

Read before using. Keep it forever.

Thank you for choosing KUBOTA vending machine.

This manual guides through correct operation of the vender.

Please read this manual in entirety beforehand, and follow its instructions.

Adding to this "Operation Manual", there are "Safety Manual" and "Keyboard Operation Manual". Read all manuals before using. Do not discard this manual after reading, and refer back to it if there is anything uncertain with the operation.

Index

Installation	1	Collect cash	5
Part description	3	Stock coin before use	5
Operating the doors	4	How to remove and mount rack	6
Connect to power supply	4	Cleaning bucket and column	7
Loading products	5	How to operate selection button (Ten Key)	7
Replacing sold products	5	Specifications	8
Test vending	5		

Installation Installing the vender is the basic step for correct and safe operation. Instructions hereunder must be complied:

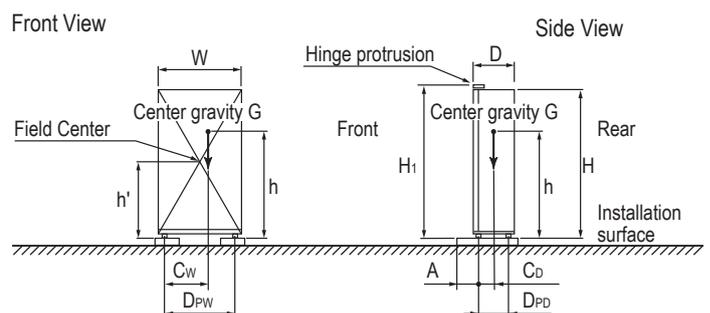
WARNING



- Installing, moving, or relocating the vender must be performed by qualified personnel. Please contact a vending machine locating service or your dealer.
- Comply local laws and regulations when installing the vender. Illegal or improper installation may result in fall over accidents, electric shock, fire hazard, burning or water leakage.
- Unpack the vender on a leveled platform. Vender may tip over when unpacked on a tilted surface.
- Please be careful when opening the door before anchoring. The machine may tip over.

Installment requirements

	Unit	Empty	Fully loaded
G : Weight	kg	245	385
h : Height of the center of gravity	mm	934	1063
C _D : Distance from the center of gravity to center of the front legs	mm	394	446
C _W : Distance from the center of gravity to center of the left side legs	mm	390	391
D _{PD} : Distance between front and rear legs	mm	838	
D _{PW} : Distance between left and right legs	mm	775	
h' : Height of the center	mm	925	
H×W×D: Exterior dimension	mm	1846×813×908	
H ₁ : Height including projections	mm	1846	



- "A", "h", "h'" is based on when maximum height "H" = 1896mm. Weight when fully loaded is that of when loaded with product of maximum mass. When leveling screws are lowered or utilization of anchoring plate (counter mass) will improve the center of gravity height, therefore requires recalculation. "A" length must be recalculated to meet the actual condition for proper installment.
- If in case when improving the "A" length by placing a counter weight inside the vender, beware of tipping forwards when the door is open.

	A Length (mm)	Anchoring plate model
Ground floor and 1st floor A1=0.5h-C	85	1050
2nd floor and above A2=0.86h-C	468	1300
Highest floor, or on the roof Au=2h-C	Installation of separate construction	
<ul style="list-style-type: none"> ● C is calculated as an A length when tipping over forward. In case tipping over sideways or backward is predicted, either calculate their A length separately, or contact us. ● Please refer to the Installment Requirement Manual for the symbol of the anchoring plate model. 		

Installation

※ Below is the calculation data with the condition of "Products are fully loaded" from the previous page table.

Required fixation (estimated pulling force on the ground surface which may apply on the legs during an earthquake)

Rear legs (measure for tipping forward)

- fixing clamp: type E x 1 piece (pulling strength → 1 piece: 307 [N], 2 pieces: 154 [N])
- M10 anchor: 1 piece → minimum edge distance: more than 40 mm
- M12 anchor: 1 piece → minimum edge distance: more than 50 mm (pulling strength → 1 piece: 615 [N], 2 pieces: 307 [N])

Front legs (measure for tipping backward)

- fixing clamp: type E x 1 piece (pulling strength → 1 piece: 503 [N], 2 pieces: 251 [N])
- M10 anchor: 1 piece → minimum edge distance: more than 40 mm
- M12 anchor: 1 piece → minimum edge distance: more than 50 mm (pulling strength → 1 piece: 1006 [N], 2 pieces: 503 [N])

Location

Because this machine is an indoor-only machine type, it cannot be installed in a place exposed to rain and wind.

