

## FCZ SA P

Fan coils

concealed installation

Cooling capacity 0,7 ÷ 8,6 kW

Heating capacity 0,7 ÷ 17,1 kW



FCZ SA P  
FCZ SA PO

- FULLY SILENT FUNCTIONING
- FULL COMFORT: REDUCED TEMPERATURE AND RELATIVE HUMIDITY OSCILLATIONS

### FEATURES

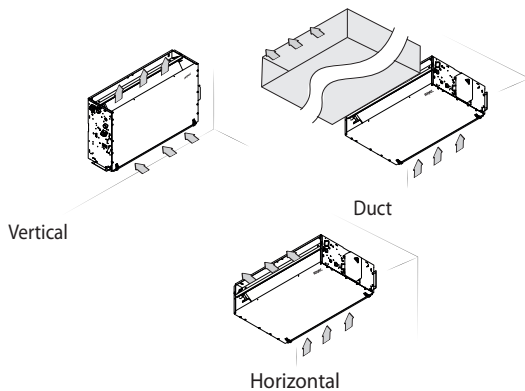
Drawing from its wide experience in the field of fan coils, Aermec presents the new series FCZ P for duct installations. They can be installed on any system with 2/4 pipe and it fits with any heat generator even at low temperatures, and thanks to varied versions and settings, it is easy to pick the ideal solution for any need.

**Versions Without control in built,  
Vertical or horizontal installation:  
FCZ SA P  
FCZ SA PO**

- 3-speed ventilating unit.
- Electric motors with permanently inserted condensers
- Low loss of charge in the heat exchanger

- Easy installation and maintenance
- **G2** air filter for all versions.
- Extractable shrouds for easy, effective cleaning

### VERSIONS DESCRIPTION



#### Versions

- **FCZ SA P**  
- Concealed without cabinet
- **FCZ SA PO**  
- Concealed (ideal also for ducted installation)

**Vertical or horizontal installation**  
- For 2/4 pipe system

## CHOOSING THE UNIT

By appropriately combining the variety of options available, each model can be configured in order to meet all specific system requirements.

| Field | Description                     | 7,8,9 Versions                             |
|-------|---------------------------------|--|
| 1,2,3 | <b>FCZ SA</b>                   | <b>P</b> Concealed mounted without cabinet |
| 4     | <b>Size</b>                     | <b>PO</b> Concealed with oversized motor   |
|       | 1-2-3-4-5-6-7-8-9-10            | <b>Voltage</b>                             |
| 5     | <b>Main coil</b>                | 120V - 60Hz                                |
|       | <b>0</b> Standard               | 220V - 60Hz                                |
|       | <b>5</b> Oversized (1)          | 230V - 50Hz                                |
| 6     | <b>Supplementary coil</b>       |  |
|       | <b>0</b> Without heat exchanger |  |
|       | <b>1</b> Standard               |  |
|       | <b>2</b> Oversized              |  |

(1) Oversized coil "5" does not allow the installation of the supplementary coil "1 or 2"

## SIZE AVAILABLE FOR VERSION

| Versions  | Size available with main coil only (2 pipes) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
|-----------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| FCZ SA    | 100  | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 |
| <b>P</b>  | •  | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| <b>PO</b> | /  | /   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | /   | /   | •   | •   | /    | /    |

| Versions  | Size available with main and supplementary coil (4 pipes) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
|-----------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| FCZ SA    | 101   | 102 | 201 | 202 | 301 | 302 | 401 | 402 | 501 | 502 | 601 | 602 | 701 | 702 | 801 | 802 | 901 | 1001 |
| <b>P</b>  | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| <b>PO</b> | /   | /   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | /   | •   | •   | /    |

## ACCESSORIES

### Probes and accessory for control panels

- **SW3**: water temperature probe allowing automatic season change on electronic controllers supplied with water-side change over
- **SWA**: external probe accessory (length = 6m). The probe detects the temperature of the ambient air if connected to the connector (A) on panel FMT21; the ambient air temperature probe incorporated in the panel is automatically deactivated. Detects the temperature of the water in the system, for ventilation consent, if connected to the connector (W) of the FMT21 panel. Two SWA probes can be simultaneously connected to the panel FMT21.
- **SIT 3 - 5**: Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel (selector or thermostat).  
SIT3: 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.  
SIT5: commands the 3 fan speeds and up to 2 valves (four pipe systems); sends the thermostat's commands to the fan coil network.

### VMF system

- **VMF-E0X**: Thermostat accessory to be mounted on the side of the fancoil, equipped with air and water sensors as standard; controls 2 pipe, 4 pipe, 2 pipe + Plasmacluster, 2 pipe + UV lamps, 2 pipe + electrical heater systems. Equipped with external contact to be used as low voltage remote ON-OFF. This thermostat can create a single fancoil zone through 2-wire serial communication (1 master + maximum 5 slaves). The thermostat is fuse protected.
- **VMF-E4**: Wall mounted user interface allowing control via a capacitive touch keyboard.
- **VMF-E1X**: Thermostat for serial communication.
- **VMF-SW**: Water sensor replacing that supplied with VMF-E1 thermostats for installation upstream of the valve.
- **VMF-SW1**: Additional water sensor for 4-pipe systems with E1 thermostats offering maximum control in the cooling range.

### Hot water coil

- **BV**: Single row hot water heat exchanger. Not available for versions with Plasmacluster.

### Electrical heater

- **RX**: Armoured electrical coil with safety thermostat (requires a thermostat with heater management). Not available for 4-row or Plasmacluster versions

### Valve kit

- **VCZ\_X4**: Valve kits for single coil units, installed in 4 pipe systems with totally separated "Cooling" and "Heating" circuits. The kit consists of 2 valves with 3-way 4 port connection complete with electro-thermal actuators, insulating shells for the valves and associated hydraulic piping. The VCF1X4L valve kit allows left side connection.
- **VCZ or VCF**: kit containing a motorised 3-way valve with insulating shell plus coupling and pipes in insulated copper. Applicable for standard or oversized main coil.
- **VCZD or VCFD**: Kit consisting of powered 2-way valve, copper couplings and pipes applicable for standard or oversized main coil.
- **VJP/VJP\_M**: Control and balancing combination valve for 2 and 4 pipe systems to install outside the unit, supplied without fittings and hydraulic components. The valve can guarantee a constant water flow rate in the terminal, within its operating range. **The VJP is controlled by on-off logic** with compatible control panels (accessories)  
**The VJP\_M is controlled by modulating logic** with panels not supplied by Aermec  
**The design water flow rate is crucial to refine the selection of the valve shown in the compatibility table.**

### Accessory for Installation

- **AMP**: kit for the wall mounting installation.
- **BC**: Auxiliary condensate drip tray.
- **CHF**: The VentilCassaforma is a galvanised sheet steel template, for P versions, which allows you to obtain a space for housing the fan coil, directly in the wall.
- **DSC4**: Condensate drainage device for use when natural run-off is not possible.

- **PA**: Galvanised sheet steel intake plenum equipped with intake fittings for circular section ducts.
- **PA-F**: Intake plenum, which allows recovery and flow on the same side. It is suitable for all those installations outside air-conditioned rooms, in order to minimise noise and facilitate maintenance operations.
- **PM**: Galvanised sheet steel flow plenum, externally insulated, equipped with plastic flow fittings for ducts and circular sections.
- **RD**: Straight flow fitting for ducting.
- **RDA**: Straight intake fitting for ducting.
- **RP**: 90° flow fitting for ducting
- **RPA**: 90° intake fitting for ducting.

### DUCTING ACCESSORIES

- **MZC**: Plenum with motor-driven dampers
- **RDA\_V**: Straight intake connection with rectangular flange.
- **RDAC\_V**: Straight intake connection with circular flanges.
- **RPA\_V**: Intake plenum with rectangular flange.
- **RDMC\_V**: Straight discharge with circular flanges. Internally insulated.
- **PA\_V**: Intake plenum with circular flanges. Flanges in plastic material.
- **RPM\_V**: Discharge plenum with rectangular flange. Internally insulated.
- **PM\_V**: Discharge plenum with circular flanges. Internally insulated. Flanges in plastic material.
- **KFV10**: Circular flanges kit for intake/discharge plenum.

### Grid

- **GA**: Intake grid with fixed louvers.
- **GAF**: Intake grid with fixed louvers with filter.
- **GM**: Flow grid with adjustable louvers.

