



# TA

## Air handling unit

- Horizontal or vertical, configurations
- Available units with heat exchanger with 4-6 rows
- Version with 4 row expansion coil using R410A
- Version with extractor



#### DESCRIPTION

The air-conditioning units of the TA series are intended for civil, commercial and hotel systems in small to medium sized environments. They are distinguished by their compactness (a necessary requisite for false ceiling applications) and low noise. The wide range of accessories meets various system requirements.

#### **FEATURES**

#### Structure

Made of galvanised steel sandwich panels with polyurethane insulation (density 45 kg/m<sup>3</sup>), 15 mm thick. The intake and delivery panels are fitted with flanges for the connection to any possible air channels or accessories. The unit is supplied with specific brackets for attaching it to the wall.

#### **Air filtration**

Filtration of the air entrusted to class G4 filters in compliance with EN779 (thickness 50mm) as per standard positioned at intake.

#### **Ventilation group**

Fans double intake centrifugal with forward blades and directly coupled motor. The 230V-50Hz single-phase motor has many speeds, of which three can be selected via the control panel.

#### Heat exchanger coil

4 or 6 row coils, powered with hot or cold water and made of copper piping with aluminium louvered fins blocked by mechanical expansion of the pipes. The threaded sleeves for the hydraulic connections and the air bleeding valve are supplied. The coils can be rotated on site.

The possibility to rotate the coils on site is envisioned.

Also available are coils with 4 rows with direct expansion operating with R410A fluid and post-heating coils with 2 rows realised in copper piping with aluminium louvers blocked via mechanical expansion of the pipes.

#### Condensate drip

Condensate drip tray interior isolated in aluminium alloy.

#### ACCESSORIES

**AER503IR:** Flush-mounting thermostat with backlit display, capacitive keypad and infrared receiver, for controlling both brushless fan coils and those with an asynchronous motor. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices (Cold Plasma and germicidal lamp), with radiant plate or with FCZ-D twin delivery (Dualjet). In addition, it can control systems with radiant panels or mixed (fan coil and radiant floor) systems. Being equipped with an infrared receiver, it can, in turn, be controlled by the VMF-IR remote control. **SA5:** air probe kit (L = 15 m) with probe-locking cable grommet.

**SIT3:** Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel (selector or thermostat). Commands the 3 fan speeds and must be installed on each fan coil within the network; receives the commands from the selector or the SIT5 card. In case you decide to install Aermec thermostats and current absorbed by the unit exceeds 0.7 A, you're obliged to include SIT3 accessory.

**SW5:** water probe kit (L = 15m) with probe-holder connection point, fixing clip and probe-holder from heat exchanger.

**WMT10:** Electronic thermostat, white, with thermostated or continuous ventilation.

WMT16: Electronic thermostat with thermostated ventilation.

WMT16CV: Electronic thermostat with continuous ventilation.

**VCT:** These are 3-way ball valves made of bronze, with female/female connections  $\emptyset$  1/2". That can be servo-activated via servo commands. The valves do not have fittings and pipes for water connections, which are the installer's responsibility.

**VCT:** These are 3-way ball valves made of bronze, with female/female connections  $\emptyset$  1/2". That can be servo-activated via servo commands. The valves do not have fittings and pipes for water connections, which are the installer's responsibility.

**VCTK:** The VCT series valves can be combined with the actuators On-Off 230V. The actuator must be selected according to the type of system/adjustment provided.

VCTKM: The VCT series valves can be combined with the actuators 24V modulating. The actuator must be selected according to the type of system/ adjustment provided.

**M2S:** Galvanised steel mixing chamber with two dampers for air calibration. Louver pitch 50 mm, the galvanised steel adjustment knob (diameter 8 mm) can be motorised. M3S: Galvanised steel mixing chamber with three air calibration dampers and galvanised steel plates. Must necessarily be paired with the VRF accessory.

