



indoor air quality and energy saving

TECHNICAL DATA



JD/JD ENTHALPIC



HEAT RECOVERY VENTILATION UNITS for RESIDENTIAL BUILDINGS



JD
Remotable high efficiency heat recovery module without fans. To be interfaced to the remote ventilating unit FAR-EC or FAN-TEC for collective residential buildings.

STRUCTURE

Zinc magnesium Self-supporting. JD It is designed to be mounted horizontal configuration with beneath access for inspection and maintenance, with ambient temperature between 0° and 45° C. There are 4 models of air flow from 100 m³/h to 800 m³/h

HEAT EXCHANGER

High efficiency polypropylene counterflow for JD 1 and 2, aluminum for JD 3 and 4.

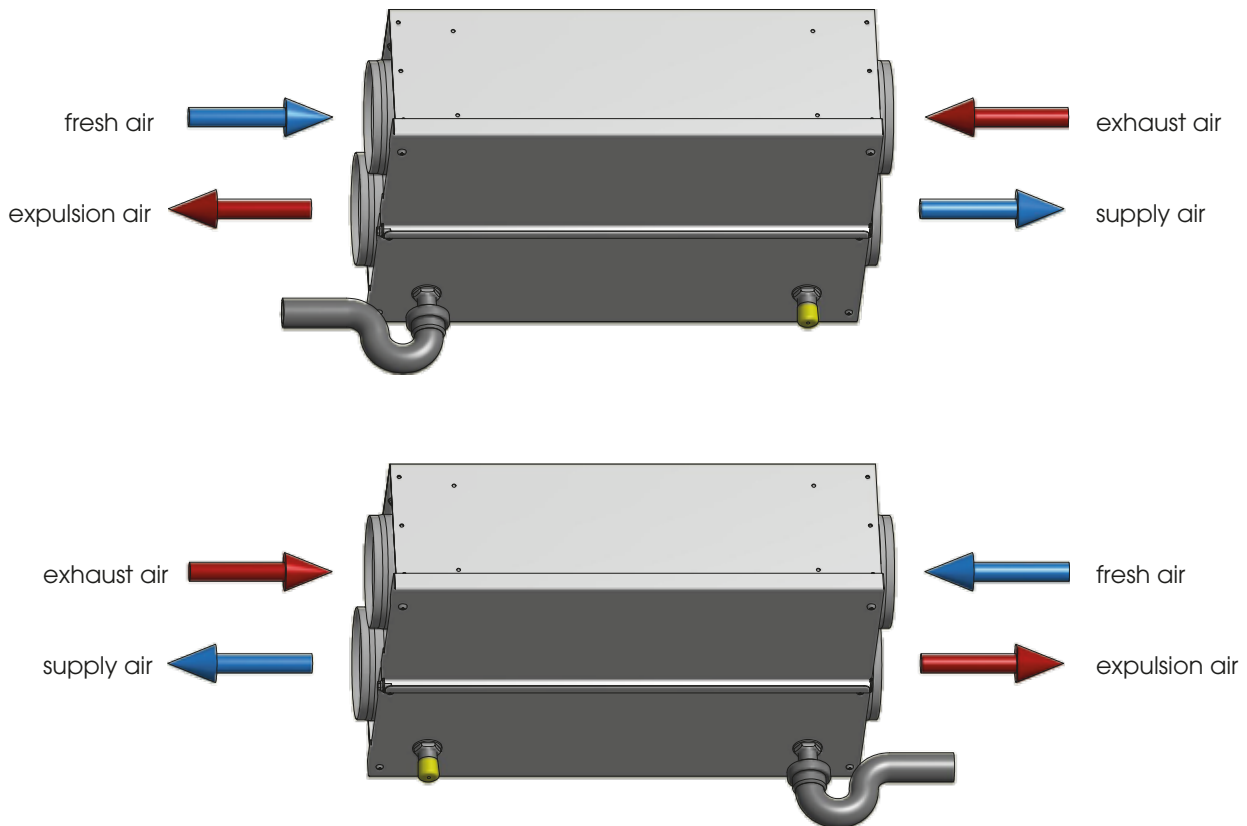
The enthalpy heat exchanger allows to recover sensible and latent energy from the air, that is, to transfer the water vapor from one flow to the other: the moist air water vapor is absorbed on a side of the porous membrane of the exchanger and transferred to the air on the other side. No transmission of vapors, odors, etc. It is not necessary to drain condensate, routine maintenance.

