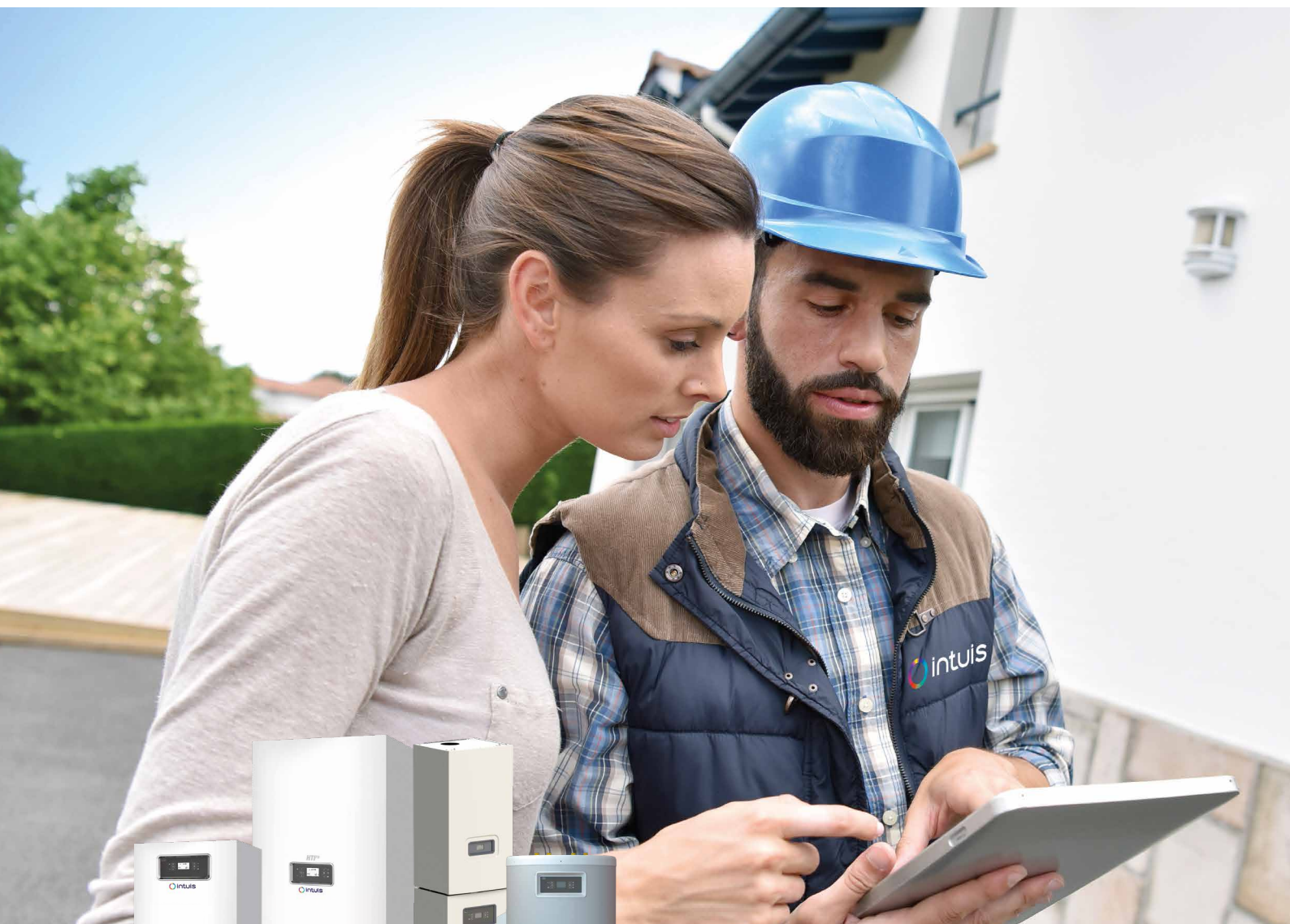


Auer

devient

 **intuis**

MORE COMFORT, LESS ENERGY.



OUR HTi⁷⁰
HEAT PUMPS

*Only for HTi⁷⁰ 6 single-phase & 8kW single-phase and three-phase, with Premium+ and DSi70 D controls.

OUR HTi⁷⁰ HEAT PUMPS AND CONTROLS

The HTi⁷⁰ range is renowned for its Inverter technology, which allows a vast power adaptation range from 15% to 100%. The ability to respond to the desired level of comfort, depending on external conditions. This generates efficiency and ensures savings.

High temperatures (up to 70 °C) are possible thanks to R290. This refrigerant can be used to provide 100% thermodynamic heating and domestic hot water for renovation projects. Remarkable performance levels that improve even further when water levels are lower, as with new-build projects.

Technology		
Maximum water outlet temperature (excluding back-up)		
Refrigerant		
Maximum heat pump capacity		
Type of back-up/Power		
Configuration	Heating	1 circuit
		2 circuits
	DHW	Integrated
		Remote ⁽¹⁾
Energy class up to		35 °C/55 °C
		DHW
Seasonal performance coefficient up to		35 °C/55 °C
Seasonal energy efficiency/ SEER (115) up to		35 °C/55 °C
Description Application	New	Individual
		Collective
	Renovation	Individual
		Collective
Radiators		Underfloor /Ceiling
		Radiators

HTi ⁷⁰ Range			HYBRID Range
			
ORIUM CONTROL UNIT	PREMIUM+ CONTROL UNIT	DS170 D CONTROL UNIT	GAS HYBRID CONTROL UNIT
Variable-power individual unit			Variable-power individual unit
70 °C			70 °C
R290			R290
Single-phase: 6kW Single-phase/Three-phase: 8kW	Single-phase: 6kW Single-phase / Three-phase: 8/11/14kW	Single-phase: 6kW Single-phase / Three-phase: 8/11/14kW	Single-phase: 6kW Single-phase / Three-phase: 8/11/14kW
Electric 6kW single-phase/ three-phase	Electric 6kW single/three- phase or boiler <i>(not included)</i> .	Electric 6kW single-phase/ three-phase	Integrated gas condensing boiler
✓	✓	✓	✓
Optional	Can be integrated	Optional	Optional ⁽¹⁾
-	-	170L	-
✓	✓	-	✓
A+++ / A+++ ⁽²⁾	A+++ / A+++ ⁽³⁾	A+++ / A+++ ⁽³⁾	A+++ / A+++ ⁽³⁾
-	-	A+	-
4,8 ⁽⁴⁾ / 3,9 ⁽⁴⁾	4,8 ⁽⁴⁾ / 3,9 ⁽⁴⁾	4,8 ⁽⁴⁾ / 3,9 ⁽⁴⁾	4,8 ⁽⁴⁾ / 3,9 ⁽⁴⁾
190% / 154% ⁽³⁾	190% / 154% ⁽³⁾	190% / 154% ⁽³⁾	192% / 155% ⁽⁴⁾
✓	✓	✓	✓
-	-	-	-
✓	✓	✓	✓
-	-	-	-
✓	✓	✓	✓
✓	✓	✓	✓

(1) See catalogue (2) With HTi⁷⁰ 8kW three-phase (3) With HTi⁷⁰ 8kW single-phase and three-phase (4) With HTi⁷⁰ 8kW single-phase

PRESENTATION OF OUR HTi⁷⁰ HEAT PUMPS

High-temperature 70 °C
intuis heat pumps with
highly adaptative power.



Advantages for business customers



Design

- The single-unit design allows easy installation, with a simple hydraulic link between the heat pump and control unit, so there's no need to handle any fluids.
- All components are quickly accessible to facilitate maintenance.
- Delivery includes a full kit with heat pump, control unit, hydraulic connection kit with filter and sensor, and a buffer tank where necessary.



Use

- The Premium+ model can also use the existing boiler as a back-up in a hybrid system.



Performance

- High temperatures up to 70 °C thanks to R290 refrigerant, providing heating in all configurations and anti-legionella cycles without back-up for DHW production.



Comfort & durability

- The solid construction with anti-rust and UV-protected steel panel structure, fully stainless steel heat exchanger, anti-rust-treated evaporator ensure a longer lasting product.



Savings

- Operates with or without back-up (gas, electricity, etc.) depending on the installation configuration.

Benefits for your customers



Design

- Our heat pumps are designed and manufactured in France at our Feuquières-en-Vimeu factory, and the majority are Origine France Garantie certified⁽¹⁾.
- Heating, cooling, and domestic hot water requirements can be covered according to the control unit chosen.
- The main parts are guaranteed for 5 years (compressor, tank, electrical equipment)⁽²⁾.