FTF: Soft bag filters. Section in galvanised steel sheet metal with F6 soft bag filters. Must necessarily be paired in the powered units.

B2R: Hot water coil with 2 rows for lines with 4 tubes. Positioned internally at the base of the equipment, downstream from the main coil.

PBE: Section with post heating coil composed of armoured heaters equipped with a double safety thermostat.

SSL: Module with seven galvanised steel sheet metal silencers and seven stone wool silencers covered by polyethylene film to prevent chipping.

S2Z: Galvanised steel opposed louvers dampers for mixing outside air with recirculating air.

VRF: Recovery fan unit equipped with electronic variable speed control. The unit is contained in a galvanised steel sheet metal section equipped with flat filters, efficiency level G4 (EN779).

SAS: Air calibration damper with galvanised sheet metal louvers to be positioned for intake. Louver pitch 50 mm; the galvanised steel adjustment knob can be motorised.

GMD: Air delivery grill with louvers that can be positioned for the delivery of air in the room to be treated. May be installed directly on the device by removing the flanges or installed on the wall.

GAP: Intake grille with louvers at a fixed 45° angle. May be installed directly on the device by removing the flanges or installed on the wall. FPI: ISO COARSE 50% filter flange for intake at base.

PMM: Plenum with circular multiple delivery, thickness 1.5 mm. The plenum is equipped with multi-diameter circular connections (200 mm, 180 mm, 150 mm) made of plastic to permit the connection of circular conduits.

PMC: Closed delivery plenum in 1.5 mm thick hot-dip galvanised sheet metal. The plenum allows for flow to be rotated by 90°. Opening the delivery outlet is the installer's responsibility.

### **ACCESSORIES COMPATIBILITY**

#### **Control panels**

| Ver              | 09  | 11   | 15  | 19   | 24   | 33  | 40  | 50  |
|------------------|---|--|---|--|--|---|---|---|
| H4,H6,HE,V4,V6,X | •   | •  | •   | •  | •  | •   | •   | •   |
| H4,H6,HE,V4,V6,X | •   | •  | •   | •  | •  | •   | •   | •   |
| H4,H6,HE,V4,V6,X | •   | •  | •   | •  | •  | •   | •   | •   |
| H4,H6,HE,V4,V6,X | •   | •  | •   | •  | •  | •   | •   | •   |
| H4,H6,HE,V4,V6,X | •   | •  | •   | •  | •  | •   | •   | •   |
| H4,H6,HE,V4,V6,X | •   | •  | •   | •  | •  | •   | •   | •   |
| H4,H6,HE,V4,V6,X | •   | •  | •   | •  |  |   | •   | •   |
|                  | Ver<br>H4,H6,HE,V4,V6,X<br>H4,H6,HE,V4,V6,X<br>H4,H6,HE,V4,V6,X<br>H4,H6,HE,V4,V6,X<br>H4,H6,HE,V4,V6,X<br>H4,H6,HE,V4,V6,X<br>H4,H6,HE,V4,V6,X | Ver     09       H4,H6,HE,V4,V6,X     -       H4,H6,HE,V4,V6,X     - | Ver     09     11       H4,H6,HE,V4,V6,X     •     •       H4,H6,HE,V4,V6,X     •     • | Ver     09     11     15       H4,H6,HE,V4,V6,X     ·     ·     ·       H4,H6,HE,V4,V6,X     ·     ·     · | Ver     09     11     15     19       H4,H6,HE,V4,V6,X     • | Ver     09     11     15     19     24       H4,H6,HE,V4,V6,X     • | Ver     09     11     15     19     24     33       H4,H6,HE,V4,V6,X     • <td>Ver     09     11     15     19     24     33     40       H4,H6,HE,V4,V6,X     ·</td> | Ver     09     11     15     19     24     33     40       H4,H6,HE,V4,V6,X     · |

(1) Wall-mount installation.