Ideal for cold climates because the heated supply air is dry, resulting a dry indoor environment (without enthalpy exchanger); in summer removes moisture from the air inlet (more hot and humid then indoor air).

FILTERS

- Filters: air extraction / renewal : class Coarse 65% (G4) / ePM1 55% (F7) (EN 779) for JD 1 e 2
- Filters: air extraction / renewal : class ePM10 50% (M5) / ePM1 55% (F7) (EN 779) for JD 3 e 4

NOTE: 2 condensate discharges are provided for greater flexibility in installation: since there are no fans, the choice of renewal-input and extraction-expulsion circuits is not constrained.





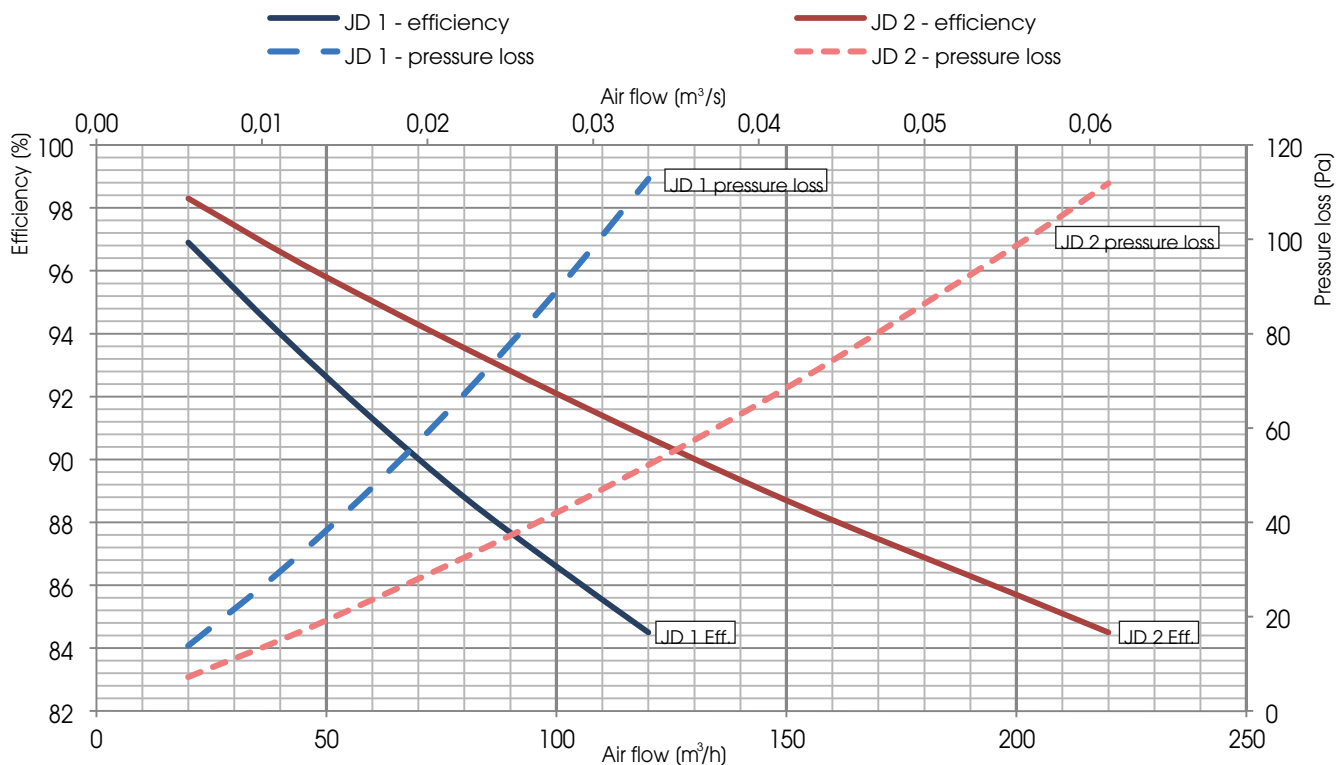
PERFORMANCES (UNI EN 13141-7)

