

# Technical Data

## Greenor® reversible heating and cooling system

Ref : **Greenor R**

A/\* Temperature : 7/12°C - 70/60°C eq. 44°/54°F - 158°/140°F

Speed	Air flow (cfm)	Energy consumption (W/h)	Energy output Heat mode W / Btu/h	Energy output Cool mode W / Btu/h	Load loss factor (kpa)	Sound pressure dB (A)	Sound power dB (A)
V1 - Mini	73,6	6	1500 / 5118 ■	600 / 2047 ■	6,2	14,3	28,3
V2 - Moy.	122,13	10	2500 / 8530 ■ ■	1200 / 4095 ■ ■	5,6	25,5	39,5
V3 - Maxi.	174	17	3300 / 11260 ■ ■ ■	1600 / 5459 ■ ■ ■	14	35,7	49,7

B/\*\* Température : 7/12°C - 50°C eq. 44°/54°F - 122°F

Speed	Air flow (cfm)	Energy consumption (W/h)	Energy output Heat mode W / Btu/h	Energy output Cool mode W / Btu/h	Load loss factor (kpa)	Sound pressure dB (A)	Sound power dB (A)
V1 - Mini	73,6	7	900 / 3070 ■	600 / 2047 ■	1,6	14,3	28,3
V2 - Moy.	122,13	11	1500 / 5118 ■ ■	1200 / 4095 ■ ■	5,6	25,5	39,5
V3 - Maxi.	174	17	2040 / 6961 ■ ■ ■	1600 / 5459 ■ ■ ■	9,4	35,7	49,7

Required water flow: 1.28 GPM

Power supply: 120 V - 60 Hz for the US and Canada markets. 220 V - 50Hz for the others markets.

Performance tested under the following conditions:

A\* : Heat mode : room temperature 20°C-68°F, inlet water temperature 70°C-158°F – delta T water 10°C-50°F

A\* : Cooling mode : room temperature 27°C-80.6°F, inlet water temperature 7°C-44.6°F – delta T water 5°C-41°F

B\*\* : Heat mode : room temperature 20°C-68°F, inlet water temperature 50°C-122°F

Air flow sound level measured using a reverberating room at a distance of 1m - 39" from the device.

Energy performances and technical data controlled and tested by TUV laboratories, Munich, Germany.

Test report N°FCP106-1 as per Eurovent standards and regulations 6C/002-2007.

European norms - Electromagnetic Compatibility (EMC) and Electrical safety – low voltage (LVD)

controlled by TUV laboratories, France.



# Greenor® Heating System

Ref : **Greenor H**

A\* Température : 75°/65°C eq. 167°/149°F

Speed	Air flow (cfm)	Energy consumption (W/h)	Energy output Heat mode W / Btu/h	Load loss factor (kpa)	Sound pressure dB (A)	Sound power dB (A)
V1 - Mini	67	6	1700 / 5800 ■	2,6	14,8	28,8
V2 - Moy.	114	10	2750 / 9383 ■ ■	5,7	25,6	39,6
V3 - Maxi.	170	17	3740 / 12761 ■ ■ ■	10	35,7	49,7

B\* Température : 55°/45°C eq. 131°/113°F

Speed	Air flow (cfm)	Energy consumption (W/h)	Energy output Heat mode W / Btu/h	Load loss factor (kpa)	Sound pressure dB (A)	Sound power dB (A)
V1 - Mini	67	7	830 / 2832 ■	0,9	14,8	28,8
V2 - Moy.	114	10	1500 / 5117 ■ ■	1,6	25,6	39,6
V3 - Maxi.	170	17	2200 / 7506 ■ ■ ■	3,2	35,7	49,7

Required water flow: 1.28 GPM

Power supply: 120 V - 60 Hz for the US and Canada markets. 220 V - 50Hz for the others markets.

Performance tested under the following conditions:

A\* : Heat mode : room temperature 20°C-68°F, inlet water temperature 75°C-167°F – delta T water 10°C-50°F

B\* : Heat mode : room temperature 20°C-68°F, inlet water temperature 55°C-131°F

Air flow sound level measured using a reverberating room at a distance of 1m - 39" from the device.