(2) Probe for AERS031R-TX thermostats, if fitted.
(3) Cards for AERS031R-TX thermostats, if present, to be installed if the unit absorption exceeds 0,7 Ampere.
(4) Wall-mounting. If the unit intake exceeds 0.7A, or several units need to be managed with a single thermostat, board SIT3 and/or SIT5 is required.

#### 2 way valve kit

| Ver  | 09                         | 11       | 15       | 19              | 24              | 33       | 40       | 50       |
|--|----------------------------|----------|----------|-----------------|-----------------|----------|----------|----------|
| H4,H6,V4,V6                                | VCT102                     | VCT102   | VCT202   | VCT202          | VCT202          | VCT402   | VCT402P  | VCT402P  |
| 3 wav valve kit                            |                            |          |          |                 |                 |          |          |          |
| Ver  | 09                         | 11       | 15       | 19              | 24              | 33       | 40       | 50       |
| H4,H6,V4,V6                                | VCT103                     | VCT103   | VCT203   | VCT403, VCT403P | VCT403, VCT403P | -        | -        | -        |
| The accessory cannot be fitted on the conf | figurations indicated with | -        |          | ÷               |                 |          |          |          |
| Actuator VCTK 230V                         |                            |          |          |                 |                 |          |          |          |
| Ver  | 09                         | 11       | 15       | 19              | 24              | 33       | 40       | 50       |
| H4,H6,V4,V6                                | VCTK                       | VCTK     | VCTK     | VCTK            | VCTK            | VCTK     | VCTK     | VCTK     |
| Actuator 24V                               |                            |          |          |                 |                 |          |          |          |
| Ver  | 09                         | 11       | 15       | 19              | 24              | 33       | 40       | 50       |
| H4,H6,V4,V6                                | VCTKM                      | VCTKM    | VCTKM    | VCTKM           | VCTKM           | VCTKM    | VCTKM    | VCTKM    |
| 2-damper mixing chamber                    |                            |          |          |                 |                 |          |          |          |
| Ver  | 09                         | 11       | 15       | 19              | 24              | 33       | 40       | 50       |
| H4,H6,HE,V4,V6,X                           | M2S1                       | M2S1     | M2S2     | M2S3            | M2S4            | M2S4     | M2S5     | M2S5     |
| 3-damper mixing chamber                    |                            |          |          |                 |                 |          |          |          |
| Ver  | 09                         | 11       | 15       | 19              | 24              | 33       | 40       | 50       |
| H4,H6,HE,V4,V6,X                           | M3S1 (1)                   | M3S1 (1) | M3S2 (1) | M3S3 (1)        | M3S4 (1)        | M3S4 (1) | M3S5 (1) | M3S5 (1) |
| (1) It must necessarily be combined with   | the VRF accessory.         |          |          |                 |                 |          |          |          |
| Closed delivery plenum                     |                            |          |          |                 |                 |          |          |          |
| Ver  | 09                         | 11       | 15       | 19              | 24              | 33       | 40       | 50       |
| H4,H6,HE,V4,V6,X                           | PMC1                       | PMC1     | PMC2     | PMC3            | PMC4            | PMC4     | PMC5     | PMC5     |
| Soft bag filter section                    |                            |          |          |                 |                 |          |          |          |
| Ver  | 09                         | 11       | 15       | 19              | 24              | 33       | 40       | 50       |
| H4,H6,HE,V4,V6,X                           | FTF1 (1)                   | FTF1 (1) | FTF2 (1) | FTF3 (1)        | FTF4 (1)        | FTF4 (1) | FTF5 (1) | FTF5 (1) |
| (1) It must necessarily be combined in the | e enhanced units.          |          |          |                 |                 |          |          |          |
| 2-row coil                                 |                            |          |          |                 |                 |          |          |          |
| Ver  | 09                         | 11       | 15       | 19              | 24              | 33       | 40       | 50       |
| H4,H6,HE,V4,V6,X                           | B2R1                       | B2R1     | B2R2     | B2R3            | B2R4            | B2R4     | B2R5     | B2R5     |
| РММ  |                            |          |          |                 |                 |          |          |          |
| Ver  | 09                         | 11       | 15       | 19              | 24              | 33       | 40       | 50       |
| H4,H6,HE,V4,V6,X                           | PMM1                       | PMM1     | PMM2     | PMM3            | PMM4            | PMM4     | PMM5     | PMM5     |