The unit must be ducted properly: UTEK authorizes the use only according to its performance diagram shown into this catalogue
The declared performances are with CLEAN filters, and guaranteed ONLY with the original filters UTEK low pressure drop.

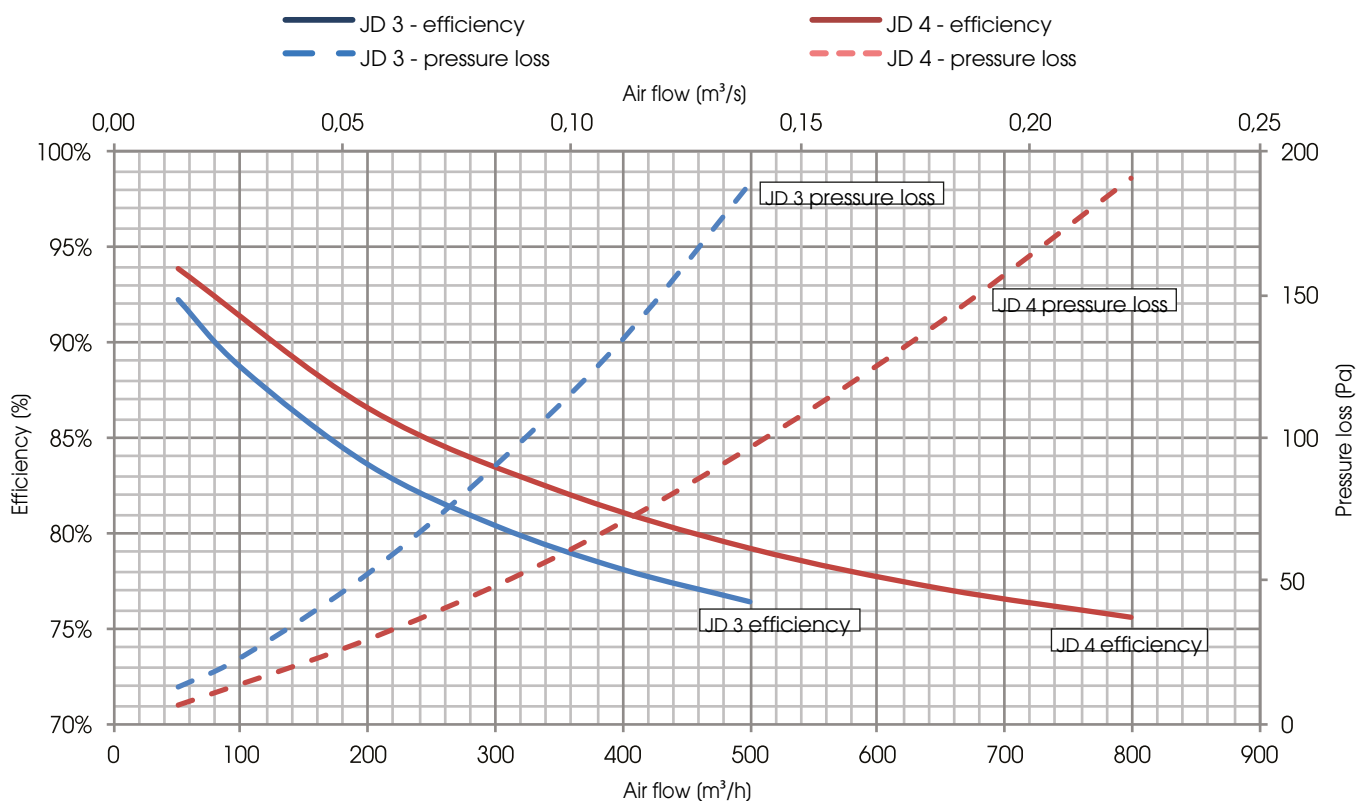
RECOVERY EFFICIENCY OF LATENT AND SENSIBLE HEAT

Values referred to the following conditions(UNI EN 13141-7): T_{bs} external air 7°C; U.R. external 72%; T_{bs} environment 20°C; U.R. environment 28%