Install for indoors.

If you will do the installation in the following places, please consult with our sales department.

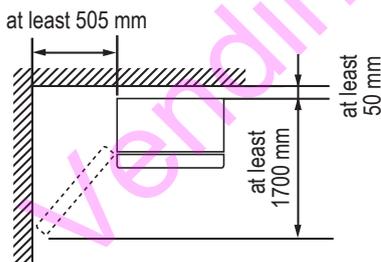
- High exposure to salt breeze or corrosive gas.
- Great amount of shakes and vibrations.

Please consult the local fire department if locating the vender in following location:

- Near a fire protective device.
- Places which use flammable substances or gas.
- Petrol station.
- Evacuation routes or equipment.

Required space

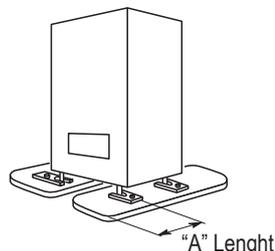
Make sure there is enough space to open the front door for loading. Vender also needs clearance for adequate air flow for the condensing unit in order to perform effectively.



Indoor locations

Please use anchoring plate in locations where anchoring is not possible. Refer to the Installment requirements for anchoring plate models and "A" length.

If it is impossible to secure enough "A" length, please apply additional fixation.

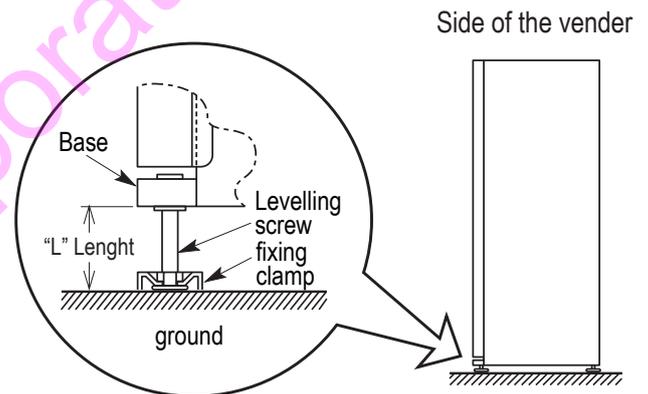


Installing the vender

Leveling adjustment

Turn the leveling screw to adjust the tilt of the vender to within 1 degrees for both lateral and horizontal direction.

Also, the "L" height must be within 86mm for safety.



※ "L" height is the gap between the base of the vender to the ground.

CAUTION



Inspect brackets periodically for proper installation. Please contact the service technician or your dealer if there is anything wrong. Operation under improper installation may result in fall over accident.

