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#### Life Science Innovator Since 1966

25.7 cu.ft. | 729 L

MDF-DU703VHA-PA, 115V | 220V

Security Control

and Monitoring

An eye level, door mounted

10.1 inches high resolution LCD

A USB port makes transferring

touchscreen allows full user control.

logged data to a PC convenient. All

performance attributes are displayed

and an internal temperature log can

be expressed in graphic form over

time.



#### MDF-DU703VHA-PA

#### Performance and Reliability

Next generation engineering harnesses the power of dual voltage inverter compressor technology to yield greater temperature uniformity. Reserve refrigeration power delivers fast temperature recovery following door openings. Performance and reliability is never compromised when it comes to storing your valued products.

## **VIP® ECO SMART**

ENERGY STAR<sup>®</sup> Certified Dual Voltage 115V | 220V Natural Refrigerant -86°C Freezer



Independently tested and documented, the ENERGY STAR® Certified VIP® ECO SMART delivers the lowest daily energy usage of any ultra-low temperature freezer in its class: 5.4 KWh per day. Purpose-designed for the temperature uniformity and stability required for the life sciences. The dual voltage MDF-DU703VHA-PA runs on either 115V or 220V power.

#### Industry's Lowest Energy Consumption<sup>1</sup>

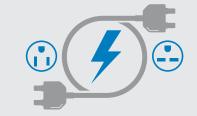
This freezer delivers lower energy consumption without compromising performance. The VIP ECO SMART uses 30% less energy than other leading ENERGY STAR listed freezers.

- 0.21 kWh/cu.ft. Daily Energy Consumption
- 5.4 kWh/day, Steady State at -80°C
- 4.5 kWh/day, Steady State at -70°C
- Temperature Uniformity
- ±3.0°C at -80°C • ±3.0°C at -70°C



#### **Frost Mitigation**

Simplified one-handed operation maintains the integrity of the door seal to assure energy efficiency, resulting in less frost build up and maintenance. Perimeter heater under the gasket allows for gentle warmth reducing ice buildup. The EZlatch handle is the centerpiece of a holistic access and frost mitigation system.



#### **Dual Voltage**

No need to install a new outlet thanks to our flexible power option of either 115 or 220 volt standard. Changing to a different voltage is as simple as changing our removable power cord which comes standard with every freezer.



#### **Controlled Freezer Access**

Know who entered the freezer and when. Track how long the door was open.

3 Ways to Lock

- Facial recognition
- Keypad
- Proximity card (Optional)\*

\*Available in the US and Canada only

<sup>10</sup> Based on independent third-party testing at time of publication. ENERGY STAR test results for submitted products can be compared for performance across the competitive market. For results see the ENERGY STAR website www.energystar.gov/productfinder/product/ certified-lab-grade-refrigeration/details/2404812. ENERGY STAR Certification Number 47905989804.



#### VIP<sup>•</sup>ECO SMART -86°C ULT Upright Freezer

## The outer door gasket is easily removed and replaced without tools while the freezer remains in operation.

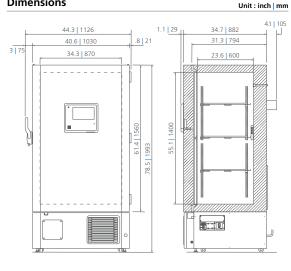
Model MDF-DU703VHA-PA shown with three shelves supplied standard. Additional shelves available.

#### **SMART Performance**

Inverter driven compressors with SMART control allow for superior uniformity by only running compressors at slower speed under steady state conditions. Proprietary algorithms give the control that allows extremely tight uniformity.