Use

- Our heat pumps are designed for detached homes, recent builds, new RE2020 builds, and renovation projects.
- They are perfect for underfloor/ceiling heating/cooling, low-temperature, fan coil or high-temperature radiator projects.



Performance

- The Inverter compressor allows for highly adaptive power, from 15 to 100%, to adjust power according to requirements and outdoor conditions

- Our heat pumps run on thermodynamic power down to a -20 °C outside air temperature.



Comfort & durability

- The meticulous design means they make very little noise.



Environment

- The non-fluorinated R290 refrigerant drastically reduces the impact on the greenhouse effect and complies with F-GAS regulations.



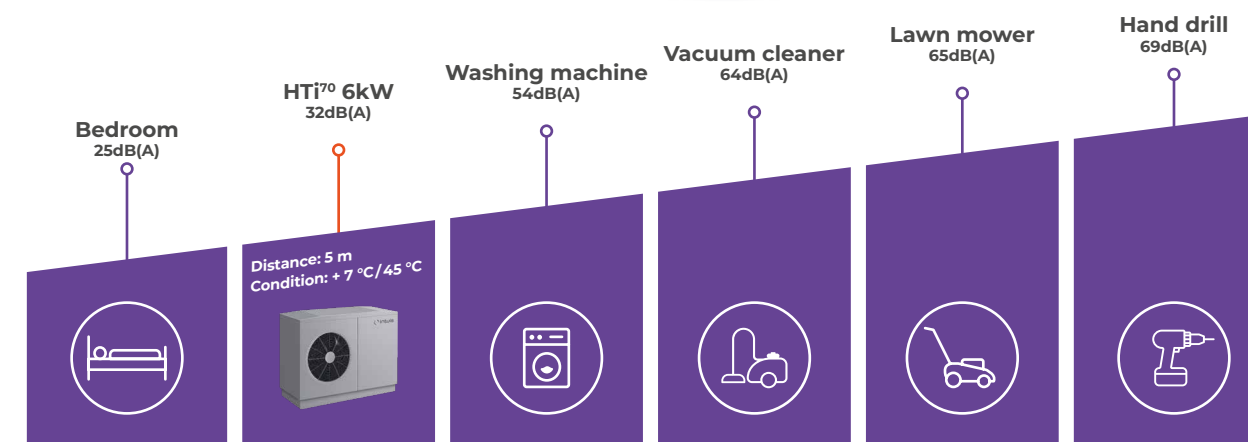
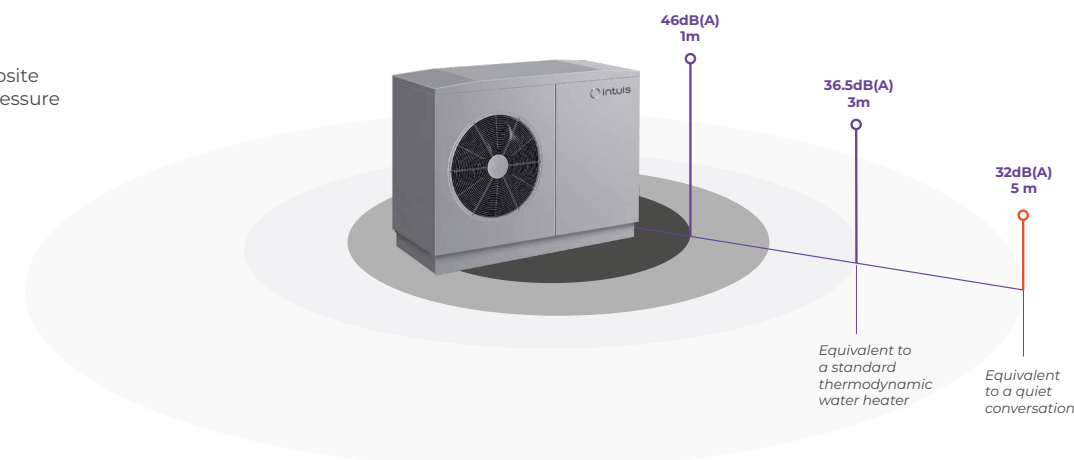
Savings

- Our heat pumps are eligible for state aids and the EDF bonus.
- The high performance coefficient allows a reduction in meter subscription costs.

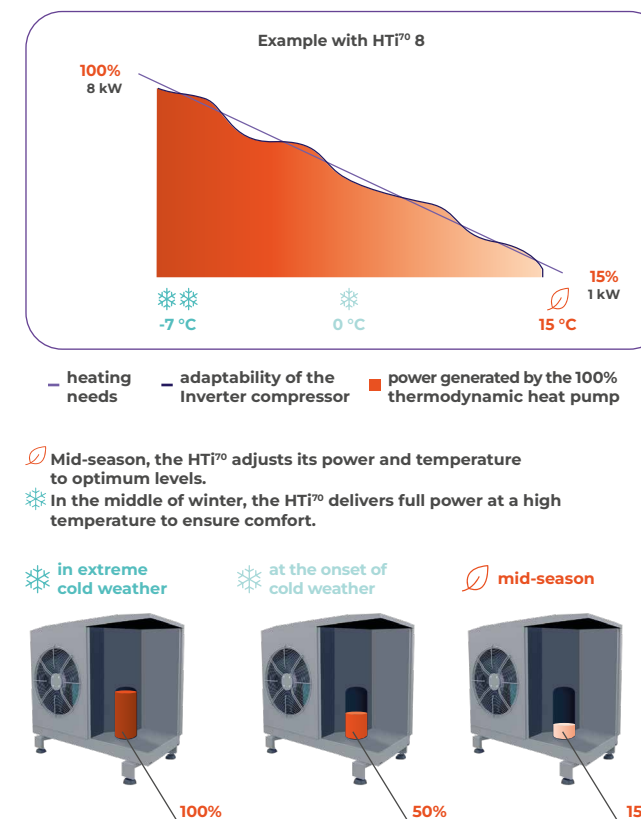
(1) Only for HTi70 6 single-phase & 8kW single- & three-phases with Premium+ and DS170 D control units.
(2) Compressor guaranteed for 5 years subject to compliance with the warranty conditions set out in the T&Cs of the current price list.

Noise output of 6kW outdoor unit

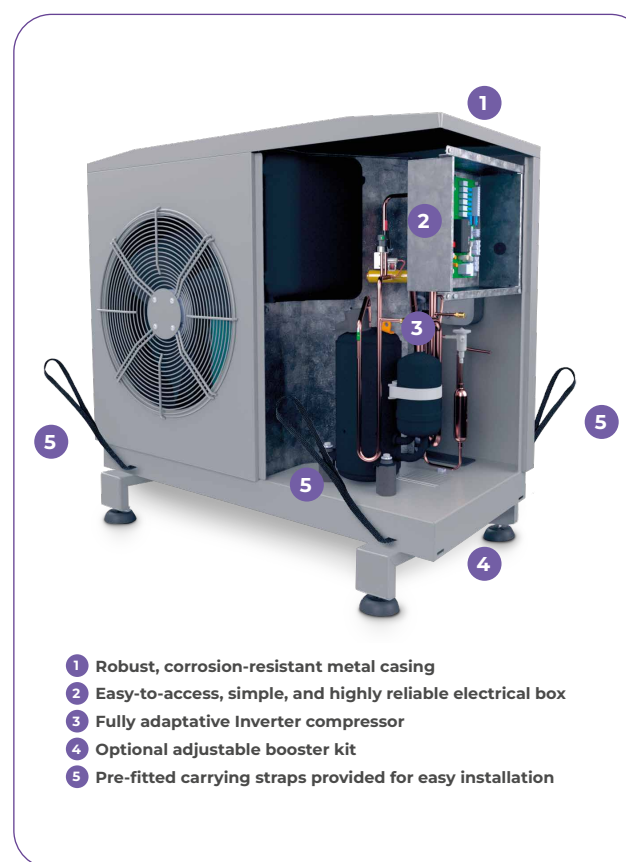
The diagrams opposite show the sound pressure at 5 m +7 °C/45 °C
Directionality 4 measures.



Presentation of Inverter technology



The HTi⁷⁰ has an Inverter compressor that adapts its power from 15 to 100%.



