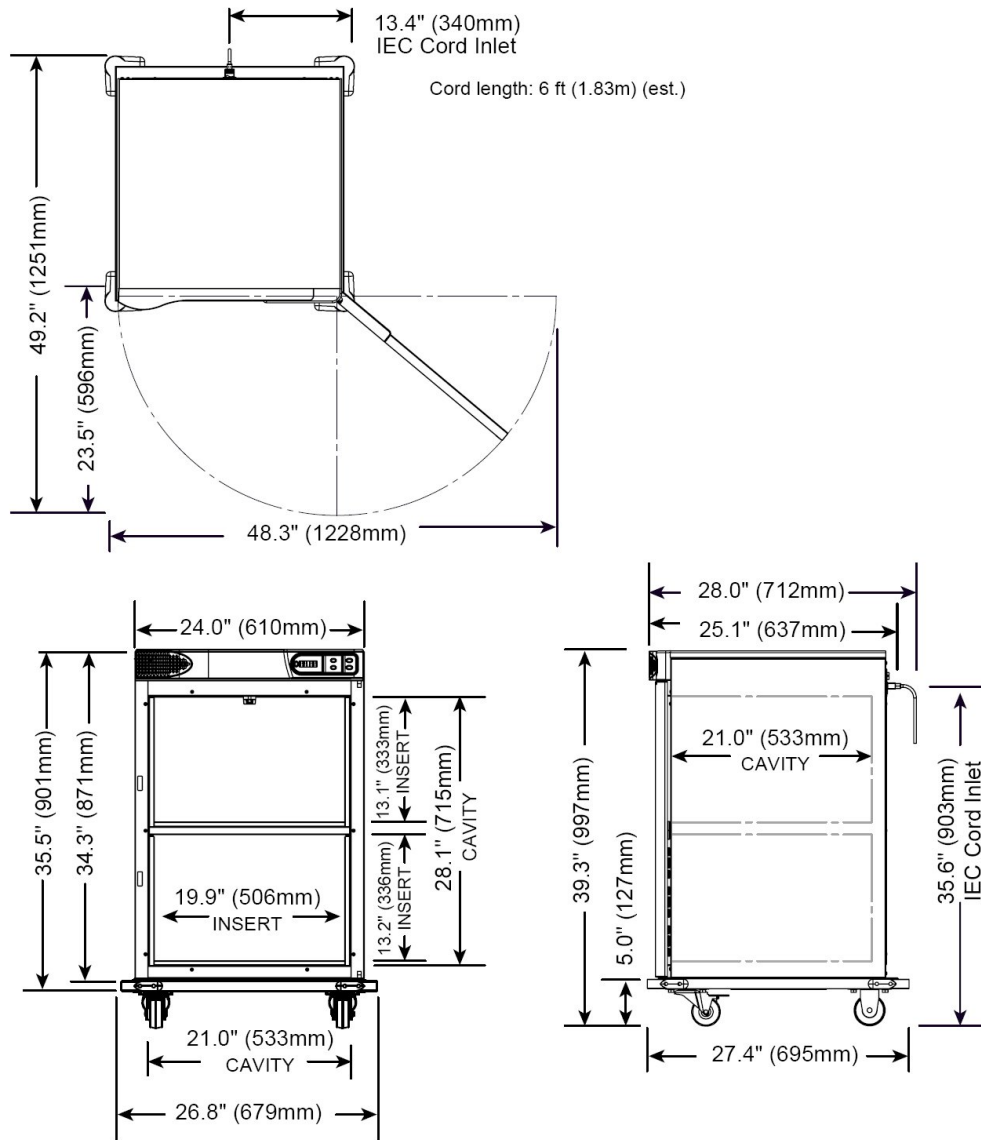


Dimension Drawings

DC750 with optional bumpers and casters

#5017547 (white epoxy coated) - 3" (76mm) casters (2 rigid, 2 swivel with brake)
 #5017549 (stainless steel) - 3" (76mm) casters (2 rigid, 2 swivel with brake)

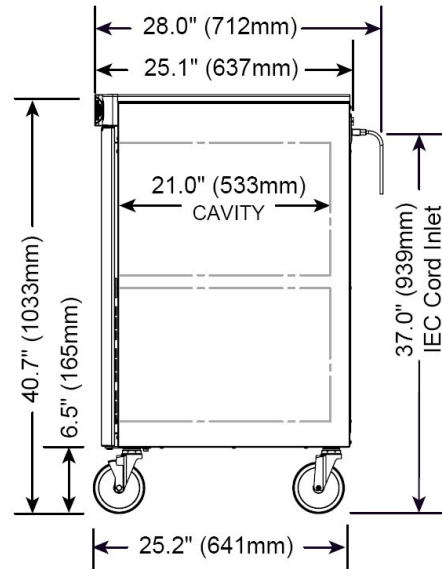
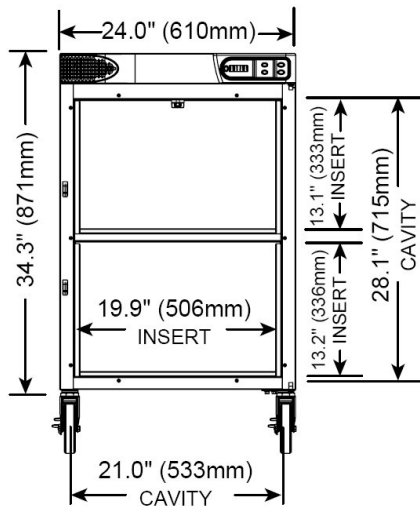
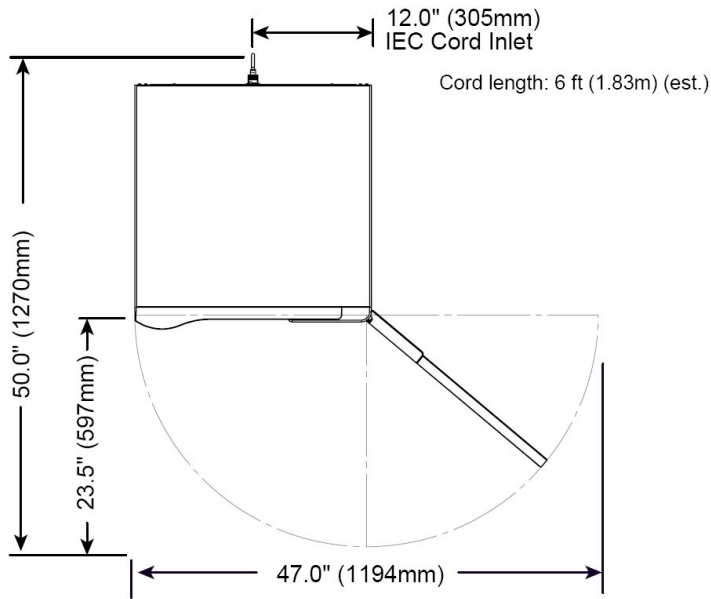
Clearance requirements:
 3" (76mm) from rear
 1" (25mm) from top and sides
 3/4" (19mm) from bottom



DC750 with optional casters

#5018646 – 3" (76mm) casters (2 swivel, 2 swivel with brake)

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





This section is provided for the assistance of qualified and trained service technicians only and is not intended for use by untrained or unauthorized service personnel. Failure to observe this precaution may void the warranty.

