

HITACHI

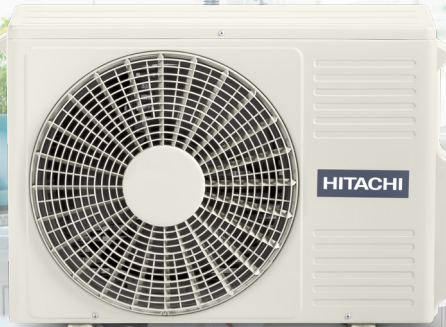
# Yutampo R32

Heat Pump Water Heater for Residential Housing



The simplest & most economical way to produce domestic hot water

Cooling & Heating



# DHW solution for residential housing



## Yutampo R32 Heat pump water heater

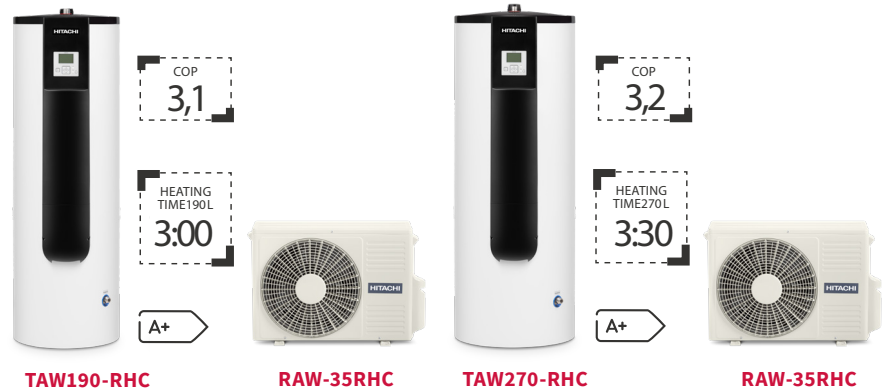
Exclusive  
on the  
market

### What is new Yutampo R32?

Yutampo is a split heat pump water heater for the production of domestic hot water in **new** or **refurbishment residential applications**.

Yutampo R32 system is composed of **a floor-standing indoor unit (tank)** and **an outdoor unit**. Able to produce water up to 55°C (75°C with electric heater), Yutampo ensures **a high level of comfort** thanks to several functions of its LCD controller.

The new **Yutampo R32** meets the new F-gas regulation stipulating the reduction of CO2 emissions. Due to its low GWP (Global Warming Potential) and reduced charge volume, the R32 refrigerant used in Yutampo system allows to **minimize its environmental impact** while maintaining **higher performance** and **lower energy consumption**.



### What are key benefits?

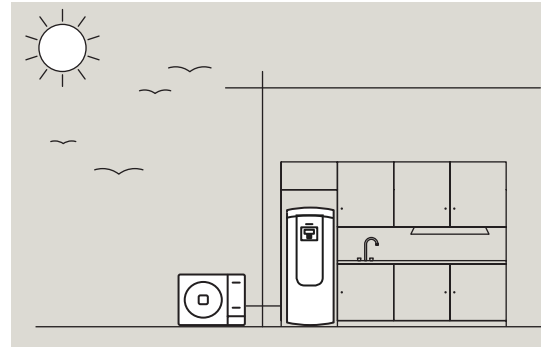
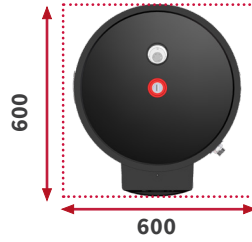
- **Eco-friendly product in line with F-gas regulation**  
The first R32 heat pump water heater on the market **fully compliant with EN378**
- **High efficiency**  
Production of domestic hot water due to **renewable energy**. **Low consumption & best-in-class performances** with the **Inverter compressor**
- **Reliability**  
High quality of the tank due to **DUPLEX stainless steel** material ensuring a high level of corrosion resistance, **reinforced insulation** around the tank and an extended lifespan with **active anode protection**
- **Controls**  
Relevant functions directly available on **LCD controller** that **facilitates installer's work**: heat pump details with operational data, dedicated commissioning menu, optional functions, etc. Additional functions dedicated to **end-users' comfort**: weekly timer, DHW modes, anti legionella, night mode, etc.
- **Connectivity**  
Save time, money, limit downtime and increase customer satisfaction with Hitachi remote maintenance **HiKumo Pro**. Allow customers to take control of Yutampo from everywhere with **HiKumo App**