#### **Temperature Uniformity Data:**

-80°C setpoint at 23°C ambient temperature, empty freezer -77.5 -78 -78.5 Internal Temperature (°C) -79 -79.5 -80 -81 -81.5



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Dimensions

**PHC Corporation of North America** 1300 Michael Drive, Suite A, Wood Dale, IL 60191 Toll Free USA (800) 858-8442, Fax (630) 238-0074 www.phchd.com/us/biomedical

Model Number		MDF-DU	703VHA-PA
External Dimensions (W $\times$ D $\times$ H) <sup>1)</sup>	inches mm	40.6 × 34.7 × 7	8.5   1030 × 882 × 1993
Internal Dimensions (W $\times$ D $\times$ H)	inches   mm	34.3 × 23.6 × 5	5.1   870 × 600 × 1400
Volume	cu.ft.   liters	2	5.7   729
Net Weight	lbs   kg	é	608 276
2" box and Racks- Capacity	Box   Rack	-	576   24
3" box and Racks- Capacity	Box Rack	3	884   24
Performance			
Temperature Control Range	°C	-40	to -86
Uniformity <sup>2)</sup>	°C		) Set point)
Power Consumption	kWh/Day		Steady State)
BTU Nominal	Per Hour		768
Noise Level 3)	dB(A)		46
Ambient Temperature Operating Range	°C	+51	to +30
Control			11 1100 1111
Controller		Microprocessor with non-volatile memory, USB connectivity, IOT Ready 4)	
Digital Temperature Display		LCD Touchscreen	
Controller Security		Screen lock w/ password protection, facial recognition, NFC 50	
Temperature Sensor		RTD	
Refrigeration			
Cooling Method		Cold Wall (Sunchronized variable speed caseade puttern)	
	Link Grand Line Cr	Cold Wall (Synchronized variable speed cascade system)	
Compressors	High Stage I Low Stage	750 W Variable   750 W Variable	
Refrigerant Type (Natural Refrigerant)	High Stage I Low Stage	R-290   R-170	
Insulation		Rigid polyurethane foam (PUF) + VIP Plus vacuum insulated panels	
Construction			
Exterior Material		Daiat	ad staal
		Painted steel	
Interior Material		Painted steel	
Outer Door	qty	1 lock with set of 2 keys and electronic lock (provision for optiona pad lock)	
Inner Doors	qty	2 insulated stainless steel with latch	
Shelves	qty		ustable)
		3 (adj	
Shelves	qty	3 (adj 33.7 × 2	ustable)
Shelves Shelf Dimensions (W × D) Max. Load per Shelf	qty inches   mm Ibs   kg	3 (adj 33.7 × 1 1 3: upper wall (	ustable) 21   855 × 534 10   50 back-up system),
Shelves Shelf Dimensions (W × D)	qty inches   mm	3 (adj 33.7 × i 1' 3: upper wall ( bottom left (recorder sensor), bo	ustable) 21   855 × 534 10   50
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter	qty inches   mm Ibs   kg qty	3 (adj 33.7 × .1 1 3: upper wall bottom left (recorder sensor), bo 4	ustable) 21   855 × 534 10   50 back-up system), 3ttom right (access) 0.6 in   17mm
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × . 1 3: upper wall bottom left (recorder sensor), bo 4	ustable) 21   855 x 534 10   50 back-up system), attom right (access) 0.6 in   17mm   2 1 Auto
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × . 3: upper wall bottom left (recorder sensor), br 4 m, A= Adjustable, L= Logger	ustable) 21   855 x 534 10   50 back-up system), attom right (access) 0.6 in   17mm   2 1 Auto i)
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × : 1: 3: upper wall bottom left (recorder sensor), br 4 m, A= Adjustable, L= Loggec	ustable) 21   855 x 534 10   50 back-up system), attom right (access) 0.6 in   17mm   2 1 Auto 1) 8-R-L
