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## URA R DOMO K

### VMC + DEHUMIDIFY

URA R DOMO K is a compact unit of controlled mechanical ventilation, dehumidification and air treatment with high-efficiency heat recovery, for application with radiant panels. Efficiency up to 90%.

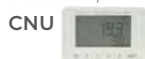
### DESCRIPTION

**Model D<sup>STANDARD</sup>:** unit for the renewal of indoor air with outdoor air through a high-efficiency heat exchanger, the air flow is increased by partially recirculating the indoor air thus allowing the operation of the refrigeration circuit, obtaining dehumidified air during the summer period (active compressor).

**Model DC<sup>WITH INTEGRATION</sup>:** unit for the renewal of indoor air with outdoor air through a high-efficiency heat exchanger. The air flow is increased by partially recirculating the indoor air thus allowing the dehumidification of the air and providing an integration of the cooling/heating capacity to the radiant air conditioning system.

During the summer period, the unit can operate in 2 modes:  
1 Renewal + Dehumidify: the unit partially condenses the air and partially in water through the plate condenser, obtaining dehumidified air;  
2 Renewal + Dehumidify + Cooling integration: the unit completely condenses in water, thus obtaining dehumidified and cooled air. During the winter period (compressor off) the hydronic coil is powered with hot water from the heating system and acts as a thermoventilator with heat recovery.

**Electronics I<sup>STANDARD</sup>:** Complete electrical panel with management card: 4 fan speeds, frost protection, automatic bypass, temperature probes, management of post-heating batteries, and automatic dirty filter notification. Control panel



### FEATURES

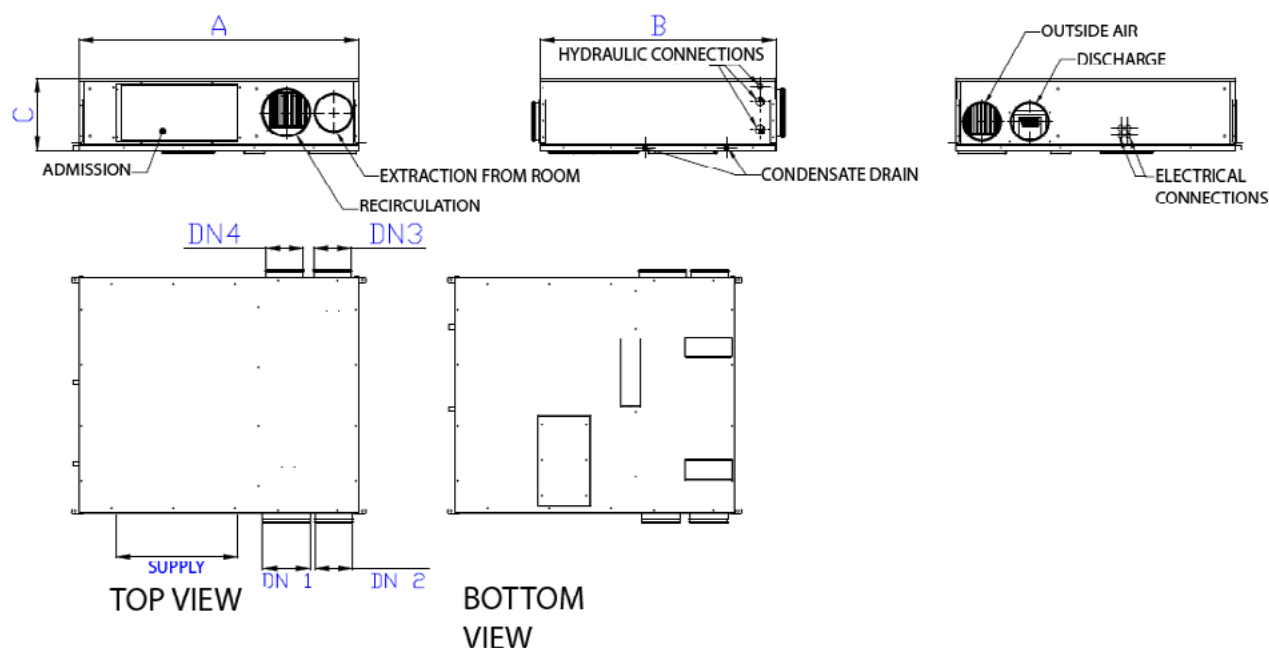
- Panels made of self-supporting sheet metal painted RAL9003 matte with high-density EPS interiors.
- Counter-current high-efficiency >90% polypropylene heat exchanger.
- Summer and winter operation.
- Brushless centrifugal fans with electronic motor and modulating control.
- Very high efficiency and low noise levels Compliant with Erp2018 regulations.
- PM1 80% filters easily removable on the external air intake and on the extraction air; Coarse filters with low pressure drop easily removable on recirculated air.
- The unit can be equipped with a refrigeration circuit for dehumidification or the integration of cooling and heating.

