

# CONVECTAIR

## ADAGIO

7641



421AA2793 ind A

01-09-2016

## Installation & Operating Instructions

**(IMPORTANT: To be read and kept by the user)**

## - INTRODUCTION -

Dear owner,

Congratulations on the purchase of this premium electric heater.

CONVECTAIR develops and produces the highest quality heating product in the electrical industry.

To obtain the best results and the ultimate in performance and comfort, please take a moment to read the installation, operation and maintenance instructions detailed in this manual.

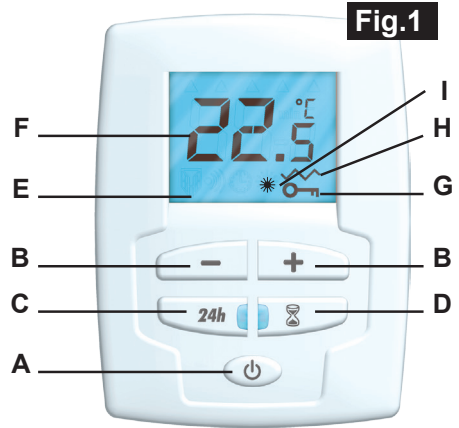
### **WARNING :**

Your heater is already equipped with a precise electronic thermostat. IT MUST NOT BE CONNECTED TO A WALL THERMOSTAT.

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- A- "ON / OFF" key
- B- Temperature setting keys
- C- Auto programming function 24H
- D- Timer function
- E- Backlit LCD screen
- F- Temperature setting display
- G- Locked controls indicator
- H- Heating indicator symbol
- I- Comfort function



Electrical requirements 240 V - 60 Hz :

See page 6.

Installing and connecting the heater :

See pages 4, 5 and 6.

To turn on or shut off heater operation:

Press the "⏻" (A) key briefly.

To set the desired temperature :

Using the "+" and "-" (B) keys, you can raise or lower the temperature setting to reach the desired level of comfort (see page 7).

Fast heat :

Turn the heater on.

Press on the "⌚" (D) key, the heater will run on full total power (1400 W) for 15 minutes (adjustable from 5 to 90 minutes).

Troubleshooting :

See page 11.

To contact CONVECTAIR :

See page 11.

# 1 SPECIFICATIONS

- Your new ADAGIO is a convection and a fan-forced heater for fast heat on demand.
- This heater is equipped with 2 heat levels : 600 W regulated with the electronic thermostat and 800 W of unregulated fast heat on demand with the timer (5 to 90 minutes), for a total of 1 400 W.
- Minimum obstruction and designed to heat your room quietly with consistent heat, it is a perfect heater for your bathroom.
- Your ADAGIO is compatible with the CONVECTAIR Programmer Module (must be connected through the pilot-wire to another CONVECTAIR heater equipped with the Programmer module) allowing scheduled temperature set-backs in periods of prolonged absence providing the same comfort and more savings.

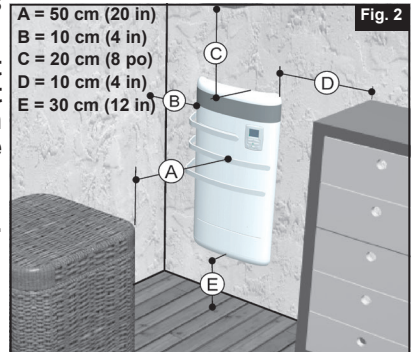
Model	Total power	Convection power	Fan-forced power	Width	Height	Depth	Weight
7641-C14-BB	1400 W	600 W	800 W	34 (cm) (13 <sup>3</sup> / <sub>8</sub> in)	72 (cm) (28 <sup>3</sup> / <sub>8</sub> in)	10 (cm) (4 in)	7,1 (kg) (15,6 lbs)
Dimensions with towel rails.				36 (cm) (14 <sup>1</sup> / <sub>4</sub> in)	72 (cm) (28 <sup>3</sup> / <sub>8</sub> in)	17 (cm) (6 <sup>3</sup> / <sub>4</sub> in)	8,4 (kg) (18,6 lbs)