TIPS FOR EFFICIENT INSTALLATION



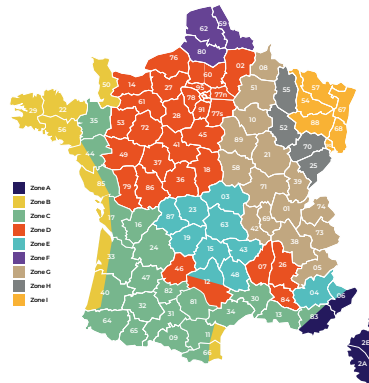
Use our DimoPAC tool dedicated to detached home projects to choose the most suitable heat pump model for your project. It's a practical tool that will help you assess heat loss and offer you a selection of suitable solutions, in line with QualiPAC requirements and state financial aids. It can be downloaded from the business section of our website and will soon be available online via a specialised app.

Warning: this tool is only an indicator; accuracy depends on the quality of the information entered. If you require greater precision, please use a qualified design office.

What questions do you need to ask to be as precise and thorough as possible when preparing your project?

1. Project location

To establish the reference temperature, location, altitude, and distance from the sea are decisive indicators. Your design will be defined according to these factors as well as the building's heat loss information.



2. Installation

Equipment installation conditions, available space, state of the floor and walls, condensate drainage, visual and acoustic impact, performance linked to the distance between the indoor and outdoor units, etc. There are many points to take into account to ensure a good setup.

3. Electricity

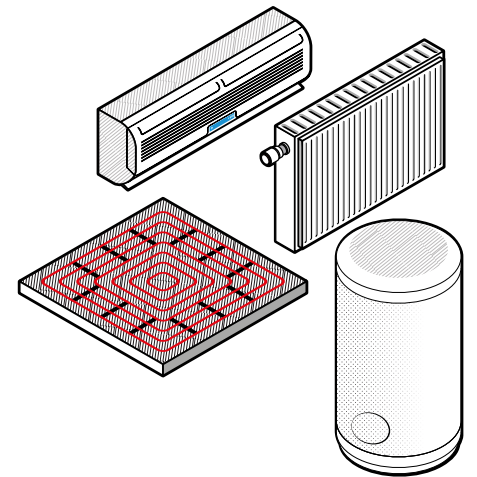
Correctly calibrating your electrical installation is the key to success. It's a step that definitely shouldn't be overlooked! You should take into account the wattage of the meter, the presence of a circuit breaker, the current (single-phase or three-phase), the need to add an electrical panel, and voltage variations or micro-cuts in the network and cable cross-sections.

4. The type of project

What does this mean? The use of a heat pump. Are you replacing an existing boiler or a heat pump? What was your previous consumption level? Is there a fireplace or woodburner? All this information will guide the design of your installation.

5. The heating conditions

Type (radiator, underfloor, ceiling, fan coil), water flow rates and DHW requirements if necessary.



6. Miscellaneous points

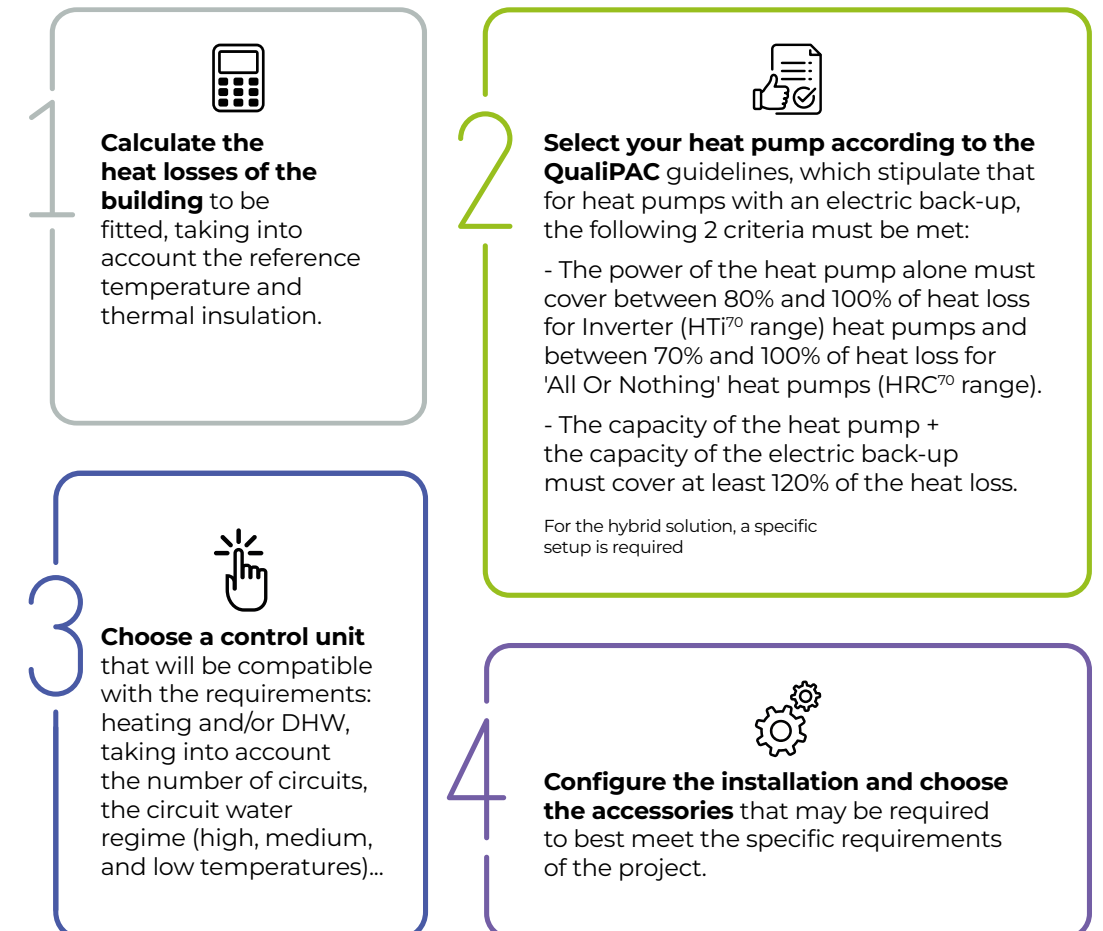
To avoid any issues after the job has been completed, you'll need to ensure an open dialogue with your customer. What is the objective? Find out what their habits are and how they use their heating and DHW system.

All these aspects contribute to overall satisfaction, user comfort, and efficient energy consumption. System design is crucial.

With these elements in hand, what's the next step?



DESIGN

The design stage is crucial when preparing a project



UNDERSTANDING THE DIFFERENT CONTROL UNITS

Compatibility of individual residential control units and HTi70 heat pumps.

Control units		Control unit features	Control unit plus points	HTi70 6kW / HTi70 8kW	HTi70 11kW / HTi70 14kW
		Excluding the Thorix hydraulic module, which allows more circuits to be covered	Integrated separator kit Hydraulic connection kit included	 	
Orium		Standard equipment: 1-circuit heating & remote DHW Optional kit: Cooling	Intended use: new/recent houses and simple installations 6kW stepped back-up Ideal for floor/ceiling Optional cooling function (kit)	6kW SEER 35/55: 187%/133% 8kW SEER 35/55: 190%/154%	X
Premium+		Standard equipment: 1-circuit heating & boiler connection Optional kit: 2-circuit heating & boiler connection Or 1-circuit heating & remote DHW & boiler connection	Intended use: renovations and complex installations Integrated 38L buffer tank Connection to existing boiler for back-up. Stepped 6kW back-up, compliant with norms Optional kit for 2 nd circuit	6kW SEER 35/55: 187%/133% 8kW SEER 35/55: 190%/154%	11kW SEER 35/55: 186%/144% 14kW SEER 35/55: 175%/143%
DSi70 D		Standard equipment: 1-circuit heating & integrated DHW	Intended use: new homes or renovation projects Onix 40L buffer tank for 11 & 14kW power ratings Stepped 6kW back-up, compliant with norms 170 L DHW tank (integrated in the control unit)	6kW SEER 35/55: 187%/133% 8kW SEER 35/55: 190%/154%	11kW SEER 35/55: 186%/144% 14kW SEER 35/55: 175%/143%
Gas Hybrid		Standard equipment: 1-circuit heating & remote DHW	Intended use: renovation projects Integrated 18kW gas boiler. High temperature - 80 °C Adaptative gas condensing booster Smart system with 3 operating modes (heat pump only, hybrid, boiler only)	6kW SEER 35/55: 190%/137% 8kW SEER 35/55: 192%/155%	11kW SEER 35/55: 186%/144% 14kW SEER 35/55: 177%/144%

REMINDER OF THE STEPS TO FOLLOW DURING A WORKSITE

You've studied the feasibility of the project, identified the right equipment, and created a dimension sheet using the DimaPAC tool. Here are a few more steps...



