

# I. GENERAL INFORMATION

## 1. SAFETY INSTRUCTIONS

The following instructions contain important safety precautions and should be strictly observed. The terms used here are defined as follows:

**WARNING:** There is a possibility of death or serious injury to the service person and a third party or the user due to improper service operations or defects in serviced products.

**CAUTION:** There is a possibility of injury to the service person and a third party or the user or damage to their property\* due to improper service operations or defects in serviced products.

\* The term "damage to their property" here refers to extensive damage to household effects, houses and pets.

### **WARNING**

1. Always ask the user to keep children away from the work area. They may be injured by tools or disassembled products.
2. When there is no need to energize the unit during disassembly or cleaning, be sure to unplug the unit or disconnect the main power supply before servicing the unit to prevent electric shocks.
3. If the unit must be energized for inspection of the electric circuit, use rubber gloves to avoid contact with any live parts resulting in electric shocks.
4. Keep the following in mind when servicing the refrigeration circuit:
  - (1) Be sure to recover the refrigerant. Do not discharge it into the atmosphere. It will affect the environment.
  - (2) Check for any flames in the vicinity, and ensure good ventilation.
  - (3) If the refrigerant should leak in servicing, immediately put out any fire used in the vicinity.
  - (4) When unbrazing the refrigeration circuit connections, check that the circuit is completely evacuated. The refrigerant may produce a poisonous gas when coming in contact with an open flame.
  - (5) Do not braze in an enclosed room to prevent carbon monoxide poisoning.
  - (6) In case of a refrigerant leak, locate and repair the leaking part completely before recharging the refrigerant and checking for further leaks. If the leaking part cannot

be located, be sure to check again for further leaks after recharging the refrigerant. Leaked refrigerant may produce a poisonous gas when coming in contact with an open flame of a gas cooking stove or a fan heater.

- (7) Before servicing, check the surface temperature of the refrigeration circuit to prevent a burn.

5. Keep the following in mind when making electrical connections:

- (1) Check for proper earth connections, and repair if necessary to prevent electric shocks.
- (2) Always use service parts intended for the applicable model for replacement of defective parts. Use proper tools to secure the wiring. Otherwise abnormal operation or trouble may occur and cause electric leaks or fire.
- (3) Check for proper part installations, wiring conditions and soldered or solderless terminal connections to avoid fire, heat or electric shocks.
- (4) Be sure to replace damaged or deteriorated power cords and lead wires to prevent fire, heat or electric shocks.
- (5) Cut-off lead wires must be bound using closed end connectors or the like, with their closed ends up to avoid entrance of moisture that could lead to electric leaks or fire.
- (6) After servicing, always use a megohmmeter (500V DC) to check for the insulation resistance of at least 1 megohm between the live part (attachment plug) and the dead metal part (earth terminal).
- (7) Do not service the electrical parts with wet hands to prevent electric shocks.
- (8) The capacitors used for the compressor and other components may be under high voltage and should be discharged properly before servicing.

## **CAUTION**

1. After servicing, follow the instructions below:

- (1) Always check the unit for proper operation before finishing services.
- (2) Be sure to reassemble the parts completely. Loose assembly of such parts as control box cover may cause entrance of vermins resulting in a short circuit between terminals and possible ignition.