## COMPATIBILITY OF ACCESSORIES

|  |      |        |       | Size with single Heat Exchanger   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
|--|------|--------|-------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| FCZ SA   | V    | Hz     |       | 100   | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 |
| <b>Probes and accessories for control panels</b>                       |      |        |       |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| PXAE   | P-PO | 230    | 50/60 | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| PXAR   | P-PO |        |       | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| TPF  | P-PO |        |       | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| WMT05-06-10  | P-PO | 24/230 | 50    | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| FMT21  | P-PO |        |       | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| SWA  | P-PO |        |       | In combination with FMT21   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| SW3  | P-PO |        |       | In combination with PXAE or PXAR  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| SIT3   | P-PO |        |       | In combination with FMT21 or PXAE or PXAR or PX2 or PX or PX2C6 WMT05-06-10 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| SIT5   | P-PO |        |       | In combination with FMT21 or PXAE or PXAR                                   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| <b>VMF System</b>  |      |        |       |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| VMF-E0X  | P-PO | 230    | 50    | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| VMF-E1X  | P-PO | 230    | 50    | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| VMF-E4   | P-PO | 5      | dc    | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| VMF-SW   | P-PO |        |       | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| VMF-SW1  | P-PO |        |       | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| <b>Additional coil (heating only)</b>                                  |      |        |       |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| BV117  | P-PO |        |       | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| BV122  | P-PO |        |       |   |     | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| BV132  | P-PO |        |       |   |     |     | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| BV142  | P-PO |        |       |   |     |     |     | •   |     |     | •   |     |     |     |     |     |     |     |     |     |     |      |      |
| BVZ800   | P-PO |        |       |   |     |     |     |     |     |     |     |     |     | •   |     | •   |     | •   |     |     |     |      |      |
| BV162  | P-PO |        |       |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | •   |     | •    |      |
| <b>Electrical Heat Exchanger</b>                                       |      |        |       |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| RX17   | P-PO |        | *     | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| RX22   | P-PO |        | *     |   |     | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| RX32   | P-PO |        | *     |   |     |     | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| RX42   | P-PO |        | *     |   |     |     |     | •   |     |     | •   |     |     |     |     |     |     |     |     |     |     |      |      |
| RX52   | P-PO |        | *     |   |     |     |     |     |     |     |     | •   |     |     |     |     |     |     |     |     |     |      |      |
| RXZ800   | P-PO |        | *     |   |     |     |     |     |     |     |     |     |     |     |     | •   |     | •   |     | •   |     |      |      |
| RX62   | P-PO |        | *     |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | •   |      | •    |
| <b>Water valves **</b>   |      |        |       |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| <b>Valve Kit for 4 pipe systems with Main coil</b>                     |      |        |       |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| VCZ1X4L-R  | P-PO | 230    | 50/60 | •   | •   | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| VCZ2X4L-R  | P-PO | 230    | 50/60 |   |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| VCZ3X4L-R  | P-PO | 230    | 50/60 |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | •   | •    | •    |
| <b>3 way valve kit</b>   |      |        |       |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| VCZ41  | P-PO | 230    | 50/60 | •   | •   | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| VCZ42  | P-PO | 230    | 50/60 |   |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| VCZ43  | P-PO | 230    | 50/60 |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | •   | •    | •    |
| VCZ41/4124   | P-PO | 24     | 50/60 | •   | •   | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| VCZ42/4224   | P-PO | 24     | 50/60 |   |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| VCZ43/4324   | P-PO | 24     | 50/60 |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | •   | •    | •    |
| <b>2 way valve kit</b>   |      |        |       |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| VCZD1  | P-PO | 230    | 50/60 | •   | •   | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| VCZD2  | P-PO | 230    | 50/60 |   |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| VCZD3  | P-PO | 230    | 50/60 |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | •   | •    | •    |
| VCZD1/124  | P-PO | 24     | 50/60 | •   | •   | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| VCZD2/224  | P-PO | 24     | 50/60 |   |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| VCZD3/324  | P-PO | 24     | 50/60 |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | •   | •    | •    |
| <b>Combined adjustment and balancing valve independent of pressure</b> |      |        |       |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| VJP060   | P-PO | 230    | 50/60 | •   | •   | •   | •   | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| VJP090   | P-PO | 230    | 50/60 |   |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| VJP150   | P-PO | 230    | 50/60 |   |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| VJP060M  | P-PO | 24     | 50/60 | •   | •   | •   | •   | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
| VJP090M  | P-PO | 24     | 50/60 |   |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |
| VJP150M  | P-PO | 24     | 50/60 |   |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    |

PO version only available for size from 2 to 9

For more details on the control panels and VMF system refer to the dedicated sheet.

\* Contact Aermec

\*\*The water valves can be combined with the unit if it is also provided a control panel that controls

(1) PX2C6 panel PX2 in multiple 6 pieces

## COMPATIBILITY OF ACCESSORIES

| FCZ SA                                |      | V Hz |           | Size with single Heat Exchanger |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
|---------------------------------------|------|------|-----------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                                       |      |      |           | 100                             | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 |
| <b>Installation accessories</b>       |      |      |           |                                 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| AMP20                                 | P-PO |      |           | •                               | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| AMPZ                                  | P-PO |      |           | •                               | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| DSC4                                  | P-PO | 230  | 50/60 (3) | •                               | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| ZX7                                   | P-PO |      |           | •                               | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| ZX8                                   | P-PO |      |           |                                 |     |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •    |
| <b>Auxiliary condensate drip tray</b> |      |      |           |                                 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| BC4                                   | P-PO | (4)  |           | •                               | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| BC5                                   | P-PO | (5)  |           | •                               | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| BC6                                   | P-PO | (5)  |           |                                 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | •   | •   | •    |
| BC8                                   | P-PO | (5)  |           | •                               | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| BC9                                   | P-PO | (5)  |           |                                 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | •   | •   | •    |
| <b>Ventilcassaforma</b>               |      |      |           |                                 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| CHF17                                 | P    |      |           | •                               | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| CHF22                                 | P-PO |      |           |                                 |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| CHF32                                 | P-PO |      |           |                                 |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |      |
| CHF42                                 | P-PO |      |           |                                 |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |     |      |
| CHF62                                 | P-PO |      |           |                                 |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| <b>Grid</b>                           |      |      |           |                                 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| GA17                                  | P    |      |           | •                               | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| GA22                                  | P-PO |      |           |                                 |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| GA32                                  | P-PO |      |           |                                 |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |      |
| GA42                                  | P-PO |      |           |                                 |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |     |      |
| GA62                                  | P-PO |      |           |                                 |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| GAF17                                 | P    |      |           | •                               | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| GAF22                                 | P-PO |      |           |                                 |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| GAF32                                 | P-PO |      |           |                                 |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |      |
| GAF42                                 | P-PO |      |           |                                 |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |     |      |
| GAF62                                 | P-PO |      |           |                                 |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| GM17                                  | P    |      |           | •                               | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| GM22                                  | P-PO |      |           |                                 |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| GM32                                  | P-PO |      |           |                                 |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |      |
| GM42                                  | P-PO |      |           |                                 |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |     |      |
| GM62                                  | P-PO |      |           |                                 |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| <b>Accessories for installation</b>   |      |      |           |                                 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| PA17                                  | P    |      |           | •                               | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| PA22                                  | P-PO |      |           |                                 |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| PA32                                  | P-PO |      |           |                                 |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |      |
| PA42                                  | P-PO |      |           |                                 |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |     |      |
| PA62                                  | P    |      |           |                                 |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| PA17F                                 | P    |      |           | •                               | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| PA22F                                 | P-PO |      |           |                                 |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| PA32F                                 | P-PO |      |           |                                 |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |      |
| PA42F                                 | P-PO |      |           |                                 |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |     |      |
| PA62F                                 | P    |      |           |                                 |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| PM17                                  | P    |      |           | •                               | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| PM22                                  | P-PO |      |           |                                 |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| PM32                                  | P-PO |      |           |                                 |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |      |
| PM42                                  | P-PO |      |           |                                 |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |     |      |
| PM62                                  | P    |      |           |                                 |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| RD17                                  | P    |      |           | •                               | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| RD22                                  | P-PO |      |           |                                 |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| RD32                                  | P-PO |      |           |                                 |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |      |
| RD42                                  | P-PO |      |           |                                 |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |     |      |
| RD62                                  | P    |      |           |                                 |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •    |

(3) DSC4 It's not available with AMPZ

(4) For vertical installation. BC4 is not available with valve VCZ-VCZD / VCF-VCFD