NOTE: If the appliance is not operating properly, check the following before calling an authorized service agent:

- Check the power applied to the appliance. Verify female end of plug is securely seated in appliance and that the male end of plug is in an appropriate, functioning outlet.
- Check the fuses. See **fuse replacement instructions**.

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 at the rear of the appliance off and allowing the appliance to cool.

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 appliance.

Blanket warmer temperature may fluctuate $\pm 10^\circ$ from set point.

Serial number is required for all inquiries.

Troubleshooting Guide

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. Acknowledge error by pressing on/off button. If error persists, a qualified service technician should test the sensor. <ul style="list-style-type: none"> • Test the sensor. Detach the sensor from appliance. Use an Ohm meter to measure the resistance of the sensor. Check the sensor at 25°C (77°F). If the reading is 10 KOhm ± 1.5 KOhm, replace the display. If the reading is ± 2 KOhm, replace sensor. • Check the 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. Acknowledge error by pressing on/off button. If error persists, a qualified service technician should test the sensor. <ul style="list-style-type: none"> • Test the sensor. Detach the sensor from appliance. Use an Ohm meter to measure the resistance of the sensor. Check the sensor at 25°C (77°F). If the reading is 10 KOhm ± 1.5 KOhm, replace the display. If the reading is ± 2 KOhm, replace sensor. • Check the 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. Acknowledge error by pressing on/off button. If error persists, a qualified service technician should test the heater pad(s). <ul style="list-style-type: none"> • Turn appliance 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: black to black wire = 251 to 291 Ohms black to white wire = 126 to 145 Ohms • Call service if error persists.
*E-31	Cavity sensor	<ul style="list-style-type: none"> • Sensor reading is above temperature set-point. [Blanket Warmer triggers at 15° over set point. Fluid Warmers trigger at 5° 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 <ul style="list-style-type: none"> • Software disengages heating pads. • Acknowledge error by pressing on/off button. • Allow appliance to cool. • Call service if error persists.


* 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 at the rear of the appliance off and allowing the appliance to cool.

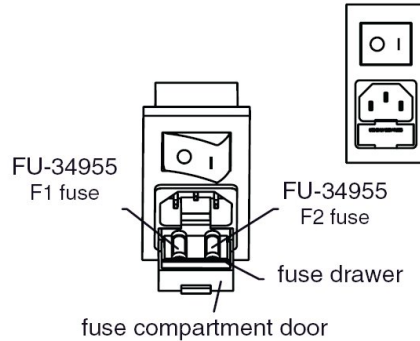
Code	Refers to	Action Required
*E-33	Cavity sensor	<ul style="list-style-type: none"> • Sensor reading is above maximum allowable temperature set-point and over temp value. [Blanket Warmers trigger at 82°C (180°F). Fluid Warmers trigger at 71°C (160°F).] • Contact service
*E-50	Analog to Digital Convertor Error	<ul style="list-style-type: none"> • Remove inventory, discard if necessary, and allow appliance to cool down. • If error persists after cool down and reset, the control assembly should be replaced by a qualified service technician. Contact service.
E-60	Real Time Clock Checksum Error <i>(Blanket Warmers Only)</i>	Real time clock rechargeable battery backup has discharged. <ul style="list-style-type: none"> • Plug appliance into outlet for 30 minutes. • See Timer Control Feature section in blanket manual to reset clock.
*E-61	Real Time Clock <i>(Blanket Warmers Only)</i>	Real time clock not responding. Call service if error persists.
E-62	Real Time Clock <i>(Blanket Warmers Only)</i>	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. [Blanket Warmers: 1.5ft ³ , 2.5ft ³ = 3 pads, 3.5ft ³ , 4.0ft ³ , 7.5ft ³ = 4 pads. Fluid Warmers: 2.5ft ³ & 4.0ft ³ = 3 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. <ul style="list-style-type: none"> • 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.
E-95	Factory Test pin short detected.	Ensure that debris is not causing a short between the test pins. If the pins are good, replace the control.
*E-98	Temperature Delta Error	Temperature of the cavity sensors 1 and 2 differ by more than 1.7°C (3°F). <ul style="list-style-type: none"> • Remove product and allow the appliance to cool down. • Verify that the product sensor is clean and operating correctly. • Press the 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	<ul style="list-style-type: none"> • Inspect the connections and condition of high limit bimetal thermostat. • If error continues call service.
*EFAn	Fan or Fan Sensor Failure <i>(Fluid Warmers Only)</i>	<ul style="list-style-type: none"> • If the fan is operating, make sure the lens on the sensor is not blocked or dirty. • If error persists after the sensor is cleaned, use an Ohm meter to ensure that the sensor wires are good. A good wire will have a reading of <1 Ohm. • If the wires are good, replace the sensor. • If the error persists after replacement, check the sensor mount location. • If the error still persists, replace the control.

Serial number is required for all inquiries.

Part numbers and drawings are subject to change without notice.

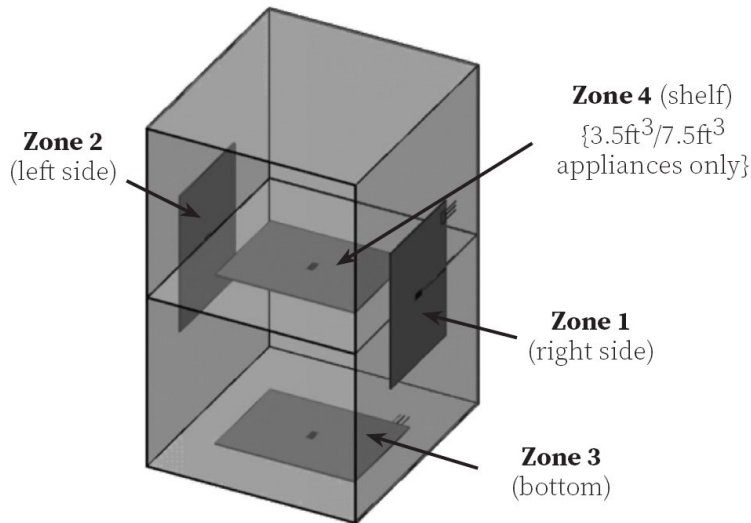
Fuse Replacement

WARNING	
	<p>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.</p> <p>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".</p>



1. Unplug the power cord from the wall outlet and the power switch assembly.
2. Using a thin implement, open the fuse compartment door.
3. Using a thin implement, pull the fuse drawer out from the compartment.
4. Using a thin implement, push the fuses up and out of the drawer.
5. Replace with a new fuse.
6. Push the drawer back into the compartment.
7. Close the compartment door.

