



## 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.

### PRODUCT DESCRIPTION

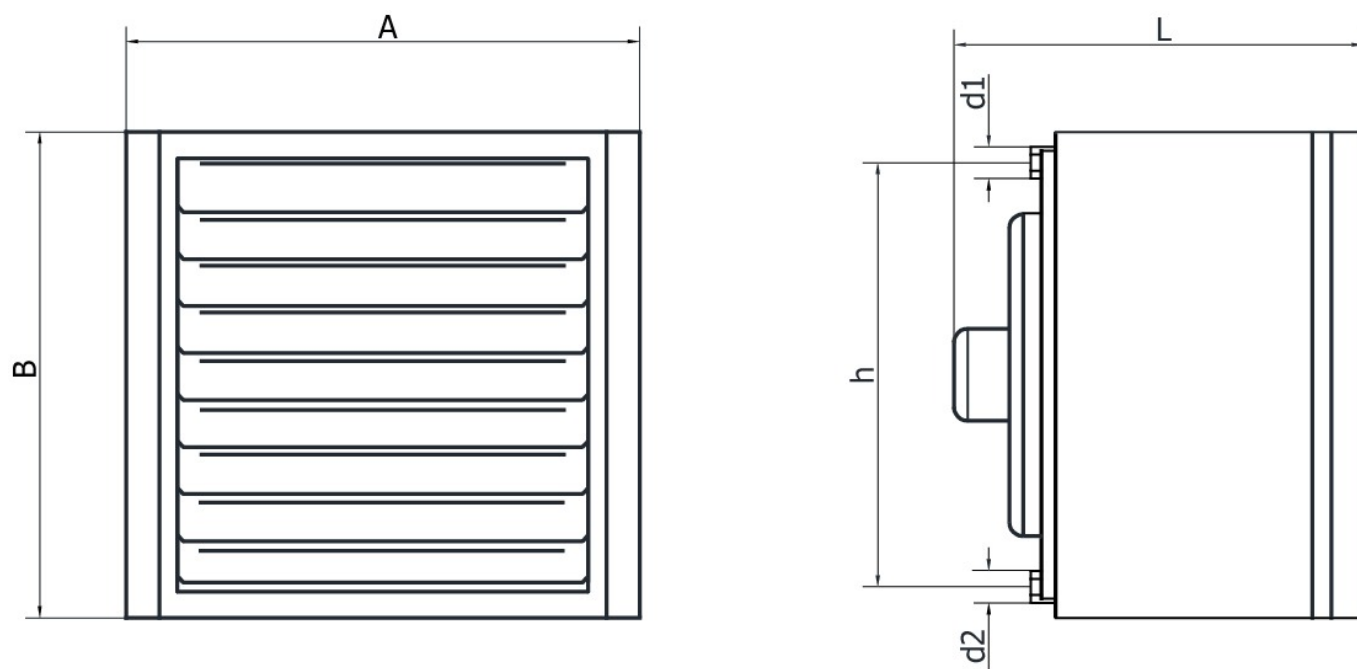
UVERS DX unit heaters are available in two sizes. The unit heater consists of: – axial fan with AC or EC single phase motor; – high-efficiency 3-row fin coil suitable for use with heat pumps in a two-pipe reversible system; – casing made of coated steel sheet; – air outlet grille with adjustable blades 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  $\pm 45^\circ$  in the horizontal plane and at an angle of  $25^\circ$  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

## UVERS DX-1-III-EC

### DIMENSIONS



Dimensions					
A[mm]	B[mm]	h[mm]	L[mm]	d1	d2
556	527	460	350	12	22

EC fan parameters	
Supply voltage [V]	230
Motor power [W]	140
Current [A]	1,45
Speed [min-1]	1160
IP	54
Operating temperature	40°C