ENERGY CONSUMPTION	30/15	50/25
medium zone	A	A

MODEL	VOLTAGE (V) 50HZ	MAX FLOW. (m³/h)	SOUND PRESSURE dB(A)	EFFICIENCY NOMIN. (%)*	CODE MACHINE	PRICE	CODE DIAPHRAGM	PRICE
URARDOMO 30/15 H KD	230	375	39.7	80.9	URAR-DOMO3015KDI	5.361,40 €	CNU	275,20 €
URARDOMO 30/15 H KDC					URAR-DOMO3015KDCI	5.724,30 €	CNU	275,20 €
URARDOMO 50/25 H KD	230	605	43.2	80.6	URAR-DOMO5025KDI	6.236,60 €	CNU	275,20 €
URARDOMO 50/25 H KDC					URAR-DOMO5025KDCI	6.636,70 €	CNU	275,20 €

\* External air temperature 30°; relative humidity 60%. room temperature 25°C; relative humidity 50%, nominal air flow

## DIMENSIONS



MODEL	Width A (mm)	Depth B (mm)	Height C (mm)	Ø connections (mm)		Condensate Ø (mm)	Water connections supply/return Ø	Supply bxh (mm)	Weight (Kg)
				Ø 1 recirculation	Ø 2 3 4 spoiled/renewal				
URA R DOMO 30/15	880	1070	251	160	160	18	1/2" - 1/2"	350x180	74
URA R DOMO 50/25	995	1180	309	200	160	18	1/2" - 1/2"	515x240	90

Note: for the inspection and maintenance of the machine, a space of at least 30 cm from other structures is necessary

### SUPPLY PLENUM

Number of connections	Ø connections (mm)	Size matching URA R DOMO K	Code	PRICE
to be specified	to be specified	30/15	PLM-URAR1H**	136,30 €
		50/25	PLM-URAR2H**	136,30 €

Supply plenum in PAL for URA R DOMO K  
**NB** Specify number and Ø of outlet connections.  
 Example: plenum for URA R DOMO K size 30/15  
 with 3 connections Ø 80 + 1 connection Ø 125  
 code: **PLM-\*\*\*\*\*** | description: **3xD80 + 1xD125**

## OPERATING VALUES THERMAL AND REFRIGERATION CAPACITIES

MODEL	Dehumidifying capacity useful (l/24h) <sup>(1)</sup>	Hydronic battery cooling capacity (kW) <sup>(2)</sup>	Summer compressor cooling capacity (kW)	Thermal power output (kW) <sup>(3)</sup>	Water flow summer/winter operation (m³/h)	Summer/winter summer/winter pressure drop (Kpa)	Power absorbed compressor (kW)
URA R DOMO 30/15 D	30.5	0.7	-	0.86	0.25	8.5	0.47
URA R DOMO 50/25 D	56	1.56	-	1.4	0.35	10.5	0.77
URA R DOMO 30/15 DC	30.5	0.7	1.55	0.86	0.25	8.5	0.47
URA R DOMO 50/25 DC	56	1.56	2.4	1.4	0.35	10.5	0.77

(1) External air temperature 30 °C; relative humidity 60%. room temperature 25 °C; relative humidity 50%, nominal air flow

(2) Room temperature 25 °C; relative humidity 60%, nominal air flow; Water in at 16 °C

(3) Room temperature 20 °C; relative humidity 60%, nominal air flow; Water in at 35 °C