Zone Heating Element Locations



Serial number is required for all inquiries.

Part numbers and drawings are subject to change without notice.

Options and Accessories Parts List*

* not shown


WARNING	
	To prevent serious injury or property damage: Always apply both caster brakes on mobile carts, appliances, or accessories when stationary. Equipment on casters can move or roll on uneven floors.



DC150 on 5018614 Cart



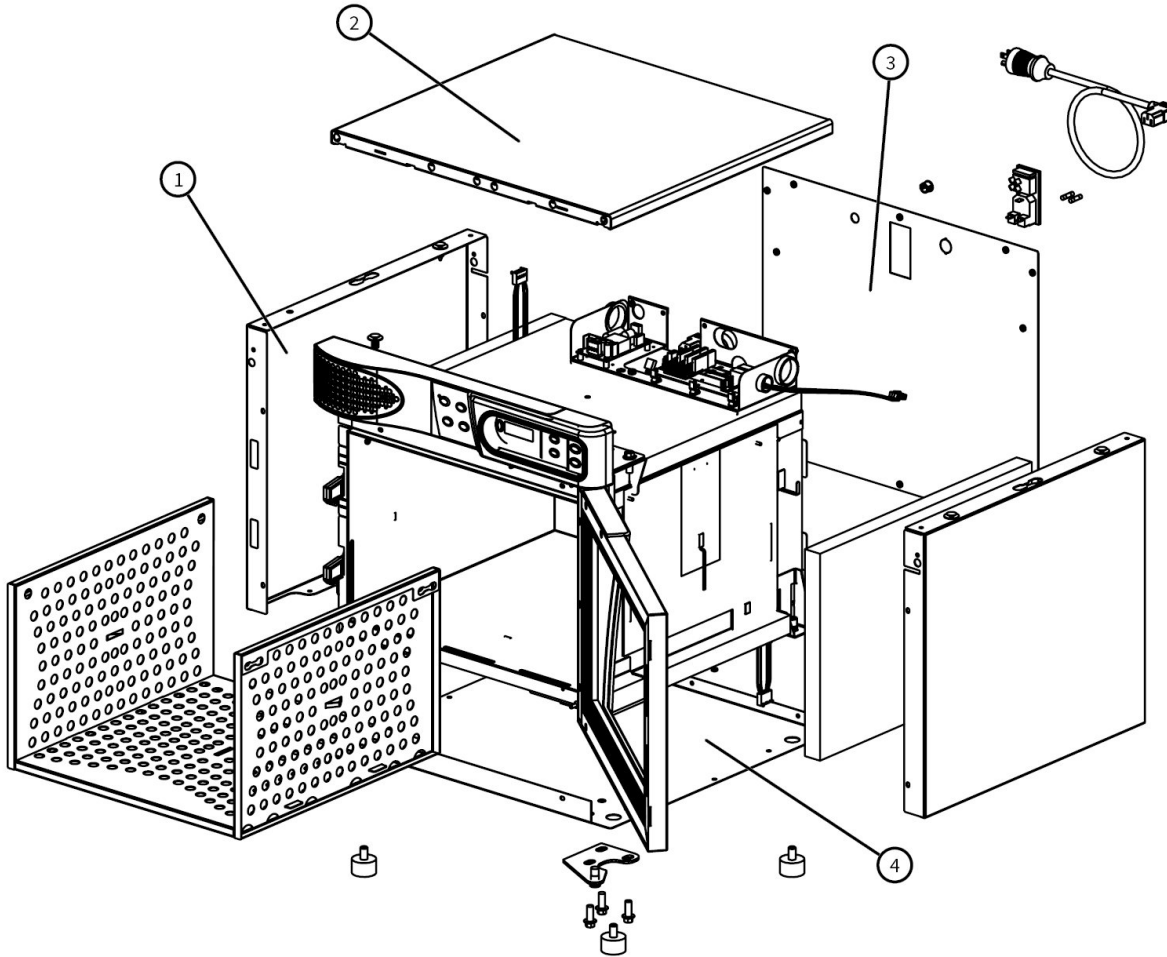
DC400 over DC750

	DC150	DC250	DC350	DC400	DC750
Bumper & Caster Assembly 3" (76mm) caster (2 rigid, 2 swivel with brake); 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	—
Stainless Steel	—	5017544	5017544	5017545	—
Caster Assembly					
3" (76mm) caster (2 swivel, 2 swivel with brake); overall height increases by 4.3" (109mm)	5012693	—	—	—	—
5" (127mm) caster (2 swivel, 2 swivel with brake); overall height increases by 6.5" (165mm)	—	—	—	—	5018646
Cart Overall dimensions 34-1/2" (876mm) H x 24" (610mm) W x 26" (660mm) D					
 Caution: Tipping hazard. To reduce the risk of personal injury place appliance on cart, centered front to rear, and centered side to side.	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					
Note: special installation requirements apply	1014403	1014403	1014403	1014403	1017494
Stacking Hardware - DC250 or DC350 double stacked					
White Epoxy Coated	—	5013021	5013021	—	—
Stainless Steel	—	5017272	5017272	—	—
Stacking Hardware - DC400 or DC750 double stacked					
White Epoxy Coated	—	—	—	5013024	5013024
Stainless Steel	—	—	—	5017273	5017273
Stacking Hardware - DC250 or DC350 triple stacked					
White Epoxy Coated (2 required)	—	5017537	5017537	available	—
Stainless Steel (2 required)	—	5017539	5017539	available	—

Serial number is required for all inquiries.

Part numbers and drawings are subject to change without notice.

