Full Stainless Door Laboratory/Pharmacy Refrigerator





HXR1A-FS

HXR2A-FS

Monitoring display with user-friendly interface

- 7-inch capacitive multi-touch digital display is user-programmable with temperature in °C or °F
- o Intuitive event and data logging capability with easy download via convenient, front access USB port



Designed for performance

- Modular refrigeration system with microprocessor controller provides reliable performance
- Thermostatic Expansion Valve (TXV) system quickly and effectively regulates refrigerant flow to control temperatures
- o Unique ducted air distribution system maintains uniform temperature for consistent cabinet temperatures at each shelf level
- o Auto-evaporating condensate pan means no overflow or mess

Durable construction

- Stainless steel interior and exterior front, sides and top provide resistance to rust and corrosion and is easy to clean
- Evaporator coils are epoxy electrocoated to help fight corrosion
- o Heavy duty, easy to roll casters (two with locks)

Energy efficient and sustainable

- Energy star certified (excluding 2 glass door models)
- Energy efficient LED lights (full length on glass-door models)
- Environmentally friendly R290 hydrocarbon refrigerant
- o 2 3/8" of CFC-free foamed in place insulation

Product Safety

- Audible and visual alarms for high/low temperature, door open, power failure, and low battery
- o Dry contacts for remote alarming
- Standard access port for third party temperature monitoring

Heavy-duty door(s) for ease of use

- o Multi-pane argon filled glass doors are energy efficient
- o ADA-compliant full-length flush mount handles
- Self-closing doors stay open at 90 degrees for easy product loading
- o Heavy-duty stainless steel hinges
- o Locks standard on all doors











and Storage Icon

HXR1A/2A-FS

HXR1A-FS HXR2A-FS

Side: 0" Top: 0" Rear: 3"

115V/60/1

15.0 Amps

104-126V

5-15P

45°F-80.6°F / 7.2°C - 27°C

31°F-52°F/ -0.56°C - +11.1°C

Interior			
Height	60	24"	
Shelf-dimensions (WxDxH)	21.25"	x 26.00"	
Nominal capacity	23.10 ft ³	50.37 ft ³	
Exterior			
WxDxH	27.5" x 34.5" x 79.5"	55" x 33.5" x 79.5"	

(height with 4" casters)	
Door Opening (WxH)	
Clearance	

Field reversible doors

Electrical Voltage

Amperage

HACR/Breaker Voltage Range Electrical Connection (NEMA) 10 ft. cord/hospital grade plug

Ambient Temp. Range Control Set Point Range

System performance

Energy consump. (kWh/day) @ASHRAE/Energy Star® Heat rejection (BTU/Hr.) @NSF/Energy Star® Approx. nominal compres. BTU/HR(HP)

Refrigerant / charge amount

5

1.25/(2.43)

317/(639)

770(1/4HP)

R290/(4.6oz)

35.5" x 31.5" x 81"

357 lbs.

audible and visual, user

8

3.47

513

1545(1/2HP)

R290/(4.9oz)

58" x 37.5" x 81"

586 lbs.

Alarming

Shipping

High and low product temperature alarm

Shipping size (L x W x H)

Approximate shipping weight

programmable set points in F° or C° Power failure alarm audible and visual

Door aiar alarm audible and visual

Probe error alarm probe errors are detected by MC controller

Alarm volume 0-10 scale Low battery alert audible and visual Back-up battery status shows voltage level

Temperature log settable continuous recording of data Remote contacts No/NC standard, located behind front

panel

Data logging

Information log graphs or displays temperature data and displays chronological event data up to 3 months of data.

