

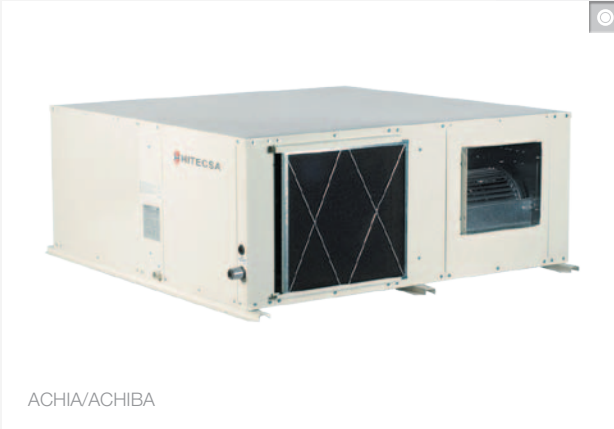
SELF-CONTAINED  
AIR-TO-AIR UNITS  
COMPACT/SPLIT HORIZONTAL INVERTER



**ACHIA**  
Cooling only  
**ACHIBA**  
Heat pump  
COMPACT configuration

**ECHIA/CCHIA**  
Cooling only  
**ECHIBA/CCHIBA**  
Heat pump  
SPLIT configuration

*Inverter High Energy  
Efficiency at the service of  
energy rehabilitation in the  
commercial sector*



This range of units are self-contained horizontal units suitable for connection to both indoor and outdoor sections of a network of air distribution ducts.

Designed to be installed inside the building to be air-conditioned, they are characterised by offering great flexibility in the installation.

**MAIN FEATURES**

- Variable airflow for the outdoor fan
- Three air speeds in the Indoor Fan
- Cooling capacities ranging from 4 to 29 kW

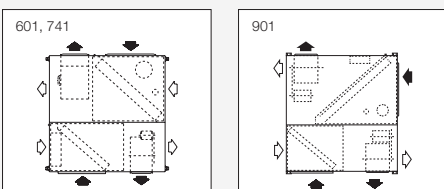
- EER/COP coefficient ranging from 3.2 in nominal temperature conditions
- Scroll compressors with soft-start
- R410A refrigerant
- Can be combined with the RCAF range of heat recovery units of high energy efficiency and filters up to F Class.
- DC inverter technology: maximum savings and comfort
- Low sound level
- High performance in heat pump for low outdoor temperatures as low as -15°C

- Operating limit in cooling mode with outdoor temperature of 48°C
- Soft-start of the indoor and/or outdoor fan
- Oil separator (only for split units)
- ON/OFF remote
- Remote cooling/heating
- Scheduling function and Modbus connection
- Controls supplied as standard TH Tune

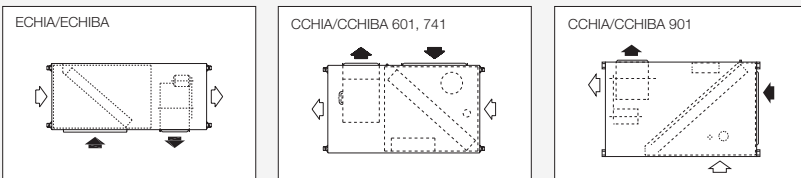
**POSSIBLE AIR SUPPLY / RETURN CONFIGURATIONS**

▶ standard ◀ optional

**ACHIA/ACHIBA**



**ECHIA/CCHIA - ECHIBA/CCHIBA**



**ACHIA-ACHIBA** TECHNICAL SPECIFICATIONS

| MODEL                                |                        | 601           | 741           | 901           |
|--------------------------------------|------------------------|---------------|---------------|---------------|
| Maximum cooling capacity (120 Hz)    | kW                     | 17.3          | 22.4          | 28.9          |
| Maximum cooling capacity (120 Hz)    | R.T.                   | 4.9           | 6.4           | 8.2           |
| Maximum heating capacity (120 Hz)    | kW                     | 18.6          | 24.2          | 28.9          |
| Nominal cooling capacity (80 Hz)     | kW                     | 12.9          | 16.6          | 20.6          |
| Nominal cooling capacity (80 Hz)     | R.T.                   | 3.7           | 4.7           | 5.9           |
| Nominal heating capacity (80 Hz)     | kW                     | 13.0          | 15.7          | 20.4          |
| Maximum EER coefficient              | kW/kW                  | 3.16          | 2.95          | 2.90          |
| Maximum COP coefficient              | kW/kW                  | 3.21          | 3.03          | 2.93          |
| Power supply (50 Hz ~)               | V                      | 400.3+N       | 400.3+N       | 400.3+N       |
| Nominal indoor airflow in cooling    | m <sup>3</sup> /h      | 2300          | 3000          | 3700          |
| Nominal indoor airflow in heating    | m <sup>3</sup> /h      | 2800          | 3600          | 4400          |
| Max. int. airflow – static pressure  | m <sup>3</sup> /h – Pa | 3600 – 70     | 4600 – 80     | 5600 – 90     |
| Max out. airflow – static pressure   | m <sup>3</sup> /h – Pa | 5600 – 50     | 6200 – 50     | 7,500 – 50    |
| Dimensions (length x width x height) | mm                     | 1755x1697x640 | 1755x1697x640 | 1998x1755x672 |
| Net weight                           | Kg                     | 375           | 420           | 495           |