JD 1 and JD 2



JD 3 and JD 4





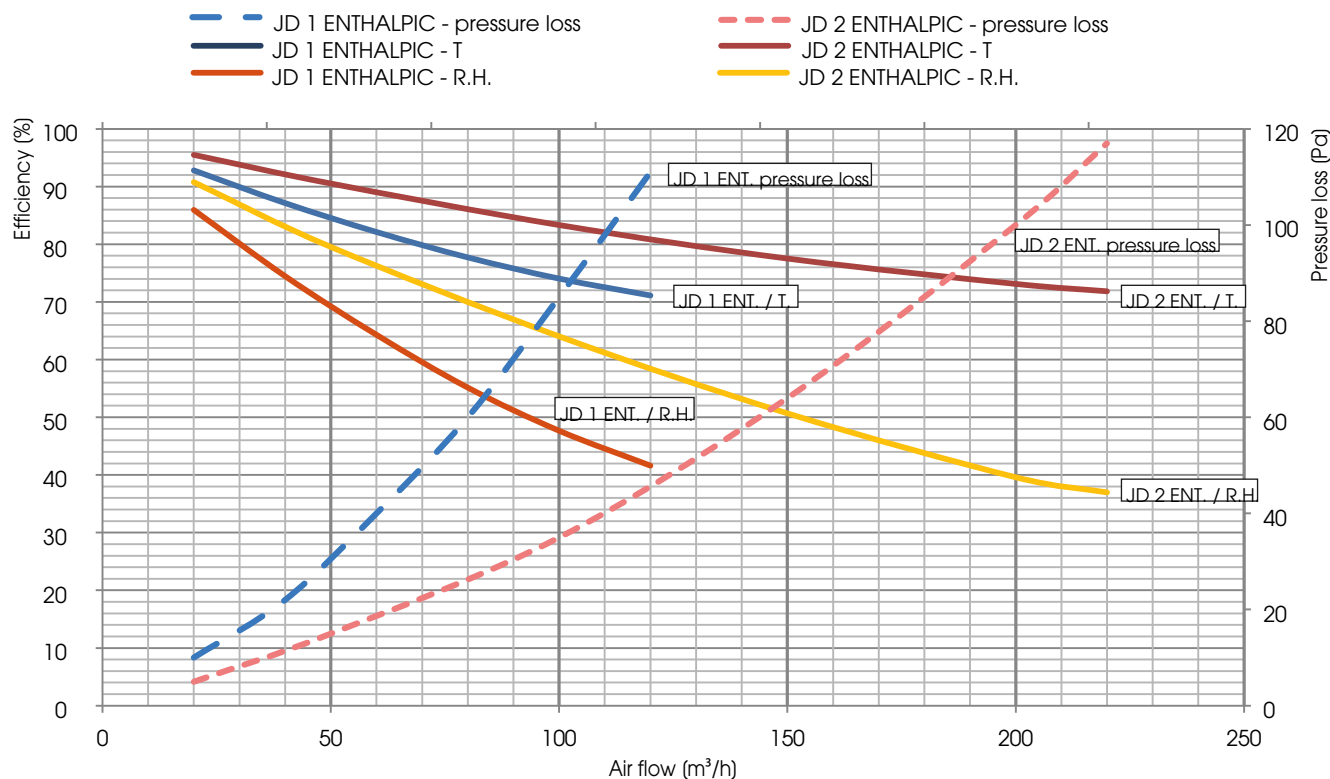
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