1 - Applying for financial aid⁽¹⁾

If you want your customers to benefit from financial aid, there are a number of schemes available depending on their income. Options available in France include MaPrimeRénov', 'heating boost', CEEs, the 0% eco-loan, 5.5% VAT, anti-energy-waste bonus, etc. However, not all forms of assistance can be combined, so you'll need to carry out a simulation. To do so, head over to france-renov.gouv.fr/aides/simulation/



2 - Proceed with installation

The next step is installation. Don't forget that the quality of the hydraulic system is paramount. Desludging and treatment are effective solutions that protect the system and improve its performance. Other basic rules need to be followed, such as the correct positioning of filters, inclusion of a sludge trap, a tapping point, a correctly sized expansion tank, air valves at high points, etc. Bleeding the circuit is a key stage in installation, but long-term maintenance is essential.



Watch a video showing an example of a renovation project.



3 - Send off the warranty certificates

Once the installation has been completed, it is essential to return the warranty certificates for the equipment installed. This enables you to activate the guarantee on the date of installation and, if you've subscribed, to take advantage of our loyalty programme⁽²⁾.



4 - Start up

You can now start up the equipment and proceed to Setup. If you use a brand-approved Service Centre, you'll benefit from an additional 5-year warranty extension on all parts and labour for the first year. This extension is guaranteed by the conformity approved by our departments and by compliance with the maintenance protocol for our products. All documents must be returned to the intuis technical department. As part of the maintenance and care process, the manuals and maintenance guides will help you to operate in the best possible conditions to ensure optimum user comfort.

(1) For mainland France only. (2) The loyalty programme applies to mainland France only.

ORIUM HTi⁷⁰

Compact, multifunctional, and triple service for all-season comfort.



Advantages for business customers



Design

- The cooling kit is available as an option (back plate + condensate drain bin ref.754602).
- No refrigerant handling required thanks to a simple hydraulic link between the heat pump and the control unit (the full kit includes pump + control unit + hydraulic link with filters and 2 hoses).



Performance

- High temperatures up to 70 °C thanks to R290 refrigerant, providing heating in all configurations and anti-legionella cycles without back-up for DHW production.



Comfort & durability

- Its flexibility means it can cover several circuits (requires accessories, notably the Thorix).
- Integrated single- or three-phase 6kW electric back-up (2, 4, and 6kW).



Savings

- Operates with or without back-up (gas, electricity, etc.) depending on the installation.



Design

- The compact, comprehensive control unit meets all needs: heating, cooling (available at the end of 2023) and remote DHW.



Usage

- Orium is ideal for new-build projects with low-temperature heating (underfloor or ceiling heating) or high-temperature radiators for renovations.



Performance

- The Inverter compressor allows for highly adaptive power, from 15 to 100%, to adjust power according to requirements and outdoor conditions.
- Our heat pumps run on thermodynamic power down to a -20 °C outside air temperature.



Comfort & reliability

- Smart remote management (optional).
- Its meticulous design makes it quiet when running.



Environment

- The non-fluorinated R290 refrigerant drastically reduces the impact on the greenhouse effect and complies with F-GAS regulations.



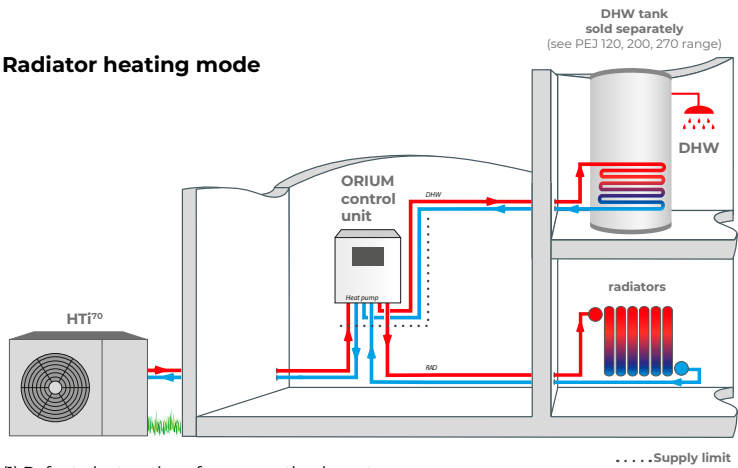
Savings

- Eligible for financial assistance/EDF grant.
- The high performance coefficient allows a reduction in meter subscription costs.

Benefits for your customers

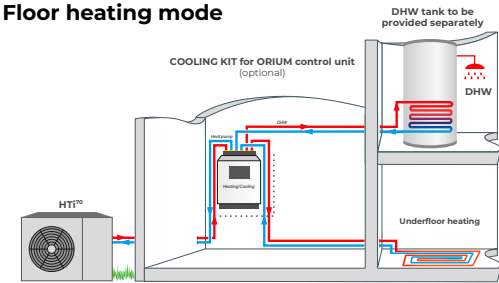
Schematic diagram ⁽¹⁾: HTi⁷⁰ ORIUM

Radiator heating mode



(1) Refer to instructions for connection layout.

Floor heating mode



Floor cooling mode. DHW always takes priority.

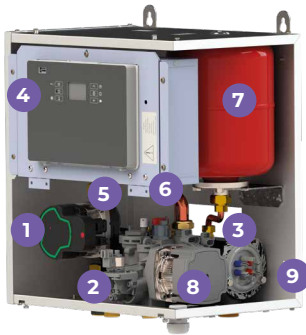
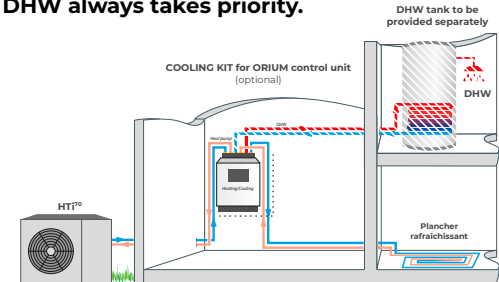
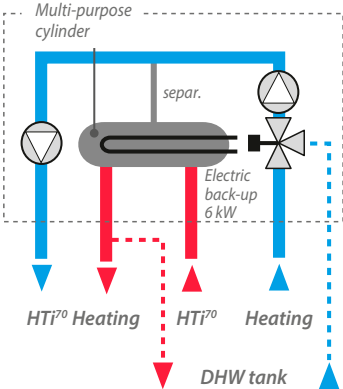


Diagram of ORIUM control unit

- 1 Heat pump circulator
- 2 3-way heating/DHW valve
- 3 20-year warranty on cast-iron unit
- 4 Control panel
- 5 Automatic air vent
- 6 Valve
- 7 5L expansion tank
- 8 DHW/Heating circulator
- 9 Stepped 6kW electric back-up

Hydraulic diagram



HTi⁷⁰ 6, 8kW heat pump systems

Product name	Energy class & SEER 35° C/55 °C	Heating capacity Maximum at -7° C/65 °C	Item
HTi ⁷⁰ 6kW single-phase Orium	A+++ / A++ 187%/133%	5,5	155009
HTi ⁷⁰ 8kW single-phase Orium	A+++ / A++ 190%/154%	6,85	155019
HTi ⁷⁰ 8kW three-phase Orium	A+++ / A+++ 190%/154%	6,85	155059
Accessories	Cooling kit for Orium Control unit (optional)		754602

NB: Sets come with an exterior sensor as standard. This allows an extra 2% on your SEER.

HTi⁷⁰ PREMIUM+

Ideal for renovation projects with numerous hydraulic connection options.



Advantages for business customers



Design

- No refrigerant handling is required thanks to a simple hydraulic link between the heat pump and the control unit. The full kit includes the heat pump, control unit, hydraulic link with filters and 2 hoses, the outdoor sensor, and the 10 m bus cable fitted directly to the heat pump.



Performance

- High temperatures (up to 70 °C) providing heating in all configurations and anti-legionella cycles without back-up for DHW production.

- Wide power range: HTi⁷⁰ 6kW single-phase, HTi⁷⁰ 8, 11, 14kW single- or three-phase; can be adapted to different configurations.