| ISO COARSE 50% filter flange for intake at base. |  |
|--|--|
|--|--|

| Ver                           | 09               | 11   | 15   | 19   | 24   | 33   | 40   | 50   |
|-------------------------------|------------------|------|------|------|------|------|------|------|
| H4,H6,HE,V4,V6,X              | FPI1             | FPI1 | FPI2 | FPI3 | FPI4 | FP14 | FPI5 | FPI5 |
| Section with post-heating c   | oil              |      |      |      |      |      |      |      |
| Ver                           | 09               | 11   | 15   | 19   | 24   | 33   | 40   | 50   |
| H4,H6,HE,V4,V6,X              | PBE1             | PBE2 | PBE3 | PBE4 | PBE5 | PBE6 | PBE7 | PBE8 |
| Silencer baffles module       |                  |      |      |      |      |      |      |      |
| Ver                           | 09               | 11   | 15   | 19   | 24   | 33   | 40   | 50   |
| H4,H6,HE,V4,V6,X              | SSL1             | SSL1 | SSL2 | SSL3 | SSL4 | SSL4 | SSL5 | SSL5 |
| 2 zone damper                 |                  |      |      |      |      |      |      |      |
| Ver                           | 09               | 11   | 15   | 19   | 24   | 33   | 40   | 50   |
| H4,H6,HE,V4,V6,X              | S2Z1             | S2Z1 | S2Z2 | S2Z3 | S2Z4 | S2Z4 | S2Z5 | S2Z5 |
| Return ventilating section v  | with a G4 filter |      |      |      |      |      |      |      |
| Ver                           | 09               | 11   | 15   | 19   | 24   | 33   | 40   | 50   |
| H4,H6,HE,V4,V6,X              | VRF1             | VRF2 | VRF3 | VRF4 | VRF5 | VRF6 | VRF7 | VRF8 |
| Suction damper                |                  |      |      |      |      |      |      |      |
| Ver                           | 09               | 11   | 15   | 19   | 24   | 33   | 40   | 50   |
| H4,H6,HE,V4,V6,X              | SAS1             | SAS1 | SAS2 | SAS3 | SAS3 | SAS3 | SAS5 | SAS5 |
| Outlet grille with adjustable | e louvers        |      |      |      |      |      |      |      |
| Ver                           | 09               | 11   | 15   | 19   | 24   | 33   | 40   | 50   |
| H4,H6,HE,V4,V6,X              | GMD1             | GMD1 | GMD2 | GMD3 | GMD4 | GMD4 | GMD5 | GMD5 |
| Intake grids                  |                  |      |      |      |      |      |      |      |
| Ver                           | 09               | 11   | 15   | 19   | 24   | 33   | 40   | 50   |
| H4,H6,HE,V4,V6,X              | GAP1             | GAP1 | GAP2 | GAP3 | GAP4 | GAP4 | GAP5 | GAP5 |

# **4-ROW COIL UNIT PERFORMANCE DATA** Units designed to operate with all recirculating air or maximum 10% of external air.