Full Assembly A



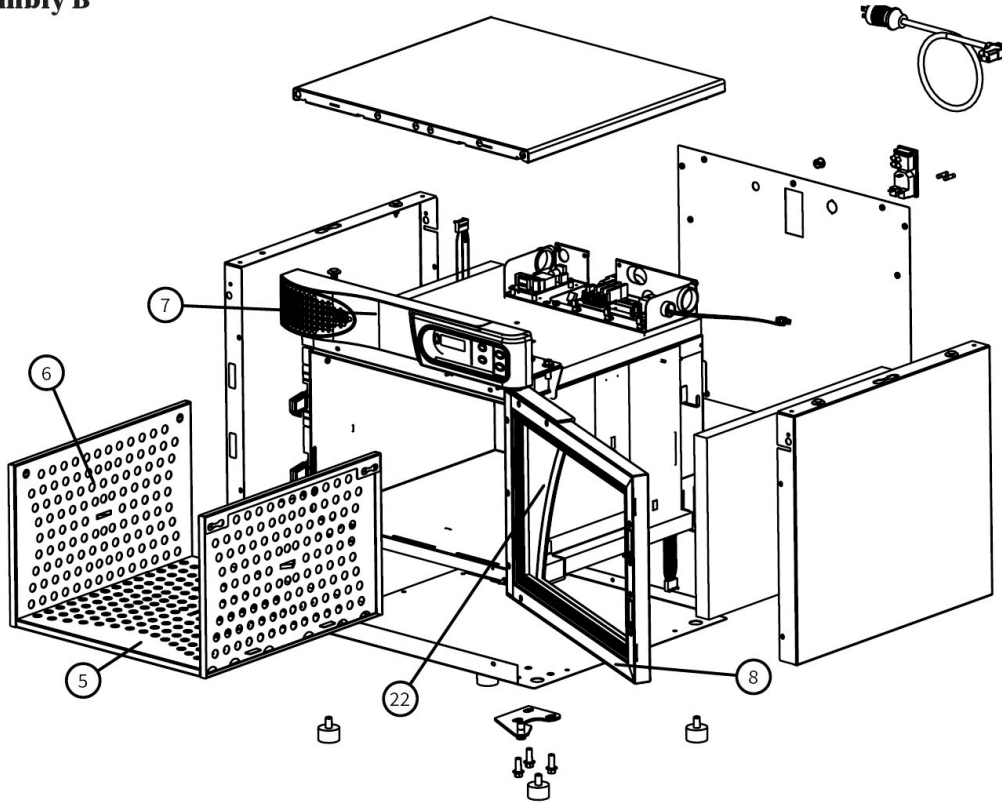
Item	Description	Part	Qty
1	Side cover, 1.5ft ²	1011024	2
1a	Side cover, stainless steel, 1.5ft ²	1014261	2
1b	Side cover, 2.5ft ²	1011269	2
1c	Side cover, stainless steel, 2.5ft ²	1014268	2
1d	Side cover, 3.5ft ²	1011288	2
1e	Side cover, stainless steel, 3.5ft ²	1014275	2
1f	Side cover, 4.0ft ²	1011472	2
1g	Side cover, stainless steel, 4.0ft ²	1014282	2
1h	Side cover, 7.5ft ²	1011588	2
1i	Side cover, stainless steel, 7.5ft ²	1014289	2
2	Top cover, 1.5ft ²	1011029	1
2a	Top cover, stainless steel, 1.5ft ²	1014264	1
2b	Top cover, 2.5ft ² /3.5ft ²	1011266	1
2c	Top cover, stainless steel, 2.5ft ² /3.5ft ²	1014271	1
2d	Top cover, 4.0ft ² /7.5ft ²	1011475	1
2e	Top cover, stainless steel, 4.0ft ² /7.5ft ²	1014285	1
3	Rear cover, 1.5ft ²	5013520	1

Item	Description	Part	Qty
3a	Rear cover, stainless steel, 1.5ft ²	1014262	1
3b	Rear cover, 2.5ft ²	5013521	1
3c	Rear cover, stainless steel, 2.5ft ²	1014269	1
3d	Rear cover, 3.5ft ²	5013522	1
3e	Rear cover, stainless steel, 3.5ft ²	1014276	1
3f	Rear cover, 4.0ft ²	5013643	1
3g	Rear cover, stainless steel, 4.0ft ²	1014283	1
3h	Rear cover, 7.5ft ²	5018517	1
3i	Rear cover, stainless steel, 7.5ft ²	1014290	1
4	Bottom cover, 1.5ft ²	5013523	1
4a	Bottom cover, stainless steel, 1.5ft ²	1014263	1
4b	Bottom cover, 2.5ft ² /3.5ft ²	5013524	1
4c	Bottom cover, stainless steel, 2.5ft ² /3.5ft ²	1014270	1
4d	Bottom cover, 4.0ft ² /7.5ft ²	5013644	1
4e	Bottom cover, stainless steel, 4.0ft ² /7.5ft ²	1014284	1

Serial number is required for all inquiries.

Part numbers and drawings are subject to change without notice.

