

centaur

from SKOPE

Commercial Refrigerators & Freezers

Owner's Manual

Upright Reach-Ins



ISO-9001

ETL

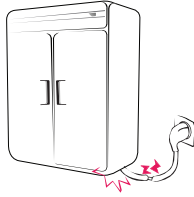
STANDARD-7

Safety Notices



WARNING - When using your appliance, always follow basic precautions, including the following :

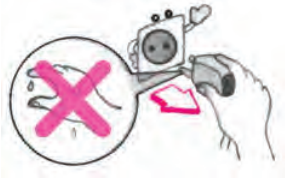
When installing the unit, be careful that the electrical cord is not under the unit or pressed against the wall. This could cause damage to the cord.



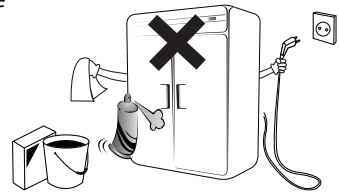
Before starting the unit for the first time, make sure the unit is free from all packaging. Packaging left on the unit during operation may cause a fire hazard.



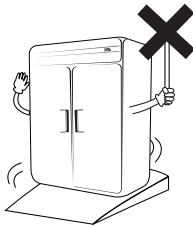
To prevent electrical shock, please do not plug or unplug the cord with wet hands.



Before cleaning or maintaining the unit, please unplug it. Do not use any flammable cleaning products on or around the unit.



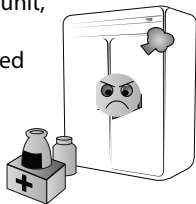
Install the unit on a hard and level surface.



Please do not hang or climb on the unit as this may cause the unit to fall.



Please do not store temperature sensitive items in the unit, such as medical or science research related materials.



If you suspect a refrigerant leak, unplug the unit and immediately contact an authorized service technician.

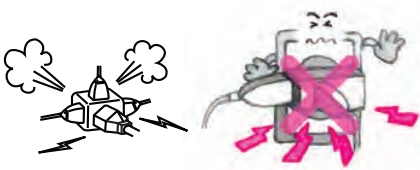


Safety Notices

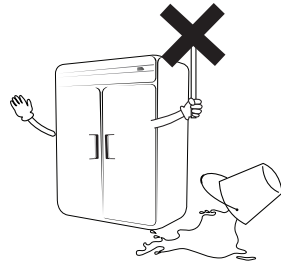


WARNING - Read and follow all safety notices in this installation guide. These notices provide helpful safety and efficient operation information. Failure to do so may lead to serious injury and / or damage to the unit.

To minimize shock and fire hazards, be sure not to overload the outlet into which the unit is plugged into. A dedicated circuit of sufficient amperage is preferred.



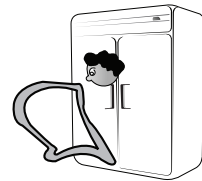
To prevent electrical shock and malfunction, do not spray the unit with water.



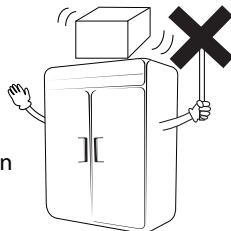
Clean the pronges of the electrical plug with a soft cloth or brush before plugging it into an electrical receptacle to prevent a fire hazard.



When it is time to salvage the unit, make sure to remove the rubber gaskets from the doors to prevent the risk of children or animals getting trapped inside the unit.



Do not place or store any objects on top of the product during operation. It might cause severe damage to the product. The machine room is located on top and disloed for a ventilation purpose.



Caution!

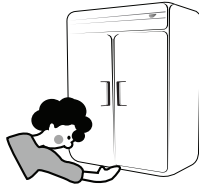
To prevent electrical shock and damage to the electrical cord, please hold the plug head when plugging and unplugging the unit.



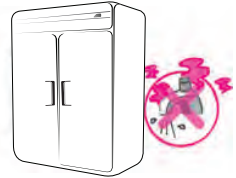
Do not use the electrical cord or plug if they are damaged in any way.



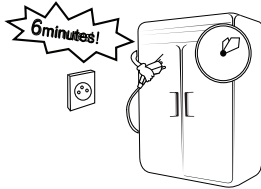
Do not put your hands under the unit when moving it. You could be injured by sharp edges, protruding parts, crushing, etc.