(5) For horizontal installation

## COMPATIBILITY OF ACCESSORIES

| FCZ SA |      | Size with single Heat Exchanger |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |   |
|--------|------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|---|
|        |      | 100                             | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 |   |
| RDA17  | P    | •                               | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |   |
| RDA22  | P-PO |                                 |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |   |
| RDA32  | P-PO |                                 |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |      |      |   |
| RDA42  | P-PO |                                 |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |     |      |      |   |
| RDA62  | P    |                                 |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    | • |
| RPA17  | P    | •                               | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |   |
| RPA22  | P-PO |                                 |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |   |
| RPA32  | P-PO |                                 |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |      |      |   |
| RPA42  | P-PO |                                 |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |     |      |      |   |
| RPA62  | P    |                                 |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •    | •    | • |

| Plenum for duct installation |        |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|--------|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MZC220                       | PO     |  |  | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| MZC320                       | PO     |  |  |   |   | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| MZC530                       | PO     |  |  |   |   |   |   | • | • | • | • |   |   |   |   |   |   |   |   |   |   |   |
| MZC830                       | PO     |  |  |   |   |   |   |   |   |   |   | • | • | • | • | • | • | • | • | • | • | • |
| RDA000V                      | PO     |  |  | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| RDA100V                      | PO     |  |  |   |   | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| RDA200V                      | PO     |  |  |   |   |   |   | • | • | • | • |   |   |   |   |   |   |   |   |   |   |   |
| RDA300V                      | PO     |  |  |   |   |   |   |   |   |   |   | • | • | • | • |   |   |   |   | • | • |   |
| RPA000V                      | PO (6) |  |  | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| RPA100V                      | PO (6) |  |  |   |   | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| RPA200V                      | PO (6) |  |  |   |   |   |   | • | • | • | • |   |   |   |   |   |   |   |   |   |   |   |
| RPA300V                      | PO (6) |  |  |   |   |   |   |   |   |   |   | • | • | • | • |   |   |   |   | • | • |   |
| RDAC000V                     | PO     |  |  | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| RDAC100V                     | PO     |  |  |   |   | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| RDAC200V                     | PO     |  |  |   |   |   |   | • | • | • | • |   |   |   |   |   |   |   |   |   |   |   |
| RDAC300V                     | PO     |  |  |   |   |   |   |   |   |   |   | • | • | • | • |   |   |   |   | • | • |   |
| PA000V                       | PO (6) |  |  | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| PA100V                       | PO (6) |  |  |   |   | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| PA200V                       | PO (6) |  |  |   |   |   |   | • | • | • | • |   |   |   |   |   |   |   |   |   |   |   |
| PA300V                       | PO (6) |  |  |   |   |   |   |   |   |   |   | • | • | • | • |   |   |   |   | • | • |   |
| PM000V                       | PO (6) |  |  | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| PM100V                       | PO (6) |  |  |   |   | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| PM200V                       | PO (6) |  |  |   |   |   |   | • | • | • | • |   |   |   |   |   |   |   |   |   |   |   |
| PM300V                       | PO (6) |  |  |   |   |   |   |   |   |   |   | • | • | • | • |   |   |   |   | • | • |   |
| RPM000V                      | PO (6) |  |  | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| RPM100V                      | PO (6) |  |  |   |   | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| RPM200V                      | PO (6) |  |  |   |   |   |   | • | • | • | • |   |   |   |   |   |   |   |   |   |   |   |
| RPM300V                      | PO (6) |  |  |   |   |   |   |   |   |   |   | • | • | • | • |   |   |   |   | • | • |   |
| RDMC000V                     | PO     |  |  | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| RDMC100V                     | PO     |  |  |   |   | • | • |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| RDMC200V                     | PO     |  |  |   |   |   |   | • | • | • | • |   |   |   |   |   |   |   |   |   |   |   |
| RDMC300V                     | PO     |  |  |   |   |   |   |   |   |   |   | • | • | • | • |   |   |   |   | • | • |   |

**PO version only available for size from 2 to 9**

(6) All the Plenums ( RPA\_V; PA\_V; RPM\_V; PM\_V ) have a circular push-outs (Ø=150mm ) on both sides, which can be removed, All the can have intake/discharge either straight or downwards (straight or downwards with reference to horizontal installation).

## COMPATIBILITY OF ACCESSORIES

|  |      |        |           | Sizes available for 4-pipe system (Main coil + Secondary coil)              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
|--|------|--------|-----------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| FCZ SA   | V    | Hz     |           | 101   | 102 | 201 | 202 | 301 | 302 | 401 | 402 | 501 | 502 | 601 | 602 | 701 | 702 | 801 | 802 | 901 | 1001 |
| <b>Probes and accessories for control panels</b>                       |      |        |           |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| TPF  | P-PO |        |           | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| WMT06-10   | P-PO | 24/230 | 50        | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| FMT21  | P-PO |        |           | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| SWA  | P-PO |        |           | In combination with FMT21   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| SW3  | P-PO |        |           | In combination with PXAE  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| SIT3   | P-PO |        |           | In combination with FMT21 or PXAE or PXAR or PX2 or PX or PX2C6 WMT05-06-10 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| SIT5   | P-PO |        |           | In combination with FMT21 or PXAE or PXAR                                   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| <b>VMF System</b>  |      |        |           |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VMF-E0X  | P-PO | 230    | 50        | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| VMF-E1X  | P-PO | 230    | 50        | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| VMF-E4   | P-PO | 5      | dc        | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| VMF-SW   | P-PO |        |           | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| VMF-SW1  | P-PO |        |           | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| <b>Water valve**</b>   |      |        |           |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| <b>3 way valve kit</b>   |      |        |           |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCZ41  | P-PO | 230    | 50/60     |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCZ42  | P-PO | 230    | 50/60     |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCZ43  | P-PO | 230    | 50/60     |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCZ41/4124   | P-PO | 24     | 50/60     | •   | •   | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCZ42/4224   | P-PO | 24     | 50/60     |   |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| VCZ43/4324   | P-PO | 24     | 50/60     |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | •   | •    |
| <b>2 way valve kit</b>   |      |        |           |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCZD1  | P-PO | 230    | 50/60     |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCZD2  | P-PO | 230    | 50/60     |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCZD3  | P-PO | 230    | 50/60     |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCZD1/124  | P-PO | 24     | 50/60     | •   | •   | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCZD2/224  | P-PO | 24     | 50/60     |   |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| VCZD3/324  | P-PO | 24     | 50/60     |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | •   | •    |
| <b>3 way valve kit for heating coil only</b>                           |      |        |           |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCF44  | P-PO | 230    | 50/60     |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCF45  | P-PO | 230    | 50/60     |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCF44/4424   | P-PO | 24     | 50/60     | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| VCF45/4524   | P-PO | 24     | 50/60     |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | •   | •    |
| <b>2 way valve kit for heating coil only</b>                           |      |        |           |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCFD4  | P-PO | 230    | 50/60     |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VCFD4/424  | P-PO | 24     | 50/60     | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| <b>Combined adjustment and balancing valve independent of pressure</b> |      |        |           |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| VJP060   | P-PO | 230    | 50/60     | •   | •   | •   | •   | •   | •   |     |     |     |     |     |     |     |     |     |     |     |      |
| VJP090   | P-PO | 230    | 50/60     |   |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| VJP150   | P-PO | 230    | 50/60     |   |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •    |
| VJP060M  | P-PO | 24     | 50/60     | •   | •   | •   | •   | •   | •   |     |     |     |     |     |     |     |     |     |     |     |      |
| VJP090M  | P-PO | 24     | 50/60     |   |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| VJP150M  | P-PO | 24     | 50/60     |   |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •    |
| <b>Accessories for installation</b>                                    |      |        |           |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| AMP20  | P-PO |        |           | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| AMPZ   | P-PO |        |           | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| DSC4   | P-PO | 230    | 50/60 (1) | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| ZX7  | P-PO |        |           | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   |     |     |     |     |     |     |     |      |
| ZX8  | P-PO |        |           |   |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •    |
| <b>Auxiliary condensate drip tray</b>                                  |      |        |           |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| BC4  | P    |        | (2)       | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| BC5  | P    |        | (3)       | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| BC6  | P    |        | (3)       |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | •   | •    |
| BC8  | P-PO |        | (3)       | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •   | •    |
| BC9  | P-PO |        | (3)       |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | •   | •    |
| <b>Ventilcassaforma</b>  |      |        |           |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| CHF17  | P    |        |           | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| CHF22  | P    |        |           |   |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| CHF32  | P    |        |           |   |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |      |
| CHF42  | P    |        |           |   |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |      |
| CHF62  | P    |        |           |   |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   | •    |

PO version only available for size from 2 to 9

\* Contact Aermec

\*\*The water valves can be combined with the unit if it is also provided a control panel that controls

VJP / VJP\_M The compatibility of the hot water valves with the designed air flow in a four-pipe installation is to be verified.