Full Assembly B

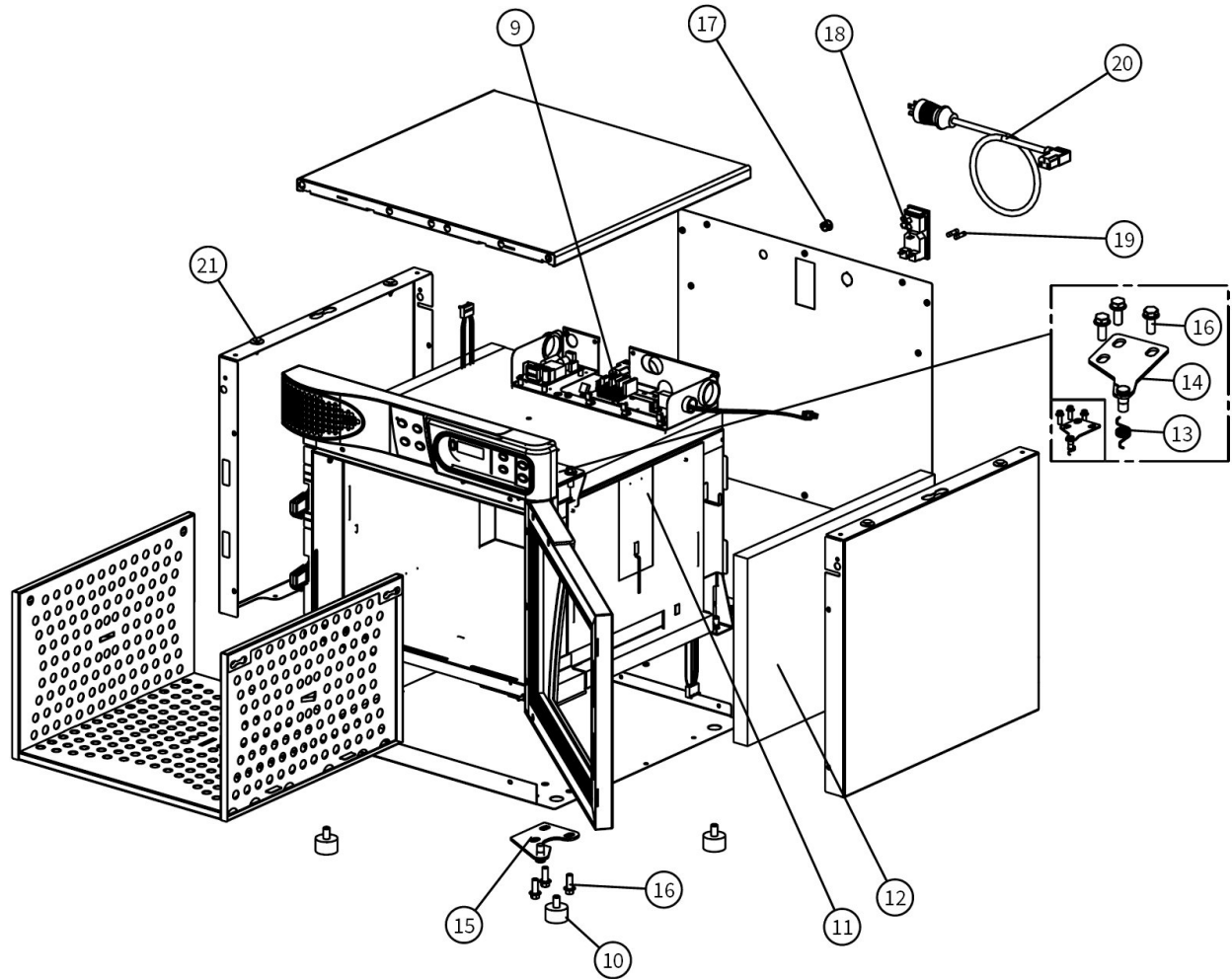


Item	Description	Part	Qty
5	Blanket support bottom, 1.5ft ²	1011045	1
5a	Blanket support bottom, 2.5ft ²	1011265	1
5b	Blanket support bottom, 3.5ft ²	1011265	2
5c	Blanket support bottom, 4.0ft ²	1011471	1
5d	Blanket support bottom, 7.5ft ²	1011471	2
6	Blanket support side, 1.5ft ²	1012865	2
6a	Blanket support side, 2.5ft ²	1012866	2
6b	Blanket support side, 3.5ft ²	1012867	4
6c	Blanket support side, 4.0ft ²	1011470	2
6d	Blanket support side, 7.5ft ²	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, 1.5ft ²	5018245	1
8a	Door assembly, stainless steel, 1.5ft ²	5018250	1
8b	Door assembly, painted w/ lock, 1.5ft ²	5018255	1
8c	Door assembly, stainless steel w/ lock, 1.5ft ²	5018260	1
8d	Door assembly, painted 2.5ft ²	5018246	1
8e	Door assembly, stainless steel, 2.5ft ²	5018251	1
8f	Door assembly, painted w/ lock, 2.5ft ²	5018256	1
8g	Door assembly, stainless steel w/ lock, 2.5ft ²	5018261	1
8h	Door assembly, painted, 3.5ft ²	5018247	1
8i	Door assembly, stainless steel, 3.5ft ²	5018252	1
8j	Door assembly, painted w/ lock, 3.5ft ²	5018257	1
8k	Door assembly, stainless steel w/ lock, 3.5ft ²	5018262	1
8l	Door assembly, painted, 4.0ft ²	5018248	1
8m	Door assembly, stainless steel, 4.0ft ²	5018253	1
8n	Door assembly, painted w/ lock, 4.0ft ²	5018258	1
8o	Door assembly, stainless steel w/ lock, 4.0ft ²	5016410	1
8p	Door assembly, painted, 7.5ft ²	5018249	1
8q	Door assembly, stainless steel, 7.5ft ²	5018254	1
8r	Door assembly, painted w/ lock, 7.5ft ²	5018259	1
8s	Door assembly, stainless steel w/ lock, 7.5ft ²	5018264	1
22	Cover, door	CONTACT FACTORY	1

Serial number is required for all inquiries.

Part numbers and drawings are subject to change without notice.