Avoid installing the unit where it could be exposed to water or moisture.



After unplugging the unit, please wait at least 6 minutes before re-plugging it in. Failure to do so could cause extensive damage to the compressor.



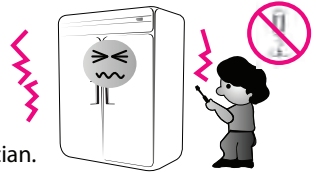
Avoid touching frozen foods or containers, especially metal containers, with wet hands. It could cause frostbite.



If the unit will not be used for an extended period of time, please unplug it from the outlet.



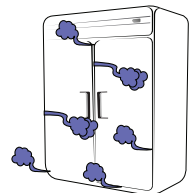
Please do not attempt to remove or repair any components unless you are an authorized service technician.



The refrigerator compartment's temperature should be set from 0°~4°C, and -23° to 0°C for the freezer. Setting the temperature out of the recommended ranges will void the unit's warranty.

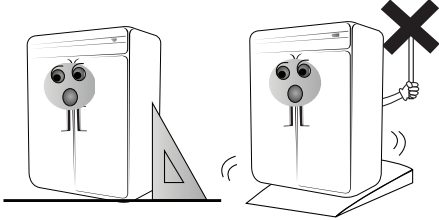


Keep the doors closed properly at all the times. Check periodically if the door gaskets seal perfectly. Losing cold air from the cabinet due to old gaskets will lead to severe damage to the product and increased electrical consumption.

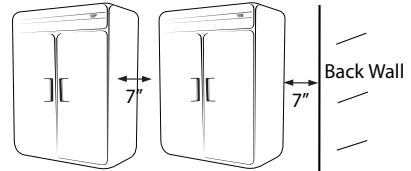


Installation Guide

Install the unit on a hard and level surface or the unit could produce undesired noises.

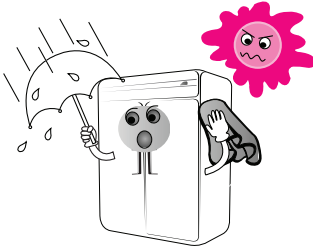


The unit should be positioned at least 7" away from the wall for proper ventilation.



Indoor Use Only

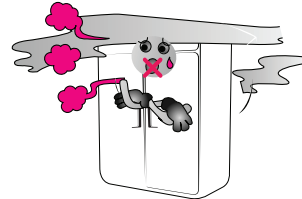
Outdoor use may cause a decrease in performance and significant damage to the unit.



Dusty and High Humidity Areas

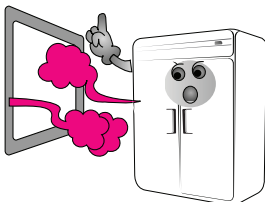
Dusty environments will cause the condenser coil to prematurely clog which will require it to be cleaned more often.

High humid environments could cause the unit to rust.



Do not build an enclosure or cabinet around the unit.

Restricting the airflow around the unit's condenser area will cause the compressor to work harder, which can result in compressor failure and the unit not being able to maintain the desired temperature.



Select a location away from other heat and moisture generating equipment such as stoves, ovens, dish washers, etc.

High ambient temperatures cause the compressor to work harder, which can result in compressor failure and the unit not being able to maintain the desired temperature.



Maintenance Guide

Shelf Cleaning

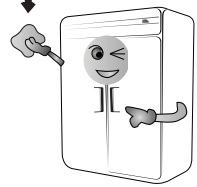
Periodically remove the shelves from the unit and clean them with mild soap and warm water.



Door Gasket Cleaning

To preserve the life span of the door gasket, clean the gasket with mild soap and water on a regular basis.

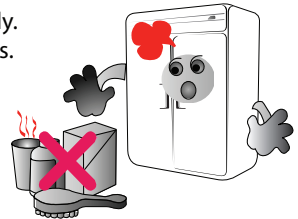
Dry Rag



Dry Rag

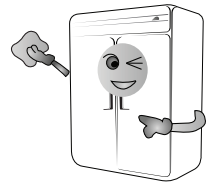
Do not use the following products when cleaning

Clean the exterior of the product with a stainless steel cleaner only. Never use steel wool, strong acids, abrasive cleaners or degreasers. Acidic products and products containing vinegar must be stored in sealed containers to prevent acid damage to the interior of the unit and the evaporator coil. (Rust resulting from the lack of or improper maintenance will not be covered under warranty.)