Grounding

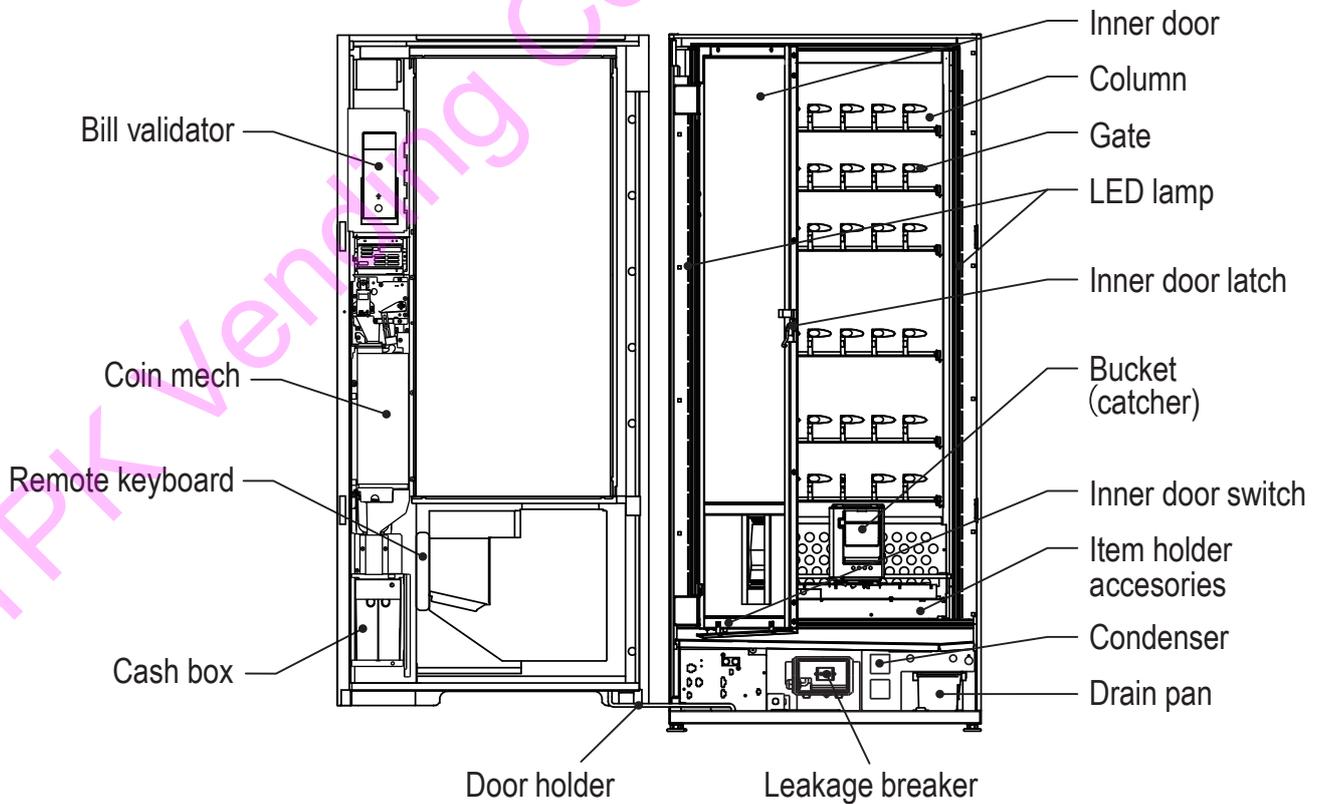
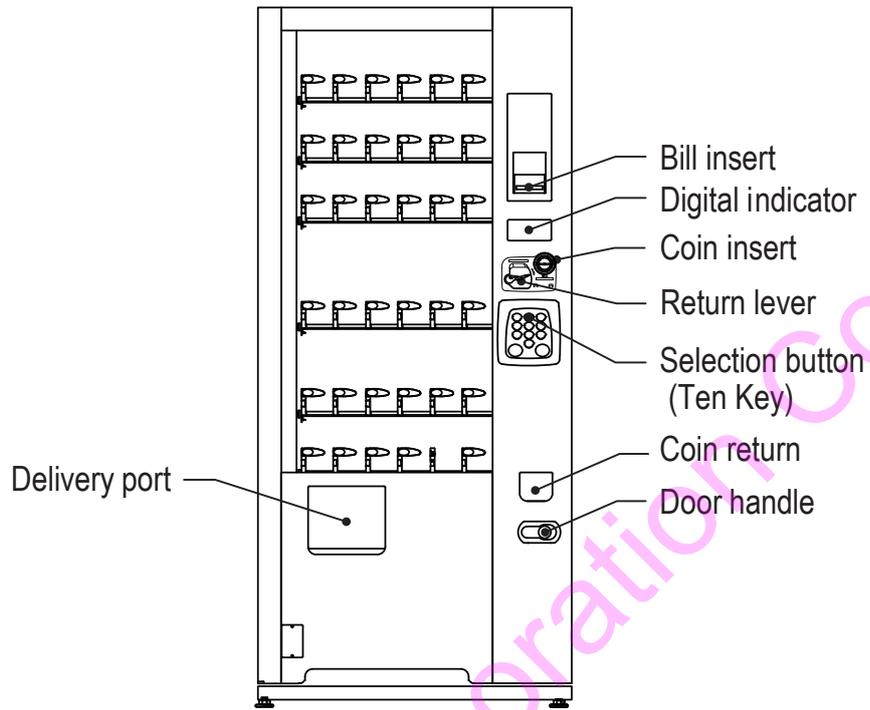


Grounding is necessary to prevent electric shock in case of electric leakage.

Always ground the vender properly.

Part description

■ Body



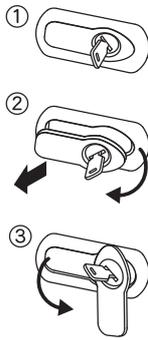
Operation the doors

Opening and closing the door

How to open the door

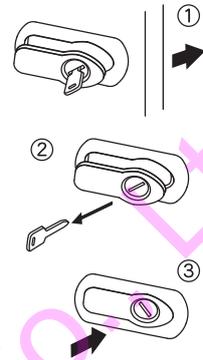
- 1) Insert the key into the keyhole.
- 2) Turn key to the right, and the door handle will pop out.
- 3) Turn the door handle counterclockwise to open the door.