**OUTDOOR UNIT (CCHIA/CCHIBA)** TECHNICAL SPECIFICATIONS

| MODEL                                |                        | 601           | 741           | 901           |
|--------------------------------------|------------------------|---------------|---------------|---------------|
| Maximum cooling capacity (120 Hz)    | kW                     | 17.3          | 22.4          | 26.5          |
| Maximum cooling capacity (120 Hz)    | R.T.                   | 4.9           | 6.4           | 7.5           |
| Maximum cooling capacity (120 Hz)    | kW                     | 18.6          | 24.2          | 28.9          |
| Nominal cooling capacity (80 Hz)     | kW                     | 12.9          | 16.6          | 20.6          |
| Nominal cooling capacity (80 Hz)     | R.T.                   | 3.7           | 4.7           | 5.9           |
| Nominal cooling capacity (80 Hz)     | kW                     | 13.0          | 15.7          | 20.4          |
| Maximum EER coefficient              | kW/kW                  | 3.16          | 2.95          | 2.90          |
| Maximum COP coefficient              | kW/kW                  | 3.21          | 3.03          | 2.93          |
| Power supply (50 Hz ~)               | V                      | 400.3+N       | 400.3+N       | 400.3+N       |
| Cooling connect. Liquid line         | Ø (")                  | 1/2           | 5/8           | 5/8           |
| Cooling connect. Gas line            | Ø (")                  | 7/8           | 1 1/8         | 1 1/8         |
| Max out. airflow – static pressure   | m <sup>3</sup> /h – Pa | 5600 – 50     | 6200 – 50     | 7500 – 50     |
| Dimensions (length x width x height) | mm                     | 1755x1004x640 | 1755x1004x640 | 1750x1057x662 |
| Net weight                           | Kg                     | 240           | 295           | 312           |

**INDOOR UNIT (ECHIA/ECHIBA)** TECHNICAL SPECIFICATIONS

| MODEL                                |                        | 601          | 741          | 901          |
|--------------------------------------|------------------------|--------------|--------------|--------------|
| Maximum cooling capacity (120 Hz)    | kW                     | 17.3         | 22.4         | 28.9         |
| Maximum cooling capacity (120 Hz)    | R.T.                   | 4.9          | 6.4          | 8.2          |
| Maximum cooling capacity (120 Hz)    | kW                     | 18.6         | 24.2         | 28.9         |
| Nominal cooling capacity (80 Hz)     | kW                     | 12.9         | 16.6         | 20.6         |
| Nominal cooling capacity (80 Hz)     | R.T.                   | 170.9        | 210.7        | 256.2        |
| Nominal cooling capacity (80 Hz)     | kW                     | 13.0         | 15.7         | 20.4         |
| Maximum EER coefficient              | kW/kW                  | 3.16         | 2.95         | 2.90         |
| Maximum COP coefficient              | kW/kW                  | 3.21         | 3.03         | 2.93         |
| Power supply (50 Hz ~)               | V                      | 400.3+N      | 400.3+N      | 400.3+N      |
| Cooling connect. Liquid line         | Ø (")                  | 1/2          | 5/8          | 5/8          |
| Cooling connect. Gas line            | Ø (")                  | 7/8          | 1 1/8        | 1 1/8        |
| Nominal indoor airflow in cooling    | m <sup>3</sup> /h      | 2300         | 3000         | 3700         |
| Nominal indoor airflow in heating    | m <sup>3</sup> /h      | 2800         | 3600         | 4400         |
| Max. int. airflow – static pressure  | m <sup>3</sup> /h – Pa | 3600 – 70    | 4600 – 80    | 5500 – 90    |
| Dimensions (length x width x height) | mm                     | 1755x752x640 | 1755x752x640 | 1750x900x662 |
| Net weight                           | Kg                     | 145          | 150          | 180          |

**OPTIONS AVAILABLE****ENERGY SAVING**

Option of mixing module for semi-enthalpy free cooling with two dampers

**AIR QUALITY**

Gravimetric filter in return G4

Opacimetric filter in return class F6 to F9 (combinable with a G4 or Fx+Fy)

**SOUND LEVEL**

Double thermo-acoustic insulation

Compressor sound jacket

**UNIT INSTALLATION**

Option of manufacturing units with symmetric configuration

Outdoor installation kit

Upgraded motors

Anti-freeze heater for collection tray

Fireproof filter class M0

Hot water heating coils

Electrical heating as backup in defrosting

Anti-corrosion pre-treated coils

Prepared for disassembly

Quick-connect valves with preload of refrigerant gas (only for SPLIT configuration)

**MAINTENANCE**

Service valves

External Schrader valves for pressure

test (standard for the 901 model)

Clogged filter indication

Condenser filter

Split filter

**REGULATION AND CONTROL**

Alarm indication

Smoke detection

Separate electrical panel

Ambient temperature or wall mounted sensor

Discharge temperature sensor

Centralised integrated management operation

Operation without neutral

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Versions for other climates

Versions for other power supplies

**As well as these options consult our Commercial Department for any other configuration or function not described as available.**