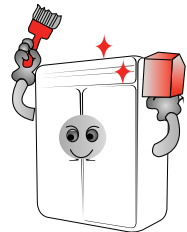
Interior Cleaning

Clean the interior surface of the unit with mild soap and warm water. Do not let water accumulate inside the unit. To prevent water damage, wipe the interior of the unit with a dry cloth as needed. Do not use abrasive cleaners, concentrated detergents, bleaches, cleaning waxes, solvents or polishes to clean the interior of the unit.



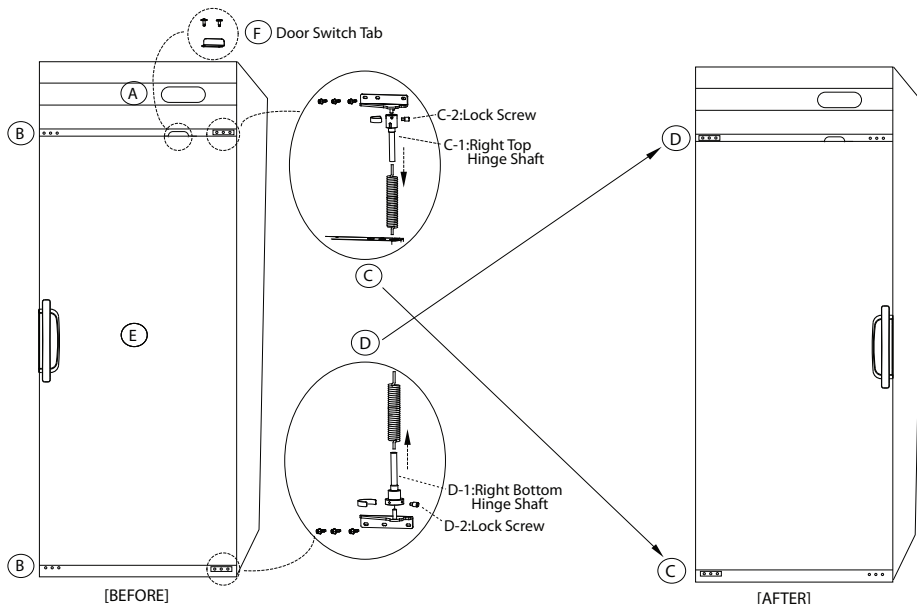
Condenser Coil Cleaning

Poor condensing unit performance is caused by heavy dust build-up on the condenser coil. The condenser coil should be cleaned monthly. Shine a flashlight through the condenser coil to check for dirt between the fins. Clean the outside of the condenser with a soft brush or a vacuum with a brush attachment. The condenser coil should be cleaned in the direction of the fins, top to bottom, not side to side. Be careful not to bend the fins. Detailed instructions of this procedure can be found on page 13 in this manual.



How to Reverse Door



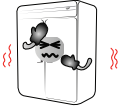





1. The front top grill (A) must be opened before reversing the door. Grab it from either side of its bottom edge and pull it towards you and tilt it up until it locks into place.
2. Remove the 6 screws (B) which are located in the pre-drilled holes used to mount the door hinges on the left door pillar (when facing the unit). 3 screws are for the top hinge and 3 screws are for the bottom hinge.
3. Note the location of the door switch tab (F) and remove it. Once the door is reversed, the tab must be installed in the same location in relation to the unit so that it can press in the door switch when the door is closed.
4. Before the door can be removed, the tension stored in the top and bottom of the doors' self closing springs must be safely released. To release the tension in the springs, insert a rigid object into one of the door spring shaft's unoccupied tension lock screw holes (C-1, D-1). Gently turn the door spring shaft until you can easily unscrew the tension lock screw (C-2, D-2). Remove the tension lock screw. Slowly remove the rigid object which was inserted into one of the spring shaft's unoccupied tension lock screw holes. When the rigid object clears the hole, the door spring will release the stored tension and the door spring shaft will spin violently. Remember that there are two springs, the top and the bottom, whose tensions must be released.
5. Have a second person secure and hold the door (E) against the unit while the top hinge is removed.
6. Remove the top hinge (C) by removing the 3 screws securing it.
7. Remove the door by lifting it until the bottom clears the bottom hinge (D). Ensure that the top and bottom springs and springs' shafts do not fall out.
8. Remove the bottom hinge (D) by removing the 3 screws securing it.
9. The right top hinge becomes the left bottom hinge (C). Install the right top hinge into the left bottom position using 3 screws. Ensure that the door hinge pins are facing up.
10. Flip the door (E) over so that the hinged part is on the left side, when facing the door.
11. Install the door onto the bottom door hinge (C). The longer of the two pins pointing upward should be inserted into the bottom spring shaft.
12. Have a second person secure and hold the door (E) against the unit while the top hinge is installed.
13. The bottom right hinge becomes the left top hinge (D). Install the left top hinge onto the door. The two pins on the door hinge should be facing down and the longer of the two inserted into the top door spring shaft.
14. Secure the top hinge to the unit using 3 screws.
15. The door should now be secured to the unit. Ensure that the door is secured before proceeding.
16. Tension must be added to the doors' springs for the self closing action to work. Using two rigid objects that can be inserted into the door springs' unoccupied door spring shaft tension lock screw holes (C-1, D-1), turn the shaft counterclockwise, when viewing the shaft from a birds eye perspective. 2 to 3 rotations of tension should be added.