※ If the handle rotation feels heavy, rotate while pressing the door, then the door will open easily.



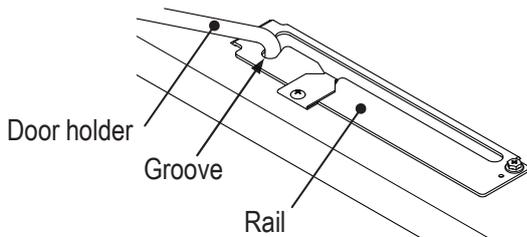
How to close the door

- 1) Close the door.
- 2) Remove the key.
- 3) Press the door lever until it locks.
- 4) Make sure the door is locked completely.



Holding the door

To hold the door open, hook the door holder latch into one of the slots in the rail.

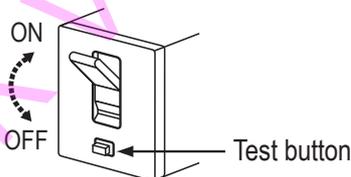


	CAUTION
Beware not to trap your fingers.	
	CAUTION
Always use the door holder when the door is open.	
<ul style="list-style-type: none"> • Strong wind may cause the door to close unexpectedly, and cause injury. 	

Connect to power supply

- 1) Connect the power supply plug to a power outlet. Make sure it is plugged in all the way.

- 2) Switch on the leakage breaker.



- 3) Once the bucket is in the initial movement position, check whether the light [ON SALE] is on (installation time).

	CAUTION
Clean the power plug occasionally, and make sure that it is plugged in all the way.	
<ul style="list-style-type: none"> • May cause fire if dust piles up on the connection point. 	

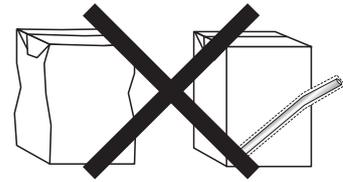
	CAUTION
The use of an extension cord and an electric socket with excessive load could cause a fire.	

	WARNING
Inspect the leakage breaker at least once a month that it is functioning correctly.	
<ul style="list-style-type: none"> • May cause electric shock if it is not functioning correctly. 	

	WARNING
Do not handle the power plug and switches with a wet hand.	
<ul style="list-style-type: none"> • May cause electric shock. 	

Loading products

- Do not insert leaked products, severely deformed products and products with detached straws.
- After completing the product loading, push the rack properly as the sticker attached to the body, make sure that the rack is no longer moving.
- If there are items remaining in the column, the items should be sold first, arrange new products behind the remaining products.
(Put the system "first come, first served" in place.)



Replacing sold products

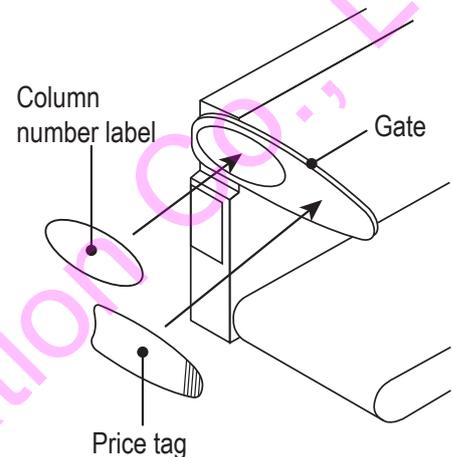
Replacement of sold products

If you want to replace the products sold, as a reference, use the items as explained before [Loading Items] or the sticker attached to the body.

Changing price and column number displays

Attach price tag and column number label (product number label) on the gate.
For the column number label and the price tag, if necessary, attach from the top of accessories seal.

- ※ Price setting is done using the remote keyboard.
To find out how set price, refer to see the keyboard operation manual, which is on a separate sheet.



Test vending

Tests to confirm the vender functioning correctly.

Test vend

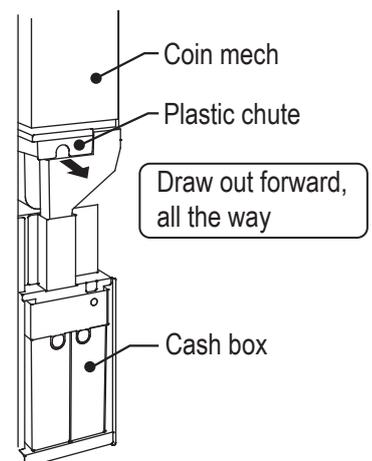
- 1) Insert coins.
- 2) Press the product number on the selection button (Ten Key), and then press [Enter] key.
- 3) Check for correct product and change returned.