## 2. DIMENSIONS/SPECIFICATIONS \*Representative (standard) models only

### [a] HRE-77MA-CHD (Model Code: R262-C501)

ITEM	Hoshizaki Reach-in Refrigerator
MODEL	HRE-77MA-CHD
POWER SUPPLY	1 Phase 220 - 240V 50Hz Capacity: 0.46kVA (2.10A)
AMPERAGE	Rated: 1.61A Starting: 6.8A
ELECTRIC CONSUMPTION	237 (Power Factor: 64%) Heater: 26W Defrost: 26W
HEAT REJECTION	410W
POWER CORD	2.3m (Plug with Earth Wire)
EFFECTIVE CAPACITY	546L
OUTSIDE DIMENSIONS	700mm(W)×800mm(D)×1990(-2020)mm(H)
INSIDE DIMENSIONS	596mm(W)×646mm(D)×1484mm(H)
EXTERIOR	Stainless Steel, Galvanized Steel(Rear, Bottom)
INTERIOR	Stainless Steel, ABS Plastic(Door)
INSULATION	Polyurethane Foam
INSULATION FOAM BLOWING AGENT	Cyclopentane
REFRIGERATION SYSTEM	Forced Air Circulation
DEFROST SYSTEM	Off Cycle
COMPRESSOR	Hermetic 158W
CONDENSER	Fin and Tube type, Air-cooled
EVAPORATOR	Fin and Tube type
REFRIGERANT	R134a
TEMPERATURE CONTROL	Microprocessor (Digital Temp. Indication) Adjustable from -2 to 12°C
DEFROST CONTROL	Microprocessor
ELECTRIC CIRCUIT PROTECTION	Earth Wire
REFRIGERANT CIRCUIT PROTECTION	Motor Protector (Auto-reset)
LEG	Plastic Adjustable from 90 to 120mm
SHELF	4 pcs.(Include Bottom Shelf)
WEIGHT	98kg (Gross 120kg)
PACKAGE	Carton (Wooden Pallet) 760mm(W)×900mm(D)×2075mm(H)
ACCESSORIES	Drain Hose× 1
OPERATING CONDITIONS	Ambient Temperature: 5 - 43°C Voltage Range: Rated Voltage ± 6%

\*We reserve the right to make changes in specifications and design without prior notice.

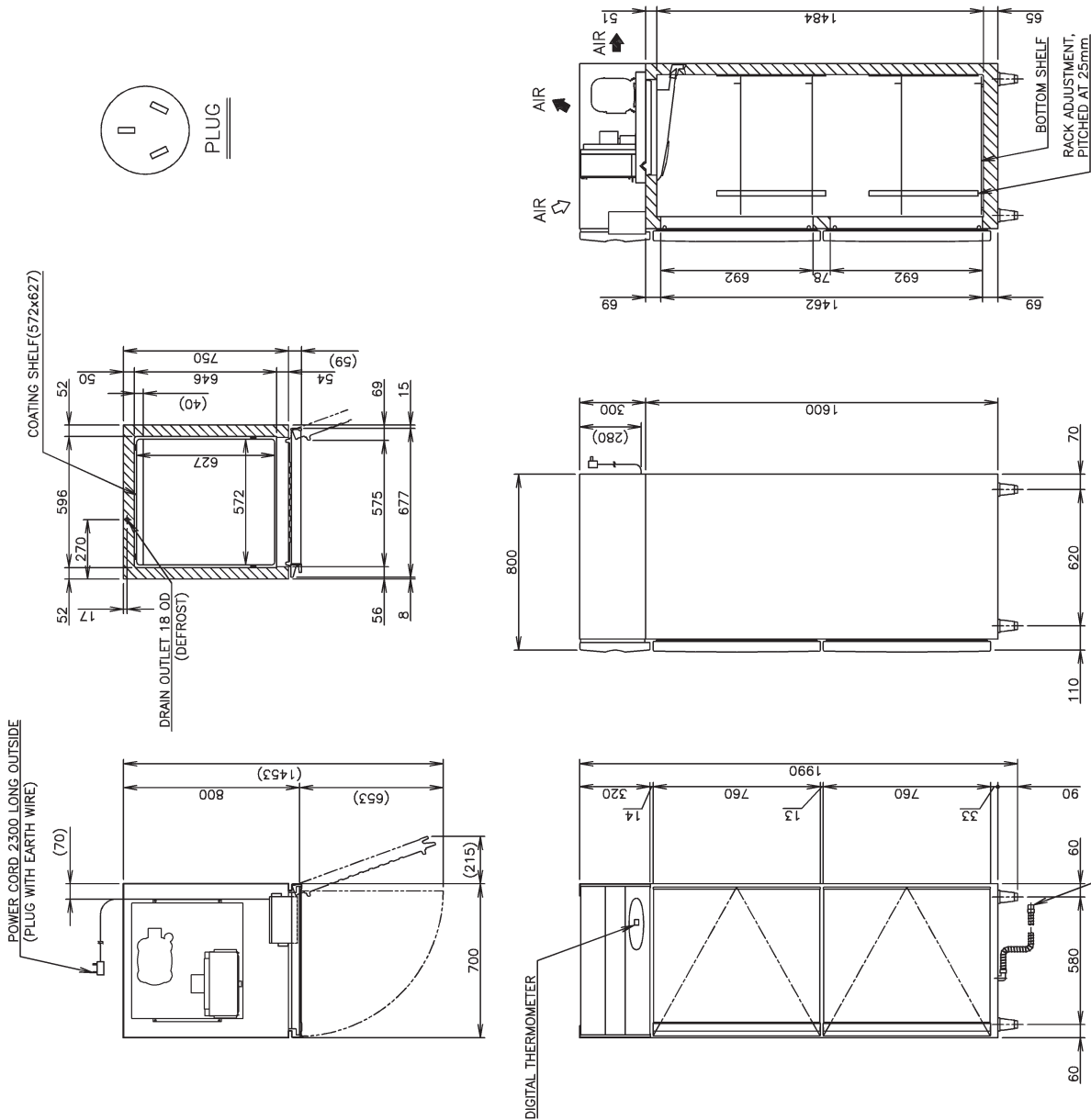
1. Install the product properly in accordance with the instructions on location, water supply/drain connections and electrical connections stated in the instruction and installation manuals provided.