Full Assembly C

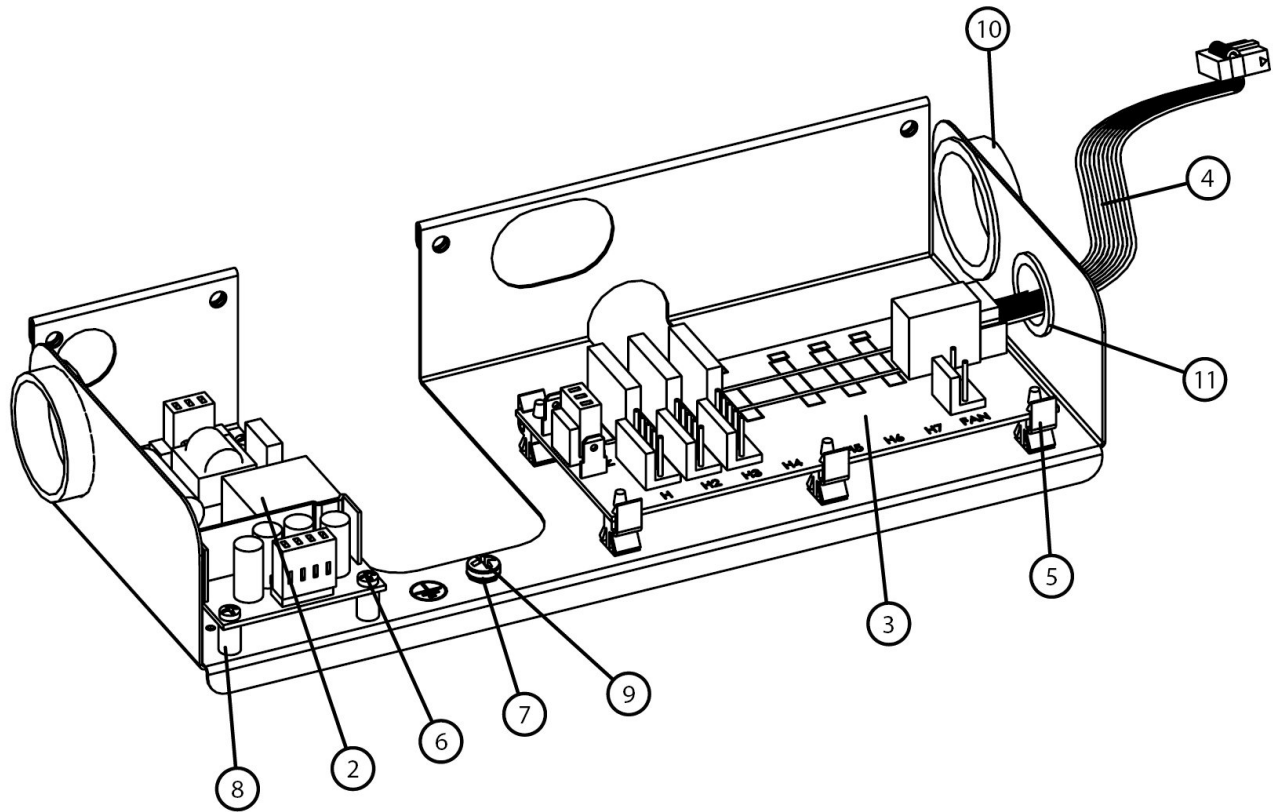


Item	Description	Part	Qty	Item	Description	Part	Qty
9	Chassis, 3-zone, 120V, 1.5ft ³ /2.5ft ³	5017792	1	13	Spring, door, 1.5ft ³	SD-29340	1
9a	Chassis, 3-zone, 230V, 1.5ft ³ /2.5ft ³	5017795	1	13a	Spring, door, 2.5ft ³ /3.5ft ³ /4.0ft ³ /7.5ft ³	SD-29467	1
9b	Chassis, 4-zone, 120V, 3.5ft ³ /4.0ft ³ /7.5ft ³	5017793	1	14	Service kit, upper hinge, RH	5015522	1
9c	Chassis, 4-zone, 230V, 3.5ft ³ /4.0ft ³ /7.5ft ³	5017796	1	15	Service kit, lower hinge, RH	5015523	1
10	Bumper feet, rubber, 1.5ft ³ /2.5ft ³ /3.5ft ³ /4.0ft ³	FE-29203	4	16	Screw, M8 x 1.25 x 20mm hex flange	SC-27046	6
10a	Bumper feet, rubber, 7.5ft ³	BM-22606	4	17	Plug, 1/2" hole	PG-3344	1
11	Heater pad, with pad sensor and pad hi-limit, 1.5ft ³ /2.5ft ³	EL-37009	3	18	Power, switch, assembly	SW-34911	1
11a	Heater pad, with pad sensor and pad hi-limit, 3.5ft ³ /4.0ft ³	EL-37009	4	19	Fuse, (F1, F2) fast acting	FU-34955	2
11b	Heater pad, with pad sensor and pad hi-limit, 7.5ft ³	EL-36692	4	20	Power cord, NEMA 5-15P, 120V	CD-35030	1
12	Insulation kit, 1.5ft ³	5018010	1	20a	Power cord, CEE 7/7, 220/230V	CD-3984	1
12a	Insulation kit, 2.5ft ³ /3.5ft ³	5018011	1	20b	Power cord, BS 1363, 230V	CD-29714	1
12b	Insulation kit, 4.0ft ³ /7.5ft ³	5018012	1	21	Clip, panel retainer	CL-29193	6

Serial number is required for all inquiries.

Part numbers and drawings are subject to change without notice.

Electrical Chassis

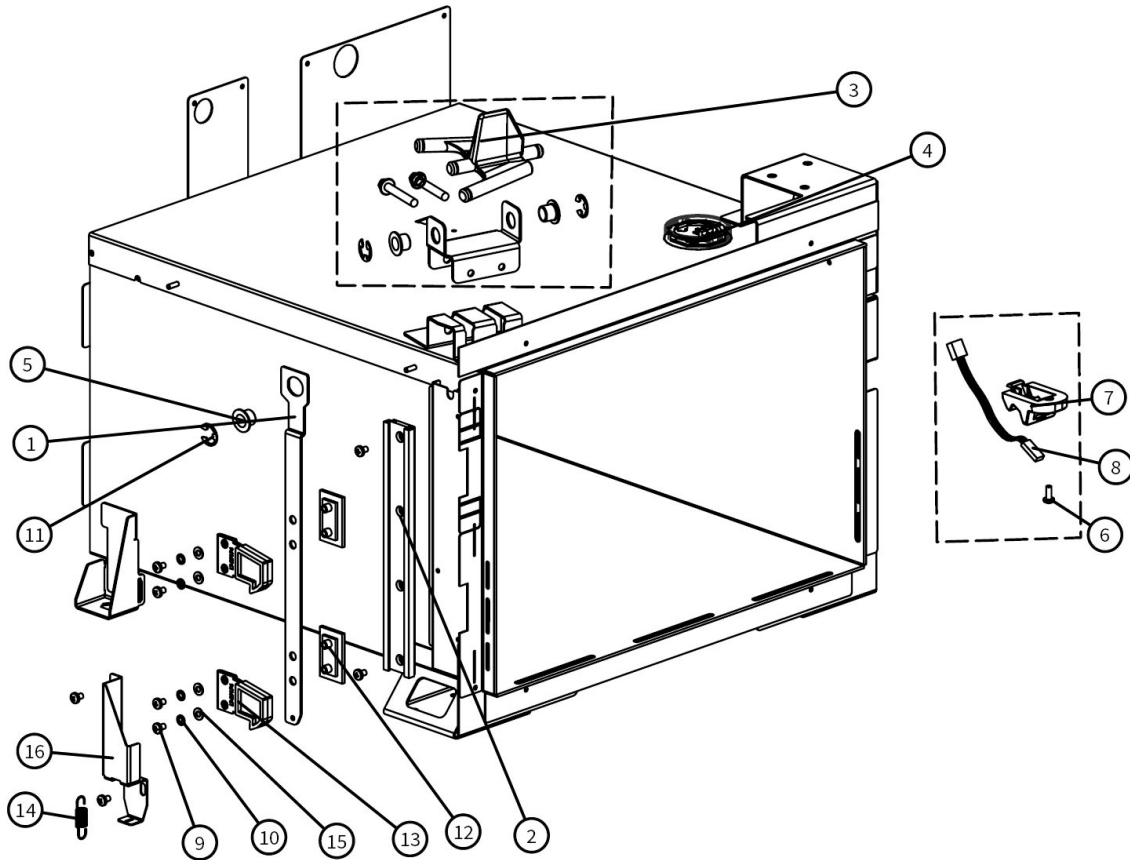


Item	Description	Part	Qty
2	Power supply, 20W, 5 volt DC	BA-34965	1
3	Relay board, 3-zone, 120V, 1.5ft ³ /2.5ft ³	BA-35106	1
3a	Relay board, 4-zone, 120V, 3.5ft ³ /4.0ft ³ /7.5ft ³	BA-35107	1
3b	Relay board, 3-zone, 230V, 1.5ft ³ /2.5ft ³	BA-35109	1
3c	Relay board, 4-zone, 230V, 3.5ft ³ /4.0ft ³ /7.5ft ³	BA-35110	1
4	Cable, relay board	CB-35193	1
5	Clip, edge holding	CL-35031	5
6	Screw, M3-0.5 x 16mm, phillips head	SC-22270	4
7	Screw, pan phillips head, metric, M5	SC-36973	1
8	Spacer, 1/4" dia x 3/8" nylon	SP-29425	4
9	Washer, interlocking	WS-2467	1
10	Bushing, snap, 1-1/2"	BU-3013	2
11	Bushing, snap, 7/8", black	BU-3007	1

Serial number is required for all inquiries.