| Ve | rsi | on | S | H/ | v |
|----|-----|----|---|----|---|
|    |     |    |   | ,  |   |

|  |                 | TA09H4 | TA09V4 | TA11H4 | TA11V4 | TA15H4 | TA15V4 | TA19H4 | TA19V4 | TA24H4              | TA24V4 | TA33H4 | TA33V4 | TA40H4 | TA40V4 | TA50H4 | TA50V4 |
|--|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------|--------|--------|--------|--------|--------|--------|--------|
| Cooling performances 7 °C / 12 °C - 2 pip    | e system (1)    |        |        |        |        |        |        |        |        |                     |        |        |        |        |        |        |        |
| Cooling capacity                             | kW              | 4,20   | 4,20   | 5,70   | 5,70   | 8,70   | 8,70   | 12,40  | 12,40  | 17,30               | 17,30  | 21,70  | 21,70  | 27,20  | 27,20  | 33,50  | 33,50  |
| Sensible cooling capacity                    | kW              | 3,50   | 3,50   | 4,20   | 4,20   | 6,20   | 6,20   | 8,30   | 8,30   | 11,20               | 11,20  | 14,30  | 14,30  | 18,00  | 18,00  | 20,90  | 20,90  |
| Water flow rate                              | l/h             | 722    | 722    | 980    | 980    | 1496   | 1496   | 2132   | 2132   | 2975                | 2975   | 3732   | 3732   | 4678   | 4678   | 5761   | 5761   |
| Pressure drop                                | kPa             | 6      | 6      | 6      | 6      | 7      | 7      | 12     | 12     | 16                  | 16     | 23     | 23     | 11     | 11     | 31     | 31     |
| Heating performance 70 °C / 60 °C - 2 pi     | pe system       |        |        |        |        |        |        |        |        |                     |        |        |        |        |        |        |        |
| Heating capacity                             | kW              | 10,40  | 10,40  | 13,30  | 13,30  | 19,10  | 19,10  | 24,70  | 24,70  | 34,10               | 34,10  | 41,90  | 41,90  | 52,80  | 52,80  | 58,30  | 58,30  |
| Water flow rate                              | l/h             | 894    | 894    | 1139   | 1139   | 1642   | 1642   | 2124   | 2124   | 2932                | 2932   | 3603   | 3603   | 4538   | 4538   | 5013   | 5013   |
| Pressure drop                                | kPa             | 5      | 5      | 8      | 8      | 7      | 7      | 10     | 10     | 13                  | 13     | 19     | 19     | 10     | 10     | 22     | 22     |
| 2-rows-heating coil with hot water - (ad     | cessory) (2)    |        |        |        |        |        |        |        |        |                     |        |        |        |        |        |        |        |
| Heating capacity                             | kW              | 3,90   | 3,90   | 8,50   | 8,50   | 12,70  | 12,70  | 16,00  | 16,00  | 21,70               | 21,70  | 26,70  | 26,70  | 34,80  | 34,80  | 40,00  | 40,00  |
| Water flow rate                              | l/h             | 333    | 333    | 731    | 731    | 1092   | 1092   | 1371   | 1371   | 1866                | 1866   | 2291   | 2291   | 2988   | 2988   | 3439   | 3439   |
| Pressure drop                                | kPa             | 8      | 8      | 11     | 11     | 13     | 13     | 14     | 14     | 18                  | 18     | 26     | 26     | 18     | 18     | 23     | 23     |
| Electric heating coil - (accessory)          |                 |        |        |        |        |        |        |        |        |                     |        |        |        |        |        |        |        |