Collect cash

Inserted cash will be collected in the bill validator and the cash box.
Please collect the cash at occasions when loading the product.

How to collect change

- 1) Draw out the plastic chute located below the coin mech forward.
- 2) Push the coin payout button on the coin mech.
- 3) All changes will be collected in the cash box.
NOTE) Few coins may remain inside the coin mech depending on the coin mech model.
- 3) Return the plastic chute to original position.



Stock coin before use

Particular type of coin-mech may require security stock of coins in every coin tube.

If necessary amount of coin is not stocked, coin-mech may not be able to payout the coins correctly.

Please store appropriate number of security stock according to instruction by the coin-mech manufacturer before use.

For example, certain coin-mech may require at least 4 coins in stock for each tube, but least amount of required security stock depends on the coin-mech model.

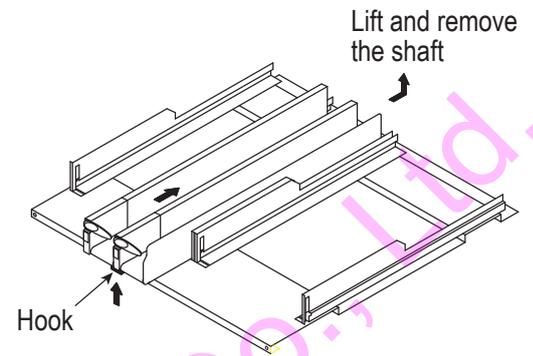
How to remove and mount rack

How to remove rack

Before removing the rack, any products inside the rack must be released first.

- From the top, rack levels 1 and 2.
 - 1) Slightly pull forward, while pressing the hook upward.
After the front rack is removed, press the rack inward.
 - 2) Lift the rear part of the rack upward from the rail, and remove the shaft.
 - 3) After that, pull the rack forward, and remove it from the shelf.
- From the top, rack levels 3 and below.
 - 1) The hook is slightly held downward, and then the rack is pulled forward to its end.
 - 2) While lifting the front part of the rack, pull forward and remove the rack.

[Rack levels 1 and 2]

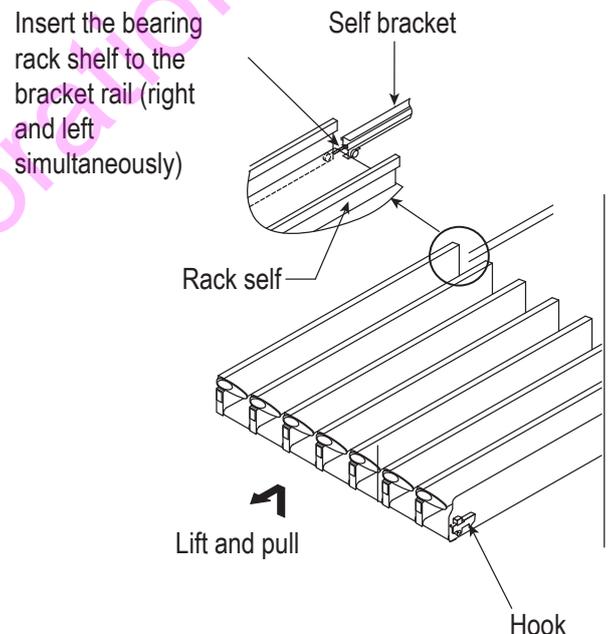


How to mount rack

In mounting the rack, perform it in a reverse order of the rack removal.

- From the top, rack levels 1 and 2.
 - 1) Insert the rack from the top, but first insert the shaft into the rail.
 - 2) Pull the rack forward once, and then push inward to the end.
 - 3) Make sure the rack does no longer move forward or backward.
- From the top, rack levels 3 and below.
 - 1) Insert the rack into the bracket horizontally.
 - 2) When it is stuck, push it inward, while lifting the front part of the rack.
Level it back, and push to the end.
 - 3) Make sure the rack does no longer move forward or backward.

