



Air Conditioning Systems Floor-mounted Fan Coil Unit Type VKB

LTG floor-mounted fan coils for heating, cooling, ventilation and de/humidification for hotels and office buildings with strict acoustic requirements. The fan coils are available as two- and four-pipe air conditioning units and in different sizes. LTG Aktiengesellschaft also offers various versions.

Views of unit



LTG fan coil unit type VKB - with fresh air supply up to 200 m³/h



LTG fan coil unit type VKB - low height version 122 or 130 mm



LTG fan coil unit type VKB - installation example

Features

- High-efficiency EC and AC motors with very low power consumption.
- Optimized component arrangement of fan and large-area heat exchanger for high performance (30 - 75 W_{th}/W_{el}) at low sound level.
- Heat exchanger for efficient room heating by natural convection.
- Quiet running and low sound levels by vibration damped tangential fans and low-noise slide bearings.
- Fan with maintenance free, low-noise slide bearings for long durability.
- Air baffle elements for an optimized and patented LTG mixed/displacement flow, adjustable for different room geometries and varying room loads.
- High efficiency by integration of a supply air diffuser.
- High flexibility: versions with all air treatment functions like de/humidification, ventilation and electric heating.
- Closed housing made of 1.5 or 2.5 mm sheet steel, to avoid sound propagation into adjacent rooms.
- Easy maintenance and cleaning via removable air grille.
- Unit can also be adapted to difficult installation conditions.
- Infinitely variable height for installation in false floors of low height.
- Combined air inlet / air outlet grille not requiring any additional return air grilles.
- Flow technology optimised stainless steel or aluminium ventilation grille, foot traffic resistant without need for any additional supporting cross members.
- High cross-talk attenuation, no sound transmission via false floors into adjacent rooms.
- Complete range of LTG accessories, among others control units, valves, flexible tubes etc.
- Optional: special version type VKB-E with insulated condensate tray for condensing operation.