Comfort & durability

- Its flexibility allows it to cover several circuits. What's more, it can be adapted using a second circuit kit.
- Integrated single- or three-phase 6kW electric back-up (2, 4, and 6kW).



Savings

- Operates with or without back-up (gas, electricity, etc.) depending on the installation configuration.

Benefits for your customers



Design

- Origine France Garantie certified control unit⁽¹⁾: French know-how at factories located within France.
- The Premium+ control unit covers all heating and remote DHW requirements.
- Independent circuits allow for an extended service life.



Usage

- Ideal control unit for older detached homes as well as renovation projects.
- Premium+ can be used to replace or accompany an old boiler and does not require the replacement of existing high-temperature radiators.



Performance

- The Inverter compressor allows for highly adaptive power, from 15 to 100%, to adjust power according to requirements and outdoor conditions.

- Thermodynamic running down to a -20 °C outside air temperature.



Comfort & reliability

- Smart remote management (optional).
- Its meticulous design makes it quiet when running.



Environment

- The non-fluorinated R290 refrigerant drastically reduces the impact on the greenhouse effect and complies with F-GAS regulations..

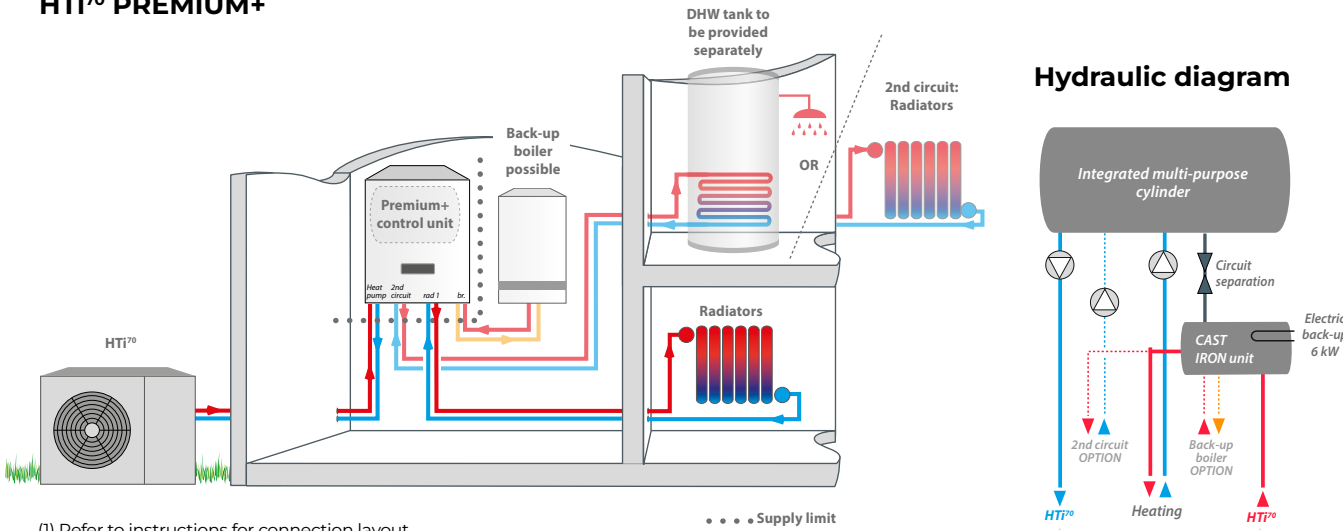


Savings

- Eligible for financial assistance/EDF grant.
- The high performance coefficient allows a reduction in meter subscription costs.

(1) Only for HTi⁷⁰ 6 single-phase & 8kW single-phase and three-phase, with Premium+ and DS170 D control units.

Schematic diagram ⁽¹⁾:
HTi⁷⁰ PREMIUM+



(1) Refer to instructions for connection layout.

Diagram of PREMIUM+ control unit



- 1 Heating circulator
- 2 38 L insulated multi-function tank
- 3 Safety valve
- 4 Pressure sensor
- 5 Cast iron hydraulic distribution unit
- 6 Air vent
- 7 Heat pump circulator
- 8 Stepped 6kW electric back-up

HTi⁷⁰ 6, 8, 11, and 14kW heat pump systems

Product name	Energy class & SEER 35° C/55 °C	Heating capacity Maximum at -7° C/65 °C	Item
HTi ⁷⁰ 6kW single-phase Premium+	A+++/A+ 187%/133%	5,5	155006
HTi ⁷⁰ 8kW single-phase Premium+	A+++/A+ 190%/154%	6,85	155016
HTi ⁷⁰ 8kW three-phase Premium+	A+++/A+ 190%/154%	6,85	155056
HTi ⁷⁰ 11kW single-phase Premium+	A+++/A+ 186%/144%	11	155026
HTi ⁷⁰ 11kW three-phase Premium+	A+++/A+ 185%/144%	11	155066
HTi ⁷⁰ 14kW single-phase Premium+	A+++/A+ 175%/143%	13	155036
HTi ⁷⁰ 14kW three-phase Premium+	A+++/A+ 175%/143%	13	155076

NB: Sets come with an exterior sensor as standard - this allows an extra 2% on the SEER.

HTi⁷⁰ DS170 D

All-in-1 heating and DHW integrated into the unit for compactness, practicality and style.



Advantages for business customers



Design

- DS170 D is an autonomous, compact, and comprehensive hydro-electronic control unit boasting easy installation and optimised running.
- No refrigerant handling required thanks to a simple hydraulic link between the heat pump and the control unit (the full kit includes pump + control unit + hydraulic link with filters and 2 hoses).



Performance

- High temperatures (up to 70 °C) providing heating in all configurations and anti-legionella cycles without back-up for DHW production.

- Wide power range: HTi⁷⁰ 6kW single-phase, HTi⁷⁰ 8, 11, 14kW single- or three-phase; can be adapted to different configurations.



Comfort & durability

- Its flexibility allows it to cover several circuits.
- Integrated 170 L DHW tank.
- Integrated single- or three-phase 6kW electric back-up (2, 4, and 6kW).



Savings

- Operates with or without back-up (gas, electricity, etc.) depending on the installation configuration.

Benefits for your customers



Design

- Origine France Garantie certified control unit ⁽¹⁾: French know how at factories located within France.
- The DS170 D control unit covers all integrated heating and DHW requirements.
- Independent circuits allow for an extended service life.



Usage

- DS170 D is perfectly suited to RE2020 new-build projects with low-temperature heating (underfloor or ceiling heating, low-temperature radiators) or high-temperature radiators for renovations.
- Can be used to replace an old boiler and does not require the replacement of existing high-temperature radiators.



Performance

- The Inverter compressor allows for highly adaptive power, from 15 to 100%, to adjust power according to requirements and outdoor conditions.

- Thermodynamic running down to a -20 °C outside air temperature.



Comfort & reliability

- Smart remote management (optional).
- Its meticulous design makes it quiet when running.



Environment

- The non-fluorinated R290 refrigerant drastically reduces the impact on the greenhouse effect and complies with F-GAS regulations.

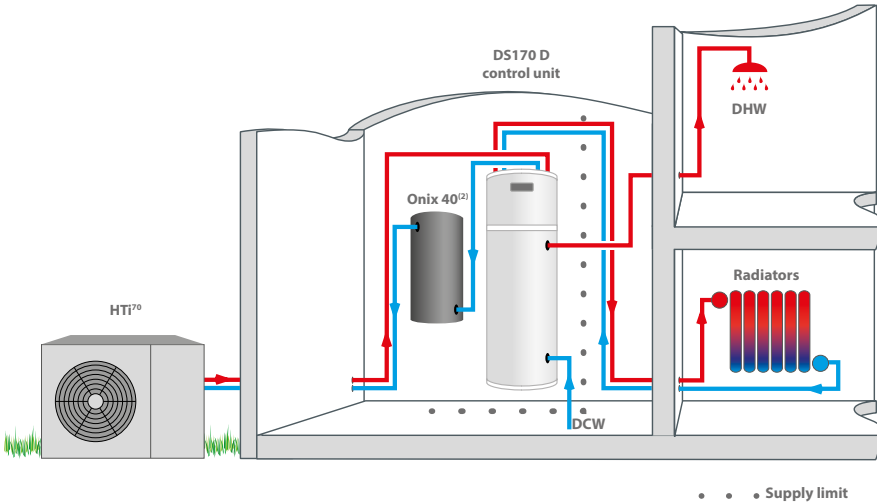


Savings

- Eligible for financial assistance/EDF grant.
- The high performance coefficient allows a reduction in meter subscription costs.