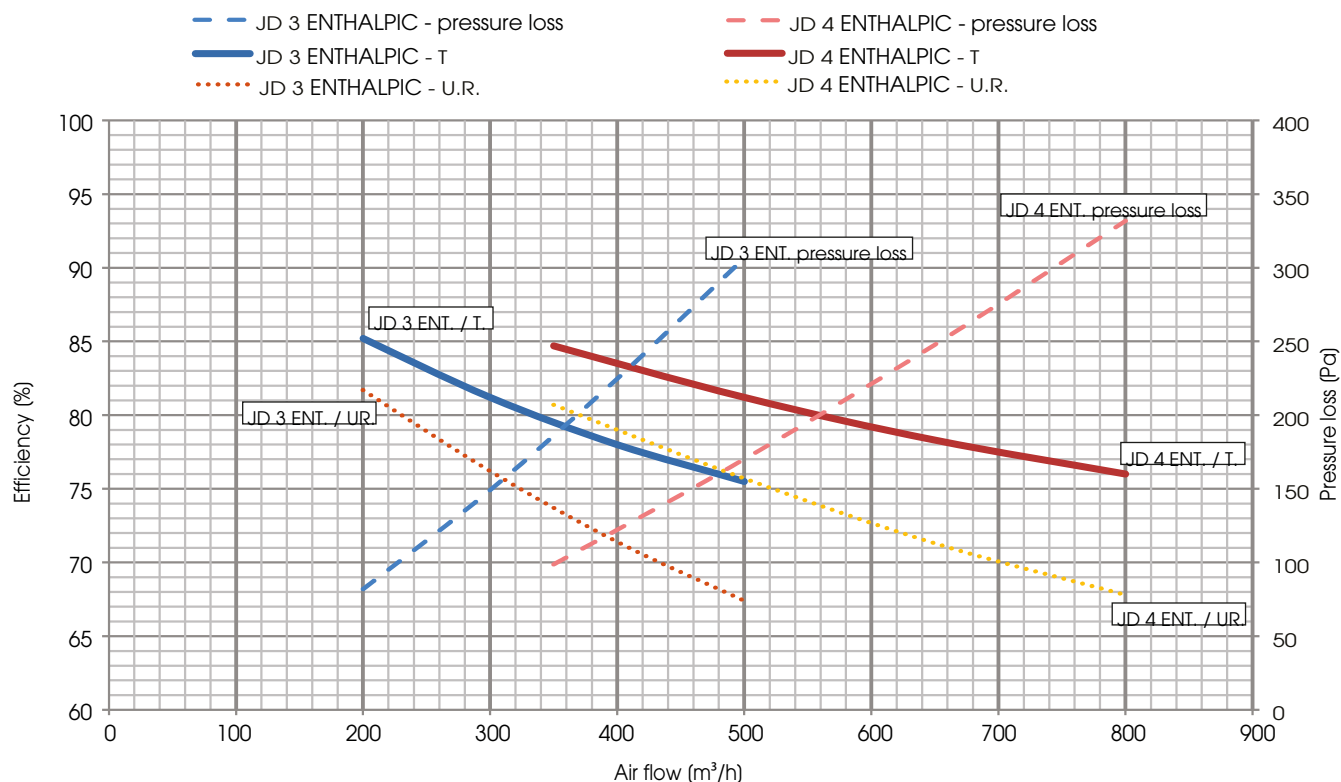
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JD 1 ENTHALPIC and JD 2 ENTHALPIC