Trouble Shooting

BEFORE YOU CALL

Please check the following before requesting service

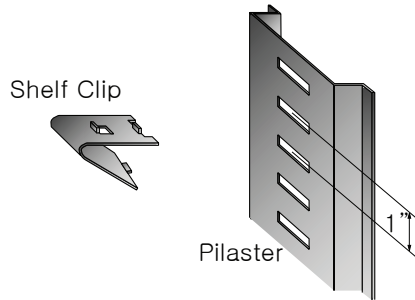
| | Symptom | Possible Solutions |
|---|--|---|
|  | Condensing unit fails to start | a. Check to see that that the electrical cord has not been disconnected. b. Check to see that the unit is turned on. |
|  | Cabinet does not maintain proper temperature | a. Check the door gasket for proper seal. b. Check to see if the temp. control setting is too high and adjust as necessary. c. Avoid installing the unit next to heat generating equipment and direct sunlight. d. Avoid storing hot contents. e. Make sure the doors are fully closed. |
|  | Refrigerated compartment is too cold | a. Adjust the temperature control to a warmer setting. |
|  | Noisy operation | a. Check for loose parts. b. Check for tubing rattle. c. Check for a bent fan blade. d. Check for damaged fan motor bearings. e. Check that the unit is stable. f. Check that the cabinet is level. |
|  | Condensation on the exterior surface | a. Condensation on the exterior surface of the unit is perfectly normal during periods of high humidity. b. Check door alignment and gaskets for proper seal. |
|  | Sound of water dripping | a. This is the sound of the refrigerant circulating during the compressor rest period and it is normal. |
|  | Exterior walls are warm | a. Heaters have been placed around the door openings to prevent condensation buildup. This is normal. |
|  | Condensation on the interior | a. Condensation can occur during hot and humid weather with frequent or prolonged door opening. This is normal. b. The doors might not be closed properly. Check door alignment and gaskets for proper seal. |

Shelves

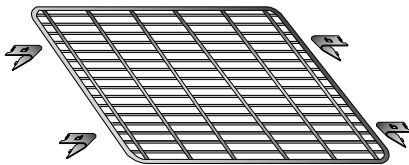
Shelves

The unit's shelves are adjustable so that the refrigerated compartment can be configured to suite your needs.

The shelf clip pilasters are spaced and labeled in 1" increments for your convenience.



To install a shelf, hook the shelf clips into the pilasters by inserting the top part of the clips first and then the bottom. Each shelf requires 4 clips.



To remove a shelf, start by unloading the shelf. Second, remove the shelf itself. Finally, remove the shelf clips by tilting them up and allowing the bottom of the clip to come out first and then remove the top part of the clip from the pilaster.



Warning - Never attempt to adjust a shelf when loaded!