⁽¹⁾ Only for HTi⁷⁰ 6 single-phase & 8kW single-phase and three-phase, with Premium+ and DS170 D control units.

Schematic diagram ⁽¹⁾:
HTi⁷⁰ DS170 D



⁽¹⁾ Refer to instructions for connection layout.
⁽²⁾ Buffer tank for HTi⁷⁰ 11 and 14 kW only.

Hydraulic diagram

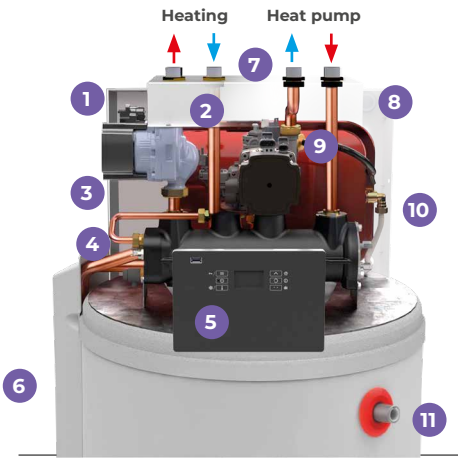
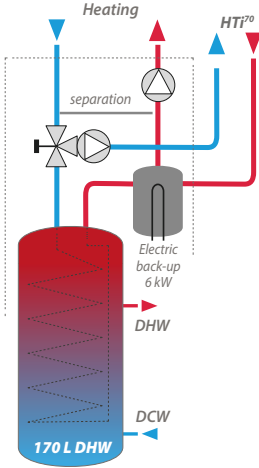


Diagram for DS170 D control unit

- Heating circulator
- 3-way heating/DHW valve
- Separator
- 20-year warranty on cast-iron unit
- Control panel
- Enamelled steel 170 L DHW tank
- Automatic air vent
- 8L expansion tank
- Heat pump/DHW circulator
- Stepped 6kW electric back-up
- DHW

HTi⁷⁰ 6, 8, 11, and 14kW heat pump systems

Product name	Energy class & SEER 35° C/55 °C	Heating capacity Maximum at -7° C/65 °C	Item
HTi ⁷⁰ 6kW single-phase DS170 D	A ⁺⁺⁺ /A ⁺⁺ 187%/133%	5,5	155004
HTi ⁷⁰ 8kW single-phase DS170 D	A ⁺⁺⁺ /A ⁺⁺⁺ 190%/154%	6,85	155014
HTi ⁷⁰ 8kW three-phase DS170 D	A ⁺⁺⁺ /A ⁺⁺⁺ 190%/154%	6,85	155054
HTi ⁷⁰ 11kW single-phase DS170 D/40	A ⁺⁺⁺ /A ⁺⁺ 186%/144%	11	155024
HTi ⁷⁰ 11kW three-phase DS170 D/40	A ⁺⁺⁺ /A ⁺⁺ 185%/144%	11	155064
HTi ⁷⁰ 14kW single-phase DS170 D / 40	A ⁺⁺⁺ /A ⁺⁺ 175%/143%	13	155034
HTi ⁷⁰ 14kW three-phase DS170 D / 40	A ⁺⁺⁺ /A ⁺⁺ 175%/143%	13	155074

NB: sets are supplied with an exterior sensor as standard. This allows an extra 2% on your SEER.

HTi⁷⁰ GAS HYBRID

Combines thermodynamics with a gas condensing back-up incorporated into the control unit; perfect for extreme temperatures.



Advantages for business customers



Design

- Optimised DHW management with a choice of volume and tank location, and water heated by the heat pump.
- No refrigerant handling required thanks to a simple hydraulic link between the heat pump and the control unit (the full kit includes pump + control unit + hydraulic link with filters and 2 hoses).



Performance

- Suitable for phased renovation of poorly insulated homes:
 - Before insulation > boiler used if requirements exceed the capacity of the heat pump on the coldest days.



Comfort & durability

- Its flexibility allows it to cover several circuits.



Savings

- Operates with or without back-up (gas, electricity, etc.) depending on the installation configuration.



Design

- The Hybrid Gas control unit covers all heating and remote DHW requirements.
- Independent circuits allow for an extended service life.



Usage

- Ideal for extreme temperatures or isolated locations in the countryside or mountains.
- Can be used to replace an old boiler and does not require the replacement of existing high-temperature radiators.



Performance

- Guaranteed thermal comfort all winter long thanks to the adjustable gas condensing auxiliary heating system.
- Thermodynamic running down to a -20 °C outside air temperature. The system selects the most efficient energy based on external conditions.



Comfort & reliability

- Smart remote management (optional).
- Runs in Peak/Off-Peak Time mode and is compatible with the EJP programme (France only).
- The systems are independent: Heat pump only, hybrid heat pump/gas boiler, boiler only
- The meticulous design allows for quiet running.



Environment

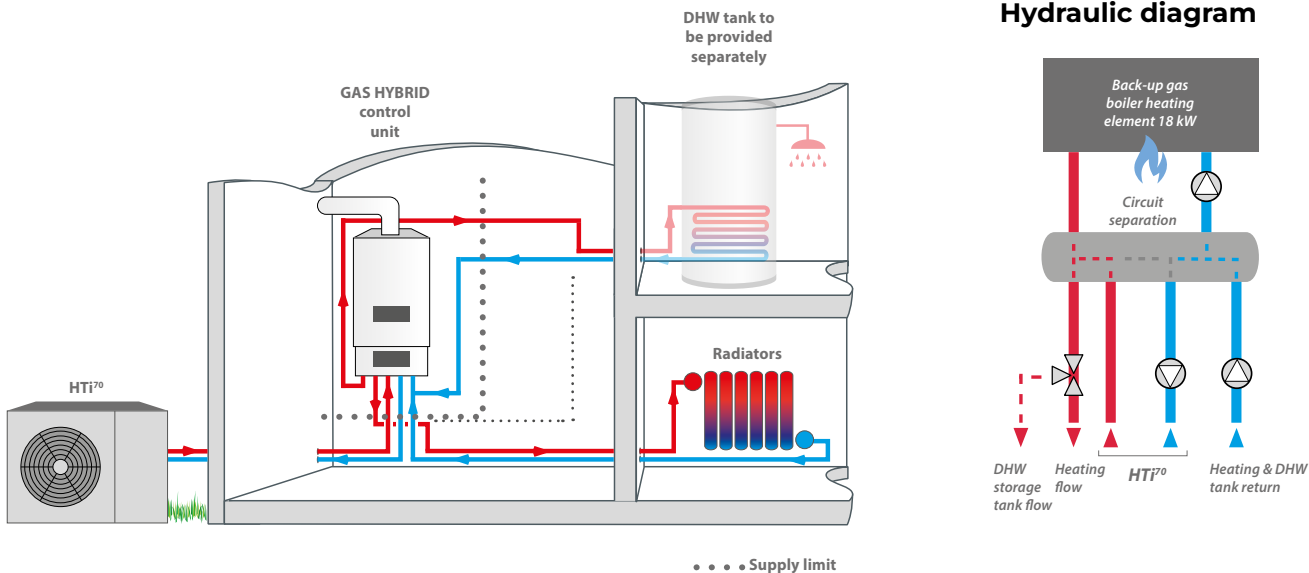
- The non-fluorinated R290 refrigerant drastically reduces the impact on the greenhouse effect and complies with F-GAS regulations.



Savings

- Eligible for financial assistance/EDF grant.
- The high performance coefficient allows a reduction in meter subscription costs. No need to switch to three-phase and increase your electricity bill for high power requirements. Minimum gas contract.

Schematic diagram ⁽¹⁾:
HTi⁷⁰ GAS HYBRID



(1) Refer to instructions for connection layout.