 **HiKumo App for easy remote control**

 **HiKumo PRO for easy remote maintenance**



# Yutampo R32 Installation



## Easy & flexible installation

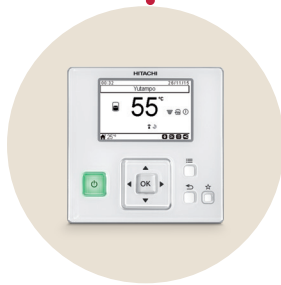
Thanks to its small footprint, **Yutampo R32** can be easily installed in a standard cupboard (**600 x 600 mm**). Flexibility of installation is ensured with a maximum **refrigerant pipings' length up to 20m**.



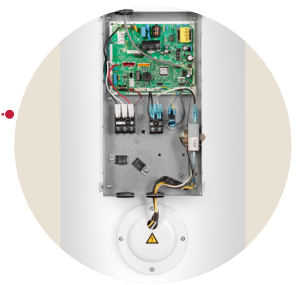
**Active anode (option) connection**  
 • Reinforced tank protection



**Water outlet connection**



**LCD controller**  
 • Clear text  
 • Multilingual



**EBOX & electric heater**  
 • 1,64 kW



**Front panel**  
 • New shape  
 • Divided in 2 parts



**Water inlet connection**

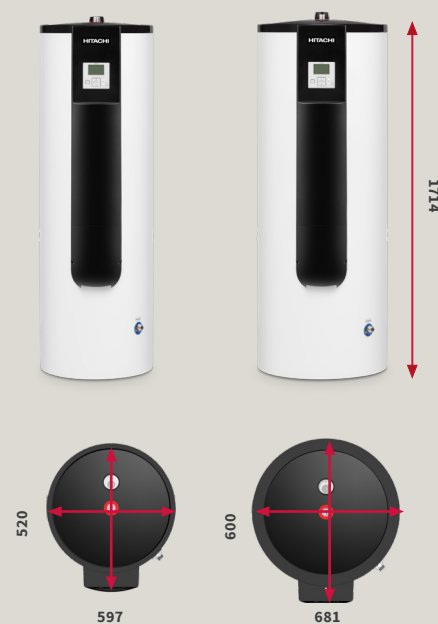
**Refrigerant connections**  
 • Hidden connections

# Yutampo R32

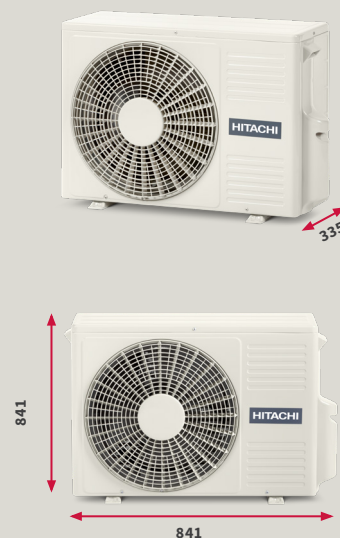
## Technical features



| INDOOR UNIT (TANK)  | UNIT            | TAW-190RHC             | TAW-270RHC       |
|---|-----------------|------------------------|------------------|
| Power supply  | -               | 1~ 230V 50Hz           |                  |
| Sound power level   | dB(A)           |                        |                  |
| Temperature setting range                                 | °C              | 30~75                  |                  |
| <b>DHW performances (certified according to EN 16147)</b> |                 |                        |                  |
| Declared load profile                                     | -               | L                      | XL               |
| COP <sub>DHW</sub>  | -               | 3,1                    | 3,2              |
| Heat up time  | h:mm            | 3:00                   | 3:30             |
| Maximum volume of usable hot water (V <sub>max</sub> )    | L               |                        |                  |
| Standby power (P <sub>es</sub> )                          | W               |                        |                  |
| Reference hot water temperature (Θ <sub>wh</sub> )        | °C              |                        |                  |
| <b>Refrigerant data</b>                                   |                 |                        |                  |
| Refrigerant piping diameter (Liquid / Gas)                | inch            | 6.35 / 9.52            | 6.35 / 9.52      |
| <b>Electrical data</b>                                    |                 |                        |                  |
| Cable section (Power)                                     | mm <sup>2</sup> |                        | 1.5              |
| Electric heater capacity                                  | kW              |                        | 1.5              |
| Recommended fuse for Electric heater                      | A               |                        | 10               |
| Power cable of Electric heater                            |                 |                        | 2 + Earth        |
| Connection wires between Tank & ODU                       |                 |                        | 3                |
| <b>Dimensions &amp; Weight</b>                            |                 |                        |                  |
| Ø x H x D   | mm              | 520 x 1714 x 597       | 600 x 1714 x 681 |
| Net weight  | kg              | 53                     | 62               |
| <b>Other information</b>                                  |                 |                        |                  |
| Tank material   | -               | DUPLEX Stainless steel |                  |
| IP protection   |                 | X1B                    |                  |



