

FHD

### Benefits

- Energy efficient EC fans.
- Less noise for all applications.
- New structure in highly resistant synthetic material.
- Great flexibility thanks to two-speed fan.
- Two-year product guarantee.
- Easy access to on-line product information.

### General information & application

FHD is the range of dual discharge commercial unit coolers from LU-VE Exchangers, for general application in small to medium-sized cooling, freezing and working rooms. Low air velocity and noise level make them especially suitable for refrigerated working and processing rooms. Dedicated ranges for A2L refrigerants (SFHD), CO<sub>2</sub> and brine.

Refrigerants



Capacity range (SC2 with R404)  
Air quantity

1,470 up to 14,570 W  
1,400 up to 8,000 m<sup>3</sup>/h

### Coil

The very high-efficiency TURBOCOIL<sup>®</sup> heat exchangers have the best power/cost ratio obtainable.

- High-efficiency TURBOFIN<sup>®</sup> aluminum fins with special configuration of the louvre profile to reduce dehumidification and frost formation.
- High-efficiency small-diameter copper tubes with internal helical grooving, designed for optimal evaporation of the new refrigerant fluids.

Standard fin spacings 3, 4.5 and 7 mm.

### Casing

Newly designed, highly resistant casing in reinforced synthetic "Safeshell" material. Dismountable and openable casing for cleaning and inspecting purposes.

### Fan motors

1 to 4 fans fitted with EC fan motors available in two fan speeds (noise levels):

- S = High Speed (1100 RPM)
- L = Low Speed (870 RPM)

From 1 to 4 fans Ø 350 mm. Power supply 230/1/50-60. Fan motors wired to connection box.

### Options

- Electric defrost (E).  
The stainless steel defrost elements are connected to dedicated terminal box.
- EC fan motor with 0–10 V control input (0-10).
- Pre-coated aluminium fins (AP).

### Selection

Selection and pricing is to be performed with our air heat exchanger selection software Refriger.

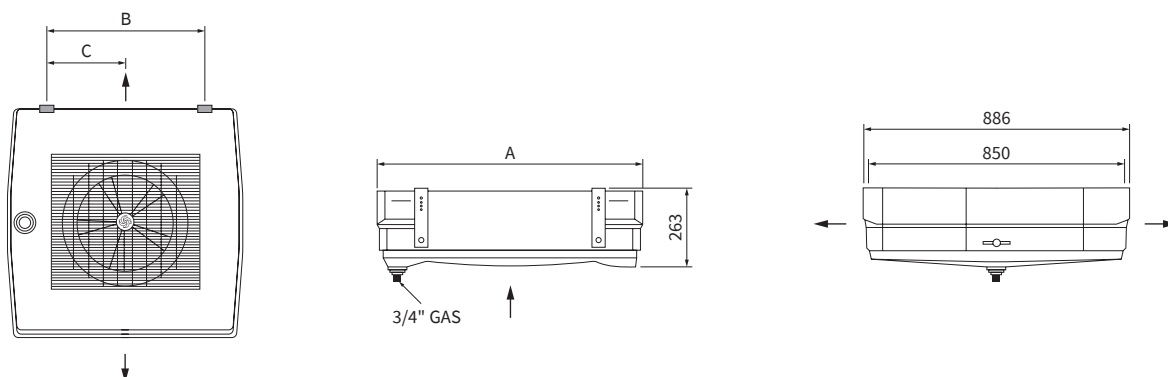
Selection output includes all relevant technical data and dimensional drawings.



# FHD

Dual discharge unit coolers for cold rooms

## Dimensions



Model	No. fans	Fin spacing (mm)	Capacity* (W)		Capacity SC2 (W)		Air quantity (m <sup>3</sup> /h)		Air throw (m)		A (mm)	B (mm)	C (mm)
			S	L	S	L	S	L	S	L			
711-3	1	3.0	3800	3350	2800	2470	1800	1400	11	8	888	596	-
712-3	1	3.0	5350	4550	3940	3350	1800	1400	11	8	888	596	-
721-3	2	3.0	7650	6750	5630	4970	3600	2800	12	10	1443	1151	-
722-3	2	3.0	10750	9150	7910	6730	3600	2800	12	10	1443	1151	-
732-3	3	3.0	15900	13650	11700	10050	5400	4200	14	11	1998	1706	-
742-3	4	3.0	19800	17300	14570	12730	7200	5500	15	11	2553	2261	1130
811-4	1	4.5	3100	2750	2280	2020	1900	1500	11	9	888	596	-
812-4	1	4.5	4550	4000	3350	2940	1900	1500	11	9	888	596	-
821-4	2	4.5	6200	5500	4560	4050	3800	2900	13	10	1443	1151	-
822-4	2	4.5	9100	7950	6700	5850	3800	2900	13	10	1443	1151	-
832-4	3	4.5	13750	12050	10120	8870	5700	4400	14	11	1998	1706	-
842-4	4	4.5	17650	15600	12990	11480	7600	5900	15	12	2553	2261	1130
911-7	1	7.0	2200	2000	1620	1470	2000	1600	12	9	888	596	-
912-7	1	7.0	3450	3050	2540	2240	2000	1600	12	9	888	596	-
921-7	2	7.0	4400	4000	3240	2940	4000	3100	14	11	1443	1151	-
922-7	2	7.0	6850	6100	5040	4490	4000	3100	14	11	1443	1151	-
932-7	3	7.0	10550	9350	7760	6880	6000	4700	15	12	1998	1706	-
942-7	4	7.0	13900	12400	10230	9130	8000	6200	16	13	2553	2261	1130

\* Fluid R404A, TC =2.5 °C ΔT 1= 10 K

## Certifications

The LU-VE Exchangers quality system is in accordance with ISO 9001. All products are manufactured according to PED regulations. LU-VE Group participates in the ECP program for HE. Check ongoing validity of certificate:

[www.eurovent-certification.com](http://www.eurovent-certification.com)



## Code description

<b>FHD</b>	<b>732</b>	<b>E</b>	<b>3</b>
1	2	3	4

- 1 F=Future, H=Casing "Safeshell", D=Dual discharge
- 2 Model type
- 3 E=Electric defrost, N=Air defrost,
- 4 Fin spacing: 3=3.0 mm, 4=4.5 mm, 7=7.0 mm

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LU-VE Exchangers reserves the right to change specifications without prior notification.