2. Allow 10mm extra space at the installation site to meet any installation requirements (additional spacing is also required for proper air flow and pipe connections).

3. The heat rejection is based on the reached pull-down temperature at ambient temperature of 35°C.

3. Product Code: R262-C501

\*CUSTOMIZED  
SUS 430



# [b] HRE-127MA-CHD (Model Code: R263-C501)

ITEM	Hoshizaki Reach-in Refrigerator
MODEL	HRE-127MA-CHD
POWER SUPPLY	1 Phase 7/0 - 240V, 50Hz Capacity: 0.77kVA (3.3A)
AMPERAGE	Rated: 2.44A Starting: 1.2A
ELECTRIC CONSUMPTION	343W (Power Factor: 60%) Heater: 52W Defrost: 52W
HEAT REJECTION	560W
POWER CORD	2.3m (Plug with Earth Wire)
EFFECTIVE CAPACITY	1110L
OUTSIDE DIMENSIONS	1200mm(W) x 800mm(D) x 1990(-2020)mm(H)
INSIDE DIMENSIONS	1096mm(W) x 646mm(D) x 1484mm(H)
EXTERIOR	Stainless Steel, Galvanized Steel (Rear, Bottom)
INTERIOR	Stainless Steel, ABS Plastic (Door)
INSULATION	Polyurethane Foam
INSULATION FOAM BLOWING AGENT	Cyclopentane
REFRIGERATION SYSTEM	Forced Air Circulation
DEFROST SYSTEM	Off Cycle
COMPRESSOR	Hermetic 270W
CONDENSER	Fin and Tube type, Air-cooled
EVAPORATOR	Fin and Tube type
REFRIGERANT	R134a
TEMPERATURE CONTROL	Microprocessor (Digital Temp. Indication) Adjustable from -2 to 12°C
DEFROST CONTROL	Microprocessor
ELECTRIC CIRCUIT PROTECTION	Earth Wire
REFRIGERANT PROTECTION	Motor Protector (Auto-reset)
LEG	Plastic, Adjustable from 90 to 120mm
SHELF	8 pcs. (Include Bottom Shelf)
WEIGHT	141kg (Gross, 172kg)
PACKAGE	Carton (Wooden Pallet) 1260mm(W) x 900mm(D) x 2075mm(H)
ACCESSORIES	Drain Hose x 1
OPERATING CONDITIONS	Ambient Temperature: 5 - 43°C Voltage Range: Rated Voltage ±6%