(1) DSC4 It's not available with AMPZ

(2) For vertical installation

(3) For horizontal installation



## Compatibility of accessories

| FCZ SA   |    | Sizes available for 4-pipe system (Main coil + Secondary coil) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
|----------|----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|          |    | 101  | 102 | 201 | 202 | 301 | 302 | 401 | 402 | 501 | 502 | 601 | 602 | 701 | 702 | 801 | 802 | 901 | 1001 |
| RDA000V  | PO |  |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| RDA100V  | PO |  |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |      |
| RDA200V  | PO |  |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |      |
| RDA300V  | PO |  |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   |     |     |     | •    |
| RPA000V  | PO | (6)  |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| RPA100V  | PO | (6)  |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |      |
| RPA200V  | PO | (6)  |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |      |
| RPA300V  | PO | (6)  |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   |     |     |     | •    |
| RDAC000V | PO |  |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| RDAC100V | PO |  |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |      |
| RDAC200V | PO |  |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |      |
| RDAC300V | PO |  |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   |     |     |     | •    |
| PA000V   | PO | (6)  |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| PA100V   | PO | (6)  |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |      |
| PA200V   | PO | (6)  |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |      |
| PA300V   | PO | (6)  |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   |     |     |     | •    |
| PM000V   | PO | (6)  |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| PM100V   | PO | (6)  |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |      |
| PM200V   | PO | (6)  |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |      |
| PM300V   | PO | (6)  |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   |     |     |     | •    |
| RPM000V  | PO | (6)  |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| RPM100V  | PO | (6)  |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |      |
| RPM200V  | PO | (6)  |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |      |
| RPM300V  | PO | (6)  |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   |     |     |     | •    |
| RDMC000V | PO |  |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
| RDMC100V | PO |  |     |     |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |      |
| RDMC200V | PO |  |     |     |     |     |     | •   | •   | •   | •   |     |     |     |     |     |     |     |      |
| RDMC300V | PO |  |     |     |     |     |     |     |     |     |     | •   | •   | •   | •   |     |     |     | •    |

**PO version only available for size from 2 to 9**

(6) All the Plenums ( RPA\_V; PA\_V; RPM\_V; PM\_V ) have a circular push-outs (Ø=150mm ) on both sides, which can be removed, All the can have intake/discharge either straight or downwards (straight or downwards with reference to horizontal installation).

## TECHNICAL DATA UNIT FOR 2 PIPE SYSTEMS (MAIN COIL)

| FCZ SA P                     | 100   |     |      | 150  |      |      | 200  |      |      | 250  |      |      | 300  |      |      | 350  |      |      | 400  |      |      | 450  |      |      | 500  |      |      | 550  |      |      |      |      |
|------------------------------|-------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                              | H     | M   | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    |
| <b>Fan speed</b>             |       |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>Heating Performance</b>   |       |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>2 pipe systems</b>        |       |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Heating capacity (70°C)      | (1)   | kW  | 2,40 | 2,00 | 1,46 | 2,65 | 2,19 | 1,55 | 3,70 | 2,95 | 2,02 | 4,05 | 3,18 | 2,20 | 5,50 | 4,46 | 3,47 | 6,15 | 4,92 | 3,77 | 7,15 | 5,74 | 4,32 | 7,82 | 6,29 | 4,57 | 8,50 | 7,31 | 5,27 | 9,75 | 8,34 | 5,82 |
| Water flow rate              | (1)   | l/h | 206  | 172  | 125  | 228  | 188  | 133  | 318  | 253  | 173  | 348  | 273  | 189  | 473  | 383  | 298  | 529  | 423  | 324  | 615  | 493  | 371  | 672  | 532  | 393  | 731  | 629  | 453  | 838  | 717  | 500  |
| Pressure drop                | (1)   | kPa | 9    | 6    | 4    | 14   | 10   | 6    | 20   | 13   | 7    | 31   | 20   | 11   | 17   | 12   | 7    | 28   | 19   | 12   | 32   | 21   | 11   | 22   | 13   | 9    | 42   | 42   | 42   | 33   | 25   | 14   |
| Heating capacity (45°C)      | (2)   | kW  | 1,19 | 0,99 | 0,72 | 1,31 | 1,09 | 0,77 | 1,84 | 1,46 | 1,00 | 2,01 | 1,58 | 1,09 | 2,73 | 2,21 | 1,72 | 3,06 | 2,44 | 1,87 | 3,55 | 2,85 | 2,14 | 3,88 | 3,12 | 2,27 | 4,22 | 3,63 | 2,62 | 4,85 | 4,14 | 2,89 |
| Water flow rate              | (2)   | l/h | 207  | 173  | 126  | 229  | 189  | 134  | 319  | 254  | 174  | 350  | 274  | 190  | 475  | 385  | 299  | 531  | 425  | 325  | 617  | 495  | 373  | 675  | 543  | 394  | 734  | 631  | 455  | 842  | 720  | 502  |
| Pressure drop                | (2)   | kPa | 9    | 7    | 4    | 12   | 9    | 5    | 17   | 12   | 6    | 22   | 15   | 8    | 17   | 12   | 8    | 20   | 14   | 8    | 23   | 16   | 9    | 16   | 11   | 6    | 28   | 21   | 12   | 25   | 19   | 10   |
| <b>Cooling Performance</b>   |       |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Total cooling capacity       | (3)   | kW  | 1,00 | 0,84 | 0,65 | 1,27 | 1,06 | 0,80 | 1,60 | 1,28 | 0,89 | 1,94 | 1,55 | 1,06 | 2,65 | 2,17 | 1,68 | 3,02 | 2,46 | 1,89 | 3,60 | 2,92 | 2,21 | 4,03 | 3,21 | 2,41 | 4,25 | 3,69 | 2,68 | 4,79 | 4,13 | 2,91 |
| Sensible cooling capacity    | (3)   | kW  | 0,83 | 0,69 | 0,51 | 0,97 | 0,80 | 0,57 | 1,33 | 1,05 | 0,71 | 1,52 | 1,20 | 0,79 | 2,04 | 1,65 | 1,26 | 2,18 | 1,76 | 1,33 | 2,67 | 2,14 | 1,59 | 2,90 | 2,30 | 1,69 | 3,18 | 2,73 | 1,94 | 3,49 | 2,98 | 2,07 |
| Water flow rate              | (3)   | l/h | 172  | 144  | 112  | 219  | 182  | 138  | 275  | 221  | 153  | 334  | 267  | 182  | 456  | 374  | 288  | 560  | 460  | 350  | 619  | 503  | 379  | 694  | 552  | 414  | 731  | 634  | 460  | 824  | 711  | 501  |
| Pressure drop                | (3)   | kPa | 8    | 6    | 4    | 13   | 12   | 6    | 18   | 12   | 6    | 25   | 17   | 8    | 18   | 12   | 8    | 25   | 17   | 11   | 24   | 16   | 10   | 22   | 15   | 9    | 29   | 22   | 13   | 28   | 21   | 11   |
| <b>Fans</b>                  |       |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Centrifugal Fans             | n°    |     | 1    |      |      | 1    |      |      | 2    |      |      | 2    |      |      | 2    |      |      | 2    |      |      | 2    |      |      | 2    |      |      | 2    |      |      | 2    |      |      |
| Air flow rate                | m³/h  |     | 200  | 160  | 110  | 200  | 160  | 110  | 290  | 220  | 140  | 290  | 220  | 140  | 450  | 350  | 260  | 450  | 350  | 260  | 600  | 460  | 330  | 600  | 460  | 330  | 720  | 600  | 400  | 720  | 600  | 400  |
| <b>Sound level</b>           |       |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Sound power level            | dB(A) |     | 45   | 38   | 31   | 45   | 38   | 31   | 50   | 43   | 31   | 50   | 43   | 31   | 48   | 41   | 34   | 48   | 41   | 34   | 51   | 44   | 37   | 51   | 44   | 37   | 56   | 51   | 42   | 56   | 51   | 42   |
| Sound pressure level         | dB(A) |     | 37   | 30   | 23   | 37   | 30   | 23   | 42   | 35   | 23   | 42   | 35   | 23   | 40   | 33   | 26   | 40   | 33   | 26   | 43   | 36   | 29   | 43   | 36   | 29   | 48   | 43   | 34   | 48   | 43   | 34   |
| <b>Hydraulic connections</b> |       |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>Main coil</b>             |       |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Standard                     | ∅     |     | 1/2" |      |      | /    |      |      | 1/2" |      |      | /    |      |      | 3/4" |      |      | /    |      |      | 3/4" |      |      | /    |      |      | 3/4" |      |      | /    |      |      |
| Oversized                    | ∅     |     | /    |      |      | 1/2" |      |      | /    |      |      | 1/2" |      |      | /    |      |      | 3/4" |      |      | /    |      |      | 3/4" |      |      | /    |      |      | 3/4" |      |      |