Diagram of a GAS HYBRID control unit

- 1 8L expansion tank
- 2 Burner
- 3 Gas unit
- 4 Valve
- 5 Gas boiler circulator
- 6 Tank
- 7 Heating/DHW circulator
- 8 Heat pump circulator
- 9 3-way heating/DHW valve
- 10 Condensate drain
- 11 Exhaust valve

HTi⁷⁰ 6, 8, 11, and 14kW heat pump systems

Product name	Energy class & SEER 35° C/55 °C	Heating capacity Maximum at -7° C/65 °C	Item
HTi ⁷⁰ 6kW single-phase Gas Hybrid	A+++/A++ 190%/137%	5,5	155008
HTi ⁷⁰ 8kW single-phase Gas Hybrid	A+++/A+++ 192%/155%	6,85	155018
HTi ⁷⁰ 8kW three-phase Gas Hybrid	A+++/A+++ 191%/153%	6,85	155058
HTi ⁷⁰ 11kW single-phase Gas Hybrid	A+++/A++ 186%/144%	11	155028
HTi ⁷⁰ 11kW three-phase Gas Hybrid	A+++/A++ 186%/144%	11	155068
HTi ⁷⁰ 14kW single-phase Gas Hybrid	A+++/A++ 177%/144%	13	155038
HTi ⁷⁰ 14kW three-phase Gas Hybrid	A+++/A++ 177%/144%	13	155078

NB: sets are supplied with an exterior sensor as standard. This allows an extra 2% on your SEER.

HEAT PUMP AND CONTROL UNIT ACCESSORIES



EXTERNAL UNIT



Ref. 753102
2 core armoured cable,
20 m



Ref. 754208
40 m DN 30 coil hose for HTi70
11/14kW and HRC70



Ref. 754209
4 DN25 tube connectors for
HTi70 6/8kW



Ref. 754600
12 cm adjustable booster
for HTi70



Ref. 754103
2 core armoured cable,
50 m



Ref. 741003
Adjustable tripod
for Onix 40



Ref. 711000
High-capacity 1 1/4"
filtration kit for HTi70 6/8kW



Ref. 751004
External defrosting cable
for HRC70



Ref. 754210
4 DN30 tube connectors
for HTi70 11/14 kW

INTERIOR UNIT



Ref. 710014
KD10 - Shutoff kit



Ref. 710111
65 °C manual reset
underfloor heating
temperature limiter



Ref. 710018
1" F/F check valve



Ref. 754602
Cooling kit for Orium

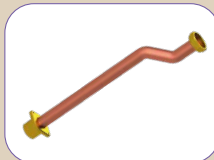


Ref. 754300
Adjustable humidistat
for cooling mode

ADDITIONAL CIRCUITS



Ref. 710111
65 °C manual reset
underfloor heating
temperature limiter



Ref. 754211
2nd Premium+ circuit kit
by Thorix IC



Ref. 753105
2nd circuit identical
temperature kit for
Premium+



Ref. 755823
Auto 25-125-130
hydraulic line



Ref. 411002
Thorix evolution IC - 1 mixed
circuit + exterior sensor (integrated
underfloor flow safety aquastat)
Ref. 411003
Thorix EVOLUTION IC - 1 direct
circuit + mixed circuit + exterior
sensor (integrated underfloor flow
safety aquastat)

CIRCUIT CONTROL



Ref. 751009
Room sensor with display



Ref. 710029
DHW/pool/cascade
sensor



Ref. 710158
3-way valve flow sensor
for Z1



Ref. 770001
TH NCR/2 radio:
non-chrono-proportional
wireless room thermostat



Ref. 752202
Aquastat

CONNECTIVITY



Ref. 730078
Modbus kit - Thermodynamic
water heater/Heat pump



Ref. 770002
Thermo-Net Gateway

HYDRAULIC CIRCUITS



Ref. 710124
3/4" filter valve



Ref. 710125
1" filter valve



Ref. 710132
1 1/4" filter valve

Heat pump accessories

Product name	HTi	Item
External defrosting cable for HTi70.	✓	754101
2 core armoured cable, 20 m long, heat pump/control unit (replaces 10 m cable supplied as standard)	✓	753102
2 core armoured cable, 50 m long, heat pump/control unit (replaces 10 m cable supplied as standard)	✓	754103
40 m DN 25 coil hose for HTi70 6/8kW	HTi70 6/8kW	754207
40 m DN30 coil hose for HTi70 11/14kW	HTi70 11/14 kW	754208
4 DN25 tube connectors for HTi70 6/8kW	HTi70 6/8kW	754209
4 DN30 tube connectors for HTi70 11/14 kW	HTi70 11/14 kW	754210
High-capacity 1 1/4" filtration kit for HTi70 6/8kW	HTi70 6/8kW	711000
12 cm adjustable booster for HTi70	✓	754600
Adjustable tripod for Onix 40	HTi70 11/14 kW	741003

Control unit accessories

Product name	ORIUM	PREMIUM+	DS170 D	GAS HYBRID	Item
Room sensor with display additional 2% on SEER	✓	✓	✓	✓	751009
TH RNC/2 radio: non-chrono-proportional wireless room thermostat* extra 2% on SEER	✓	✓	✓	✓	770001
DHW/pool/cascade sensor	✓	✓	Integrated	✓	710029
Aquastat	-	-	-	-	752202
Domestic hot water tanks	✓	✓	-	✓	
65 °C manual reset underfloor heating temperature limiter with beam	✓	✓	✓	✓	710111
Modbus kit - Thermodynamic water heater/Heat pump	✓	✓	✓	✓	730078
2nd circuit identical temperature kit for Premium+.	-	✓	-	-	753105
1 1/4" high-capacity filtration kit	✓	✓	✓	✓	711000
"1" F/F check valve(required for domestic boiler back-up only)	-	✓	-	-	710118
Thorix EVOLUTION IC - 1 mixed circuit + exterior sensor 2nd circuit at a lower temperature	✓	✓	✓	✓	411002
Thorix EVOLUTION - 2C - 1 direct circuit + 1 mixed circuit + exterior sensor - 2nd circuit at a lower temperature	✓	✓	✓	✓	411003
KD 10 - Shutoff kit	✓	✓	✓	✓	710014
Flue connection pack	-	-	-	✓	(not included)

* Compatible with all non-chrono-proportional connectable thermostats on the market.

Hydraulic accessories

Product name	Item
3/4" filter valve	710124
1" filter valve	710125
1 1/4" filter valve	710132

HEAT PUMP AND CONTROL UNIT FEATURES



HEAT PUMP features



Heat pump		HTi ⁷⁰ 6 single-phase	HTi ⁷⁰ 8 single-phase	HTi ⁷⁰ 8 three-phase	HTi ⁷⁰ 11 single-phase	HTi ⁷⁰ 11 three-phase	HTi ⁷⁰ 14 single-phase	HTi ⁷⁰ 14 three-phase
Seasonal performance coefficient energy class 35 °C/55 °C		A+++ / A++	A+++ / A+++	A+++ / A+++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal performance coefficient 35 °C/55 °C		4,75 / 3,41	4,83 / 3,93	4,83 / 3,83	4,72 / 3,67	4,71 / 3,67	4,44 / 3,64	4,44 / 3,64
Seasonal energy efficiency 35 °C/55 °C - SEER (η _s)	%	187% / 133%	190% / 154%	190% / 154%	186% / 144%	185% / 144%	175% / 143%	175% / 143%
Maximum heat output at -7 °C/35 °C	kW	6	8	8	11	11	14	14
Maximum heat output at -7 °C/65 °C	kW	5,5	6,85	6,85	11	11	13	13
Nominal heat output at +7 °C/35 °C (EN14511)	kW	4,06	5,72	5,89	8,95	8,95	10,76	10,76
Performance coefficient at +7 °C/35 °C (EN14511)	-	4,59	4,85	4,71	4,85	4,85	4,64	4,64
Nominal sound pressure level (5 m, directionality 4)	dB(A)	36,8	37,5	37,5	36,3	36,3	39,4	39,4
Power level (ERP +7 °C/55 °C)	dB(A)	55,8	57,6	57,6	51,2	51,2	58,4	58,4
Outside air range	°C	-20 to +40	-20 to +40	-20 to +40	-20 to +40	-20 to +40	-20 to +40	-20 to +40
Power supply	V	230 single-phase	230 single-phase	400 three-phase	230 single-phase	400 three-phase	230 single-phase	400 three-phase
Protective circuit breaker	A	16 single-phase	16 single-phase	10 four-pole	32 single-phase	16 four-pole	32 single-phase	16 four-pole
Circuit breaker curve	-	D	D	D	D	D	D	D
Maximum electrical power	kVA	3,6	3,6	3,6	7	7	7	7
Minimum cross-section of power cable	mm ²	3G 2.5	3G 2.5	5G 2.5	3G 6	5G 2.5	3G 6	5G 2.5
Dimensions (H x W x D)	mm	820 x 1035 x 450	1070 x 1035 x 450	1070 x 1035 x 450	1028 x 1235 x 490	1028 x 1235 x 490	1028 x 1235 x 490	1028 x 1235 x 490
Empty weight	kg	81	94	108	136	146	142	150
Nominal water flow rate	L/h	1000	1350	1350	1550	1550	2000	2000
Refrigerant	kg	0,42	0,6	0,6	0,9	0,9	0,95	0,95
Hydraulic connection	mm	26/34 male	26/34 male	26/34 male	26/34 male	26/34 male	26/34 male	26/34 male