Specifications

Solid Door Upright Reach-ins

| Model | B074-1ROOS-E (Refrigerator) | B074-1FOOS-E (Freezer) | B074-2ROOS-E (Refrigerator) | B074-2FOOS-E (Freezer) | B074-2RFOS-E (Dual Temp) | B074-2MOOS-E (Dual Temp) | B126-2RROS-E (Refrigerator) |
|-----------------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------|-----------------------------|-----------------------------|--------------------------------|
| Capacity(ℓ) | 557 | 557 | 557 | 557 | 267(R) 267(F) | 363(R) 171(F) | 1032 |
| Door | 1 | 1 | 2 (Half) | 2(Half) | 2(Half) | 2 | 2 |
| Shelves | 3 | 3 | 3 | 3 | 3 | 3 | 6 |
| Compressor (HP) | 1/3 | 1/2 | 1/3 | 1/2 | 1/2 | 1/2 | 1/3 |
| Power (V-Hz-Ph) | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 |
| Temp. Range(°C) | 0~4 | -23~0 | 0~4 | -23~0 | 0~4(R) -23~0(F) | 0~4(R) -23~0(F) | 0~4 |
| Refrigerant | R-134a | R-404a | R-134a | R-404a | R-404a | R-404a | R-134a |
| Crated Weight(kg) | 129 | 131 | 131 | 133 | 133 | 133 | 174 |
| Amps(A) | 2.10 | 3.64 | 2.10 | 3.64 | 3.69 | 3.69 | 2.28 |
| Ext. Dimensions (W x D x H mm) | 740 x 803 x 1910 | 740 x 803 x 1910 | 740 x 803 x 1910 | 740 x 803 x 1910 | 740 x 803 x 1910 | 740 x 803 x 1910 | 1260 x 803 x 1910 |

| Model | B126-2FFOS-E (Freezer) | B126-2RFOS-E (Dual Temp) | B126-4RROS-E (Refrigerator) | B126-4FFOS-E (Freezer) | B126-4RFOS-E (Dual Temp) | B126-4RMOS-E (Dual Temp) | B150-2RROS-E (Refrigerator) |
|-----------------------------------|---------------------------|-----------------------------|--------------------------------|---------------------------|-----------------------------|-----------------------------|--------------------------------|
| Capacity(ℓ) | 1032 | 493(R) 493(F) | 1032 | 1032 | 493(R) 493(F) | 749(R) 238(F) | 1251 |
| Door | 2 | 2 | 4 | 4 | 4 | 4 | 2 |
| Shelves | 6 | 6 | 6 | 6 | 6 | 5 | 6 |
| Compressor (HP) | 1/2 x2 | 1/3(R) 1/2(F) | 1/3 | 1/2 x2 | 1/3(R) 1/2(F) | 1/3(R) 1/3(F) | 1/3 |
| Power (V-Hz-Ph) | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 |
| Temp. Range(°C) | -23~0 | 0~4(R) -23~0(F) | 0~4 | -23~0 | 0~4(R) -23~0(F) | 0~4(R) -23~0(F) | 0~4 |
| Refrigerant | R-404a | R-134a(R), R-404a(F) | R-134a | R-404a | R-134a(R), R-404a(F) | R-134a(R), R-134a(F) | R-134a |
| Crated Weight(kg) | 203 | 207 | 203 | 207 | 203 | 207 | 191 |
| Amps(A) | 7.26 | 5.26 | 2.28 | 7.26 | 5.26 | 4.07 | 2.30 |
| Ext. Dimensions (W x D x H mm) | 1260 x 803 x 1910 | 1260 x 803 x 1910 | 1260 x 803 x 1910 | 1260 x 803 x 1910 | 1260 x 803 x 1910 | 1260 x 803 x 1910 | 1500 x 803 x 1910 |

| Model | B150-2FFOS-E (Freezer) | B150-2RFOS-E (Dual Temp) | B150-4RROS-E (Dual Temp) | B150-4FFOS-E (Dual Temp) | B150-4RFOS-E (Dual Temp) | B150-4RMOS-E (Dual Temp) | B190-3RRRS-E (Refrigerator) |
|-----------------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|
| Capacity(ℓ) | 1251 | 603(R) 603(F) | 1251 | 1251 | 603(R) 603(F) | 911(R) 291(F) | 1616 |
| Door | 2 | 2 | 4 | 4 | 4 | 4 | 3 |
| Shelves | 6 | 6 | 6 | 6 | 6 | 5 | 9 |
| Compressor (HP) | 1/2 x2 | 1/3(R) 1/2(F) | 1/3 | 1/2 x2 | 1/3(R) 1/2(F) | 1/3(R) 1/3(F) | 1/3 x2 |
| Power (V-Hz-Ph) | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 |
| Temp. Range(°C) | -23~0 | 0~4(R) -23~0(F) | 0~4 | -23~0 | 0~4(R) -23~0(F) | 0~4(R) -23~0(F) | 0~4 |
| Refrigerant | R-404a | R-134a(R) 404a(F) | R-134a | R-404a | R-134a(R), R-404a(F) | R-134a(R), R-134a(F) | R-134a |
| Crated Weight(kg) | 228 | 232 | 195 | 225 | 235 | 223 | 262 |
| Amps(A) | 7.28 | 5.74 | 2.30 | 7.28 | 5.74 | 4.09 | 4.40 |
| Ext. Dimensions (W x D x H mm) | 1500 x 803 x 1910 | 1500 x 803 x 1910 | 1500 x 803 x 1910 | 1500 x 803 x 1910 | 1500 x 803 x 1910 | 1500 x 803 x 1910 | 1900 x 803 x 1910 |