Data export

Controls

Temperature display

Information log

3rd party probe access

Product temperature display probe

Temperature probe calibration Password protection PIN

Date and time

Product simulation bottle size Refrigeration and defrost probes

Refrigeration cycle with probe error Programmable operating range

Factory preset

USB export capabilities

7" LCD capacitive touchscreen digital temperature display available in user-programmable F° or C°

up to 3 months of data/ 170,661 records

bottom lower left rear of cabinet; comolded liquid tight plug (nylon & elastomer) which can be pierced by round wire

(1) hard wired (±0.7°F, ±0.4°C)

top probe calibration in 0.1° increments

4-digit password to prevent interface setting/selection changes

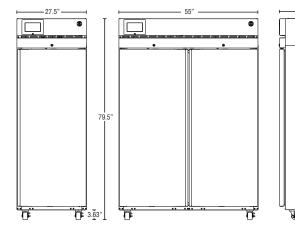
programmable

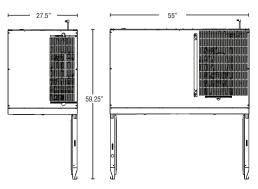
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NTC thermistor type multiple detection functions

31°F - 52°F / -0.56°C - +11.1°C

38°F / 3.3°C







3 Year - parts and Labor on entire machine. 5 Year - Parts on Compressor. Valid in United States, Canada, Puerto Rico and U.S. Territories. Contact factory for warranty in other countries

Hoshizaki reserves the right to change specifications without notice.

Laboratory/Pharmacy Refrigerator





HXR1A-FG

HXR2A-FG

Monitoring display with user-friendly interface

- 7-inch capacitive multi-touch digital display is user-programmable with temperature in °C or °F
- o Intuitive event and data logging capability with easy download via convenient, front access USB port



Designed for performance

- Modular refrigeration system with microprocessor controller provides reliable performance
- Thermostatic Expansion Valve (TXV) system quickly and effectively regulates refrigerant flow to control temperatures
- Unique ducted air distribution system maintains uniform temperature for consistent cabinet temperatures at each shelf level
- Auto-evaporating condensate pan means no overflow or mess

Durable construction

- Stainless steel interior and exterior front, sides and top provide resistance to rust and corrosion and is easy to clean
- Evaporator coils are epoxy electrocoated to help fight corrosion
- o Heavy duty, easy to roll casters (two with locks)

• Energy efficient and sustainable

- o Energy star certified (excluding 2 glass door models)
- Energy efficient LED lights (full length on glass-door models)
- Environmentally friendly R290 hydrocarbon refrigerant
- o 2 3/8" of CFC-free foamed in place insulation

Product Safety

- o Audible and visual alarms for high/low temperature, door open, power failure, and low battery
- o Dry contacts for remote alarming
- o Standard access port for third party temperature monitoring

Heavy-duty door(s) for ease of use

- o Multi-pane argon filled glass doors are energy efficient
- o ADA-compliant full-length flush mount handles
- Self-closing doors stay open at 90 degrees for easy product loading
- o Heavy-duty stainless steel hinges
- o Locks standard on all doors











and Storage Icon

HXR1A/2A-FG

HXR1A-FG HXR2A-FG

Height	60.24"
Shelf-dimensions (WxDxH)	21.25" x 26.00"

23.10 ft3 50.37 ft³ Nominal capacity

Exterior

Interior

WxDxH 27.5" x 34.5" x 79.5" 55" x 33.5" x 79.5" (height with 4" casters)

21.75" x 59.25" Door Opening (WxH)

Clearance Side: 0" Top: 0" Rear: 3"

Field reversible doors

Electrical Voltage 115V/60/1 HACR/Breaker 15.0 Amps

Voltage Range 104-126V Electrical Connection (NEMA) 5-15P

10 ft. cord/hospital grade plug

Ambient Temp. Range 45°F-80.6°F / 7.2°C - 27°C Control Set Point Range 31°F-52°F/ -0.56°C - +11.1°C

System performance

5 8 **Amperage** Energy consump. (kWh/day) @ASHRAE/Energy Star® 1.25/(2.43)3.47 Heat rejection (BTU/Hr.) @NSF/Energy Star® 317/(639) 513 Approx. nominal compres. BTU/HR(HP) 770(1/4HP) 1545(1/2HP) Refrigerant / charge amount R290/(4.6oz) R290/(4.9oz)

Shipping Shipping size (L x W x H) 35.5" x 31.5" x 81" 58" x 37.5" x 81" Approximate shipping weight 357 lbs. 586 lbs.