Heating capacity	
Number of coil rows	III

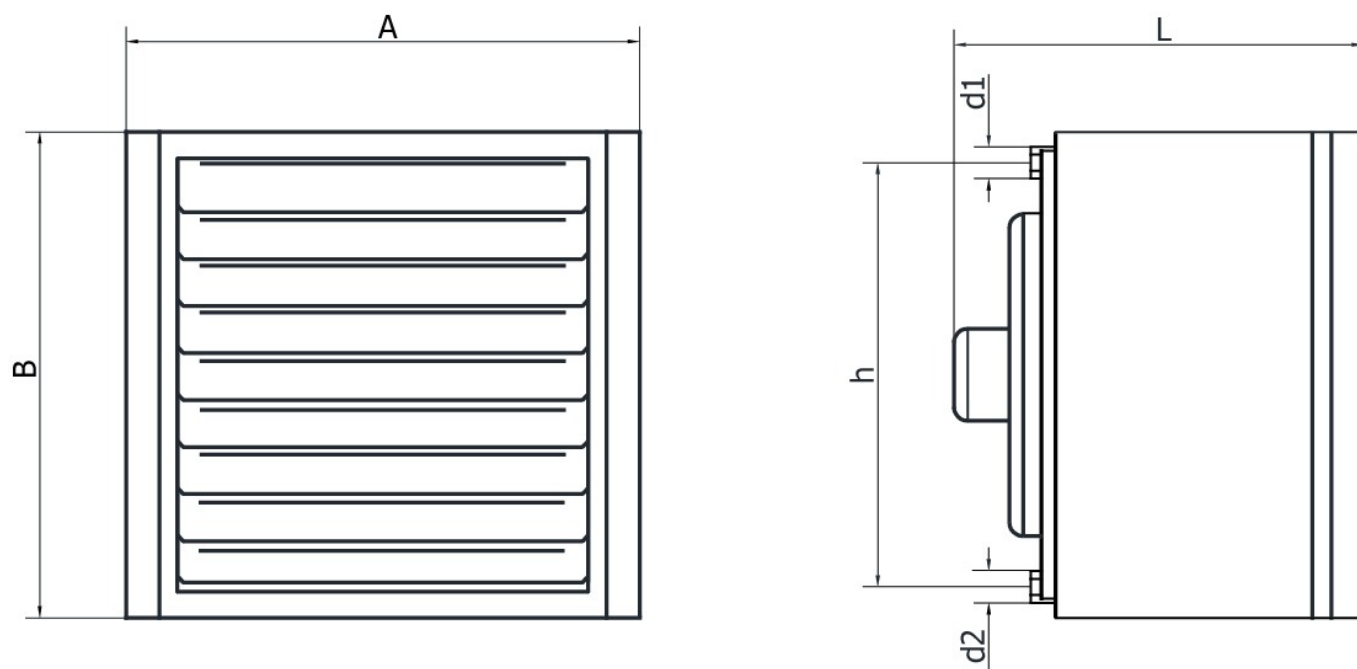
Air flow [m³/h]			2150		1700	
Heating capacity [kW] and air outlet temperature [°C]						
Condensation temp. [°C]	Air inlet temperature [°C]	kW	°C	kW	°C	
45	14	12,5	31	10,8	32	
	16	11,6	32	10,0	33	
	18	10,6	32	9,1	34	
	20	9,7	33	8,3	34	
40	14	10,0	28	8,6	29	
	16	9,0	28	7,8	29	
	18	8,1	29	7,0	30	
	20	7,2	30	6,2	31	

Cooling capacity					
Number of coil rows			III		
Air flow [m³/h]			2150	1700	
Cooling capacity [kW] and air outlet temperature [°C]					
Evaporation temp. [°C]	Air inlet temperature [°C]	kW	°C	kW	°C
6	28	8,0	18	7,2	17
	25	6,6	16	5,9	15
	22	5,4	15	4,8	14
8	28	7,0	19	6,2	18
	25	5,7	17	5,1	16
	22	4,6	16	4,1	15

Noise level [dB(A)]	
Noise level — sound pressure level taking into account the sound absorption in the room A=100m <sup>2</sup> and directivity factor Q=2 at a distance of 5 m	56
Unit weight	
Weight [kg]	27

## UVERS DX-2-III-EC

### DIMENSIONS



Dimensions					
A[mm]	B[mm]	h[mm]	L[mm]	d1	d2
677	686	620	423	12	28

EC fan parameters	
Supply voltage [V]	230
Motor power [W]	332
Current [A]	2,16
Speed [min-1]	1300
IP	54
Operating temperature	70°C