| Heating capacity                             | kW              | 4,00   | 4,00   | 6,00   | 6,00   | 8,00   | 8,00   | 10,00  | 10,00  | 12,00               | 12,00  | 16,00  | 16,00  | 20,00  | 20,00  | 24,00  | 24,00  |
| Stages                                       | no.             | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2                   | 2      | 2      | 2      | 2      | 2      | 2      | 2      |
| Power supply                                 |                 |        |        |        |        |        |        |        | 400V~  | <sup>,</sup> 3 50Hz |        |        |        |        |        |        |        |
| Fan  |                 |        |        |        |        |        |        |        |        |                     |        |        |        |        |        |        |        |
| Туре   | type            |        |        |        |        |        |        |        | Centr  | ifugal              |        |        |        |        |        |        |        |
| Number                                       | no.             | 1      | 1      | 2      | 2      | 2      | 2      | 1      | 1      | 1                   | 1      | 2      | 2      | 2      | 2      | 2      | 2      |
| Air flow rate                                | m³/h            | 800    | 800    | 1100   | 1100   | 1500   | 1500   | 1900   | 1900   | 2400                | 2400   | 3300   | 3300   | 4000   | 4000   | 5000   | 5000   |
| High static pressure                         | Pa              | 145    | 145    | 290    | 290    | 176    | 176    | 240    | 240    | 211                 | 211    | 245    | 245    | 248    | 248    | 153    | 153    |
| Input power                                  | kW              | 0.     | 25     | 0.     | 31     | 0.     | 38     | 0.     | 61     | 0.                  | 83     | 0.     | 81     | 0.     | 98     | 1.     | 28     |
| Air filter                                   |                 |        |        |        |        |        |        |        |        |                     |        |        |        |        |        |        |        |
| Туре   | type            |        |        |        |        |        |        |        | G4     | / F6                |        |        |        |        |        |        |        |
| Sound data                                   |                 |        |        |        |        |        |        |        |        |                     |        |        |        |        |        |        |        |
| Sound power level                            | dB(A)           | 62,0   | 62,0   | 66,0   | 66,0   | 67,0   | 67,0   | 72,0   | 72,0   | 74,0                | 74,0   | 75,0   | 75,0   | 76,0   | 76,0   | 79,0   | 79,0   |
| Power supply                                 |                 |        |        |        |        |        |        |        |        |                     |        |        |        |        |        |        |        |
| Power supply                                 |                 |        |        |        |        |        |        |        | 230V-  | ~50Hz               |        |        |        |        |        |        |        |
| (1) Room air 27 °C h s 47%    R · Water (in/ | out) 7 °C/12 °C |        |        |        |        |        |        |        |        |                     |        |        |        |        |        |        |        |