Part numbers and drawings are subject to change without notice.

Door Latch & Sensor

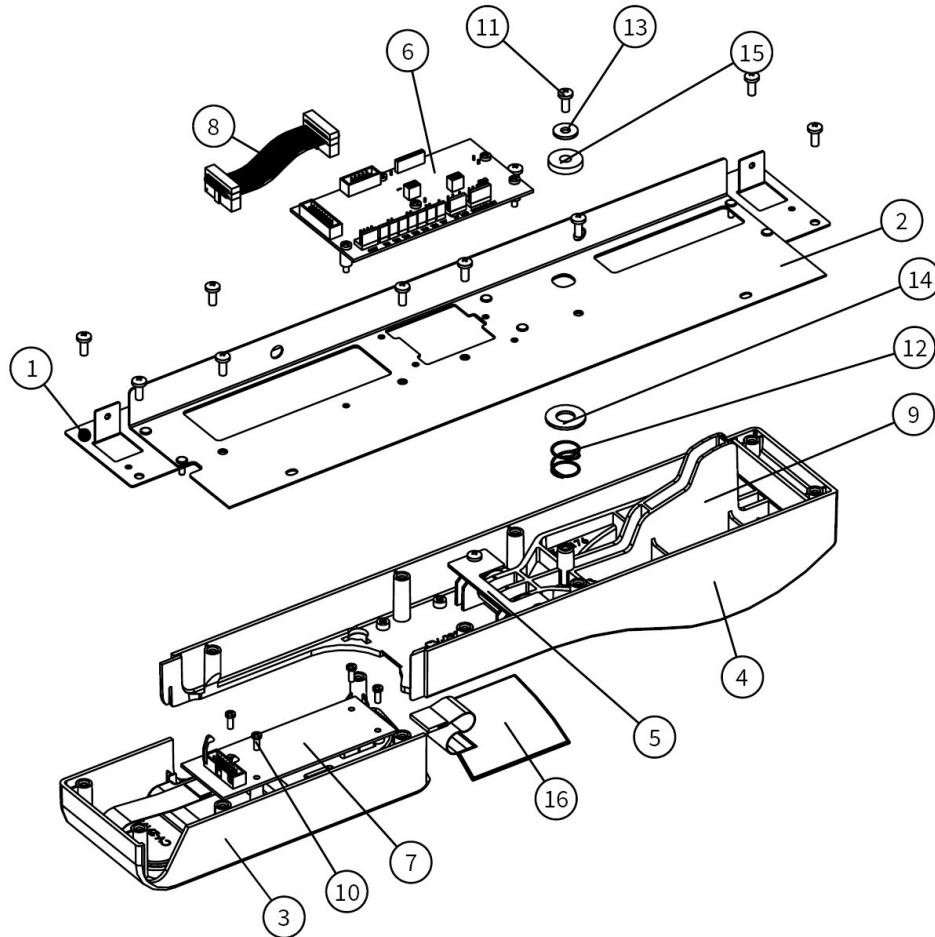


Item	Description	Part	Qty
1	Plate, latch pull, 1.5ft ³	1011197	1
1a	Plate, latch pull, 2.5ft ³ /4.0ft ³	1011263	1
1b	Plate, latch pull, 3.5ft ³	1011295	1
1c	Plate, latch pull, 7.5ft ³	1011850	1
2	Guide, low profile rail, 1.5ft ³	GI-29204	1
2a	Guide, low profile rail, 2.5ft ³ /3.5ft ³ /4.0ft ³	GI-29254	1
2b	Guide, low profile rail, 7.5ft ³	GI-29409	1
3	Service kit, door button latch pivot assembly	5013640	1
4	LED assembly	5014852	1
5	Bushing	BU-29206	1
6	Screw, M4 x 0.7 x 10mm pan	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

Serial number is required for all inquiries.

Part numbers and drawings are subject to change without notice.