| Model | B190-3FFFS-E (Freezer) | B190-3RRFS-E (Dual Temp) | B190-6RRRS-E (Refrigerator) | B190-6FFFS-E (Freezer) | B190-6RRFS-E (Dual Temp) |
|-----------------------------------|---------------------------|-----------------------------|--------------------------------|---------------------------|-----------------------------|
| Capacity(ℓ) | 1616 | 1032(R) 507(F) | 1616 | 1616 | 1032(R) 507(F) |
| Door | 3 | 3 | 6 | 6 | 6 |
| Shelves | 9 | 9 | 9 | 9 | 9 |
| Compressor (HP) | 1/2 x3 | 1/3(R) 1/2(F) | 1/3 x2 | 1/2 x3 | 1/3(R) 1/2(F) |
| Power (V-Hz-Ph) | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 | 220~240-50/60-1 |
| Temp. Range(°C) | -23~0 | 0~4(R) -23~0(F) | 0~4 | -23~0 | 0~4(R) -23~0(F) |
| Refrigerant | R-404a | R-134a(R) 404a(F) | R-134a | R-404a | R-134a(R) 404a(F) |
| Crated Weight(kg) | 295 | 284 | 271 | 302 | 292 |
| Amps(A) | 9.54 | 5.48 | 4.40 | 9.54 | 5.48 |
| Ext. Dimensions (W x D x H mm) | 1900 x 803 x 1910 | 1900 x 803 x 1910 | 1900 x 803 x 1910 | 1900 x 803 x 1910 | 1900 x 803 x 1910 |

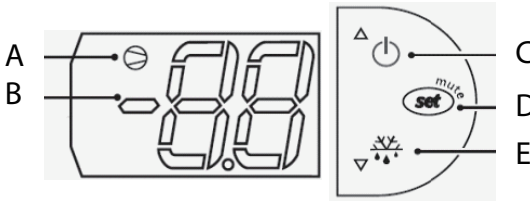
Specifications

Upright Reach-in Glass Door Refrigerators

| Model | B074H-1ROOS-E (Refrigerator) | B074H-2ROOS-E (Refrigerator) | B126H-2RROS-E (Refrigerator) | B126H-4RROS-E (Refrigerator) | B150H-2RROS-E (Refrigerator) | B150H-4RROS-E (Refrigerator) |
|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Capacity(ℓ) | 557 | 557 | 1032 | 1032 | 1251 | 1251 |
| Door | 1 (Glass) | 2 (Glass) | 2 (Glass) | 4 (Glass) | 2 (Glass) | 4 (Glass) |
| Shelves | 3 | 3 | 6 | 6 | 6 | 6 |
| Compressor (HP) | 1/3 | 1/3 | 1/3+ | 1/3+ | 1/3+ | 1/3+ |
| Power (V-Hz-Ph) | 220~240-50-1 | 220~240-50-1 | 220~240-50-1 | 220~240-50-1 | 220~240-50-1 | 220~240-50-1 |
| Temp. Range(°C) | 0~4 | 0~4 | 0~4 | 0~4 | 0~4 | 0~4 |
| Refrigerant | R-134a | R-134a | R-134a | R-134a | R-134a | R-134a |
| Crated Weight(kg) | 141 | 152 | 217 | 223 | 265 | 272 |
| Amps(A) | 2.40 | 2.46 | 3.08 | 3.08 | 2.50 | 2.50 |
| Ext. Dimensions (W x D x H mm) | 740 x 803 x 1910 | 740 x 803 x 1910 | 1260 x 803 x 1910 | 1260 x 803 x 1910 | 1500 x 803 x 1910 | 1500 x 803 x 1910 |