(1) Room air 27 °C b.s.47% U.R.; Water (in/out) 7 °C/12 °C
(2) Water temperature (in/out) 70°C / 60°C.

#### **6-ROW COIL UNIT PERFORMANCE DATA**

Versions H/V

|   | TA09H6   | TA09V6 | TA11H6 | TA11V6 | TA15H6 | TA15V6 | TA19H6 | TA19V6 | TA24H6 | TA24V6 | TA33H6 | TA33V6 | TA40H6 | TA40V6 | TA50H6 | TA50V6 |
|---|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Cooling performances 7 °C / 12 °C - 2 pipe sy | stem (1) |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cooling capacity kW                           | 5,10     | 5,10   | 6,70   | 6,70   | 11,70  | 11,70  | 15,50  | 15,50  | 20,60  | 20,60  | 26,30  | 26,30  | 33,50  | 33,50  | 39,60  | 39,60  |
| Sensible cooling capacity kW                  | 3,40     | 3,40   | 4,70   | 4,70   | 7,50   | 7,50   | 9,80   | 9,80   | 12,80  | 12,80  | 16,60  | 16,60  | 20,90  | 20,90  | 25,00  | 25,00  |
| Water flow rate I/h                           | 868      | 868    | 1152   | 1152   | 2012   | 2012   | 2666   | 2666   | 3543   | 3543   | 4523   | 4523   | 5761   | 5761   | 6810   | 6810   |
| Pressure drop kPa                             | 4        | 4      | 6      | 6      | 15     | 15     | 29     | 29     | 27     | 27     | 41     | 41     | 31     | 31     | 42     | 42     |
| Heating performance 70 °C / 60 °C - 2 pipe s  | ystem    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Heating capacity kW                           | 11,40    | 11,40  | 14,80  | 14,80  | 21,40  | 21,40  | 27,40  | 27,40  | 35,60  | 35,60  | 46,60  | 46,60  | 58,30  | 58,30  | 72,80  | 72,80  |
| Water flow rate I/h                           | 976      | 976    | 1273   | 1273   | 1838   | 1838   | 2356   | 2356   | 3058   | 3058   | 4005   | 4005   | 5013   | 5013   | 6260   | 6260   |
| Pressure drop kPa                             | 4        | 4      | 7      | 7      | 16     | 16     | 23     | 23     | 21     | 21     | 34     | 34     | 22     | 22     | 30     | 30     |
| 2-rows-heating coil with hot water - (access  | ory) (2) |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Heating capacity kW                           | 3,90     | 3,90   | 8,50   | 8,50   | 12,70  | 12,70  | 16,00  | 16,00  | 21,70  | 21,70  | 26,70  | 26,70  | 34,80  | 34,80  | 40,00  | 40,00  |
| Water flow rate I/h                           | 333      | 333    | 731    | 731    | 1092   | 1092   | 1371   | 1371   | 1866   | 1866   | 2291   | 2291   | 2988   | 2988   | 3439   | 3439   |
| Pressure drop kPa                             | 8        | 8      | 11     | 11     | 13     | 13     | 14     | 14     | 18     | 18     | 26     | 26     | 18     | 18     | 23     | 23     |
| Electric heating coil - (accessory)           |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Heating capacity kW                           | 4,00     | 4,00   | 6,00   | 6,00   | 8,00   | 8,00   | 10,00  | 10,00  | 12,00  | 12,00  | 16,00  | 16,00  | 20,00  | 20,00  | 24,00  | 24,00  |
| Stages no.                                    | 2        | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      |
| Power supply                                  |          |        |        |        |        |        |        | 400V~  | 3 50Hz |        |        |        |        |        |        |        |
| Fan   |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Type type                                     |          |        |        |        |        |        |        | Centr  | ifugal |        |        |        |        |        |        |        |
| Number no.                                    | 1        | 1      | 2      | 2      | 2      | 2      | 1      | 1      | 1      | 1      | 2      | 2      | 2      | 2      | 2      | 2      |
| Air flow rate m <sup>3</sup> /h               | 800      | 800    | 1100   | 1100   | 1500   | 1500   | 1900   | 1900   | 2400   | 2400   | 3300   | 3300   | 4000   | 4000   | 5000   | 5000   |
| High static pressure Pa                       | 131      | 131    | 265    | 265    | 158    | 158    | 224    | 224    | 199    | 199    | 224    | 224    | 234    | 234    | 131    | 131    |
| Input power kW                                | 0.       | 25     | 0.     | 31     | 0.     | 38     | 0.     | 61     | 0.     | 83     | 0.     | 81     | 0.9    | 98     | 1.     | 28     |
| Air filter                                    |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Type type                                     |          |        |        |        |        |        |        | G4     | / F6   |        |        |        |        |        |        |        |
| Sound data                                    |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Sound power level dB(A)                       | 62,0     | 62,0   | 66,0   | 66,0   | 67,0   | 67,0   | 72,0   | 72,0   | 74,0   | 74,0   | 75,0   | 75,0   | 76,0   | 76,0   | 79,0   | 79,0   |
| Power supply                                  |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Power supply                                  |          |        |        |        |        |        |        | 230V/  | ~50Hz  |        |        |        |        |        |        |        |

Room air 27 °C b.s.47% U.R.; Water (in/out) 7 °C/12 °C
Water temperature (in/out) 70°C / 60°C.