# 2 RECOMMENDED SET-UP

**READ CAREFULLY:** These instructions are essential to install and use your new ADAGIO safely.

- Your heater must be installed in accordance with national and local codes and CONVECTAIR recommends an installation by a qualified electrician.
- Your heater must be installed so that the control panel is out of reach from anyone in the bath-tub or in the shower. Do not install over a bath-tub or spa or any other water source.
- Do not install the heater behind a door, furniture or others obstacles, or in front of an air exhaust vent. Keep combustible materials such as curtains, away from the heater.
- Your heater is equipped with a heating element that may reach high temperatures. Do not install or operate in the presence of fuels such as gasoline, paint solvents or other flammable products.
- Do not install the heater under an electrical outlet.

**CAUTION: PLEASE MAINTAIN THE MINIMUM REQUIRED CLEARANCES (Fig. 2)**



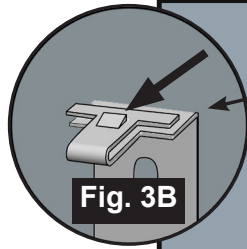
**Convectair recommends that the heater be installed at 86 cm (34 in) from the floor.**

Minimum clearances	In front (A)	Sides (B & D)	Above (C)	Underneath (E)	Recommended height*
7641-C14-BB	50 (cm) (20 in)	10 (cm) (4 in)	20 (cm) (8 in)	30 (cm) (12 in)	86 (cm) (34 in)

\*Adapt the installation height of the junction box based on the desired installation height of the heater.

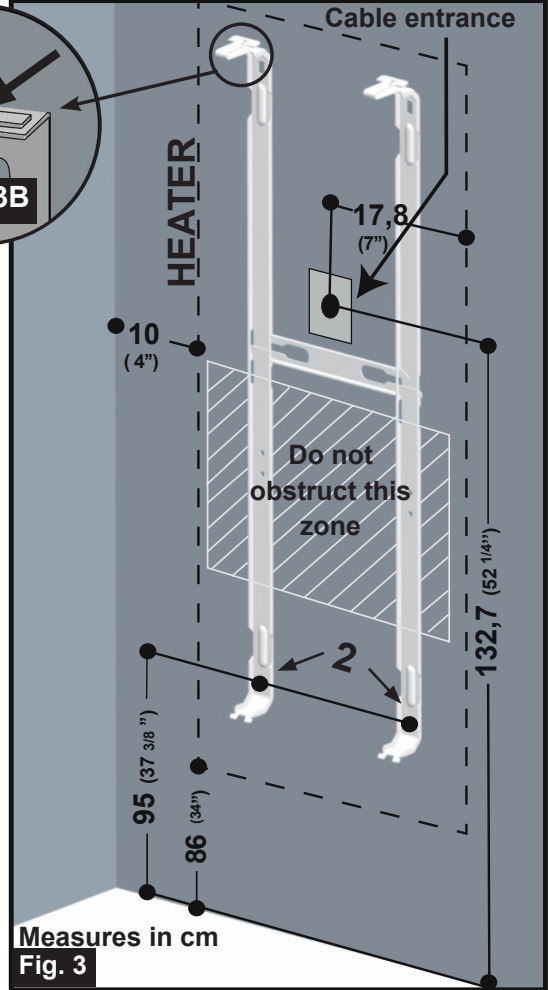
### 3 INSTALLATION AND MOUNTING

To install your heater at 86 cm (34 in) from the ground (recommended height by CONVECTAIR), follow these steps:



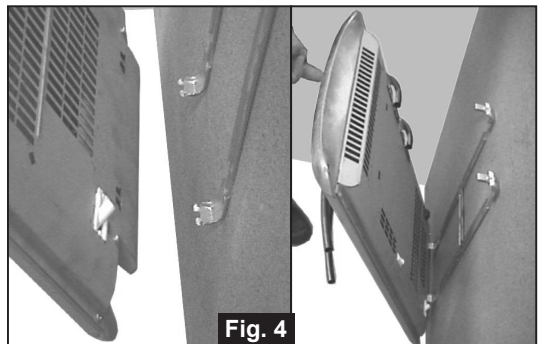
- 1- Free mounting bracket by pressing and pulling both locking brackets (Fig. 3B).
- 2- Place the mounting bracket's bottom holes at 95 cm (37 3/8 in) (no. 2 Fig 3) from the ground and make a mark.
- 3- Pierce the four holes for fastening.
- 4- Replace mounting bracket and fasten it appropriately with screws (not included).

