

INSTALLATION INSTRUCTIONS OPTION 205.8

VERTICAL DOWNFLOW UNIT

UDSA series (types 015, 025, 035, 043, 050, 055, 064, 073, 085 & 100)

General installation instructions:

The instructions described in this document are only valid for the option 'vertical orientation' and should be used in conjunction with the appliance installation, commissioning, servicing and user instructions. Read the installation, operation and maintenance instructions thoroughly before installing this equipment. Installation should be done by qualified people in accordance with the instructions on this sheet and in compliance with all codes and requirements of authorities having jurisdiction.

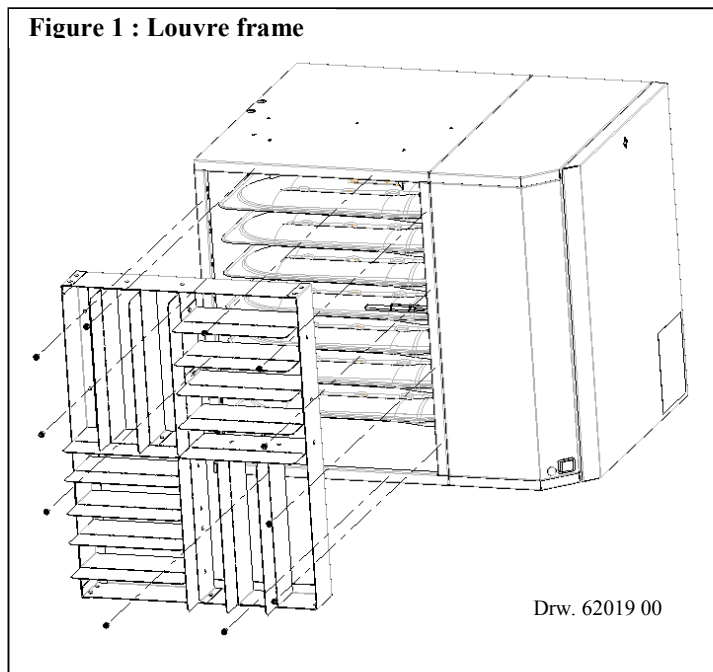
Attention : it is strictly forbidden to suspend a standard (horizontal) unit in a vertical manner. In case you want a vertical orientation of the unit, you explicitly have to specify the option 205.8 on the order form.

A. INTRODUCTION

To reduce heat losses through the roof to a minimum and to avoid the occurrence of stratification, it is recommended to suspend the UDSA unit in a vertical manner. This way of suspension allows the unit to operate as heater and as destratification unit.

The option 'vertical orientation' (option number 205.8) can only be applied on the UDSA models 015, 025, 035, 043, 050, 055, 064, 073, 085 & 100. All units fitted with the option 'vertical orientation' are provided with a 4-way louvre frame (no louvres).

The louvre frame, separately supplied with the unit, must be fitted, by means of the provided screws, to the outlet side of the unit (cfr. figure 1).