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Temperature (High and Low)	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × : 1: 3: upper wall bottom left (recorder sensor), br 4 m, A= Adjustable, L= Loggee V-B	ustable) 21   855 x 534 10   50 back-up system), attom right (access) 0.6 in   17mm   2 1 Auto 1) B-R-L R-L-A
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Temperature (High and Low) Sensor Failure	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × : 1' 3: upper wall bottom left (recorder sensor), bu 4 m, A= Adjustable, L= Logged V-1 V-8 V-8 V-1	ustable) 11   855 × 534 10   50 back-up system), batchup system), 11 Auto 11 Auto 13 B-R-L R-L-A B-R-L
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Temperature (High and Low) Sensor Failure Door Open	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × : 1' 3: upper wall bottom left (recorder sensor), bu 4 m, A= Adjustable, L= Logged V-1 V-8 V-8 V-1	ustable) 21   855 × 534 10   50 back-up system), batchup system), 1 2 1 Auto 3) B-R-L R-L-A B-R-L B-R-L
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Power Failure Temperature (High and Low) Sensor Failure Door Open Maintenance Alert	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × : 1' 3: upper wall bottom left (recorder sensor), bu 4 m, A= Adjustable, L= Loggeo V- V-B V-B V- V-B V-1 V-B	ustable) 21   855 × 534 10   50 back-up system), batch up system), 1 2 1 Auto 8-R-L 8-R-L 8-R-L 9-R-L V
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Power Failure Temperature (High and Low) Sensor Failure Door Open Maintenance Alert Remote Alarm Contacts	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × : 1' 3: upper wall bottom left (recorder sensor), bu 4 m, A= Adjustable, L= Loggeo V- V-B V-B V- V-B V-1 V-B	ustable) 21   855 × 534 10   50 back-up system), batchup system), 1 2 1 Auto 3) B-R-L R-L-A B-R-L B-R-L
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Power Failure Temperature (High and Low) Sensor Failure Door Open Maintenance Alert	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × : 1' 3: upper wall bottom left (recorder sensor), bu 4 m, A= Adjustable, L= Logged V- V- V- V- V- UC 30V 2A (normally open	ustable) 21   855 × 534 10   50 back-up system), batch up system), 1 2 1 Auto 8-R-L 8-R-L 8-R-L 9-R-L V
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Power Failure Temperature (High and Low) Sensor Failure Door Open Maintenance Alert Remote Alarm Contacts	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × 1 11' 3: upper wall ( bottom left (recorder sensor), br 4 m, A= Adjustable, L= Loggec V-1 V-B V-1 V-B V-1 V-2 V-2 V-2 V-2 V-2 V-2 V-2 V-2	ustable) 21   855 × 534 10   50 back-up system), 31 auto 11 2 1 Auto 13 8-R-L 8-R-L 8-R-L V N, normally closed, common) 115V, NEMA 5-15P, 60 Hz Bft cord length
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Power Failure Temperature (High and Low) Sensor Failure Door Open Maintenance Alert Remote Alarm Contacts Electrical Power Supply	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × 1 11' 3: upper wall ( bottom left (recorder sensor), bu 4 m, A= Adjustable, L= Loggec V-1 V-B V-2 V-2 V-2 V-2 V-2 V-2 V-2 V-2	ustable) 21   855 × 534 10   50 back-up system), attom right (access) 0.6 in   17mm 1   2 1 Auto 8-R-L 8-R-L 8-R-L 8-R-L 8-R-L 1 - A 8-R-L V N, normally closed, common) 115V, NEMA 5-15P, 60 Hz 6ft cord length (standard configuration)