| FCZ SA P                     | 600   |     |       | 650  |      |       | 700  |      |       | 750  |      |       | 800   |      |       | 850   |      |       | 900   |       |       | 950   |       |       | 1000  |       |       |       |       |
|------------------------------|-------|-----|-------|------|------|-------|------|------|-------|------|------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                              | H     | M   | L     | H    | M    | L     | H    | M    | L     | H    | M    | L     | H     | M    | L     | H     | M    | L     | H     | M     | L     | H     | M     | L     | H     | M     | L     | H     | M     |
| <b>Fan speed</b>             |       |     |       |      |      |       |      |      |       |      |      |       |       |      |       |       |      |       |       |       |       |       |       |       |       |       |       |       |       |
| <b>Heating Performance</b>   |       |     |       |      |      |       |      |      |       |      |      |       |       |      |       |       |      |       |       |       |       |       |       |       |       |       |       |       |       |
| <b>2 pipe systems</b>        |       |     |       |      |      |       |      |      |       |      |      |       |       |      |       |       |      |       |       |       |       |       |       |       |       |       |       |       |       |
| Heating capacity (70°C)      | (1)   | kW  | 10,00 | 8,10 | 6,50 | 11,50 | 9,15 | 7,19 | 11,00 | 9,80 | 8,10 | 12,50 | 11,30 | 9,10 | 12,00 | 10,80 | 9,80 | 14,00 | 12,35 | 11,30 | 15,14 | 13,35 | 10,77 | 17,10 | 14,42 | 11,20 | 17,02 | 15,24 | 12,56 |
| Water flow rate              | (1)   | l/h | 877   | 710  | 570  | 1008  | 802  | 631  | 946   | 843  | 696  | 1075  | 972   | 782  | 1032  | 929   | 843  | 1204  | 1062  | 972   | 1328  | 1171  | 945   | 1500  | 1295  | 982   | 1493  | 1337  | 1101  |
| Pressure drop                | (1)   | kPa | 26    | 18   | 12   | 31    | 20   | 13   | 37    | 30   | 21   | 20    | 16    | 11   | 42    | 35    | 29   | 24    | 19    | 16    | 21    | 16    | 11    | 32    | 23    | 15    | 43    | 34    | 24    |
| Heating capacity (45°C)      | (2)   | kW  | 4,97  | 4,03 | 3,23 | 5,72  | 4,55 | 3,57 | 5,47  | 4,87 | 4,03 | 6,21  | 5,62  | 4,52 | 5,97  | 5,37  | 4,87 | 6,96  | 6,14  | 5,62  | 7,53  | 6,64  | 5,35  | 8,50  | 7,17  | 5,57  | 8,46  | 7,58  | 6,24  |
| Water flow rate              | (2)   | l/h | 863   | 699  | 561  | 993   | 790  | 621  | 950   | 846  | 699  | 1079  | 975   | 786  | 1036  | 932   | 846  | 1209  | 1066  | 975   | 1307  | 1152  | 930   | 1476  | 1245  | 967   | 1469  | 1316  | 1084  |
| Pressure drop                | (2)   | kPa | 25    | 17   | 12   | 31    | 20   | 13   | 29    | 23   | 16   | 17    | 14    | 10   | 32    | 26    | 22   | 25    | 19    | 17    | 21    | 17    | 12    | 33    | 24    | 15    | 37    | 31    | 22    |
| <b>Cooling Performance</b>   |       |     |       |      |      |       |      |      |       |      |      |       |       |      |       |       |      |       |       |       |       |       |       |       |       |       |       |       |       |
| Total cooling capacity       | (3)   | kW  | 4,65  | 3,90 | 3,22 | 5,67  | 4,80 | 3,95 | 5,50  | 4,89 | 3,92 | 6,14  | 5,34  | 4,27 | 6,10  | 5,66  | 4,84 | 6,91  | 6,29  | 5,26  | 6,91  | 5,00  | 4,29  | 8,60  | 7,32  | 5,77  | 7,62  | 6,88  | 5,69  |
| Sensible cooling capacity    | (3)   | kW  | 3,92  | 3,17 | 2,56 | 4,12  | 3,43 | 2,78 | 4,30  | 3,76 | 2,99 | 4,72  | 4,05  | 3,20 | 4,83  | 4,42  | 3,72 | 5,36  | 4,83  | 4,00  | 5,68  | 3,78  | 2,97  | 5,78  | 4,87  | 3,80  | 5,53  | 5,34  | 4,42  |
| Water flow rate              | (3)   | l/h | 800   | 671  | 554  | 975   | 825  | 595  | 946   | 841  | 675  | 1056  | 918   | 734  | 1049  | 974   | 833  | 1189  | 1082  | 904   | 1189  | 860   | 738   | 1479  | 1259  | 992   | 1311  | 1183  | 979   |
| Pressure drop                | (3)   | kPa | 26    | 19   | 13   | 28    | 21   | 15   | 30    | 24   | 16   | 18    | 14    | 10   | 30    | 26    | 20   | 23    | 19    | 14    | 22    | 12    | 9     | 30    | 22    | 15    | 37    | 31    | 22    |
| <b>Fans</b>                  |       |     |       |      |      |       |      |      |       |      |      |       |       |      |       |       |      |       |       |       |       |       |       |       |       |       |       |       |       |
| Centrifugal Fans             | n°    |     | 3     |      |      | 3     |      |      | 3     |      |      | 3     |       |      | 3     |       |      | 3     |       |       | 3     |       |       | 3     |       |       | 3     |       |       |
| Air flow rate                | m³/h  |     | 920   | 720  | 520  | 920   | 720  | 520  | 1140  | 930  | 700  | 1140  | 930   | 700  | 1300  | 1120  | 900  | 1300  | 1120  | 900   | 1140  | 930   | 700   | 1140  | 930   | 700   | 1300  | 1120  | 900   |
| <b>Sound level</b>           |       |     |       |      |      |       |      |      |       |      |      |       |       |      |       |       |      |       |       |       |       |       |       |       |       |       |       |       |       |
| Sound power level            | dB(A) |     | 57    | 51   | 42   | 57    | 51   | 42   | 62    | 57   | 50   | 62    | 57    | 50   | 66    | 61    | 56   | 66    | 61    | 56    | 62    | 57    | 51    | 61    | 57    | 51    | 66    | 61    | 56    |
| Sound pressure level         | dB(A) |     | 49    | 43   | 34   | 49    | 43   | 34   | 54    | 49   | 42   | 54    | 49    | 42   | 58    | 53    | 48   | 58    | 53    | 48    | 54    | 49    | 43    | 53    | 49    | 43    | 58    | 53    | 48    |
| <b>Hydraulic connections</b> |       |     |       |      |      |       |      |      |       |      |      |       |       |      |       |       |      |       |       |       |       |       |       |       |       |       |       |       |       |
| <b>Main coil</b>             |       |     |       |      |      |       |      |      |       |      |      |       |       |      |       |       |      |       |       |       |       |       |       |       |       |       |       |       |       |
| Standard                     | ∅     |     | 3/4"  |      |      | /     |      |      | 3/4"  |      |      | /     |       |      | 3/4"  |       |      | /     |       |       | 3/4"  |       |       | /     |       |       | 3/4"  |       |       |
| Oversized                    | ∅     |     | /     |      |      | 3/4"  |      |      | /     |      |      | 3/4"  |       |      | /     |       |      | 3/4"  |       |       | /     |       |       | 3/4"  |       |       | /     |       |       |

| FCZ SA P                     | 1050  |     |       |       |       |
|------------------------------|-------|-----|-------|-------|-------|
| Fan speed                    | H     | M   | L     |       |       |
| <b>Heating Performance</b>   |       |     |       |       |       |
| <b>2 pipe systems</b>        |       |     |       |       |       |
| Heating capacity (70°C)      | (1)   | kW  | 18,97 | 16,85 | 14,02 |
| Water flow rate              | (1)   | l/h | 1665  | 1478  | 1230  |
| Pressure drop                | (1)   | kPa | 48    | 39    | 28    |
| Heating capacity (45°C)      | (2)   | kW  | 9,44  | 8,39  | 6,98  |
| Water flow rate              | (2)   | l/h | 1640  | 1455  | 1210  |
| Pressure drop                | (2)   | kPa | 47    | 38    | 27    |
| <b>Cooling Performance</b>   |       |     |       |       |       |
| Total cooling capacity       | (3)   | kW  | 9,49  | 8,48  | 7,13  |
| Sensible cooling capacity    | (3)   | kW  | 6,43  | 5,7   | 4,74  |
| Water flow rate              | (3)   | l/h | 1632  | 1460  | 1225  |
| Pressure drop                | (3)   | kPa | 36    | 30    | 22    |
| <b>Fans</b>                  |       |     |       |       |       |
| Centrifugal Fans             | n°    |     | 3     |       |       |
| Air flow rate                | m³/h  |     | 1300  | 1120  | 900   |
| <b>Sound level</b>           |       |     |       |       |       |
| Sound power level            | dB(A) |     | 66    | 61    | 56    |
| Sound pressure level         | dB(A) |     | 58    | 53    | 48    |
| <b>Hydraulic connections</b> |       |     |       |       |       |
| <b>Main coil</b>             |       |     |       |       |       |
| Standard                     | ∅     |     | /     |       |       |
| Oversized                    | ∅     |     | 3/4"  |       |       |

- (1) Room air temperature 20°C d.b.; Water (in/out) 70°C/60°C;  
 (2) Room air temperature 20°C d.b.; Water (in/out) 45°C/40°C  
 (3) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7°C/12°C  
 Sound pressure level (A-weighted) measured indoors with volume V=85m<sup>3</sup>, reverberation time t = 0.5 s; Direction factor Q = 2; Distance r = 2.5m