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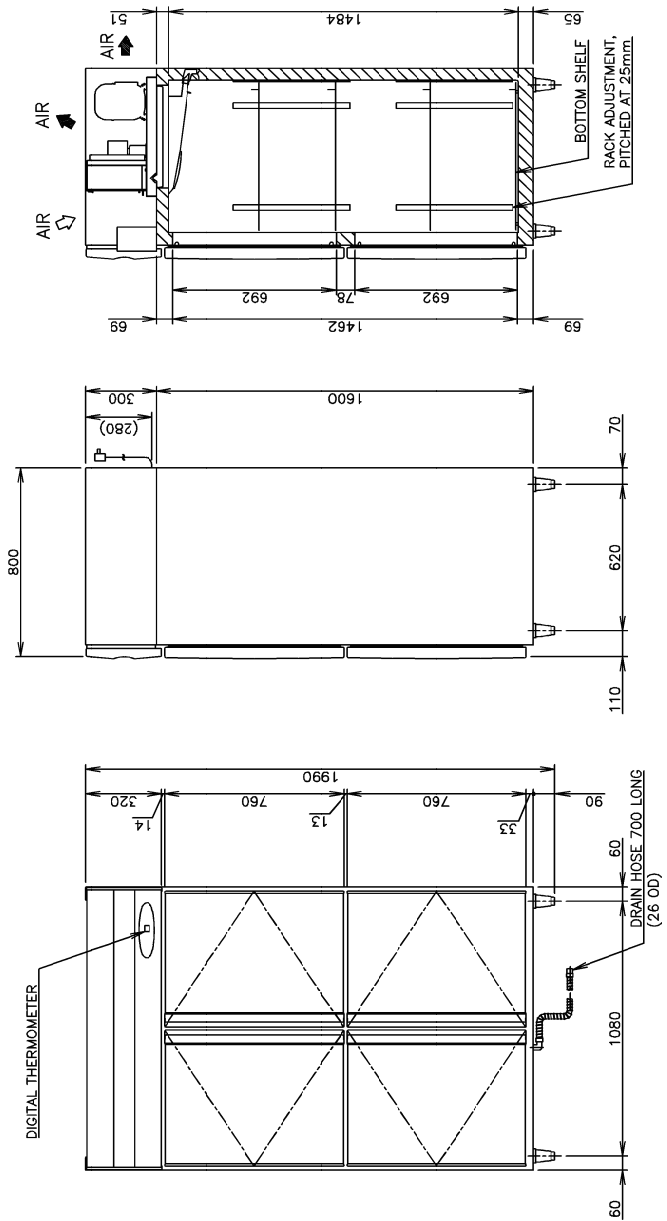
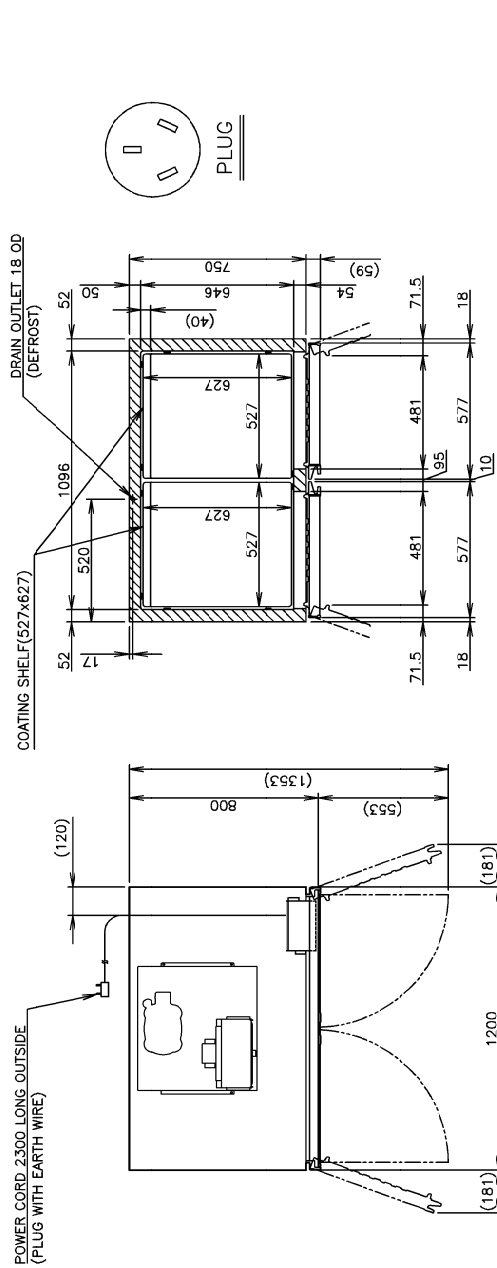
1. Install the products properly in accordance with the instructions on location, water supply/drain connections and electrical connections stated in the instruction and installation manuals provided.