ORIAM features



Control unit	ORIAM	
Minimum cross-section of power cable	mm ²	3G 6 (single-phase) / 5G 2.5 (three-phase)
Power protection circuit breaker	A	32 (single-phase) / 16 (four-pole)
Circuit breaker curve	-	C
Power supply	V	230 (single-phase) / 400 (three-phase)
Multi-purpose cylinder	L	-
Unit dimensions (H x W x D) / Unit empty weight	mm / kg	496 x 400 x 305 / 18
Hydraulic connections	mm	26/34 male
Boiler connection	-	✗
Electric connection (standard)	kW	0/2/4/6kW
Circuit separation	-	✓

Part number 754602

Cooling kit*:

- Back panel
- Upward output
- Condensate recovery tank
- Exhaust pipe



* Optional cooling mode

PREMIUM+ features



Control unit	PREMIUM+	
Minimum cross-section of power cable	mm ²	3G 6 (single-phase) / 5G 2.5 (three-phase)
Power protection circuit breaker	A	32 (single-phase) / 16 (four-pole)
Circuit breaker curve	-	C
Power supply	V	230 (single-phase) / 400 (three-phase)
Multi-purpose cylinder	L	38 (integrated in the control unit)
Unit dimensions (H x W x D) / Unit empty weight	mm / kg	789 x 590 x 420 / 47
Hydraulic connections	mm	26/34 male
Boiler connection	-	✓
Electric connection (standard)	kW	0/2/4/6kW (single-phase or three-phase)
Circuit separation	-	✓

DS170 D features



Control unit	DS170 D	
Minimum cross-section of power cable	mm ²	3G 6 (single-phase) / 5G 2.5 (three-phase)
Power protection circuit breaker	A	32 (single-phase) / 16 (four-pole)
Circuit breaker curve	-	C
Power supply	V	230 (single-phase) / 400 (three-phase)
Multi-purpose cylinder	L	40 (only applies to HTi ⁷⁰ 11 and 14)
Unit dimensions (H x W x D) / Unit empty weight	mm / kg	1725 x 571 x 542 / 80
Hydraulic connections	mm	20/27 male
Boiler connection	-	✗
Electric connection (standard)	kW	0/2/4/6kW (single-phase or three-phase)
Circuit separation	-	✓

GAS HYBRID features



Control unit	GAS HYBRID	
Minimum cross-section of unit power cable	mm ²	3G 1.5 (single-phase)
Minimum cross-section of boiler power cable	mm ²	3G 1.5 (single-phase)
Unit power protection circuit breaker	A	2 (single-phase)
Unit circuit breaker curve	-	C
Boiler power protection circuit breaker	A	10 (single-phase)
Boiler circuit breaker curve	-	C
Power supply	V	230 (single-phase)
Interior unit dimensions (H x W x D)	mm	1063 x 400 x 333
Empty weight of unit/boiler	kg	17,2 / 32,5
Hydraulic connections	mm	26/34 male
Boiler connection	-	✓
Circuit separation	-	✓
Back-up	-	Natural gas/Propane/Biomethane
Gas connection	-	3/4" male
Flue connection	mm	60 / 100



OUR BUSINESS SERVICES



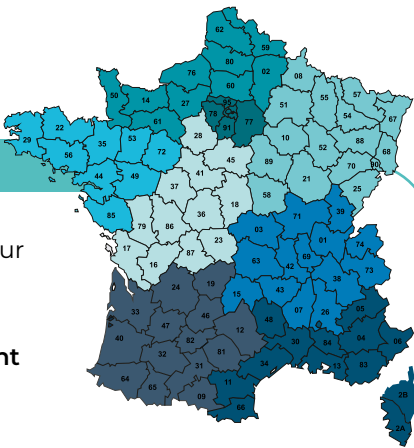
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(Price of a local call)

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Contact them on
09 78 45 10 26



Guarantees ⁽¹⁾

	CASE 1	CASE 2	CASE 3
Person responsible for sending supporting documents			
Documents to be sent	Fitter	Fitter	Approved Technical Station
Warranty certificate	x	x	x
Commissioning form		x	x
Photos of the system		x	x
USB operating file ⁽²⁾		x	x
Parts concerned	Warranty period		
DHW tank ⁽³⁾	3 years	3 years	5 years
Compressor	2 years	5 years	5 years
Electrical equipment, regulation	2 years	2 years	5 years
Labour	-	-	1 year

SMART PRODUCTS/THERMOSTATS DETACHED HOUSE

Radio-controlled room temperature

TH NCR: Non-chrono-proportional thermostat:

- . Regulates the temperature of a heated area, remotely in the room.
- . Radio communication with a receiver, wireless installation.
- . Programmable hourly and weekly temperature settings.

Thermo-Net Gateway:

- . Communication gateway for remote temperature control via a Wi-Fi router.
- . Manage your smart home equipment with your smartphone, tablet, or by voice control.
- . X3D and ZigBee 3.0 communication protocol for multiple compatibility.
- . Download the free Tydom app.
- . Also allows you to manage other actions in the home (lights, locks, smart plugs, etc.).

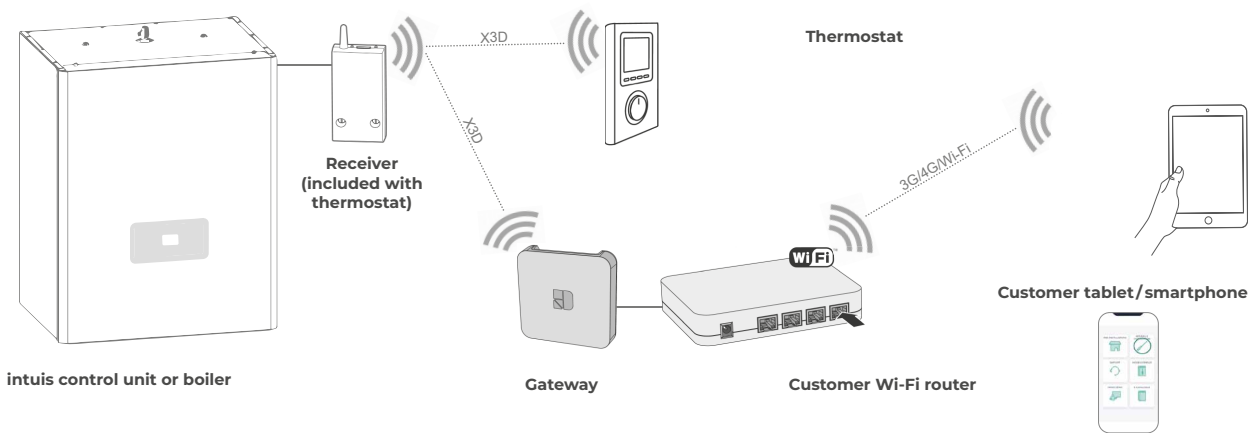


Ref. 770001
Thermostat (supplied with receiver)



Ref. 770002
Gateway

Solutions diagram



Thermostat accessories

Product name	Ref.
TH NCR/2 radio - Wireless non-chrono-proportional room thermostat & receiver (1 per circuit)	770001
Thermo-Net - Communication gateway (only compatible with part number 770001)	770002

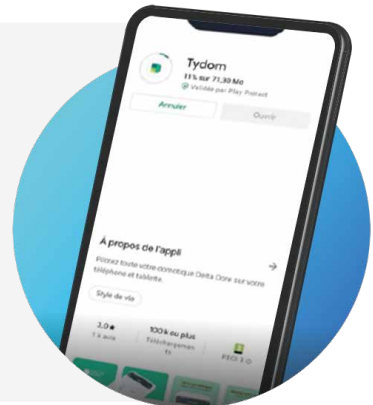
download the Tydom app for free

Available on Google play and the App Store



System setup:

- Professional installation
- End-user activation



(1) For mainland France only (2) Optional (3) When combined with DS170 D driver.



MORE COMFORT, LESS ENERGY.

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