## TECHNICAL DATA UNIT FOR 4 PIPE SYSTEMS (WITH MAIN + SUPPLEMENTARY COIL)

| FCZ SA P                     |     | 101   |      |      | 201  |      |      | 301  |      |      | 401  |      |      |      |
|------------------------------|-----|-------|------|------|------|------|------|------|------|------|------|------|------|------|
|                              |     | H     | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    |      |
| <b>Fan speed</b>             |     |       |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>Heating Performance</b>   |     |       |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>4 pipe systems</b>        |     |       |      |      |      |      |      |      |      |      |      |      |      |      |
| Heating capacity (65°C)      | (1) | kW    | 1,17 | 1,02 | 0,75 | 1,61 | 1,36 | 1,02 | 2,56 | 2,19 | 1,81 | 3,13 | 2,65 | 2,13 |
| Water flow rate              | (1) | l/h   | 101  | 88   | 65   | 138  | 117  | 88   | 221  | 188  | 155  | 269  | 228  | 183  |
| Pressure drop                | (1) | kPa   | 4    | 3    | 2    | 10   | 7    | 5    | 29   | 22   | 15   | 8    | 7    | 4    |
| <b>Cooling Performance</b>   |     |       |      |      |      |      |      |      |      |      |      |      |      |      |
| Total cooling capacity       | (2) | kW    | 1,00 | 0,84 | 0,65 | 1,60 | 1,28 | 0,89 | 2,65 | 2,17 | 1,68 | 3,60 | 2,92 | 2,21 |
| Sensible cooling capacity    | (2) | kW    | 0,83 | 0,69 | 0,51 | 1,33 | 1,05 | 0,71 | 2,04 | 1,65 | 1,26 | 2,67 | 2,14 | 1,59 |
| Water flow rate              | (2) | l/h   | 172  | 144  | 112  | 275  | 221  | 153  | 456  | 374  | 288  | 619  | 503  | 379  |
| Pressure drop                | (2) | kPa   | 8    | 6    | 4    | 18   | 12   | 6    | 18   | 12   | 8    | 24   | 16   | 10   |
| <b>Fans</b>                  |     |       |      |      |      |      |      |      |      |      |      |      |      |      |
| Centrifugal fans             |     | n°    | 1    |      |      | 1    |      |      | 2    |      |      | 2    |      |      |
| Air flow rate                |     | m³/h  | 200  | 160  | 110  | 290  | 220  | 140  | 450  | 350  | 260  | 600  | 460  | 330  |
| <b>Sound level</b>           |     |       |      |      |      |      |      |      |      |      |      |      |      |      |
| Sound power level            |     | dB(A) | 45   | 38   | 31   | 50   | 43   | 31   | 48   | 41   | 34   | 51   | 44   | 39   |
| Sound pressure level         |     | dB(A) | 37   | 30   | 23   | 42   | 35   | 23   | 40   | 33   | 26   | 43   | 36   | 31   |
| <b>Hydraulic connections</b> |     |       |      |      |      |      |      |      |      |      |      |      |      |      |
| Main coil                    |     | Ø     | 1/2" |      |      | 1/2" |      |      | 3/4" |      |      | 3/4" |      |      |
| Additional coil              |     | Ø     | 1/2" |      |      | 1/2" |      |      | 1/2" |      |      | 1/2" |      |      |

| FCZ SA P                     |     | 501   |      |      | 601  |      |      | 701  |      |      | 801  |      |      | 901  |      |      | 1001 |      |      |      |
|------------------------------|-----|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                              |     | H     | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    |      |
| <b>Fan speed</b>             |     |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>Heating Performance</b>   |     |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>4 pipe systems</b>        |     |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Heating capacity (65°C)      | (1) | kW    | 3,74 | 3,34 | 2,59 | 4,36 | 3,67 | 2,53 | 4,95 | 4,29 | 3,66 | 5,34 | 4,79 | 4,21 | 5,73 | 5,63 | 4,74 | 6,09 | 5,57 | 4,85 |
| Water flow rate              | (1) | l/h   | 321  | 287  | 223  | 375  | 316  | 217  | 426  | 369  | 315  | 459  | 412  | 362  | 493  | 484  | 407  | 523  | 479  | 417  |
| Pressure drop                | (1) | kPa   | 10   | 8    | 5    | 16   | 11   | 7    | 20   | 16   | 15   | 23   | 19   | 12   | 12   | 11   | 9    | 15   | 13   | 10   |
| <b>Cooling Performance</b>   |     |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Total cooling capacity       | (2) | kW    | 4,25 | 3,69 | 2,68 | 4,65 | 3,90 | 3,22 | 5,50 | 4,89 | 3,92 | 6,10 | 5,66 | 4,84 | 6,91 | 5,00 | 4,29 | 7,62 | 6,88 | 5,69 |
| Sensible cooling capacity    | (2) | kW    | 3,18 | 2,73 | 1,94 | 3,92 | 3,17 | 2,56 | 4,30 | 3,76 | 2,99 | 4,83 | 4,42 | 3,72 | 5,68 | 3,78 | 2,97 | 5,53 | 5,34 | 4,42 |
| Water flow rate              | (2) | l/h   | 731  | 634  | 460  | 800  | 671  | 554  | 946  | 841  | 675  | 1049 | 974  | 833  | 1189 | 860  | 738  | 1311 | 1183 | 979  |
| Pressure drop                | (2) | kPa   | 29   | 22   | 13   | 26   | 19   | 13   | 30   | 24   | 16   | 30   | 26   | 20   | 22   | 12   | 9    | 37   | 31   | 22   |
| <b>Fans</b>                  |     |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Centrifugal fans             |     | n°    | 2    |      |      | 3    |      |      | 3    |      |      | 3    |      |      | 3    |      |      | 3    |      |      |
| Air flow rate                |     | m³/h  | 720  | 600  | 400  | 920  | 720  | 520  | 1140 | 930  | 700  | 1300 | 1120 | 900  | 1140 | 930  | 700  | 1300 | 1120 | 900  |
| <b>Sound level</b>           |     |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Sound power level            |     | dB(A) | 56   | 51   | 42   | 57   | 51   | 42   | 61   | 57   | 51   | 66   | 61   | 56   | 61   | 57   | 51   | 66   | 61   | 56   |
| Sound pressure level         |     | dB(A) | 48   | 43   | 34   | 49   | 43   | 34   | 53   | 49   | 43   | 58   | 53   | 48   | 53   | 49   | 43   | 58   | 53   | 48   |
| <b>Hydraulic connections</b> |     |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Main coil                    |     | Ø     | 3/4" |      |      | 3/4" |      |      | 3/4" |      |      | 3/4" |      |      | 3/4" |      |      | 3/4" |      |      |
| Additional coil              |     | Ø     | 1/2" |      |      | 1/2" |      |      | 1/2" |      |      | 1/2" |      |      | 1/2" |      |      | 1/2" |      |      |

(1) Room air temperature 20°C d.b.; Water (in/out) 65°C/55°C;

(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7°C/12°C

Sound pressure level (A-weighted) measured indoor with volume V=85m³, reverberation time t = 0.5 s; Direction factor Q = 2; Distance r = 2.5m