Heating capacity	
Number of coil rows	III

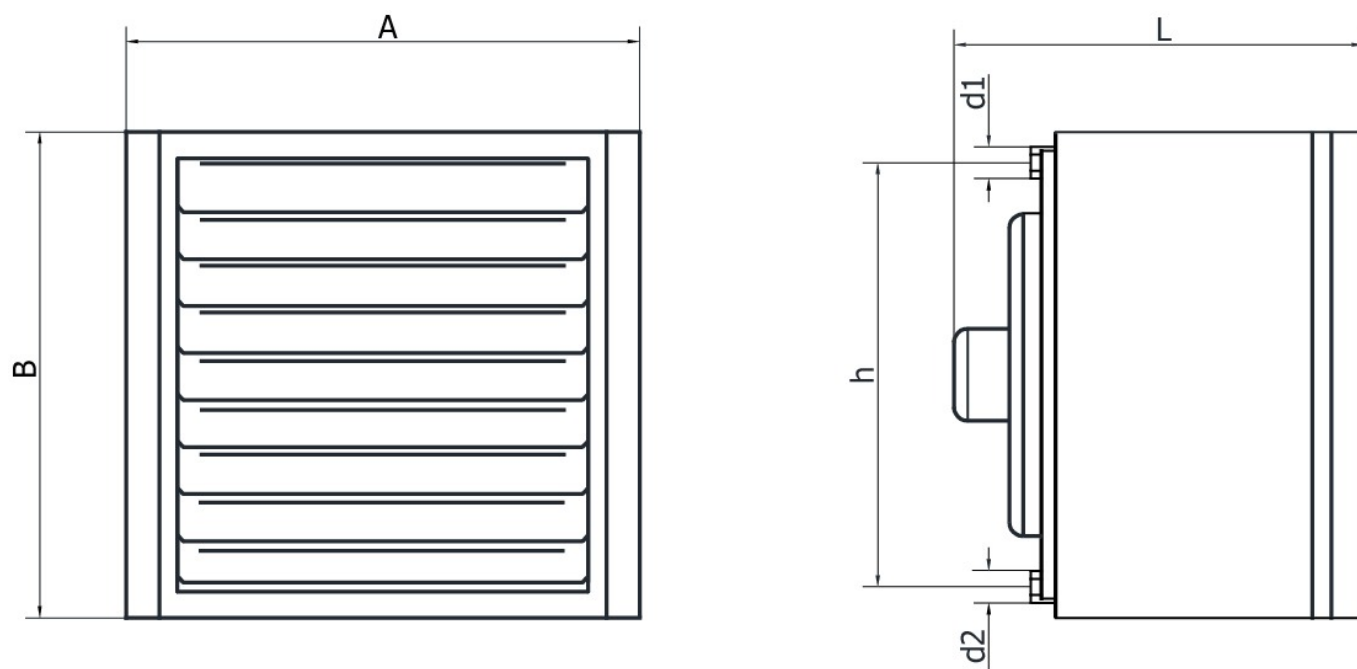
Air flow [m³/h]				5450	3200
Heating capacity [kW] and air outlet temperature [°C]					
Condensation temp. [°C]	Air inlet temperature [°C]	kW	°C	kW	°C
45	14	26,5	28	19,3	32
	16	24,4	29	17,8	32
	18	22,4	30	16,3	33
	20	20,3	31	14,8	33
40	14	20,9	25	15,3	28
	16	18,9	26	13,8	29
	18	16,8	27	12,4	29
	20	14,8	28	10,9	30

Cooling capacity					
Number of coil rows		III			
Air flow [m³/h]		5450	3200		
Cooling capacity [kW] and air outlet temperature [°C]					
Evaporation temp. [°C]	Air inlet temperature [°C]	kW	°C	kW	°C
6	28	16,4	19	11,2	18
	25	13,7	18	10,5	16
	22	11,1	16	8,6	14
8	28	14,5	20	11,2	18
	25	11,9	19	9,2	17
	22	9,4	17	7,3	15

Noise level [dB(A)]	
Noise level — sound pressure level taking into account the sound absorption in the room A=100m <sup>2</sup> and directivity factor Q=2 at a distance of 5 m	64
Unit weight	
Weight [kg]	54