| OUTDOOR UNIT                               | UNIT            | RAW-35RHC        |
|--|-----------------|------------------|
| Power supply                               | -               | 1~ 230V 50Hz     |
| Outdoor air temperature working range      | °C              | -15~37           |
| Capacity                                   | kW              | 3.5              |
| Sound power                                | dB(A)           |                  |
| IP protection                              | IP              | 24               |
| Compressor type                            | -               | Rotary           |
| <b>ErP data (Average climate)</b>          |                 |                  |
| Energy efficiency η <sub>wh</sub>          | %               |                  |
| Energy efficiency class                    | -               |                  |
| Annual electricity consumption             | kWh             |                  |
| <b>Refrigerant data</b>                    |                 |                  |
| Refrigerant (GWP)                          | -               | R32 (675)        |
| Refrigerant charge                         | kg              | 1                |
| Refrigerant piping diameter (Liquid / Gas) | inch            | ¼ - 3/8          |
| Minimum piping length                      | m               | 5                |
| Maximum piping length / height difference  | m               | 20 / 10          |
| <b>Electrical data</b>                     |                 |                  |
| Cable section (Power)                      | mm <sup>2</sup> | 1.5 x 2 + Earth  |
| Cable section (Interconnection)            | mm <sup>2</sup> | 0.75 x 3 + Earth |
| Recommended fuse                           | A               | 15               |
| <b>Dimensions &amp; Weight</b>             |                 |                  |
| W x H x D                                  | mm              | 841 x 548 x 335  |
| Net weight                                 | kg              |                  |



# Yutampo R32 Controls & accessories

## Controls



### HiKumo solution

Control Yutampo R32 from your smartphone with **HiKumo App** and enjoy maintenance services with **HiKumo PRO** platform



**ATW-TAG-02**  
Gateway

**AHP-SMB-01**  
Hi-Box



### Modbus solution

Connect your Yutampo R32 to BMS via **Modbus**



**ATW-MBS-02** Gateway



### KNX solution

Connect your Yutampo R32 to BMS via **KNX**



**ATW-KNX-02** Gateway



## Other accessories



### Active anode **ATW-CP-05**

- Reinforce protection of the tank with a cathodic protector
- No maintenance required



### Optional function connector **ATW-OFC-02**

- Inputs & Outputs functions signal
- Opportunity to configure 3 inputs and 4 outputs according to customer's needs (Smart action, DHW boost, Smart Grid, recirculation etc)



---

## Johnson Controls Hitachi Air Conditioning Europe S.A.S.

### EUROPEAN PRODUCT DEVELOPMENT DEPARTMENT

2, Rue de Lombardie, Parc Aktiland II  
69800 Saint Priest  
FRANCE  
Tel: +33-4-3742-0002

[hitachiaircon.com](http://hitachiaircon.com)



The specifications of this catalog may change without prior notice to allow Hitachi Cooling & Heating to incorporate the latest innovations for its customers. The information contained in this catalog is merely informative. Hitachi Cooling & Heating declines any responsibility in the broadest sense, for damage, direct or indirect, arising from the use and / or interpretation of the recommendations in this catalog

**Find the products Hitachi Cooling & Heating with the best service and conditions at your Hitachi Distributor.**