**NOTE :** The device must be fixed to its bracket. The use of adhesif to fix the bracket or the device is forbidden



#### Wall bracket mounting:

- To mount the unit on the wall bracket, engage the lower legs into the slots at the bottom and back of the heater. This operation is eased by presenting the unit slightly tilted forward (Fig. 4).
- Clip the top of the wall bracket by pushing the heater forward until it is stable (Fig. 4).



## 4 ELECTRICAL CONNECTION



- **WARNING** : To prevent short circuits and electrical shocks turn the power off at the main panel before attempting the installation or making any repairs. If you are using a programmer system, make sure to cut the power off ALL electrical heating circuits of the heaters wired to the pilot wire.
- CONVECTAIR recommends that your heater be installed by a qualified electrician and in accordance with national and local codes.
- This heater must be connected to a 240 Volt (60 cycles) circuit and with an appropriate breaker.
- The first time your CONVECTAIR heats, a light smoke could be released due to the burning of production residues. This is normal and should disappear after 2 to 3 minutes.

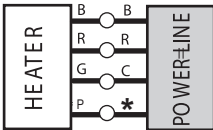
### RESPECT WIRE COLOR WIRING

WITH the use of pilot wire (PW)

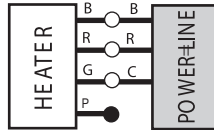
WITHOUT the use of pilot wire (PW)

#### CANADA

\* = Cables 3/12  
or FAS 105 18/2  
approved 300 volt.



#### CANADA

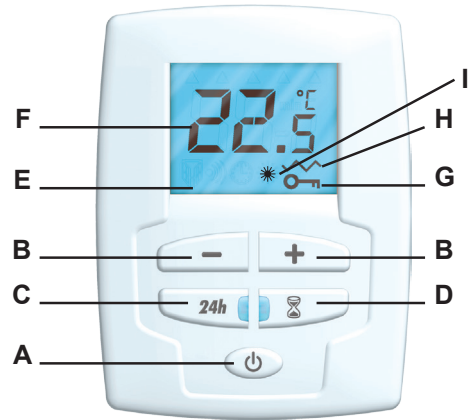


P (PW) = PURPLE R = RED B = BLACK G = GREEN C = COPPER

- You must connect the ground wire of the heater (green wire) with the copper wire.
- Never connect the pilot-wire (purple wire) to the electrical supply nor ground it.
- The purple wire with the seal at the extremity should not be used for the electrical connection. It is used only if the heater is connected with the CONVECTAIR Programmer system.
- Fix the unit before turning the power back on.


## 5 OPERATING INSTRUCTIONS


- A- "ON / OFF" key
- B- Temperature setting keys
- C- Auto programming function 24H
- D- Timer function
- E- Backlit LCD screen
- F- Temperature setting display
- G- Locked controls indicator
- H- Heating indicator symbol
- I- Comfort Mode




- To turn the heater "ON"  (A)

Push the switch located at left-side of the back of the heater to "ON" (Fig. 6).

Press on the " " (A) key on the control panel. The screen turns on, the indicator light turns green, your device is now running.

- To shut off heater operation " " (A)

Press on the " " (A) key on the control panel.

The indicator light turns orange, the screen and the heater are turned off.

To minimize the electrical consumption of the heater (e.g. off-season), push the switch located at the back of the heater to **STANDBY**.