| Model | B190H-3RRRS-E (Refrigerator) | B190H-6RRRS-E (Refrigerator) |
|-----------------------------------|---------------------------------|---------------------------------|
| Capacity(ℓ) | 1616 | 1616 |
| Door | 3 (Glass) | 6 (Glass) |
| Shelves | 9 | 9 |
| Compressor (HP) | 1/3 x2 | 1/3 x2 |
| Power (V-Hz-Ph) | 220~240-50-1 | 220~240-50-1 |
| Temp. Range(°C) | 0~4 | 0~4 |
| Refrigerant | R-134a | R-134a |
| Crated Weight(kg) | 292 | 298 |
| Amps(A) | 4.60 | 4.64 |
| Ext. Dimensions (W x D x H mm) | 1900 x 803 x 1910 | 1900 x 803 x 1910 |

Temperature Setting



* LED Display

- A Operation of compressor
- B Current cabinet temperature

* Control Buttons



- C Power button



- D Temperature setting button



- E Defrost button

* How to set desired temperature

- Step 1 Press and hold " D " button until the LED displays " SET " symbol and a number consecutively. The number is the previous setting temperature (Recommended setting Temp- Refrigerator : 4°C, Freezer : -20°C) When the number is flashing, release the button.

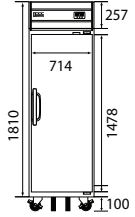
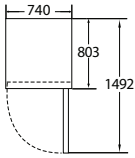
Caution: If " PS " symbol appears on the LED, it means that you pressed and held " D " button too long. Release it, and then press " D " button twice to restart the temperature setting.

- Step 2 While flashing the number, set your desired temperature by pressing " C " (high) or " E " (low) button. The number increases or decreases by a decimal point.

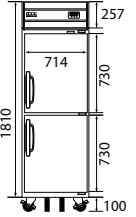
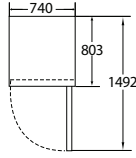
Note: Your new setting temperature should be in the range of between 0°C and 4°C for refrigerator and -23°C~0°C for Freezer

- Step 3 Press " D " button to get out of the setting mode. The LED will show the current cabinet temperature.

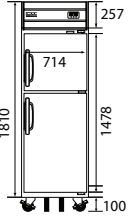
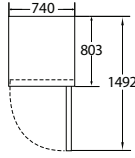
Product Drawings - Continued



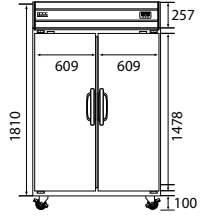
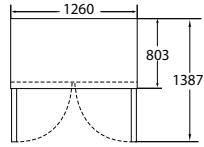
B074-1RROS-E
B074-1FOOS-E



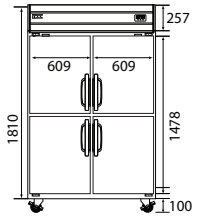
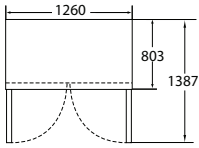
B074-2RROS-E / B074-2FFOS-E
B074-2RFOS-E



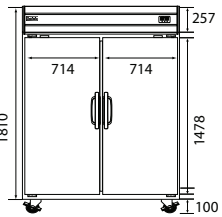
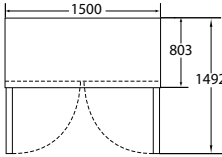
B074-2MOOS-E



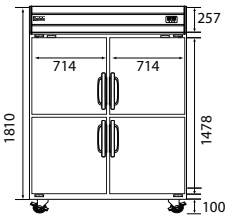
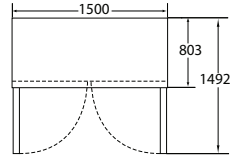
B126-2RROS-E / B126-2FFOS-E
B126-2FROS-E



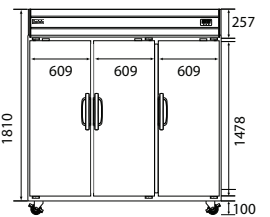
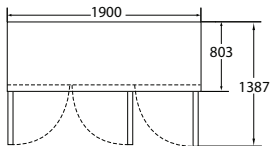
B126-4RROS-E / B126-4FFOS-E
B126-4RFOS-E / BC126-4RMOS-E