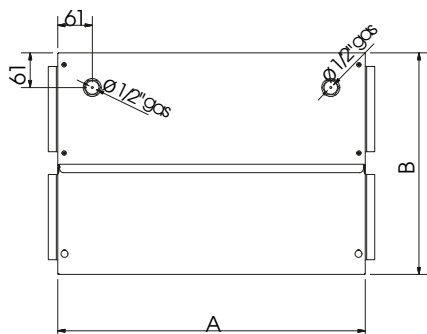
T = temperature, recovery of sensible heat / R.H. = umidity, recovery of latent heat

JD 3 ENTHALPIC and JD 4 ENTHALPIC

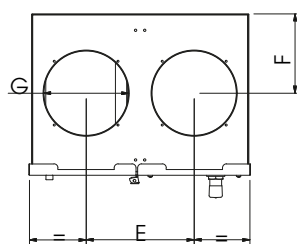
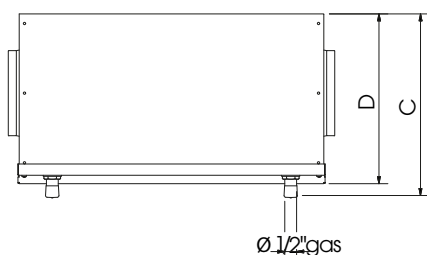




DIMENSIONS (mm) WEIGHT (kg)



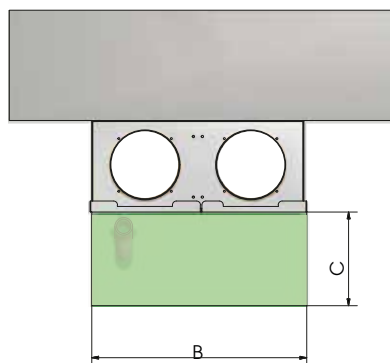
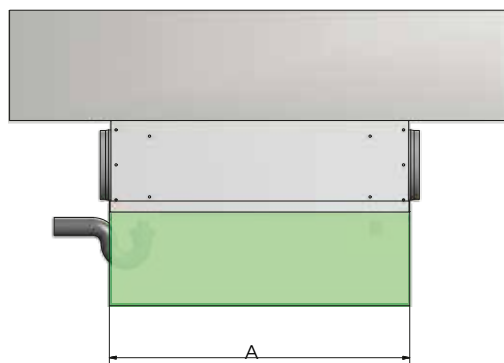
MODEL	Dimensions (mm)										Weight (kg)
	A	B	C	D	E	F	G	I	L		
JD 1	545	393	205	184	192	80	125	61	61		23
JD 2	545	393	322	301	192	140	150	61	61		30
JD 3	1040	750	345	300	458	150	200	127	170,5		47
JD 4	1240	900	395	350	518	175	250	127	200		63



INSTALLATION JD

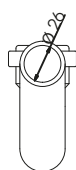
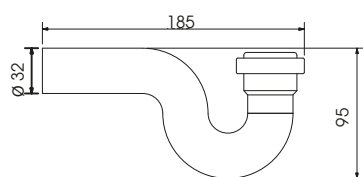
HORIZONTAL CEILING MOUNTED

Minimum space required for the maintenance (mm)



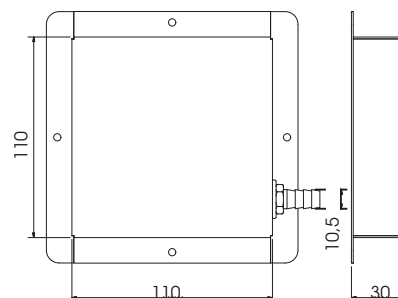
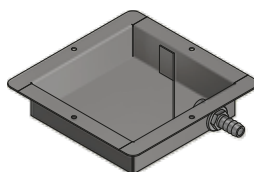
MODEL	Dimensions (mm)		
	A	B	C
JD 1	550	400	200
JD 2	550	400	300
JD 3	1040	750	350
JD 4	1240	900	400

STANDARD SIPHON (mm)



FLAT TRAY SIPHON (mm)

Maximum working pressure of 200 Pa



N.B. – only for JD 1 and JD 2

Dear Customer

Thanks for your attention to the product UTEK ,
designed and manufactured to ensure the real
values to the User : Quality, Safety and Savings on
working.



Made in Italy

**AZIENDA CON SISTEMA
DI GESTIONE QUALITÀ
CERTIFICATO DA DNV GL
ISO 9001**

**AZIENDA CON
SISTEMA DI GESTIONE
AMBIENTALE CERTIFICATO
DA DNV
ISO 14001**



The Dealers

JD_2016_5_EN



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