## DIMENSIONS



#### Unit for horizontal installation

Unit H

|                       |     | TA09H4 | TA09H6 | TA11H4 | TA11H6 | TA15H4 | TA15H6 | TA19H4 | TA19H6 | TA24H4 | TA24H6 | TA33H4 | TA33H6 | TA40H4 | TA40H6 | TA50H4 | TA50H6 |
|-----------------------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Dimensions and weig   | hts |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| A                     | mm  | 300    | 300    | 300    | 300    | 300    | 300    | 390    | 390    | 390    | 390    | 390    | 390    | 390    | 390    | 390    | 390    |
| В                     | mm  | 700    | 700    | 700    | 700    | 1050   | 1050   | 1050   | 1050   | 1475   | 1475   | 1475   | 1475   | 2100   | 2100   | 2100   | 2100   |
| C                     | mm  | 700    | 700    | 700    | 700    | 700    | 700    | 850    | 850    | 850    | 850    | 850    | 850    | 1000   | 1000   | 1000   | 1000   |
| D                     | mm  | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     |
| E                     | mm  | 732    | 732    | 732    | 732    | 732    | 732    | 1082   | 1082   | 1507   | 1507   | 1507   | 1507   | 2131   | 2131   | 2131   | 2131   |
| F                     | mm  | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     |
| G                     | mm  | 655    | 655    | 655    | 655    | 655    | 655    | 905    | 905    | 905    | 905    | 905    | 905    | 905    | 905    | 905    | 905    |
| Weights               |     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| With 4-row water coil | kg  | 28     | 28     | 33     | 33     | 45     | 45     | 60     | 60     | 78     | 78     | 86     | 86     | 135    | 135    | 140    | 140    |
| With 6-row water coil | kg  | 30     | 30     | 35     | 35     | 47     | 47     | 62     | 62     | 81     | 81     | 89     | 89     | 139    | 139    | 144    | 144    |

#### Unit for vertical installation

Unit V

|                       |     | TA09V4 | TA09V6 | TA11V4 | <b>TA11V6</b> | TA11VE | TA15V4 | TA15V6 | TA19V4 | TA19V6 | TA24V4 | TA24V6 | TA33V4 | TA33V6 | TA40V4 | TA40V6 | TA50V4 | TA50V6 |
|-----------------------|-----|--------|--------|--------|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Dimensions and weigh  | ıts |        |        |        |               |        |        |        |        |        |        |        |        |        |        |        |        |        |
| A                     | mm  | 300    | 300    | 300    | 300           | 300    | 300    | 300    | 390    | 390    | 390    | 390    | 390    | 390    | 390    | 390    | 390    | 390    |
| В                     | mm  | 700    | 700    | 700    | 700           | 700    | 1050   | 1050   | 1050   | 1050   | 1475   | 1475   | 1475   | 1475   | 2100   | 2100   | 2100   | 2100   |
| C                     | mm  | 700    | 700    | 700    | 700           | 700    | 700    | 700    | 850    | 850    | 850    | 850    | 850    | 850    | 1000   | 1000   | 1000   | 1000   |
| D                     | mm  | 82     | 82     | 82     | 82            | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     | 82     |
| E                     | mm  | 732    | 732    | 732    | 732           | 732    | 732    | 732    | 1082   | 1082   | 1507   | 1507   | 1507   | 1507   | 2131   | 2131   | 2131   | 2131   |
| F                     | mm  | 70     | 70     | 70     | 70            | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     | 70     |
| G                     | mm  | 655    | 655    | 655    | 655           | 655    | 655    | 655    | 905    | 905    | 905    | 905    | 905    | 905    | 905    | 905    | 905    | 905    |
| Weights               |     |        |        |        |               |        |        |        |        |        |        |        |        |        |        |        |        |        |
| With 4-row water coil | kg  | 28     | 28     | 33     | 33            | 33     | 45     | 45     | 60     | 60     | 78     | 78     | 86     | 86     | 135    | 135    | 140    | 140    |
| With 6-row water coil | kg  | 30     | 30     | 35     | 35            | 35     | 47     | 47     | 62     | 62     | 81     | 81     | 89     | 89     | 139    | 139    | 144    | 144    |

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