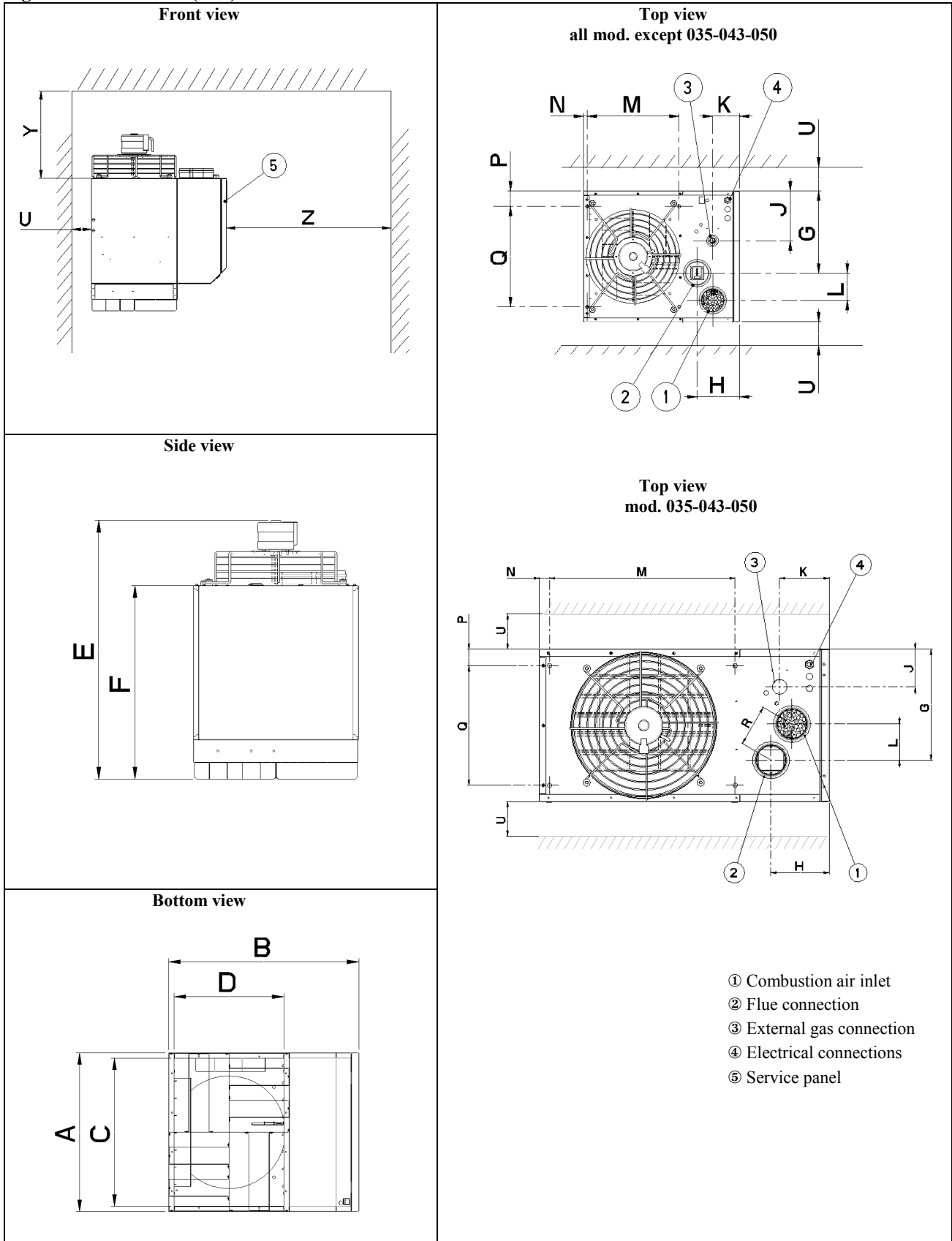


Subject to modifications

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B. TECHNICAL SPECIFICATIONS

Figure 2 : Dimensions (mm)



Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
015	383	700	343	404	864	686	200	191	139	122	86	413	16	67	250	120
025	586	700	546	404	918	686	368	191	222	122	121	413	16	68	450	140
035,043,050	510	971	456	601	1270	1037	371	195	126	166	121	623	35	55	400	140
055, 064	663	971	609	601	1278	1037	354	207	150	166	204	623	35	82	500	225
073,085,100	865	1040	812	651	1317	1057	562	213	299	186	204	673	35	183	500	225

Table 1 : Minimum clearances (mm)

Model	Y	Z	U
015 - 025	800	850	150
035 - 100	1000	850	200

P.S. :

Minimum clearance towards the flue connection = 150mm!

Units must be installed so that the minimum clearances mentioned in table 1 are respected. These minimum clearances guarantee sufficient space for combustion air space, inspection & service and for proper spacing from combustible construction.

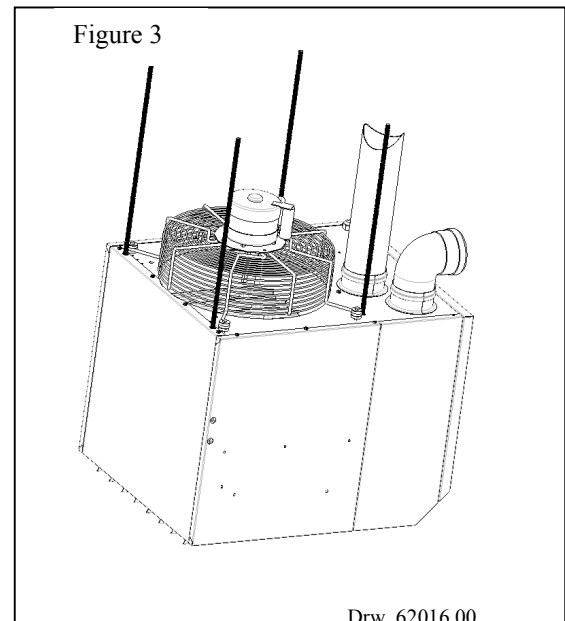
**Table 2 : Diameter vent pipe
Diameter gas connection**

Model	015	025	035	043	050	055	064	073	085	100
Ø vent pipe mm	80	100	100	100	100	130	130	130	130	130
Ø gas connection "	1/2	1/2	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

C. AIR SUPPLY AND FLUE OUTLET

The installation of heaters installed as *type C* (units are equipped with combustion air pipe & flue pipe) must be in accordance with the requirements outlined in the general appliance installation, commissioning, servicing and user instructions

The installation of heaters installed as *type B* requires the installation of a 90° elbow on the air inlet socket (fitted with a perforated grill) to prevent the ingress of dust and other foreign substances.

**D. LOCATION OF THE HEATER**

Ensure that the minimum clearances mentioned in table 1 are respected when installing the heater. These minimum clearances guarantee sufficient space for combustion air space, inspection & service and for proper spacing from combustible construction.

