

Silent H-1 Acoustic Enclosure for Heat Pumps / Air Conditioning Systems / Mini VRV/VRF units

Acoustic Enclosure for heat pumps / air conditioning systems / Mini VRV/VRF systems with horizontal air flow.



Sound reduction down to 17 -20 dB(A) through targeted air flow in combination with insulation to prevent masking effects and reflected sound.

Sound hoods standard model for systems with 1 axial fan and a maximum air volume of 2,500 m³ / h (= systems with 4 to 6 kW)

Service doors around the systems / "plenum sheets" to prevent an air short circuit. Depending on the situation, the air inlet and air inlet openings can be placed around the system, which means that several systems can be set up in a row (cascade) without creating an air short circuit.

Material Aluminum system profiles with a thickness of 5 cm, aluminum panels with powder coating in RAL color of your choice, with a thickness of 1.5 mm with internal weather-resistant insulation with a thickness of 40 mm.

Sound insulation in the inside of the service doors is equipped with sound insulation based on sound-absorbing polyethylene foam sheets with a thickness of 40 mm.

Due to its sound-absorbing properties, this foam is one of the most innovative materials for sound control in industry. The material is water, UV and dimensionally stable and does not build up bacteria (fungi) and is completely recyclable.

Thanks to the numerous certifications, the panels can be used in the following areas: construction, industry, rail vehicles, automotive, electronics, shipping,

ducting and air conditioning. «FR version» of this sound insulation is flame retardant.

Size of the acoustic hood

External dimensions: 1500 x 1000 x 1000 mm (L x W x H)

Internal dimensions: 1400 x 900 x 900 mm (L x W x H)

Maximum system size

External dimensions: 950 x 420 x 850 mm (L x W x H)

Air Volume

Maximum air volume Heat pumps: 2500 m³ / h

Air conditioning systems: 2000 m³ / h

VRF / VRV systems: 2000 m³ / h

Pressure loss through the acoustic hood approx. 13 Pascal

Color at your choice within the entire RAL color palette at no extra charge.

Material

Made entirely of aluminum isolation 40 mm thick, fire class disposal

All components are recyclable

Delivery assembled

Recommended foundation size

1500 x 1000 mm W x D with a thickness of 100 mm