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Power Failure Temperature (High and Low) Sensor Failure Door Open Maintenance Alert Remote Alarm Contacts Electrical	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × 1 11' 3: upper wall ( bottom left (recorder sensor), br 4 m, A= Adjustable, L= Loggec V-1 V-B V-1 V-B V-1 V-2 V-2 V-2 V-2 V-2 V-2 V-2 V-2	ustable) 21   855 × 534 10   50 back-up system), 31 auto 11 2 1 Auto 13
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Power Failure Door Open Maintenance Alert Remote Alarm Contacts Electrical Power Supply	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × 1 11' 3: upper wall ( bottom left (recorder sensor), bu 4 m, A= Adjustable, L= Loggec V-1 V-B V-2 V-2 V-2 V-2 V-2 V-2 V-2 V-2	ustable) 21   855 × 534 10   50 back-up system), attom right (access) 0.6 in   17mm 1   2 1 Auto 8-R-L 8-R-L 8-R-L 8-R-L 8-R-L 1 - A 8-R-L V N, normally closed, common) 115V, NEMA 5-15P, 60 Hz 6ft cord length (standard configuration)
Shelves Shelf Dimensions (W x D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Power Failure Door Open Maintenance Alert Remote Alarm Contacts Electrical Power Supply Max Amps	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × : 1' 3: upper wall bottom left (recorder sensor), bu 4 m, A= Adjustable, L= Logged V-1 V-B V-1 V-B C 30V 2A (normally open C 30V 2A (nor	ustable) 21   855 × 534 10   50 back-up system), attom right (access) 0.6 in   17mm 1   2 1 Auto 8-R-L 8-R-L 8-R-L 8-R-L 8-R-L 1 - A 8-R-L 1 - A 1 -
Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Power Failure Door Open Maintenance Alert Remote Alarm Contacts Electrical Power Supply Max Amps Options	qty inches   mm lbs   kg qty qty qty	3 (adj 33.7 × 1 1' 3: upper wall bottom left (recorder sensor), bu 4 m, A= Adjustable, L= Loggeo V-4 V-8 V-4 V-8 V-4 V-1 V-8 C 30V 2A (normally oper C	ustable) 21   855 × 534 10   50 back-up system), attom right (access) 0.6 in   17mm 1 2 1 Auto 31 B-R-L R-L-A B-R-L 8-R-L 8-R-L V n, normally closed, common) 115V, NEMA 5-15P, 60 Hz 8ft cord length (standard configuration) 11
Shelves Shelves Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Temperature (High and Low) Sensor Failure Door Open Maintenance Alert Remote Alarm Contacts Electrical Power Supply Max Amps Options Backup system	aty inches   mm Ibs   kg aty aty Alarm, R= Remote Alar	3 (adj 33.7 × 1 1' 3: upper wall ( bottom left (recorder sensor), br 4 m, A= Adjustable, L= Logger V-1 V-8 V-1 V-8 V-1 V-8 V-1 V-1 DC 30V 2A (normally oper 220V, NEMA 6-15P, 60 Hz 8ft cord length (220V, NEVA 6-15P, (220V, NEVA 6-15P, (22	ustable) 21   855 × 534 10   50 back-up system), attom right (access) 0.6 in   17mm 1 2 1 Auto 4 B-R-L 8-R-L 8-R-L 8-R-L 8-R-L 8-R-L 9-L V n, normally closed, common) 115V, NEMA 5-15P, 60 Hz 8ft cord length (standard configuration) 11 11 11 11 11 11 11 11 11 1
Shelves Shelves Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Temperature (High and Low) Sensor Failure Door Open Maintenance Alert Remote Alarm Contacts Electrical Power Supply Max Amps Options Backup system Inner Door Kit with Smaller Doors	aty inches   mm Ibs   kg aty aty ty Alarm, R= Remote Alar	3 (adj 33.7 × 1 11 3: upper wall ( bottom left (recorder sensor), br 4 m, A= Adjustable, L= Logger V-1 V-8 V-1 V-8 V-1 V-8 V-1 V-1 DC 30V 2A (normally oper 220V, NEMA 6-15P, 60 Hz 8ft cord length (220V, NEMA 6-15P, (220V, NEMA 6-15P	ustable) 21   855 × 534 10   50 back-up system), attom right (access) 0.6 in   17mm 1 2 1 Auto 4) B-R-L R-L-A B-R-L B-R-L B-R-L B-R-L V n, normally closed, common) 115V, NEMA 5-15P, 60 Hz 8ft cord length (standard configuration) 11 (MDF-UB9-PW-LN2 / (5) MDF-7ID5-PW