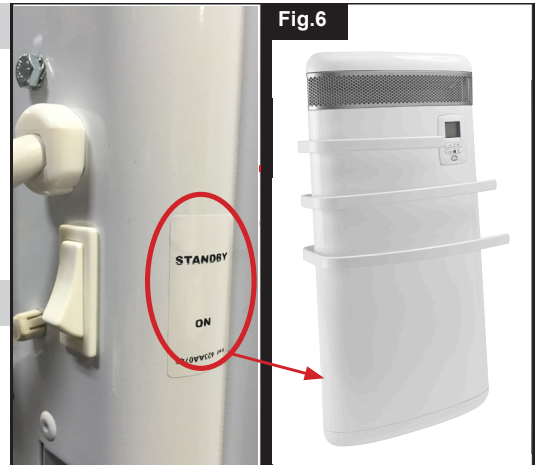
- To set the desired temperature


Using the "+" and "-" (B) keys, you can raise or lower the desired temperature as you wish by gaps of 1°F (0.5°C) each time the key is pressed, between 7°C and 28°C (45°F and 82°F).

- To change display in °C or °F

Turn off the heater by pressing on the "ON/OFF"  (A) key.



Simultaneously press the " " (A) and "+" (B) keys and hold for 3 seconds to switch display in °C (Celsius) or °F (Fahrenheit).




- The "Timer" function  (D)

This function allows an immediate and additional 800 W of heat during a determined period of time (from 5 to 90 minutes). You are therefore using your device at its full unregulated power of 1400 W.

- To use the «Timer » function  (D)

Pressing the «  » (D) button triggers the «Timer » function for a period of 15 minutes (default). The indicator light will turn on. Successive presses on "-" and "+" (B) allow to modify the duration between 5 and 90 minutes in steps of 5 minutes. Hold the «  » (D) key for 3 seconds to select the new default duration.

- To stop the « Timer » function  (D)

The «Timer » function stops automatically once the time has elapsed, or by pressing on the «  » key (D) to stop the function.

- To lock the controls  (G)

This function locks any manipulation of the thermostat to prevent tampering, particularly by children. Only the «Timer » function can be activated.

Press simultaneously for 3 seconds the «  » (D) and "+" (B) keys to activate this function. The display shows «  » (G) indicating the control panel is locked.

- To unlock the controls  (G)

To unlock the control panel, press again simultaneously for 3 seconds the «  » (D) and «+» (B) keys. The lock symbol «  » (G) is no longer displayed.

- To activate and set the « Auto Cycle 24H » (C)

You enter every day at the same time in your bathroom and you like to have this feeling of warmth. The « Auto Cycle 24H » (C) is handled automatically by setting the «Chrono» time.

Once the "Auto Cycle 24 H" function is activated, the device will do a preheat of 15 minutes on regulated power (600 W), then another 15 minutes on full power before "Chrono" time. At this time, it activates the timer for the duration saved as default.

- To set the « Chrono » time

The « Chrono » time is the time at which you want the bathroom to be warm every day.

This operation should be done once, **at the desired time**. The « Chrono » time will be kept and repeated every day.

To program the "Chrono" time, press for 3 seconds on the "24 H" key. This causes a slow blink of the indicator light.

Press briefly on the "24 H" key to stop the indicator light from blinking and confirm the setting.

Note: If no "Chrono" time is set when the command is activated, the "24 H" key indicator's light flashes, indicating that the "Auto Cycle 24 H" cannot be activated.

**IN CASE OF POWER FAILURE, ALL SETTINGS WILL BE LOST.**



## Recommendations and advices

### CAUTION:

**This heater is not designed to warm towels.** For a proper ventilation and heater performance, do not place towels on the towel rails with longer length than that of the heater (Fig. 7) specially when using the timer.

Do not introduce anything in the unit.

If the heater is covered, there is a risk of overheating. It is forbidden to cover or obstruct the air inlet or air outlet at the risk of incidents or damage to the unit.

If the thermostat displays "EE", please take the towel off the towel rails and let the heater cool down. Once the heater has cooled down, it will restart automatically.

