



Low Sound Enclosure – For Sky Air and VRV 5

Noise control of HVAC equipment is critical especially in urban areas. Because it is expected that conditions for sound will become more strict in the future, Daikin has developed a new sound enclosure for Sky Air and VRV 5.

Application and Target Group

The sound enclosure is ideal for acoustic consultants and specifying engineers who have to manage noise of HVAC equipment in order to meet local sound regulations. The enclosure can also be used for hotels, hospitals and projects located in noise-sensitive areas such as city centres. Schools, universities and any refurbishment can also benefit from sound reducing HVAC equipment.

Specifications

Please note below the technical information for Sky Air Alpha, Sky Air Advance and VRV 5 series.

Specifications	EKLN140A
Height	1100 mm
Width	1400 mm
Depth	1500 mm
Net weight	152kg
Sound reduction	-10 dB(A)*
Colour	Sheet metal casing: anthracite

Table 1 Specification at nominal conditions

*Excluding VAT.



Figure 2 Exploded 3D rendering



Figure 1 Low Sound Enclosure

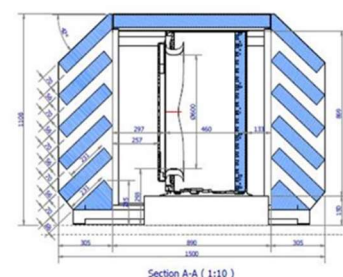


Figure 3 Low Sound Enclosure cross-section

Range	Outdoor	Cooling	Heating
Sky Air Alpha	RZAG71NV1/Y1	-9dB(A)	-7dB(A)
	RZAG100NV1/Y1	-8dB(A)	-8dB(A)
	RZAG125NV1/Y1	-10dB(A)	-10dB(A)
	RZAG140NV1/Y1	-9dB(A)	-9dB(A)
Sky Air Advance	RZA200D	-7dB(A)	-5dB(A)
	RZA250D	-6dB(A)	-5dB(A)
VRV 5 S Series	RXYSA4AV1/Y1	-7dB(A)	-7dB(A)
	RXYSA5AV1/Y1	-8dB(A)	-9dB(A)
	RXYSA6AV1/Y1	-8dB(A)	-9dB(A)

Table 2 Sound power reduction at nominal conditions



Figure 4 Low Sound Enclosure with Sky Air Alpha outdoor unit

Sky Air Advance and VRV 5 S Series

Because the Sky Air Advance Class 200-250 and VRV 5 S outdoor units share the same chassis, the sound enclosure also fits these condensers. The test results from the RZAG-N can be applied to the RZA-D and RXYSA.

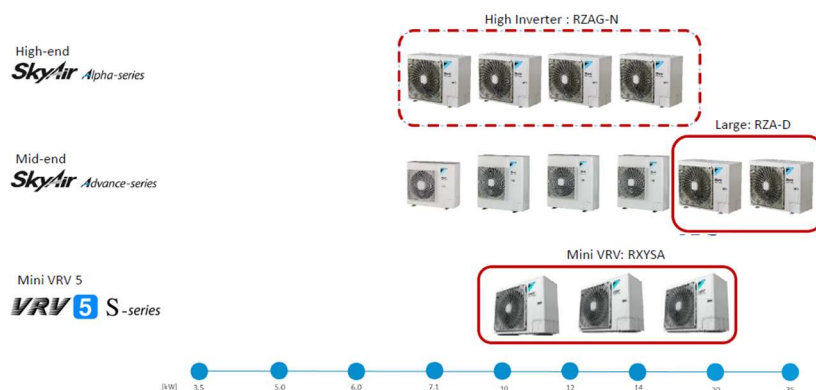


Figure 2 Sky Air + Mini VRV

Accessories

The sound enclosure can also be equipped with a drain pan or a drain pan heater tape.

Accessory	Description
EKLN140-DP	Drain pan
EKLN140-DPHT	Drain pan heater tape

Table 3 Accessories

Drain pan

The drain pan is needed if the installation is on a solid surface (not a permeable underground like grass or gravel) and defrost water needs to be drained off through a hose. Alternatively, the drain pan is needed when a heater tape is fitted.

Drain pan heater tape

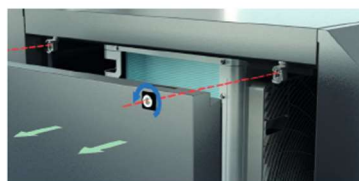
The drain pan heater tape is useful for ambient conditions below freezing point (0°C) with high relative humidity. Because it is controlled by ambient temperatures, a separate power supply is needed. The drain



pan heater EKLN140-DPHT is to be used in cold conditions (see above) and not to be replaced by the bottom plate heater available for the outdoor units.

Features and benefits

- ✓ Fully optimised and tested at Daikin factory
 - **Guaranteed** and published **performances** in combination with this enclosure (sound, capacity, efficiency)
- ✓ Outdoor unit sound reduction up to – 10dB(A) on Sound Power values
 - Helps meet local sound requirements
 - Increased **flexibility** to apply Sky air and Mini VRV products
 - Reduces sound on the entire sound spectrum
- ✓ Very **limited capacity impact**
 - Separated air intake and discharge to prevent short circuit
 - No additional calculations needed due to the officially tested data
- ✓ Easy to integrate
 - Anthracite (RAL7016) high **aesthetic finishing**
 - Mechanically designed to **perfectly suit casing**
 - Self-supporting, can be installed on any flat surface
- ✓ **Fast & easy installation & servicing**
 - 100% weather resistant
 - Easy opening to reach unit



Access point

Availability

The new low sound enclosure will be available from end of May 2021.

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