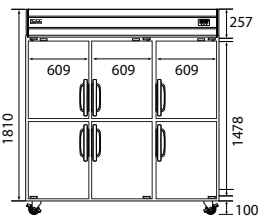
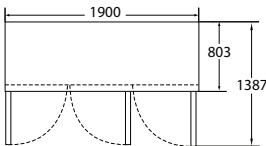
B150-2RROS-E / B150-2FFOS-E
B150-2RFOS-E



B150-4RROS-E / BC150-4FFOS-E
B150-4RFOS-E

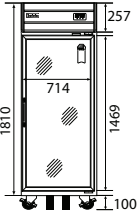
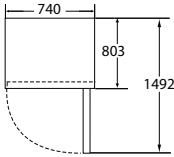


B190-3RRRS-E / BC190-3FFFS-E
B190-3RRFS-E

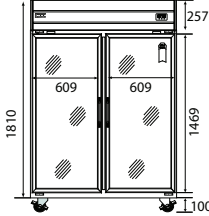
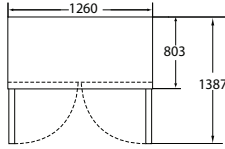


B190-6RRRS-E / B190-6FFFS-E
B190-6RRFS-E

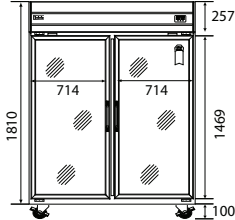
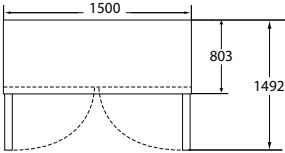
Product Drawings - Continued



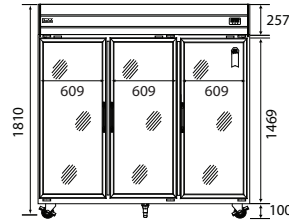
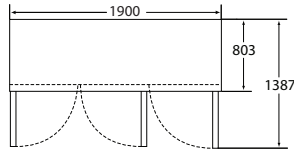
B074H-1ROOS-E



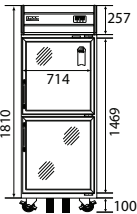
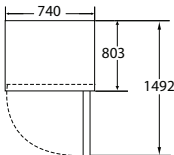
B126H-2RROS-E



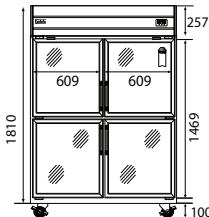
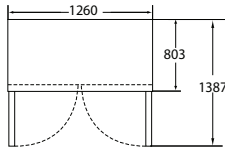
B150H-2RROS-E



B190H-3RRRS-E

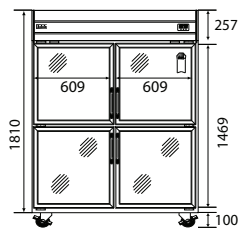
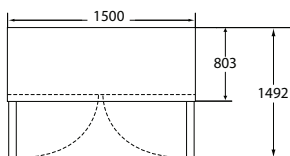


B074H-2ROOS-E

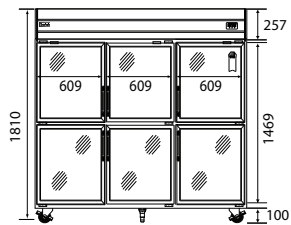
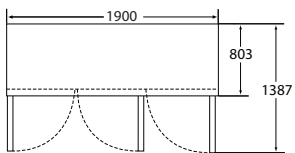


B126H-4RROS-E

Product Drawings



B150H-4RROS-E



B190H-6RRRS-E

centaur

from SKOPE

New Zealand

SKOPE INDUSTRIES LIMITED
PO Box 1091, Christchurch
New Zealand
Freephone : 0800 947 5673
Fax : (03) 983 3896
E-mail : enquiry@skope.co.nz
Website : www.skope.co.nz

Australia

SKOPE INDUSTRIES LIMITED
A.N.C 000 384 270
Po Box 7543, Baulkham Hills B.C
NSW 2153, Australia
Freephone : 1800 121 535
Fax : 1800 121 533
E-mail : enquiry@skope.com.au
Website : www.skope.com.au