## TECHNICAL DATA UNIT FOR 2 PIPE SYSTEMS (MAIN COIL)

| FCZ SA PO                    |         | 200  |      |      | 250  |      |      | 300  |      |      | 350  |      |      | 400  |      |      | 450  |      |      | 500  |      |      | 550  |      |      |
|------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Fan speed                    |         | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    |
| <b>Hating Performance</b>    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>2 pipe systems</b>        |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Heating capacity (70°C)      | (1) kW  | 3,32 | 3,00 | 2,11 | 3,60 | 3,24 | 2,29 | 5,45 | 5,03 | 3,50 | 6,10 | 5,59 | 3,80 | 6,74 | 6,02 | 4,49 | 7,40 | 6,62 | 4,79 | 7,59 | 7,22 | 5,27 | 8,67 | 8,25 | 5,81 |
| Water flow rate              | (1) l/h | 285  | 258  | 182  | 310  | 279  | 197  | 469  | 433  | 301  | 524  | 481  | 327  | 580  | 517  | 386  | 637  | 569  | 412  | 652  | 621  | 453  | 746  | 709  | 500  |
| Pressure drop                | (1) kPa | 15   | 12   | 7    | 19   | 16   | 9    | 18   | 15   | 8    | 21   | 18   | 9    | 22   | 18   | 11   | 15   | 12   | 7    | 23   | 21   | 12   | 21   | 19   | 10   |
| Heating capacity (45°C)      | (2) kW  | 1,65 | 1,49 | 1,05 | 1,79 | 1,61 | 1,14 | 2,71 | 2,5  | 1,74 | 3,03 | 2,78 | 1,89 | 3,35 | 2,99 | 2,23 | 3,68 | 3,29 | 2,38 | 3,77 | 3,59 | 2,62 | 4,31 | 4,1  | 2,89 |
| Water flow rate              | (2) l/h | 284  | 256  | 181  | 308  | 277  | 196  | 466  | 430  | 299  | 521  | 478  | 325  | 576  | 514  | 383  | 633  | 566  | 409  | 648  | 617  | 451  | 741  | 705  | 497  |
| Pressure drop                | (2) kPa | 14   | 12   | 6    | 18   | 15   | 8    | 17   | 15   | 8    | 20   | 17   | 9    | 21   | 17   | 10   | 15   | 12   | 7    | 22   | 20   | 12   | 21   | 19   | 10   |
| <b>Cooling Performance</b>   |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Total cooling capacity       | (3) kW  | 1,44 | 1,3  | 0,93 | 1,74 | 1,59 | 1,11 | 2,63 | 2,4  | 1,7  | 3    | 2,77 | 1,91 | 3,41 | 3,06 | 2,29 | 3,79 | 3,37 | 2,51 | 3,82 | 3,65 | 2,68 | 4,28 | 4,08 | 2,91 |
| Sensible cooling capacity    | (3) kW  | 1,18 | 1,14 | 0,74 | 1,36 | 1,23 | 0,83 | 2,03 | 1,86 | 1,27 | 2,16 | 1,99 | 1,34 | 2,52 | 2,24 | 1,66 | 2,73 | 2,42 | 1,76 | 2,83 | 2,7  | 1,94 | 3,09 | 2,94 | 2,07 |
| Water flow rate              | (3) l/h | 248  | 224  | 160  | 299  | 273  | 191  | 452  | 413  | 292  | 516  | 476  | 328  | 586  | 526  | 394  | 652  | 580  | 432  | 657  | 628  | 461  | 736  | 702  | 500  |
| Pressure drop                | (3) kPa | 15   | 13   | 8    | 21   | 17   | 9    | 18   | 16   | 8    | 25   | 21   | 11   | 22   | 18   | 11   | 20   | 16   | 11   | 24   | 22   | 13   | 23   | 21   | 12   |
| <b>Fans</b>                  |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Centrifugal Fans             | n°      | 1    |      |      |      |      |      | 2    |      |      |      |      |      | 2    |      |      |      |      |      | 2    |      |      |      |      |      |
| Air flow rate                | m³/h    | 254  | 226  | 148  | 254  | 226  | 148  | 446  | 404  | 263  | 446  | 404  | 263  | 559  | 487  | 346  | 559  | 487  | 346  | 627  | 592  | 400  | 627  | 592  | 400  |
| High static pressure         | Pa      | 63   | 50   | 21   | 63   | 50   | 21   | 61   | 50   | 21   | 61   | 50   | 21   | 66   | 50   | 25   | 66   | 50   | 25   | 56   | 50   | 22   | 56   | 50   | 22   |
| <b>Sound level</b>           |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Sound Power (Inlet+Radiator) | dB(A)   | 59   | 56   | 41   | 59   | 56   | 41   | 54   | 51   | 39   | 54   | 51   | 39   | 55   | 54   | 44   | 55   | 54   | 44   | 57   | 55   | 45   | 57   | 55   | 45   |
| Sound Power (Outlet)         | dB(A)   | 55   | 52   | 37   | 55   | 52   | 37   | 49   | 47   | 35   | 49   | 47   | 35   | 52   | 50   | 40   | 52   | 50   | 40   | 53   | 51   | 41   | 53   | 51   | 41   |
| <b>Hydraulic connections</b> |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>Main coil</b>             |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Standard                     | ∅       | 1/2" |      |      | /    |      |      | 3/4" |      |      | /    |      |      | 3/4" |      |      | /    |      |      | 3/4" |      |      | /    |      |      |
| Oversized                    | ∅       | /    |      |      | 1/2" |      |      | /    |      |      | 3/4" |      |      | /    |      |      | 3/4" |      |      | /    |      |      | 3/4" |      |      |

| FCZ SA PO                    |         | 600   |      |      | 650   |      |      | 700   |       |      | 750   |       |       | 900   |       |       | 950   |       |       |
|------------------------------|---------|-------|------|------|-------|------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Fan speed                    |         | H     | M    | L    | H     | M    | L    | H     | M     | L    | H     | M     | L     | H     | M     | L     | H     | M     | L     |
| <b>Hating Performance</b>    |         |       |      |      |       |      |      |       |       |      |       |       |       |       |       |       |       |       |       |
| <b>2 pipe systems</b>        |         |       |      |      |       |      |      |       |       |      |       |       |       |       |       |       |       |       |       |
| Heating capacity (70°C)      | (1) kW  | 10,00 | 8,55 | 6,86 | 11,51 | 9,72 | 7,63 | 10,52 | 10,10 | 8,77 | 12,09 | 11,65 | 10,02 | 14,45 | 13,80 | 11,81 | 16,00 | 15,07 | 12,43 |
| Water flow rate              | (1) l/h | 860   | 735  | 590  | 990   | 836  | 656  | 905   | 868   | 754  | 1040  | 1002  | 862   | 1242  | 1187  | 1016  | 1375  | 1296  | 1069  |
| Pressure drop                | (1) kPa | 26    | 20   | 13   | 31    | 23   | 15   | 27    | 25    | 19   | 16    | 15    | 12    | 20    | 18    | 14    | 29    | 26    | 19    |
| Heating capacity (45°C)      | (2) kW  | 4,97  | 4,25 | 3,41 | 5,72  | 4,83 | 3,79 | 5,23  | 5,02  | 4,36 | 6,01  | 5,79  | 4,98  | 7,18  | 6,86  | 5,87  | 7,95  | 7,49  | 6,18  |
| Water flow rate              | (2) l/h | 855   | 731  | 586  | 984   | 831  | 652  | 899   | 863   | 750  | 1034  | 996   | 856   | 1235  | 1180  | 1009  | 1367  | 1288  | 1063  |
| Pressure drop                | (2) kPa | 25    | 19   | 13   | 31    | 22   | 14   | 26    | 24    | 19   | 16    | 15    | 12    | 20    | 18    | 14    | 29    | 26    | 18    |
| <b>Cooling Performance</b>   |         |       |      |      |       |      |      |       |       |      |       |       |       |       |       |       |       |       |       |
| Total cooling capacity       | (3) kW  | 4,65  | 4,08 | 3,37 | 5,67  | 5,02 | 4,15 | 5,18  | 4,97  | 4,24 | 5,8   | 5,53  | 4,69  | 5,95  | 5,33  | 4,38  | 8,07  | 7,62  | 6,35  |
| Sensible cooling capacity    | (3) kW  | 3,92  | 3,34 | 2,7  | 4,12  | 3,6  | 2,93 | 4,02  | 3,83  | 3,24 | 4,41  | 4,2   | 3,53  | 4,73  | 4,11  | 3,11  | 5,4   | 5,08  | 4,2   |
| Water flow rate              | (3) l/h | 800   | 702  | 580  | 975   | 863  | 714  | 891   | 855   | 729  | 997   | 951   | 807   | 1023  | 917   | 753   | 1388  | 1310  | 1092  |
| Pressure drop                | (3) kPa | 26    | 21   | 15   | 28    | 22   | 16   | 28    | 26    | 19   | 17    | 15    | 11    | 17    | 14    | 10    | 27    | 24    | 17    |
| <b>Fans</b>                  |         |       |      |      |       |      |      |       |       |      |       |       |       |       |       |       |       |       |       |
| Centrifugal Fans             | n°      | 3     |      |      |       |      |      | 3     |       |      |       |       |       | 3     |       |       |       |       |       |
| Air flow rate                | m³/h    | 920   | 770  | 567  | 920   | 770  | 567  | 1050  | 978   | 785  | 1050  | 978   | 785   | 1050  | 978   | 785   | 1050  | 978   | 785   |
| High static pressure         | Pa      | 71    | 50   | 27   | 71    | 50   | 27   | 58    | 50    | 32   | 58    | 50    | 32    | 58    | 50    | 32    | 58    | 50    | 32    |
| <b>Sound level</b>           |         |       |      |      |       |      |      |       |       |      |       |       |       |       |       |       |       |       |       |
| Sound Power (Inlet+Radiator) | dB(A)   | 61    | 56   | 46   | 61    | 56   | 46   | 62    | 60    | 54   | 62    | 60    | 54    | 62    | 60    | 54    | 62    | 60    | 54    |
| Sound Power (Outlet)         | dB(A)   | 60    | 54   | 44   | 60    | 54   | 44   | 61    | 59    | 52   | 61    | 59    | 52    | 61    | 59    | 52    | 61    | 59    | 52    |
| <b>Hydraulic connections</b> |         |       |      |      |       |      |      |       |       |      |       |       |       |       |       |       |       |       |       |
| <b>Main coil</b>             |         |       |      |      |       |      |      |       |       |      |       |       |       |       |       |       |       |       |       |
| Standard                     | ∅       | 3/4"  |      |      | /     |      |      | 3/4"  |       |      | /     |       |       | 3/4"  |       |       | /     |       |       |
| Oversized                    | ∅       | /     |      |      | 3/4"  |      |      | /     |       |      | 3/4"  |       |       | /     |       |       | 3/4"  |       |       |

(1) Room air temperature 20°C d.b.; Water (in/out) 70°C/60°C;