Alarming

High and low product audible and visual, user temperature alarm

programmable set points in F° or C° Power failure alarm audible and visual

Door aiar alarm audible and visual

Probe error alarm probe errors are detected by MC

controller 0-10 scale

Alarm volume Low battery alert audible and visual Back-up battery status shows voltage level

Temperature log settable continuous recording of data Remote contacts No/NC standard, located behind front

panel

Data logging

Information log graphs or displays temperature data and displays chronological event data up to

3 months of data.

Data export Controls

Temperature display 7" LCD capacitive touchscreen digital

user-programmable F° or C°

Information log

bottom lower left rear of cabinet; co-3rd party probe access

Product temperature display probe

Temperature probe calibration

Password protection PIN

Date and time

Product simulation bottle size

Refrigeration and defrost probes

Refrigeration cycle with probe error

Programmable operating range

Factory preset

temperature display available in

USB export capabilities

up to 3 months of data/ 170,661 records

molded liquid tight plug (nylon & elastomer) which can be pierced by round wire

(1) hard wired (±0.7°F, ±0.4°C)

top probe calibration in 0.1° increments

4-digit password to prevent interface setting/selection changes

programmable

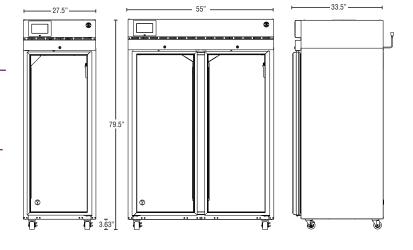
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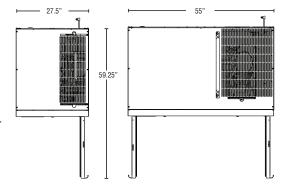
NTC thermistor type

multiple detection functions

31°F - 52°F / -0.56°C - +11.1°C

38°F / 3.3°C





Warranty

3 Year - parts and Labor on entire machine. 5 Year - Parts on Compressor. Valid in United States, Canada, Puerto Rico and U.S. Territories. Contact factory for warranty in other countries

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Laboratory/Pharmacy Freezer

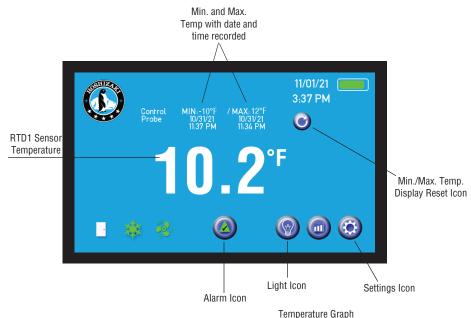




HXF2A-FS

Monitoring display with user-friendly interface

- 7-inch capacitive multi-touch digital display is user-programmable with temperature in °C or °F
- Intuitive event and data logging capability with easy download via convenient, front access USB port



Designed for performance

- Modular refrigeration system with microprocessor controller provides reliable performance
- Thermostatic Expansion Valve (TXV) system quickly and effectively regulates refrigerant flow to control temperatures
- Unique ducted air distribution system maintains uniform temperature for consistent cabinet temperatures at each shelf level
- Auto-evaporating condensate pan means no overflow or mess

Durable construction

- Stainless steel interior and exterior front, sides and top provide resistance to rust and corrosion and is easy to clean
- Evaporator coils are epoxy electrocoated to help fight corrosion
- Heavy duty, easy to roll casters (two with locks)

Energy efficient and sustainable

- Energy star certified (excluding 2 glass door models)
- Energy efficient LED lights (full length on glass-door models)
- Environmentally friendly R290 hydrocarbon refrigerant
- 2 3/8" of CFC-free foamed in place insulation

Product Safety

- Audible and visual alarms for high/low temperature, door open, power failure, and low battery
- Dry contacts for remote alarming
- Standard access port for third party temperature monitoring