Shelves Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Power Failure Door Open Maintenance Alert Remote Alarm Contacts Electrical Power Supply Max Amps Options Backup system Inner Door Kit with Smaller Doors Proximity Cards	aty inches   mm Ibs   kg aty aty ty Alarm, R= Remote Alar	3 (adj 33.7 × 1 11 3: upper wall ( bottom left (recorder sensor), br 4 m, A= Adjustable, L= Logger V-1 V-8 V-1 V-8 V-1 V-8 V-1 V-1 DC 30V 2A (normally oper 220V, NEMA 6-15P, 60 Hz 8ft cord length (220V, NEMA 6-15P, (220V, NEMA 6-15P	ustable) 21   855 × 534 10   50 back-up system), attom right (access) 0.6 in   17mm 1 2 1 Auto 4) B-R-L 8-R-L 8-R-L 8-R-L 8-R-L 8-R-L 9-R-L 9-R-L 115V, NEMA 5-15P, 60 Hz 8ft cord length (standard configuration) 11 11 11 11 11 11 11 11 11 1
Shelves Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Temperature (High and Low) Sensor Failure Door Open Maintenance Alert Remote Alarm Contacts Electrical Fower Supply Max Amps Options Backup system Inner Door Kit with Smaller Doors Proximity Cards NFC Module Optional Communication System	aty inches   mm Ibs   kg aty aty ty Alarm, R= Remote Alar	3 (adj 33.7 × : 1' 3: upper wall bottom left (recorder sensor), br 4 m, A= Adjustable, L= Logger V4 V4 V4 V4 V4 V4 V4 V4 V4 V4 V4 V4 V4	ustable) 21   855 × 534 10   50 back-up system), attom right (access) 0.6 in   17mm   2 1 Auto 1 1 Auto 1 1 Auto 1 8-R-L 8-R-L 8-R-L 8-R-L 8-R-L 9-R-L 1 1 1 1 1 1 1 1 1 1 1 1 1
Shelves Shelves Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Temperature (High and Low) Sensor Failure Door Open Maintenance Alert Remote Alarm Contacts Electrical Power Supply Max Amps Options Backup system Inner Door Kit with Smaller Doors Proximity Cards N	aty inches   mm Ibs   kg aty aty ty Alarm, R= Remote Alar	3 (adj 33.7 × : 1' 3: upper wall bottom left (recorder sensor), br 4 m, A= Adjustable, L= Logger V4 V4 V4 V4 V4 V4 V4 V4 V4 V4 V4 V4 V4	ustable) 21   855 × 534 10   50 back-up system), attom right (access) 0.6 in   17mm 1 2 1 Auto 4) B-R-L 8-R-L 8-R-L 8-R-L 8-R-L 8-R-L 9-R-L 9-R-L 115V, NEMA 5-15P, 60 Hz 8ft cord length (standard configuration) 11 11 11 11 11 11 11 11 11 1
Shelves Shelves Shelves Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Temperature (High and Low) Sensor Failure Door Open Maintenance Alert Remote Alarm Contacts Electrical Power Supply Max Amps Options Backup system Inner Door Kit with Smaller Doors Proximity Cards NFC Module Optional Communication System Wireless, Cloud-Based, Automatic Data	aty inches   mm Ibs   kg aty aty ty Alarm, R= Remote Alar	3 (adj 33.7 × : 3: upper wall bottom left (recorder sensor), br 4 m, A= Adjustable, L= Loggec V-4 V-4 V-4 V-4 V-4 V-4 V-4 V-4 V-4 V-4	ustable) 21   855 × 534 10   50 back-up system), attom right (access) 0.6 in   17mm   2 1 Auto 1 1 Auto 1 1 Auto 1 8-R-L 8-R-L 8-R-L 8-R-L 8-R-L 9-R-L 1 1 1 1 1 1 1 1 1 1 1 1 1