[Rack levels 3 and below]



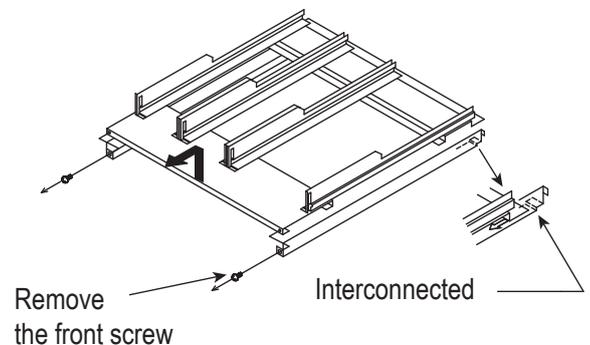
How to remove rack shelf

From the top, below the rack levels 1 and 2 is the rack shelf. Remove the fastening screw and then pull out while lifting it obliquely forward.

How to mount rack shelf

In mounting the rack, perform it in a reverse order of the rack removal.

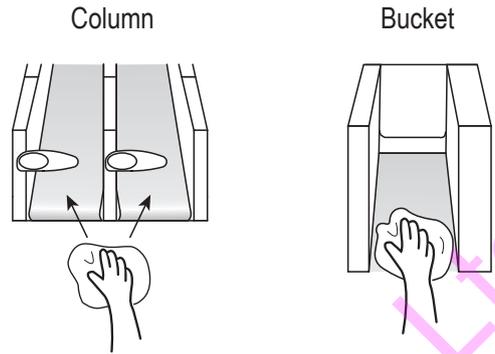
Insert the rack shelf to the bracket slit and then securely fasten the screw.



- When removing the rack shelf, do not remove the bracket lying on the rack shelf simultaneously. It may cause the possibility of the bracket unable to move normally.
- At the time of removing or mounting the rack shelf, pay careful attention so as not to get entangled with the left power cord.

Cleaning bucket and column

Perform routine cleaning (monthly) of the part of the column, bucket, belt and other surfaces that deliver the products, by way of wiping dirt with a cloth and others.



How to operate selection button (Ten Key)

Digital indicator



● Product selection order

1) Press the number of selected product (the number written in front of the product) by pressing Ten Key.

The number of selected product will be displayed on the digital indicator.

- The number to be displayed is the last 2 digits

< example >

Ten Key	Display	Products sold
(7)(5)(2)(4) →	[24]	Product number 24

- For numbers below 10, the 0 digit is not displayed.

(8) / (0)(8) →	[8]	Product number 8
----------------	-----	------------------

2) If the number is correct, press [Enter] key.

Selection button (Ten Key)



● Key functions

(0) ~ (9) key numbers 0 ~ 9

- It is used to press the number of selected product.

(Enter) Enter key

- Press [Enter] key when the number of selected product is according to the number displayed.

(Although the [Enter] key is not pressed, within a while it will adjust automatically for sale.)

(Cancel) Cancel key

- It is used when incorrectly pressing the number and desiring to replace it.

Specifications

Model		KB-GF41-S
Dimensions		813 mm wide x 908 mm deep (+ 26mm protruding part) × 1846 mm high
Weight		Approximately 245 Kg
Lighting		LED lamp × 2
Required rear clearance		At least 50mm
Power requirements	Rated voltage	AC 220-240V Connect to an exclusive outlet with rated current exceeding 10A
	Rated frequency	50Hz
Power consumption		410W (AC230V)
Vending system	Vending mechanism	Catcher type is equipped with a bucket with XY-elevator delivery method
	Products sold	See the sticker Products and Column Configuration attached to the body.
	Selections	41 selection
	Loading capacity	328 pieces (large bottle of 330 ml) ※ Based on shape of products, the capacity may decrease or increase.
Cooling	Refrigeration unit	Compressor : Reciprocating compressor
		Refrigerant : R134a
		Temperature adjustment : Automatic

- Based on the improvements and others, it is subject to change in contents of the specifications without prior notice.

■ Warranty

- In case of trouble occurrence within guarantee period under proper operating condition, please contact the service technician, and PT. METEC SEMARANG will be responsible for a free repair.
 - 1) Follow instructions in the manual for correct installation, operation, care and maintenance.
 - 2) Do not modify, process, or relocate the vender without noticing the manufacturer.
 - 3) Please replace the expendables at your own responsibility.
- Cases as in below will not be covered by this warranty.
 - 1) Troubles occurring from improper operation.
 - 2) Damages caused by fire, vandalism, or natural disasters.
 - 3) Machines that have expired the guarantee period.
- Loss of products and cash due to deterioration, damage, deformation, vandalism are not covered by this warranty.