Control Interface

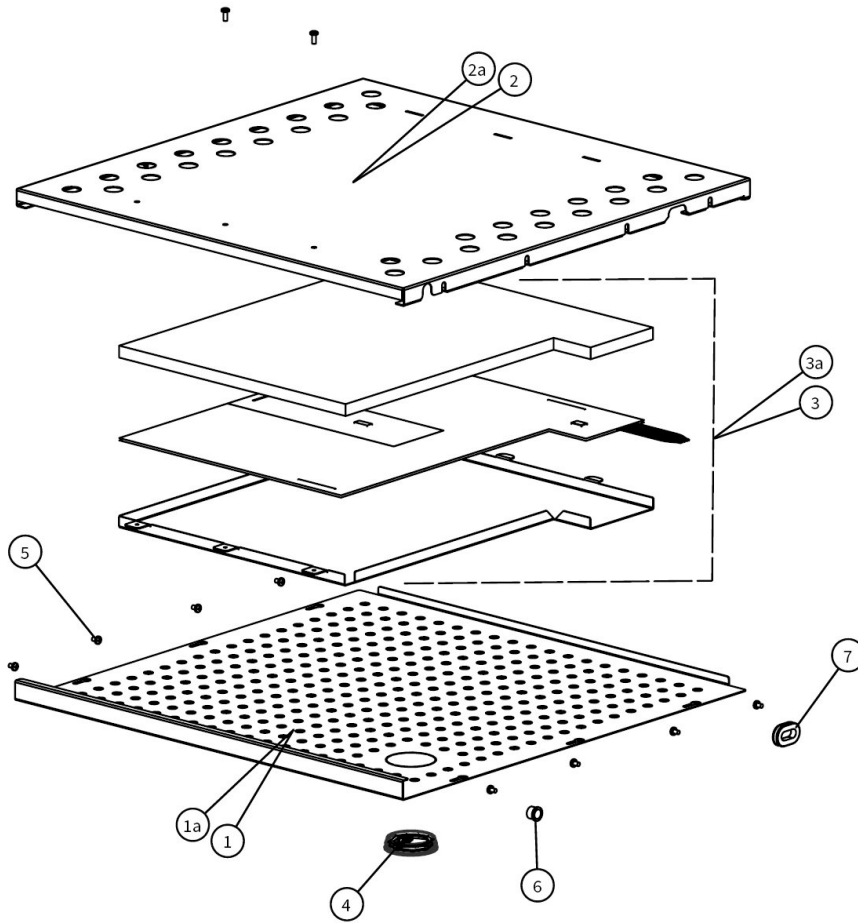


Item	Description	Part	Qty
1	Panel, interface mount, 18.5", 1.5ft ² /2.5ft ² /3.5ft ²	1011336	1
1a	Panel, interface mount, 24", 4.0ft ² /7.5ft ²	1011482	1
2	Panel, front top trim, painted, 18.5", 1.5ft ² /2.5ft ² /3.5ft ²	1011032	1
2a	Panel, front top trim, painted, 24", 4.0ft ² /7.5ft ²	1011481	1
2b	Panel, front top trim, stainless steel, 18.5", 1.5ft ² /2.5ft ² /3.5ft ²	1014265	1
2c	Panel, front top trim, stainless steel, 24", 4.0ft ² /7.5ft ²	1014286	1
3	Control, assembly service kit	5015524	1
4	Cover button, 18.5", 1.5ft ² /2.5ft ² /3.5ft ²	CV-29256	1
4a	Cover button, 24", 4.0ft ² /7.5ft ²	CV-29345	1
4b	Cover button, with timer, 18.5", 1.5ft ² /2.5ft ² /3.5ft ²	CV-29434	1
4c	Cover button, with timer, 24", 4.0ft ² /7.5ft ²	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 head phillips, M3 x 8	SC-29332	4
11	Screw, pan head phillips, 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

Serial number is required for all inquiries.

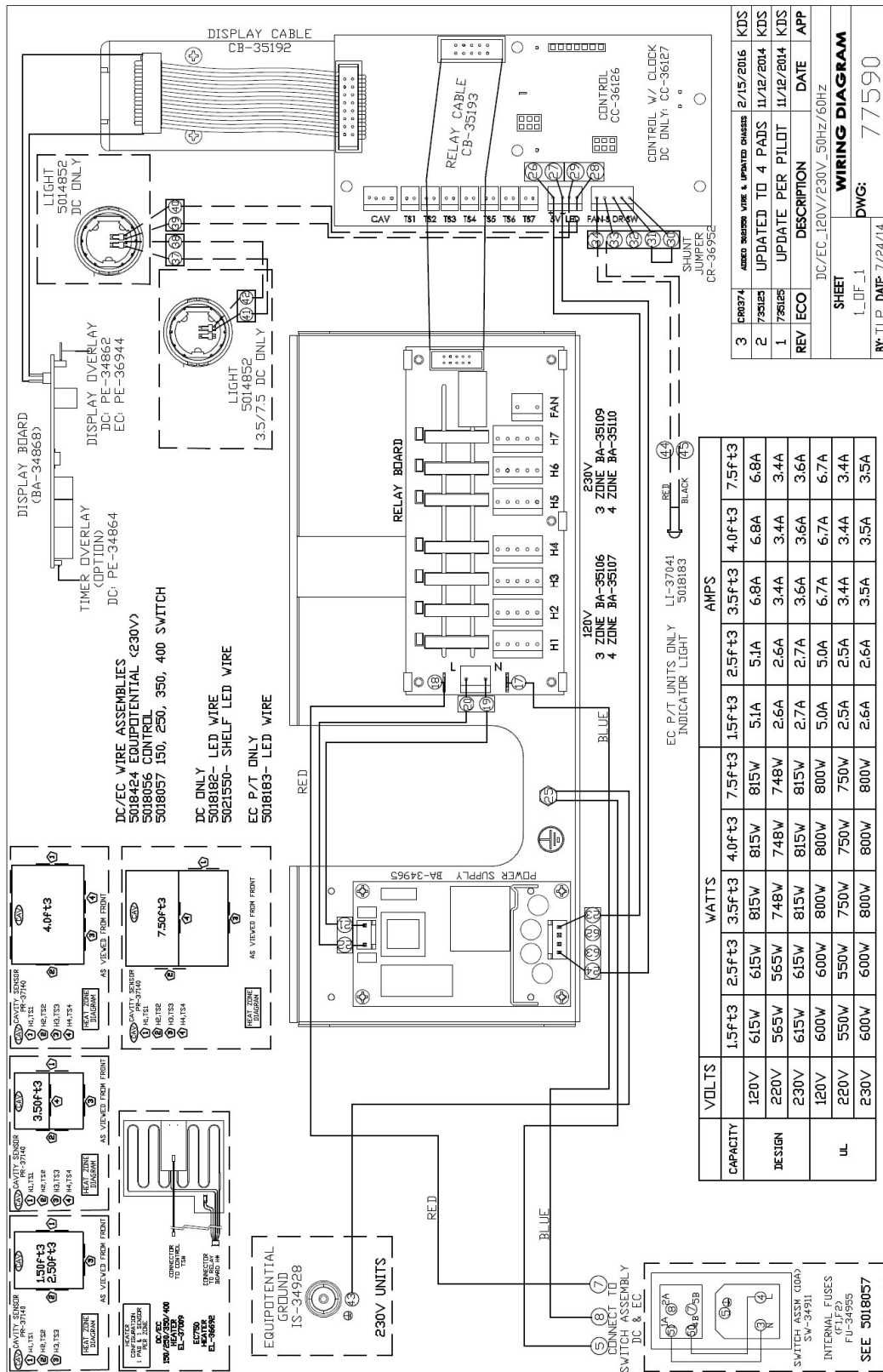
Part numbers and drawings are subject to change without notice.

Shelf (DC350/DC750 only)



Item	Description	Part	Qty
1	Panel, heated shelf bottom, 3.5ft ³	1011230	1
1a	Panel, heated shelf bottom, 7.5ft ³	1011597	1
2	Panel, heated shelf, 3.5ft ³	1015078	1
2a	Panel, heated shelf, 7.5ft ³	1014609	1
3	Heated shelf kit, 3.5ft ³	5017020	1
3a	Heated shelf kit, 7.5ft ³	5019545	1
4	LED assembly	5014852	1
5	Screw, M4 x 0.7 x 10mm pan	SC-2227	10
6	Bushing, 1/2" hole	BU-3006	1
7	Grommet, neoprene, black	BU-36408	1

Serial number is required for all inquiries.





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