

# TECHNICAL DATA 1500 EL



## KUBEN 1500 EL

- \* *Extremely low sound level because of the low internal pressure loss, good aerodynamic and technical developed sound insulation.*
- \* *High efficiency heat recovery > 80%.*
- \* *Very compact unit designed to be placed directly in the room.*
- \* *Easy and quick installation.*
- \* *Turnkey with built-in control. Just connect to the power supply.*
- \* *Integrated control for your different needs (CO<sub>2</sub>) and monitor and control over the internet (the cloud).*
- \* *Many choices of extra equipment and accessories.*

### ADDITIONAL HEAT

Electric heating coil 4 kW.  
 Temperature regulation with pulse control.  
 Overheat protection on the electric battery.  
 Supply air temperature control.  
 Water heating (optional): Power 7.8 kW, 55/40 ° C.  
 Temperature control with electronic heat regulator.  
 Built-in regulating antifreeze protection. PI control.

<b>Volume of air:</b>	
Normal speed	1494 m <sup>3</sup> /h (415 l/s) 100 Pa
Forced flow	1710 m <sup>3</sup> /h (475 l/s) 100 Pa
<b>Preheating</b>	2 kW
<b>After heating</b>	3 kW
<b>Water heating</b>	7,8 kW, 55/40°C
<b>Electric data:</b>	
Electric heating	400V, 3-phase 10 A
Water heating	230 V, 1-phase, 10 A
Supply air fan	680 W, 2,75 A, EC
Exhaust air fan	680 W, 2,75 A, EC
<b>Heat recovery:</b>	Counter flow heat exchanger Recovery > 80%
<b>Sound levels:</b>	1008 m <sup>3</sup> /h (60 Pa), 30 dB(A) 1188 m <sup>3</sup> /h(100 Pa), 33 dB(A)
<b>Duct connection:</b>	Spiro duct Ø 315 on the top for extract, supply, exhaust and outside air.
<b>Color:</b>	White powder coating.
<b>Dimensions:</b>	
Unit	Height 1850 mm incl base Width 1250 mm Depth 816 mm incl door Depth 56 mm
Door (removable at delivery)	
Unit without door	Depth 760 mm
Base	Height 100 mm

### STANDARD EQUIPMENT

Counter current heat exchanger.  
 Thermal efficiency > 80%. Completely sealed with no transference between supply air and extract air.  
 Filter F6. Pocket filter with very good filter economy.  
 Built-in electrical and regulation central.  
 Automatic bypass function.  
 Automatic defrosting function.  
 Several time channels with automatic summer time function.  
 Directly powered exhaust air fans.  
 Double 5-speed control with high fan speed. Supply air temperature control with setting on the panel.

### OPTIONAL EQUIPMENT

Mirrored design.  
 External alarm panel. A- and B-alarm.  
 Presence detector for start or higher fan speed.  
 Duct kit. Complete kit with insulated ducts, bendable pipes and components for a complete installation.  
 Units and accessories in any color.  
 Water heating, 7.8 kW, 55/40 ° C.  
 Timer for higher fan speed or additional operating time.  
 Remote control, timer, temperature and higher fan speed. Optional steering gear.  
 Exhaust air grating for installation above the unit.  
 Exhaust air attenuator and supply air attenuator.  
 CO<sub>2</sub> sensor for start. Programmable exhaust air temp control, cascade control, etc.  
 Programmable outdoor temperature compensation.  
 Alarm panel, built-in. A and B alarms.

# DUCT CONNECTION, DIMENSIONS



## FUNCTION

Kuben 1500 is designed to almost soundless ventilate the premises.

The unit which is very energy efficient, with counter flow heat exchanger with high efficiency, can be placed directly in the room to ventilate. The unit is so quiet that it does not have to be placed in a special soundproof fan room.

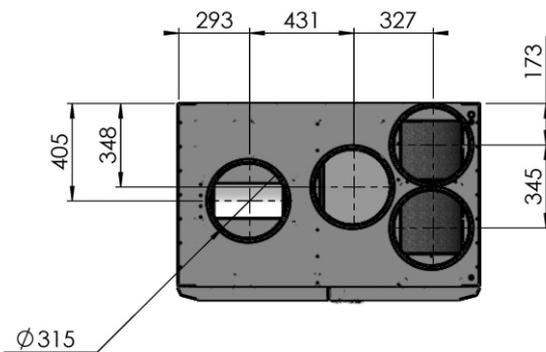
Kuben 1500 includes, as standard, fans and filters for air and exhaust air, aluminum heat exchanger, after-heating with electricity or water, and complete control equipment for temperature and fan speed.

The unit can be equipped with a variety of selected accessories, such as built-in DX cooling, presence control, CO<sub>2</sub> control, etc.

## DUCT CONNECTION

Kuben 1500 has all duct connections on top of the unit. The connections have rubber sealings and are all 315 mm.

## DUCT CONNECTION SEEN FROM ABOVE



## ALTERNATIVE UNIT HEIGHTS

It is possible to get the unit at lower altitudes at lower ceiling heights. Contact Kuben for a design proposal.

## DIMENSIONS