## 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	
Number of coil rows	III

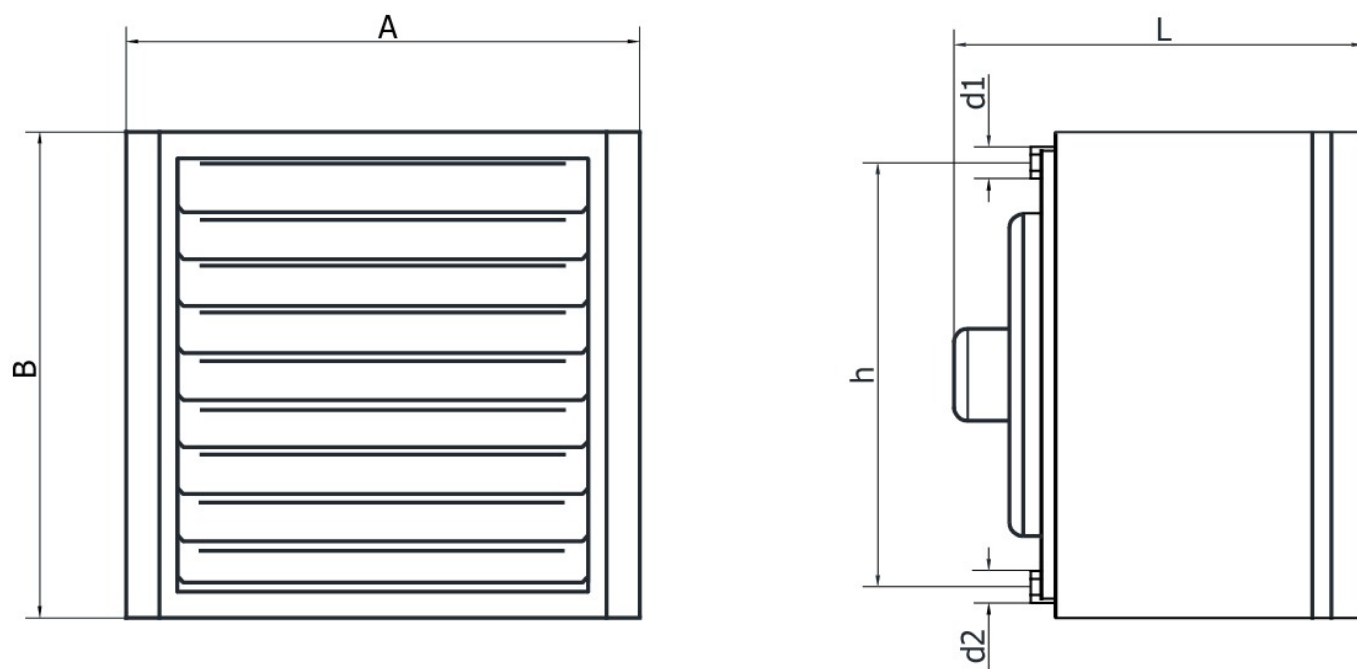
Air flow [m³/h]				1900		1700	
Heating capacity [kW] and air outlet temperature [°C]							
Condensation temp. [°C]		Air inlet temperature [°C]		kW		°C	
45		14		11,6	32	10,8	32
		16		10,7	32	10,0	33
		18		9,8	33	9,1	34
		20		9,0	34	8,3	34
40		14		9,3	28	8,6	29
		16		8,4	29	7,8	29
		18		7,5	30	7,0	30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

## UVERS DX-2-III-AC

### DIMENSIONS



Dimensions					
A[mm]	B[mm]	h[mm]	L[mm]	d1	d2
677	686	620	461	12	28

EC fan parameters	
Supply voltage [V]	230
Motor power [W]	250
Current [A]	1,2
Speed [min-1]	1350
IP	54
Operating temperature	60°C

Heating capacity	
Number of coil rows	III



Air flow [m³/h]				4200	3200
Heating capacity [kW] and air outlet temperature [°C]					
Condensation temp. [°C]	Air inlet temperature [°C]	kW	°C	kW	°C
45	14	22,8	30	19,3	32
	16	21,0	31	17,8	32
	18	19,2	31	16,3	33
	20	17,5	32	14,8	33
40	14	18,1	27	15,3	28
	16	16,3	27	13,8	29
	18	14,6	28	12,4	29
	20	12,8	29	10,9	30

Cooling capacity					
Number of coil rows		III			
Air flow [m³/h]		4200	3200		
Cooling capacity [kW] and air outlet temperature [°C]					
Evaporation temp. [°C]	Air inlet temperature [°C]	kW	°C	kW	°C
6	28	14,6	19	11,2	18
	25	12,1	17	10,5	16
	22	9,8	15	8,6	14
8	28	12,8	19	11,2	18
	25	10,5	18	9,2	17
	22	8,4	16	7,3	15

Noise level [dB(A)]	
Noise level — sound pressure level taking into account the sound absorption in the room A=100m <sup>2</sup> and directivity factor Q=2 at a distance of 5 m	62
Unit weight	
Weight [kg]	49