Ensure that a minimum distance of 3m is respected between the underside of the heater and the floor level.

The air pattern can be modified by bending the adjustable air louvers.

Figure 4 : Floor pattern

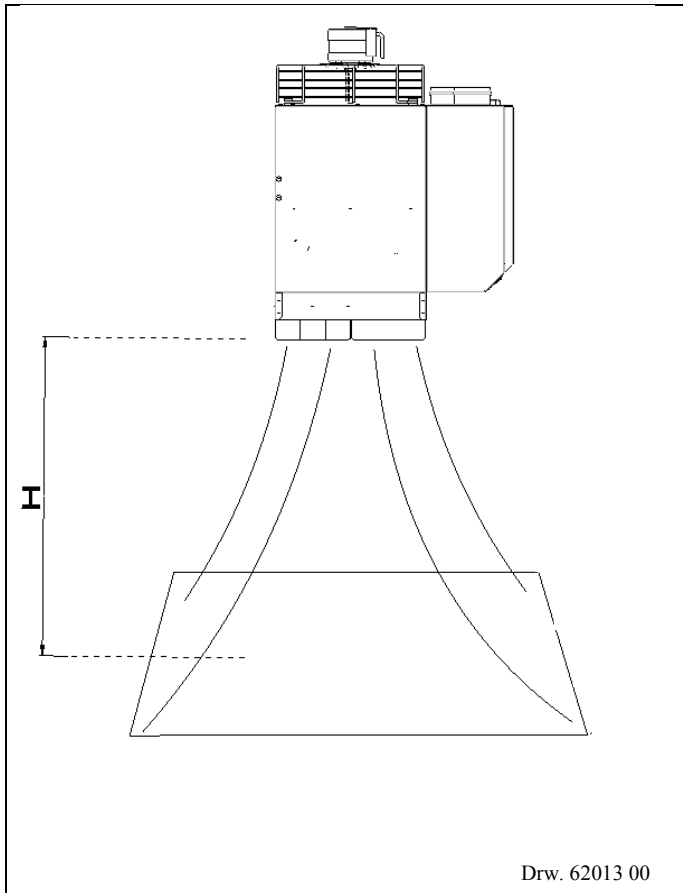


Figure 5 : Louver setting

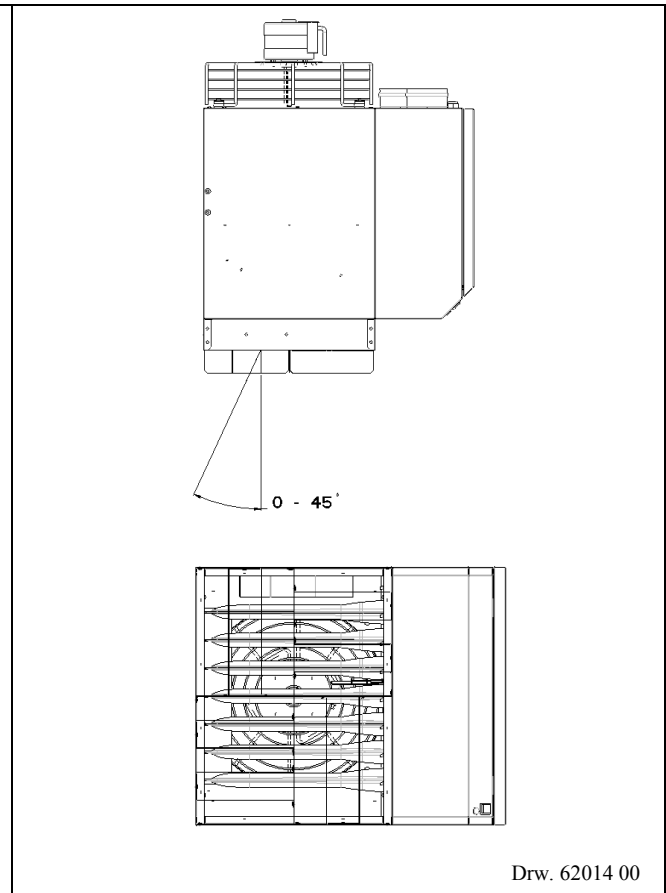


Table 3 : Installation data

Model	Position of the louvers 0°	Position of the louvers 30°	Position of the louvers 45°
	Maximum mounting height to floor H (m) (1)	Maximum mounting height to floor H (m) (1)	Maximum mounting height to floor H (m) (1)
015	5,0	4,5	4,0
025	6,0	5,0	4,5
035	7,0	6,0	5,5
043	9,0	7,5	7,0
050	10,0	8,5	7,5
055	9,0	7,5	7,0
064	10,5	8,5	8,0
073	10,0	8,0	7,5
085	11,0	9,0	8,5
100	12,0	10,0	9,0

(1) maximum mounting heights are defined at an equable room temperature of 15°C and temperature increase at nominal output.