CORRECT



INCORRECT



Fig. 7

## 6 OVERHEAT CONTROL

This heater is equipped with separate overheat controls for the convection element and for the fan-forced system. In case of a malfunction of the unit (blocked air output or intake, for example) the heater will stop heating automatically. After correcting the malfunction, the heater can be reset.

To reset the heater :

- **Convection element:** Check that the front panel, top and bottom and back air inlet of the heater are free of obstruction. Once the obstruction is removed and the heater cools down, the overheat control will reset automatically.

- **Fan-forced system:** Turn the back switch of the heater to "STANDBY". Check that the lower back inlet and the lower front outlet are free of obstruction. Wait 5 minutes and turn the heater switch back to "ON" position.

## 7 MAINTENANCE

To keep your CONVECTAIR unit clean, regular maintenance is suggested. To remove dust, use a soft cloth. To remove a stain, use a damp cloth.

For a better performance and maximum efficiency, it is suggested that dust and lint be regularly removed from the protective grill situated in front of your ADAGIO.

**NEVER USE ABRASIVE OR ACETONE-BASED PRODUCTS TO CLEAN YOUR HEATER AS THIS MAY DETERIORATE THE EPOXY FINISH.**

**ANY REPAIR ON YOUR HEATER SHOULD ONLY BE DONE BY A QUALIFIED TECHNICIAN, AND ONLY AFTER THE HEATER HAS BEEN DISCONNECTED.**

### Recommendations and advice

Your CONVECTAIR heater will become hot when in use. Caution is advised when young children are present.

Do not insert small objects in the heater : this could cause an electrical short circuit, fire or damage to the inner components.


Any use or modifications not approved by CONVECTAIR may cause electrical short circuits, fire or injuries to the users.

In certain cases, it is possible for yellowing of the surface to occur over time. This is not due to a manufacturing defect. This is caused by surrounding air, which may contain smoke or dust, being heated and circulated through the heater. This is particularly the case with white heaters and may translate in an important coloring of the unit.

**Prevention: it is suggested that surfaces be frequently cleaned especially with units installed in bathrooms, kitchens, locations where cigarette smoke is present, rooms with a fireplace or wood stove. Never use this heater during construction work or other activities that generate a lot of dust.**

## 8 TROUBLESHOOTING

Before calling CONVECTAIR, please go through these simple checks :

- 1- Open and reset the breaker in the main panel.
- 2- Check that the "ON / Standby" switch at the back of the heater is at the "ON" position.
- 3- Press the "  " (A) button. The indicator light should turn green.
- 4- Activate the timer function (D).

If the indicator light is still off, and no heat is generated, call CONVECTAIR at 1 800 463-6478 or contact the nearest Service Center.

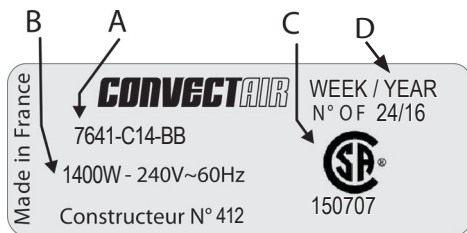
## 9 IDENTIFICATION OF YOUR HEATER

**IMPORTANT : PRODUCT INFORMATION APPEARS ON THE HEATER'S IDENTIFICATION LABEL.**

The identification label is located on the back of the heater

It includes :

- The complete model number, capacity, colour (A) and its production reference number (D) that must be included in any warranty claim.
- Capacity (B).
- Standard certification (C).



## 10 WARRANTY INFORMATION

2 years against all defects / 5 years on heating element.

All CONVECTAIR heaters are subjects to a double warranty.

Warranty is applicable from date of purchase by the customer and under certain specific conditions. All details furnished with each heater. Please keep your invoices (purchase and / or installation).

To register your product warranty you may fill out the form available on our website OR fill out the paper form included with the heater.

Unauthorized modification of the heater will contravene with the product warranty.

### SERVICE CENTERS :

Contact CONVECTAIR to find the closest service center:

- Toll-free : 1 800 463-6478
- Website : [www.convectair.com](http://www.convectair.com)

# CONVECTAIR

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