Heavy-duty door(s) for ease of use

- Multi-pane argon filled glass doors are energy efficient
- ADA-compliant full-length flush mount handles
- Self-closing doors stay open at 90 degrees for easy product loading
- Heavy-duty stainless steel hinges
- Locks standard on all doors











and Storage Icon

HXFA/2A-FS

	- •		
	HXF1A-FS	HXF2A-FS	
Interior			
Height	60	.24"	
Shelf-dimensions (WxDxH)	21.25"	x 26.00"	
Nominal capacity	23.10 ft ³	50.37 ft ³	
Exterior			
W x D x H (height with 4" casters)	27.5" x 34.5" x 79.5"	55" x 33.5" x 79.5"	
Door Opening (WxH)	21.75"	21.75" x 59.25"	
Clearance	Side: 0" Top	: 0" Rear: 3"	
Field reversible doors			
Electrical			
Voltage		//60/1	
HACR/Breaker		Amps	
Voltage Range	104-126V		
Electrical Connection (NEMA)	5-	15P	
10 ft. cord/hospital grade plug Ambient Temp. Pange	45°E 90.6°E	/ 7.2°C - 27°C	
Ambient Temp. Range Control Set Point Range		-23.3°C - 11.1°C	
	-101-+121/	-23.5 0 - 11.1 0	
System performance			
Amperage	9	9.5	
Energy consump. (kWh/day) @ASHRAE/Energ	gy Star® 1.25/2.43	3.47	
Heat rejection (BTU/Hr.) @NSF/Energy St		513	
Approx. nominal compres. BTU/HR(HF		1545(1/2HP)	
Refrigerant / charge amount	R290/(4.6oz)	R290/(4.9oz)	
Shipping			
Shipping size (L x W x H)	35.5" x 31.5" x 81"	58" x 37.5" x 81"	
Approximate shipping weight	361 lbs.	581 lbs.	
Alarming			
High and low product temperature alarm	audible and visual, programmable set		
Power failure alarm	audible and visual		
Door ajar alarm	audible and visual		
Probe error alarm	probe errors are detected by MC controller		
Alarm volume	0-10 scale		
Low battery alert	audible and visual		
Back-up battery status	ack-up battery status shows voltage level		
Tomporatura log	cottoble continuous	recording of data	

Data logging	
Information log	graphs or displays temperature data and displays chronological event data up to 3 months of data.
Data export	USB export capabilities
Controls	
Temperature display	7" LCD capacitive touchscreen digital temperature display available in

Information log

3rd party probe access

Product temperature display probe

Temperature probe calibration

Password protection PIN

Date and time

Product simulation bottle size Refrigeration and defrost probes Refrigeration cycle with probe error

Programmable operating range

Factory preset

up to 3 months of data/ 170,661 records bottom lower left rear of cabinet; comolded liquid tight plug (nylon & elastomer)

which can be pierced by round wire

(1) hard wired $(\pm 0.7^{\circ}F, \pm 0.4^{\circ}C)$

user-programmable F° or C°

top probe calibration in 0.1° increments

4-digit password to prevent interface setting/selection changes

programmable

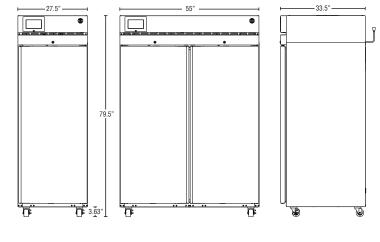
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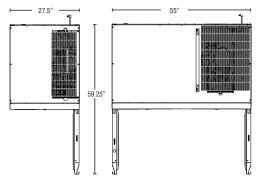
NTC thermistor type

multiple detection functions

-10°F - +12°F/ -23.3°C - -11.1°C

-5°F / -21°C





Warranty

Temperature log

Remote contacts

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settable continuous recording of data