(2) Room air temperature 20°C d.b.; Water (in/out) 45°C/40°C

(3) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7°C/12°C

Sound pressure level (A-weighted) measured indoors with volume V=85m<sup>3</sup>, reverberation time t = 0.5 s; Direction factor Q = 2; Distance r = 2.5m

## TECHNICAL DATA UNIT FOR 4 PIPE SYSTEMS (WITH MAIN + SUPPLEMENTARY COIL)

| FCZ SA PO                    |      |       | 201  |      |      | 301  |      |      | 401  |      |      |
|------------------------------|------|-------|------|------|------|------|------|------|------|------|------|
| Fan speed                    |      |       | H    | M    | L    | H    | M    | L    | H    | M    | L    |
| <b>Heating Performance</b>   |      |       |      |      |      |      |      |      |      |      |      |
| <b>4 pipe systems</b>        |      |       |      |      |      |      |      |      |      |      |      |
| Heating capacity (65°C)      | (1)  | kW    | 1,48 | 1,37 | 1,06 | 2,55 | 2,39 | 1,82 | 2,99 | 2,75 | 2,19 |
| Water flow rate              | (1)  | l/h   | 127  | 118  | 91   | 219  | 206  | 156  | 257  | 236  | 188  |
| Pressure drop                | (1)  | kPa   | 9    | 8    | 5    | 13   | 12   | 8    | 8    | 7    | 5    |
| <b>Cooling Performance</b>   |      |       |      |      |      |      |      |      |      |      |      |
| Total cooling capacity       | (2)  | kW    | 1,44 | 1,31 | 0,93 | 2,63 | 2,44 | 1,70 | 3,41 | 3,06 | 2,29 |
| Sensible cooling capacity    | (2)  | kW    | 1,18 | 1,07 | 0,74 | 2,03 | 1,86 | 1,27 | 2,52 | 2,24 | 1,66 |
| Water flow rate              | (2)  | l/h   | 248  | 225  | 160  | 452  | 420  | 292  | 586  | 526  | 394  |
| Pressure drop                | (2)  | kPa   | 15   | 13   | 7    | 18   | 16   | 8,5  | 22   | 18   | 11   |
| <b>Fans</b>                  |      |       |      |      |      |      |      |      |      |      |      |
| Centrifugal Fans             | n°   |       | 1    |      |      | 2    |      |      | 2    |      |      |
| Air flow rate                | m³/h |       | 254  | 226  | 148  | 446  | 404  | 263  | 559  | 487  | 346  |
| High static pressure         | Pa   |       | 63   | 50   | 21   | 61   | 50   | 21   | 66   | 50   | 25   |
| <b>Sound level</b>           |      |       |      |      |      |      |      |      |      |      |      |
| Sound Power (Inlet+Radiator) |      | dB(A) | 59   | 56   | 41   | 54   | 51   | 39   | 55   | 54   | 44   |
| Sound Power (Outlet)         |      | dB(A) | 55   | 52   | 37   | 49   | 47   | 35   | 52   | 50   | 40   |
| <b>Hydraulic connections</b> |      |       |      |      |      |      |      |      |      |      |      |
| Main coil                    |      | Ø     | 1/2" |      |      | 3/4" |      |      | 3/4" |      |      |
| Additional coil              |      | Ø     | 1/2" |      |      | 1/2" |      |      | 1/2" |      |      |

| FCZ SA PO                    |      |       | 501  |      |      | 601  |      |      | 701  |      |      | 901  |      |      |
|------------------------------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| Fan speed                    |      |       | H    | M    | L    | H    | M    | L    | H    | M    | L    | H    | M    | L    |
| <b>Heating Performance</b>   |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| <b>4 pipe systems</b>        |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| Heating capacity (65°C)      | (1)  | kW    | 3,34 | 3,30 | 2,59 | 4,35 | 3,85 | 3,13 | 4,60 | 4,40 | 4,13 | 5,77 | 5,71 | 5,16 |
| Water flow rate              | (1)  | l/h   | 287  | 284  | 223  | 374  | 331  | 269  | 396  | 378  | 355  | 496  | 491  | 444  |
| Pressure drop                | (1)  | kPa   | 9    | 8    | 5    | 16   | 13   | 9    | 16   | 15   | 15   | 12   | 12   | 10   |
| <b>Cooling Performance</b>   |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| Total cooling capacity       | (2)  | kW    | 3,82 | 3,65 | 2,68 | 4,65 | 4,08 | 3,37 | 5,18 | 4,97 | 4,24 | 5,95 | 5,33 | 4,38 |
| Sensible cooling capacity    | (2)  | kW    | 2,83 | 2,70 | 1,94 | 3,92 | 3,34 | 2,70 | 4,02 | 3,83 | 3,24 | 4,73 | 4,11 | 3,11 |
| Water flow rate              | (2)  | l/h   | 657  | 628  | 461  | 800  | 702  | 580  | 891  | 855  | 729  | 1023 | 917  | 753  |
| Pressure drop                | (2)  | kPa   | 24   | 22   | 13   | 26   | 21   | 15   | 28   | 26   | 19,5 | 17   | 14   | 10   |
| <b>Fans</b>                  |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| Centrifugal Fans             | n°   |       | 2    |      |      | 3    |      |      | 3    |      |      | 3    |      |      |
| Air flow rate                | m³/h |       | 627  | 592  | 400  | 920  | 770  | 567  | 1050 | 978  | 785  | 1050 | 978  | 785  |
| High static pressure         | Pa   |       | 56   | 50   | 22   | 71   | 50   | 27   | 58   | 50   | 32   | 58   | 50   | 32   |
| <b>Sound level</b>           |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| Sound Power (Inlet+Radiator) |      | dB(A) | 57   | 55   | 45   | 61   | 56   | 46   | 62   | 60   | 54   | 62   | 60   | 54   |
| Sound Power (Outlet)         |      | dB(A) | 53   | 51   | 41   | 60   | 54   | 44   | 61   | 59   | 52   | 61   | 59   | 52   |
| <b>Hydraulic connections</b> |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| Main coil                    |      | Ø     | 3/4" |      |      | 3/4" |      |      | 3/4" |      |      | 3/4" |      |      |
| Additional coil              |      | Ø     | 1/2" |      |      | 1/2" |      |      | 1/2" |      |      | 1/2" |      |      |

(1) Room air temperature 20°C d.b.; Water (in/out) 65°C/55°C;

(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7°C/12°C

Sound pressure level (A-weighted) measured indoor with volume V=85m3, reverberation time t = 0.5 s; Direction factor Q = 2; Distance r = 2.5m

## DIMENSIONS AND WEIGHTS

| FCZ SA P / PO                      | 100 | 101  | 102 | 150 | 200 | 201  | 202 | 250 | 300 | 301  | 302 | 350 | 400 | 401  | 402 | 450 | 500  | 501  | 502 | 550  |    |
|------------------------------------|-----|------|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|-----|-----|------|------|-----|------|----|
| <b>Dimensions for all versions</b> |     |      |     |     |     |      |     |     |     |      |     |     |     |      |     |     |      |      |     |      |    |
| A                                  | mm  | 216  |     |     |     | 216  |     |     |     | 216  |     |     |     | 216  |     |     |      | 216  |     |      |    |
| B                                  | mm  | 412  |     |     |     | 522  |     |     |     | 753  |     |     |     | 973  |     |     |      | 973  |     |      |    |
| C                                  | mm  | 453  |     |     |     | 453  |     |     |     | 453  |     |     |     | 453  |     |     |      | 453  |     |      |    |
| D                                  | mm  | 452  |     |     |     | 562  |     |     |     | 793  |     |     |     | 1013 |     |     |      | 1013 |     |      |    |
| Weight                             | kg  | 12   | 12  | 13  | 13  | 12   | 13  | 14  | 14  | 14   | 15  | 16  | 16  | 20   | 21  | 22  | 22   | 23   | 23  | 24   | 24 |
| FCZ SA P / PO                      | 600 | 601  | 602 | 650 | 700 | 701  | 702 | 750 | 800 | 801  | 802 | 850 | 900 | 901  | /   | 950 | 1000 | 1001 | /   | 1050 |    |
| <b>Dimensions for all versions</b> |     |      |     |     |     |      |     |     |     |      |     |     |     |      |     |     |      |      |     |      |    |
| A                                  | mm  | 216  |     |     |     | 216  |     |     |     | 216  |     |     |     | 216  |     |     |      | 216  |     |      |    |
| B                                  | mm  | 1122 |     |     |     | 1122 |     |     |     | 1122 |     |     |     | 1122 |     |     |      | 1122 |     |      |    |
| C                                  | mm  | 453  |     |     |     | 453  |     |     |     | 453  |     |     |     | 558  |     |     |      | 558  |     |      |    |
| D                                  | mm  | 1147 |     |     |     | 1147 |     |     |     | 1147 |     |     |     | 1147 |     |     |      | 1147 |     |      |    |
| Weight                             | kg  | 29   | 30  | 31  | 31  | 26   | 27  | 28  | 28  | 26   | 27  | 28  | 28  | 32   |     |     |      | 32   |     |      |    |