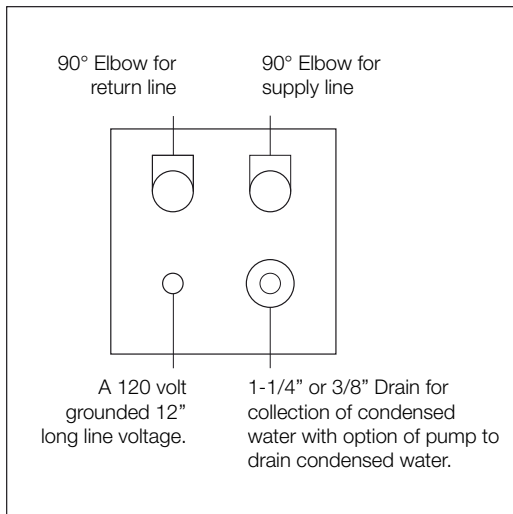
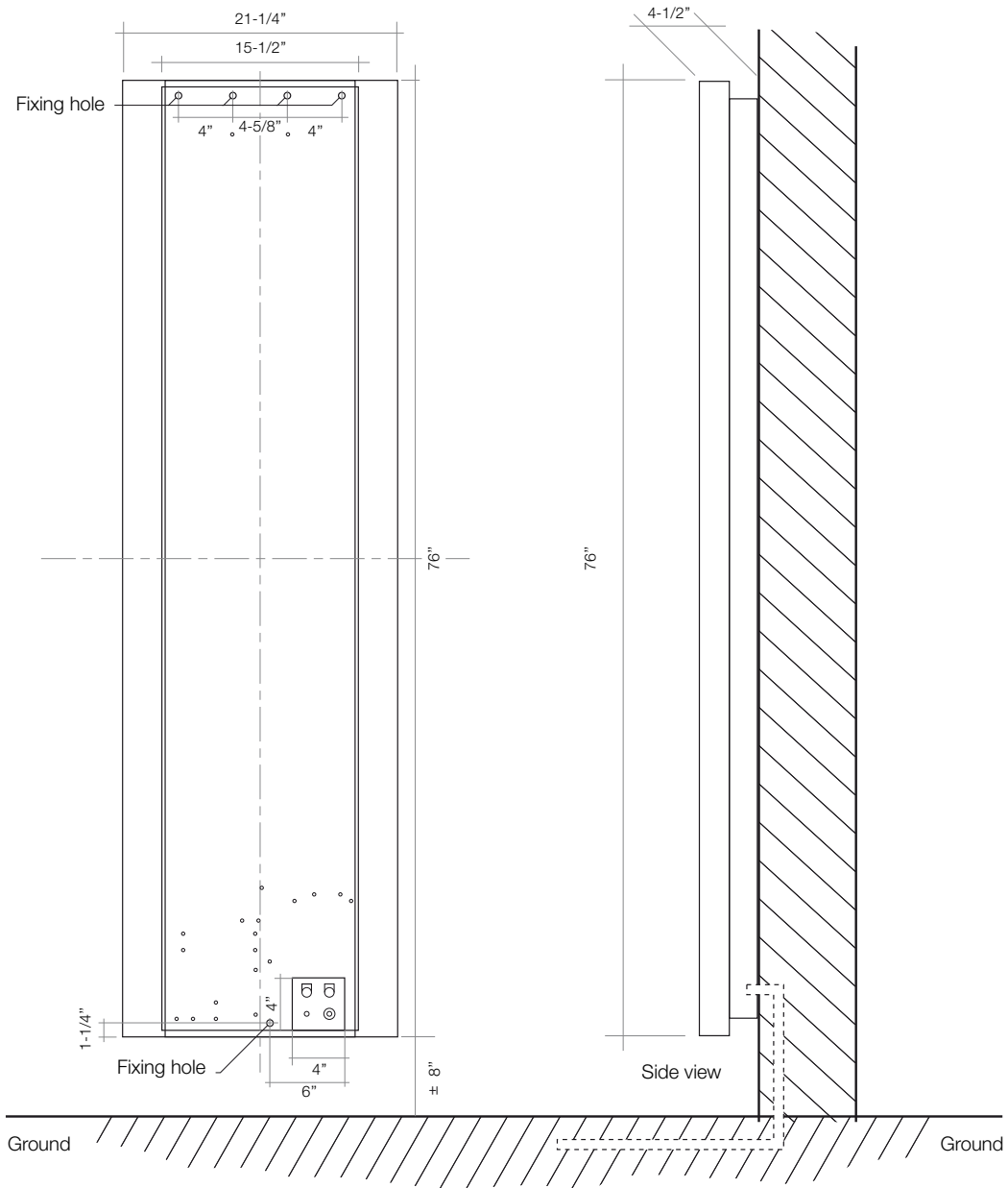
Energy performances and technical data controlled and tested by TUV laboratories, Munich, Germany.

