Ducted Fan Coils DF
Technical Specifications

1. General Requirements
Low static pressure ducted fan coils Konveka DF or equivalent, designed for heating and cooling applications. Maximum external static pressure – up to 50 Pa.

2. Casings
Casings are manufactured from galvanized steel. Internal casing insulation made of non-combustible thermal and acoustic insulation material. Service openings provided for filter and fan maintenance. Integrated condensate drain tray with drain connection fitting.

3. Fans
Double inlet centrifugal fans with EC type motors. Fans shall be dynamically balanced and protected against vibration transmission to the casing.

4. Filters
Washable synthetic air filters supplied as standard. Filters shall be easily removable for maintenance.

5. Controls
Fan coils shall be supplied with control units and provision for connection of wall-mounted controllers and integration into building management systems (BMS).

6. Heat Exchangers
Heat exchangers are manufactured from copper tubes and aluminium fins. Factory test pressure – 30 bar, maximum allowable working pressure – 25 bar. Heat exchangers are equipped with air vents.

7. Condensate Collection
Integrated thermally insulated condensate drain tray with drain connection fitting. Provision for condensate pump connection.

8. Bill of Quantities Description
Low static pressure ducted fan coils Konveka DF or equivalent, designed for heating and cooling, with:
- galvanized steel casings;
- internal thermal and acoustic insulation;
- double inlet centrifugal fans;
- EC type fan motors;
- 0–10 V fan control;
- washable air filters;
- possibility to connect wall-mounted controllers;
- possibility to integrate into BMS systems;
- copper–aluminium heat exchangers;
- integrated thermally insulated condensate drain tray;
- maximum external static pressure up to 50 Pa;
- maximum allowable working pressure 25 bar;
- all fixing accessories required for installation.

The heating and cooling capacities of the units shall be certified by an independent accredited laboratory according to European standards EN 14511 and EN 1397.