No/NC standard, located behind front

panel

Laboratory/Pharmacy Freezer



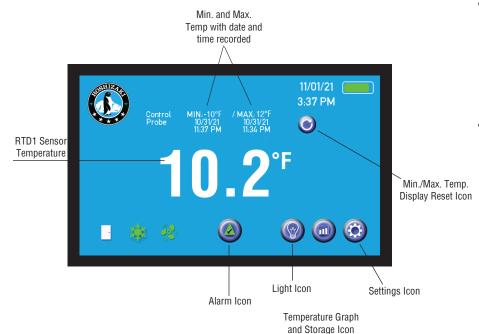


HXF1A-FG

HXF2A-FG

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Heavy-duty door(s) for ease of use

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- Self-closing doors stay open at 90 degrees for easy product loading
- o Heavy-duty stainless steel hinges
- o Locks standard on all doors











HXF1A/2A-FG

-				Item # 13600
	HXF1A-FG	HXF2A-FG		
Interior			Data logging	
Height	60).24"	Information log	graphs or displays temperature data and displays chronological event data up to
Shelf-dimensions (WxDxH)	21.25"	x 26.00"		3 months of data.
Nominal capacity	23.10 ft ³	50.37 ft ³	Data export	USB export capabilities
Exterior		1	Controls	
	27.5" x 34.5" x 79.5"	55" x 33.5" x 79.5"	Temperature display	7" LCD capacitive touchscreen digital temperature display available in user-programmable F° or C°
Door Opening (WxH)	21.75"	x 59.25"	Information log	up to 3 months of data/ 170,661 records
Clearance	Side: 0" Top	o: 0" Rear: 3"	3rd party probe access	bottom lower left rear of cabinet; co-
Field reversible doors				molded liquid tight plug (nylon & elastomer which can be pierced by round wire
Electrical			Product temperature display probe	(1) hard wired ($\pm 0.7^{\circ}F$, $\pm 0.4^{\circ}C$)
Voltage	115	V/60/1	Temperature probe calibration	top probe calibration in 0.1° increments
HACR/Breaker Voltage Range) Amps -126V	Password protection PIN	4-digit password to prevent interface setting/selection changes
Electrical Connection (NEMA)		-15P	Date and time	programmable
• 10 ft. cord/hospital grade plug	9		Product simulation bottle size	20ml
Ambient Temp. Range	45°F - 80.6°l	F / 7.2°C - 27°C	Refrigeration and defrost probes	NTC thermistor type
Control Set Point Range		-23.3°C - 11.1°C	Refrigeration cycle with probe error	multiple detection functions
			Programmable operating range	-10°F - +12°F/ -23.3°C11.1°C
System performance		ı	Factory preset	-5°F/-21°C
Amperage	9	9.5		
Energy consump. (kWh/day) @ASHRAE/Energy	Star® 1.25 /(7.99)	3.47		
Heat rejection (BTU/Hr.) @NSF/Energy Sta	r® 317 (639)	513	27.5"	55" ———————————————————————————————————
Approx. nominal compres. BTU/HR(HP)	770(1/4HP)	1545(1/2HP)		
Refrigerant / charge amount	R290/(4.6oz)	R290/(4.9oz)		
Shipping				
Shipping size (L x W x H)	35.5" x 31.5" x 81"	58" x 37.5" x 81"		
Approximate shipping weight	382 lbs.	623 lbs.	79.5"	
Alarming				
High and low product temperature alarm	audible and visual, programmable set			
Power failure alarm	audible and visual		[] 3. <u>6</u> 3"	
Door ajar alarm	audible and visual		т т <u>ж</u> т ф	T
Probe error alarm	probe errors are de controller	etected by MC	├ 27.5" ├	. 55" ———
Alarm volume	0-10 scale		, , , , , , , , , , , , , , , , , , ,	Final Institution of the Control of
Low battery alert	audible and visual			
Back-up battery status	shows voltage leve	el	*42*101.4.	Mary Na 1111

settable continuous recording of data

No/NC standard, located behind front

panel

Warranty

Temperature log

Remote contacts

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