Shelves Shelves Shelves Shelf Dimensions (W × D) Max. Load per Shelf Access Ports, Qty, Position, Diameter Casters   Leveling Legs Vacuum Release Alarms (V= Visual Alarm, B= Buzzer Power Failure Temperature (High and Low) Sensor Failure Door Open Maintenance Alert Copen Maintenance Alert Remote Alarm Contacts Electrical Coptions Backup system Inner Door Kit with Smaller Doors Proximity Cards NFC Module Coptional Communication System Wireless, Cloud-Based, Automatic Data	aty inches   mm Ibs   kg aty aty ty Alarm, R= Remote Alar	3 (adj 33.7 × : 3: upper wall bottom left (recorder sensor), br 4 m, A= Adjustable, L= Loggec V-4 V-4 V-4 V-4 V-4 V-4 V-4 V-4 V-4 V-4	ustable) 21   855 x 534 10   50 back-up system), attom right (access) 0.6 in   17mm 1 2 1 Auto 3. 8-R-L 4. 8-R-L 8-R-L 8-R-L 8-R-L 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Shelves       Shelf Dimensions (W × D)       Max. Load per Shelf       Access Ports, Qty, Position, Diameter       Casters   Leveling Legs       Vacuum Release       Alarms (V= Visual Alarm, B= Buzzer       Power Failure       Power Failure       Door Open       Maintenance Alert       Remote Alarm Contacts       Electrical       Ower Supply       Max Amps       Options       Rackup system       Inner Door Kit with Smaller Doors       Proximity Cards       NCK Module       Optional Communication System       Wireless, Cloud-Based, Automatic Data       Anagement       4-20mA Output Module	aty inches   mm Ibs   kg aty aty ty Alarm, R= Remote Alar	3 (adj 33.7 × : 1 3: upper wall ( bottom left (recorder sensor), br 4 m, A= Adjustable, L= Loggec 4 m, A= Adjustable, L= Loggec 4 0 0 0 0 0 0 0 0 0 0 0 0 0	ustable) 21   855 x 534 10   50 back-up system), attom right (access) 0.6 in   17mm 1 2 1 Auto 3. 8-R-L 4. 8-R-L 8-R-L 8-R-L 8-R-L 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Shelves         Shelf Dimensions (W × D)         Max. Load per Shelf         Access Ports, Qty, Position, Diameter         Casters   Leveling Legs         Vacuum Release         Alarms (V= Visual Alarm, B= Buzzer         Power Failure         Temperature (High and Low)         Sensor Failure         Door Open         Maintenance Alert         Remote Alarm Contacts         Electrical         Oytions         Backup system         Inner Door Kit with Smaller Doors         Proximity Cards         NFC Module         Optional Communication System         Wireless, Cloud-Based, Automatic Data Management         4-20mA Output Module         Certifications and Warranty	aty inches   mm Ibs   kg aty aty ty Alarm, R= Remote Alar	3 (adj 33.7 × : 1' 3: upper wall ( bottom left (recorder sensor), bu 4 m, A= Adjustable, L= Logged V-4 V-8 C-2007, NEMA 6-15P, 60 Hz 8th cord length (2207, NEMA 6-15P, 60 Hz 8th cord length (207, NEMA 6-15P, 70 Hz 8th cord length (207,	ustable) 21   855 x 534 10   50 10   50 10   50 10   50 10   50 10   50 11   7 11   7

<sup>1)</sup> Exterior dimensions of cabinet excluding handle, rear stand-off brackets and other external projections. <sup>2)</sup> 3rd party testing lab using 9 temperature points with 75°F ambient temperature.
 <sup>3)</sup> Nominal value, background noise 20 dB(A).

<sup>4)</sup> Unit software ready for future IOT options.

<sup>5)</sup> NFC is an optional unlock method for Electronic Lock, accessory part number MTR-NFC-PW and MTR-IC-PW; US and Canada only. 6) Current warranty offered at time of printing and may be subject to change; US and Canada only. \* Manufactured by others

#### Specifications are subject to change without notice.

For latest specification information contact PHC Corporation of North America at info@us.phchd.com. Performance data herein is based on independent testing at time of publication.



#### MDF-DU703VHA-PA, 115V | 220V