

UVERS DX unit heaters for use with heat pumps

UVERS DX unit heaters are suitable to work alongside air-to-air heat pumps. Thanks to the reversible system, they can also fulfil a cooling function. The unit heaters are designed for heating and cooling areas such as factory floors, workshops, warehouses, showrooms, sports and entertainment halls, etc.

DESCRIPTION

PRODUCT DESCRIPTION

UVERS DX unit heaters are available in two sizes. The unit heater consists of: – axial fan with AC or EC single phase motor; – high-efficiency 3-row fin coil suitable for use with heat pumps in a two-pipe reversible system; – casing made of coated steel sheet; – air outlet grille with adjustable blades allowing to set the direction of discharge air. Accessories: – specially designed wall mounting bracket that allows the position of the unit heater to be adjusted at an angle of ± 45° in the horizontal plane and at an angle of 25° in the vertical plane; – drip tray for collecting the condensate generated during the cooling process.

OPERATING CONDITIONS

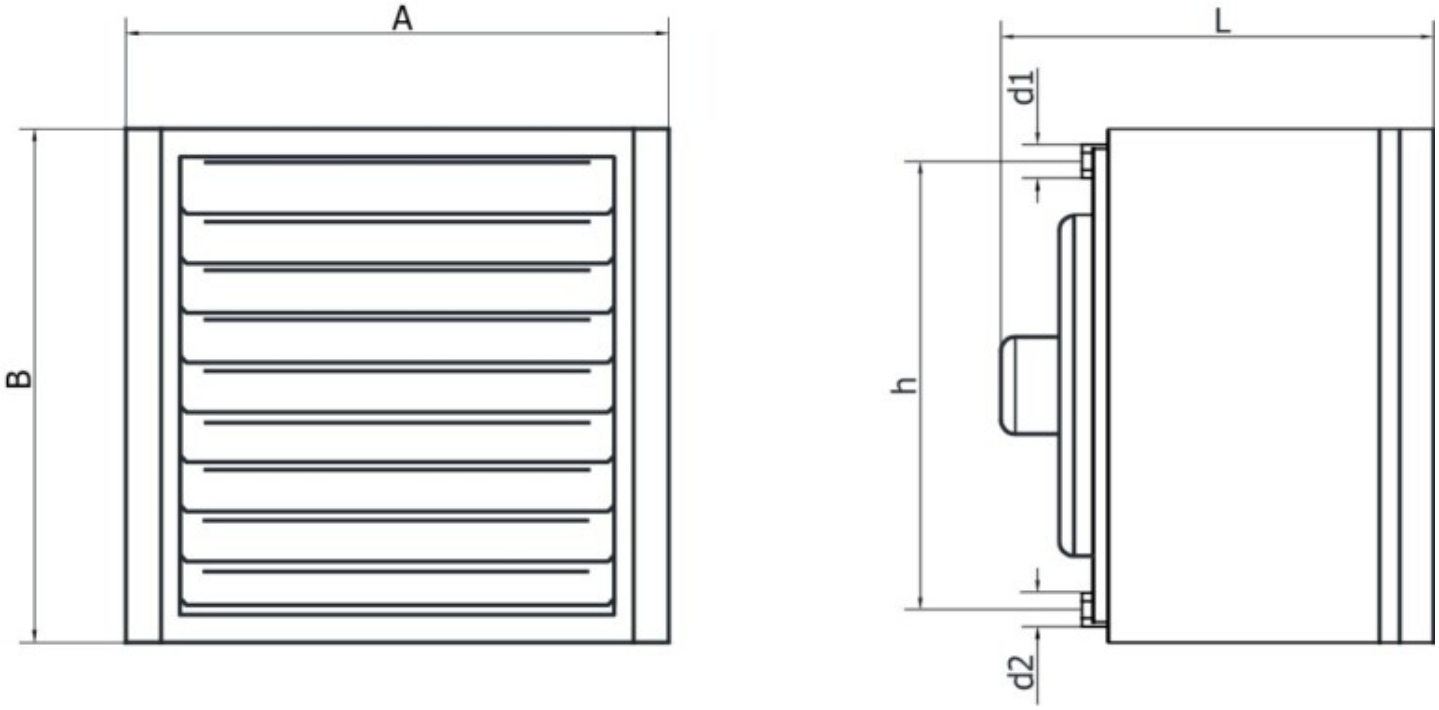
UVERS DX units can use R410A refrigerant; working pressure up to 4.2MPa

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UVERS DX-1-III-AC

DIMENSIONS



Dimensions					
A[mm]	B[mm]	h[mm]	L[mm]	d1	d2
556	527	460	445	12	22

AC fan parameters	
Supply voltage [V]	230
Motor power [W]	140
Current [A]	0,65
Speed [min-1]	1400
IP	54
Operating temperature	60°C

Heating capacity

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Number of coil rows		III			
Air flow [m³/h]		1900		1700	
Heating capacity [kW] and air outlet temperature [°C]					
Condensation temp. [°C]	**Air inlet temperature [ºC]**	**kW**	**°C**	**kW**	**°C**
45	**14**	11,6	32	10,8	32
	16	10,7	32	10,0	33
	18	9,8	33	9,1	34
	20	9,0	34	8,3	34
40	**14**	9,3	28	8,6	29
	16	8,4	29	7,8	29
	18	7,5	30	7,0	30
	20	6,7	30	6,2	31

Cooling capacity					
Number of coil rows		III			
Air flow [m³/h]		1900		1700	
Cooling capacity [kW] and air outlet temperature [°C]					
Evaporation temp. [°C]	**Air inlet temperature [°C]**	**kW**	**°C**	**kW**	**°C**
6	**28**	7,5	18	7,2	17
	25	6,2	16	5,9	15
	22	5,1	14	4,8	14
8	**28**	6,6	18	6,2	18
	25	5,4	17	5,1	16
	22	4,3	15	4,1	15

Noise level [dB(A)]	
Noise level — sound pressure level taking into account the sound absorption in the room A=100m2 and directivity factor Q=2 at a distance of 5 m	53
Unit weight	
Weight [kg]	29

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