Test report N°FCP106-2 as per Eurovent standards and regulations 6C/002-2007.

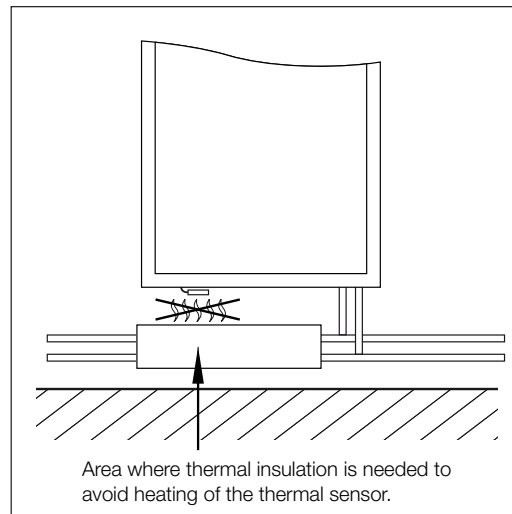
European norms - Electromagnetic Compatibility (EMC) and Electrical safety – low voltage (LVD) controlled by TUV laboratories, France.



# Technical drawings & Connections



Connections for a concealed installation



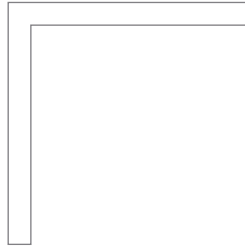
Connections for an exposed installation

# Craftsmanship and creativity

Hand-finished with natural pigments  
Each piece is on special order

## Colors and finishes

High-quality sanded  
steel-frame available in:



White



Gray

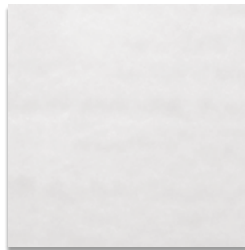


Black

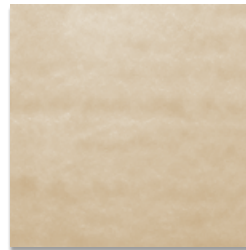
### UNIS SCULPTURAL

Custom-finish available upon request

\* sea effect



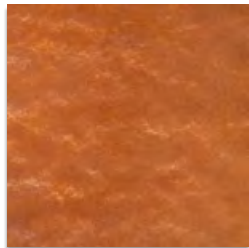
White Olycale | C8



Ivory\* | C7



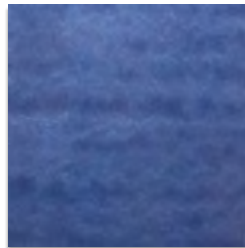
Sienna | C23



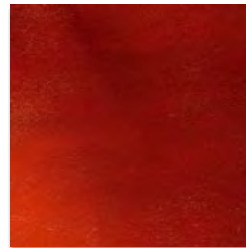
Brown Ochre\* | C1



Gray Quartz | C9



Prussian Blue\* | C20



Deep Red | C19



Anthracite Gray | C5

### GAME OF SHADOWS

Custom-finish available upon request



Gray Quartz | C9



Ivory | C7



Ochre Provence | C3

### ORIGINE

Custom-finish available  
upon request



Gray Quartz | C9



Ivory | C7



Brown Ochre | C1



Titane | C17

# Main characteristics:

Fan coil with very high energy efficiency, mounted on a thermo-lacquered steel frame with a decorative front panel in Olycale® stone:

- Smooth finish (Unis collection)
- Sculpted finish (Contemporary collection)
- Designer finish («one-off» collection)

Extra quiet

Ideal for low-temperature systems or if high output is required

# Detailed characteristics:

- Dimensions : 1900 x 540 mm - 74-3/4" x 21-1/4"
- Weight : 51 to 58 kg – 122 lbs
- Fan motor's average energy consumption: 10 W  
3 speeds for manual or automatic ventilation
- Power supply: 120 Volts
- Heat energy output with inlet water at 75°C/ 167°F: 3740 W-12761 Btu/h
- Heating output with inlet water at 50°C/122°F (low temp.): 2040 W-6961Btu/h
- Cooling capacity with inlet water at 7°C/44°F : 1600 W-5460 Btu/h
- Eco-friendly water circulation (refrigerant-free)
- Very quiet, the airflow is distributed over a perimeter of 16.1 feet around the high-quality steel frame. No sensation of draft.
- A warm radiant front panel in Olycale® stone allows greater comfort and higher energy-efficiency.
- Easy to maintain: filters can be cleaned in less than 10 seconds
- High quality materials:
  - 8 low voltage EBM-Papst fans
  - a 3-way bypass valve
  - Copper tube of the heat exchanger lined with aluminium band.
  - Electronic control.
  - High-performance filters
- French craftsmanship developed in Ateliers Cinier.

# Included Accessories:

- 2 flexible hoses to connect to the system
- 1 IR remote control (in black or white)
- 1 cleaning accessory to attach to the vacuum cleaner

# Installation requirements:

- The unit must be handled by two persons

**WARNING:** Electric shock hazard can cause injury or death. Before attempting to install the unit, turn OFF the electrical power.

- Supplies needed for an easy and successful installation:

Raw-plugs, screws, collars and all necessary fasteners adequate to bear the 61kg/134.50lb weight of the radiator.

Clamping, fastening and connecting tools (including elbows, flat joints, wires...) and miscellaneous hardware.

- Greenor® must have at least a 15 cm/6" clearance on each side of the radiator (floor, ceiling, wall) and at least 50cm/ 20" in front of the panel.
- When positioning the appliance, make sure the air intakes are free from obstructions and far enough from potential hazards such as curtains.
- Greenor® must not be installed below a power outlet.
- Water inlet (drawing 1&2).
- The incoming heating water is set at a maximum temperature of 80°C/176°F.
- The incoming cooling water is set at a minimum temperature of 7°C/44.6°F.
- The maximum service pressure is: 101 PSI -700kPa or 7bar.

- Do not forget :

The unit must be installed in a position where there is sufficient strength in the structure to support the weight of the unit.

Two male ½" 90° bend fittings with flat joint to hook up the flexible hoses (2 extensible flexible hoses are furnished with the radiator.).

A drain for the condensation (for reversible systems' installation).

A grounded monophase power supply 120V/60Hz.

Connect the unit to the N & L terminals with a flexible wire cable of .15" to .31" inches diameter.

One 5 cm/16" diameter grounded electrical wire is used to connect the Greenor® to the line, neutral and ground of the 120 V power supply.

The unit can be installed using any other method considered appropriate by the installer, providing it is in accordance with current legislation and local building codes.

## Easy to Maintain



A Greenor® exclusive: filters can be easily cleaned without taking any element apart.

- One Greenor® cleaning accessory to attach to the vacuum cleaner is delivered with your unit to facilitate its maintenance.
- An easier and more frequent cleaning of the filters ensures that your system stays at an optimal performance level.