2. Allow 10mm extra space at the installation site to meet any installation requirements (additional spacing is also required for proper air flow and pipe connections).

3. The heat rejection is based on the reached pull-down temperature at ambient temperature of 35°C.

3. Product Code: R263-C501

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# [c] HRE-147MA-CHD (Model Code: R264-C501)

ITEM	Hoshizaki Reach-in Refrigerator
MODEL	HRE-147MA-CHD
POWER SUPPLY	1 Phase 220 - 240V 50Hz Capacity: 0.72kVA (3.3A)
AMPERAGE	Rated: 2.44A Starting: 12A
ELECTRIC CONSUMPTION	343W (Power Factor: 60%) Heater: 52W Defrost: 52W
HEAT REJECTION	610W
POWER CORD	2.3m (Plug with Earth Wire)
EFFECTIVE CAPACITY	1217L
OUTSIDE DIMENSIONS	1400mm(W)×800mm(D)×1990(-2020)mm(H)
INSIDE DIMENSIONS	1296mm(W)×646mm(D)×1484mm(H)
EXTERIOR	Stainless Steel, Galvanized Steel (Rear, Bottom)
INTERIOR	Stainless Steel, ABS Plastic (Door)
INSULATION	Polyurethane Foam
INSULATION BLOWING AGENT	Cyclopentane
REFRIGERATION SYSTEM	Forced Air Circulation
DEFROST SYSTEM	Off Cycle
COMPRESSOR	Hermetic 270W
CONDENSER	Fin and Tube type, Air-cooled
EVAPORATOR	Fin and Tube type
REFRIGERANT	R134a
TEMPERATURE CONTROL	Microprocessor (Digital Temp. Indication) Adjustable from -2 to 12°C
DEFROST CONTROL	Microprocessor
ELECTRIC CIRCUIT PROTECTION	Earth Wire, Circuit Breaker
REVERSE CIRCUIT PROTECTION	Motor Protector (Auto-reset)
LEG	Plastic Adjustable from 90 to 120mm
SHELF	8 pcs. (Include Bottom Shelf)
WEIGHT	159kg (Gross 193kg)
PACKAGE	Carton (Wooden Pallet) 1460mm(W)×900mm(D)×2075mm(H)
ACCESSORIES	Drain Hose x 1
OPERATING CONDITIONS	Ambient Temperature: 5 - 43°C Voltage Range: Rated Voltage ±6%

\*We reserve the right to make changes in specifications and design without prior notice.

1. Install the product properly in accordance with the instructions on location, water supply/drain connections and electrical connections stated in the instruction and installation manuals provided.  
Allow 10mm extra space at the installation site to meet any installation requirements (additional spacing is also required for proper air flow and pipe connections).
2. The heat rejection is based on the reached pull-down temperature at ambient temperature of 35°C.
3. Product Code: R264-C501

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