

# ABSOLUTE INDOOR AIR QUALITY IAQ QUALITY

## NEW TECHNOLOGIES FOR INDOOR AIR HYGIENE AND QUALITY (I.A.Q)

- *For the removal of pollutants and smells with elevated efficiency*
- *To regenerate the ionic equilibrium*
- *To turn sites of work and leisure into a real oasis of well-being*



## What are the advantages by installing the UC ?

- *high level of well-being*
- *optimal indoor air hygiene*
- *negligible noise level (dBA)*
- *easy and quick installation*
- *very low power consumption*
- *consistent energetic advantages (less heating and cooling)*
- *easy maintenance*
- *excellent reliability*
- *increased personnel concentration and productivity*



## In what way does the UC produce IAQ ?

- *through optimal filtering of micro particles (PM10) and air suspended fumes*
- *through efficient reduction of air suspended micro organisms (bacteria, yeast, mould)*
- *through significant reduction of smells*
- *through constant exchange of air in order to control the level of CO2 and other gases*
- *through reestablishment of the natural equilibrium of positive and negative ions*



## Why install the UC ?

- to efficiently and rapidly filter out micro particles and fumes ranging 0,1 - 10  $\mu\text{m}$  (PM10)
- to breathe clean air also when the outside air is polluted
- to dramatically improve the degree of well-being normally present in indoor areas
- to reduce the typical indoor background smells
- to stop the aerial transmission of contagious diseases (colds, flue etc)
- to guarantee the hygiene
- 24 configurations available
- can be fitted in any modular ceiling system of 600 x 600
- capacity 1460 m<sup>3</sup>/h + 290 m<sup>3</sup>/h external air
- IAQ / price ratio = excellent
- scientific air quality measurements available before and after UC installation



**UC VOLUMETRIC COVERAGE, THE MEASURE OF IAQ LEVEL AND WELL BEING**

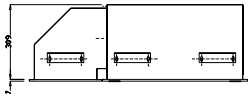
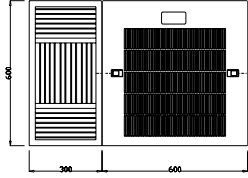
**LEGEND**

●	○	= insufficient
●●	○○	= sufficient
●●●	○○○	= acceptable
●●●●	○○○○	= good
●●●●●	○○○○○	= very good
●●●●●●	○○○○○○	= excellent

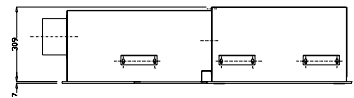
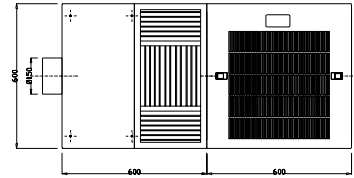
With smokers present					Without smokers present				
Mod		Volume max m <sup>3</sup>	n. max persons	IAQ measured	IAQ sensational	Volume max m <sup>3</sup>	n. max persons	IAQ measured	IAQ sensational
UC12	N.S. AFC BASIC	126	21	●● ● ●	○○○ ○○ ○○	158	30	●●● ●● ●●	○○○ ○○ ○○
UC13	N.S. AFC BASIC	126	21	●●●● ●●● ●●	○○○○○ ○○○ ○○	158	30	●●●●● ●●●● ●●●	○○○○○ ○○○ ○○○
UC12s	N.S. AFC BASIC	100	16	●●● ●● ●	○○○ ○○ ○	122	20	●●● ●●● ●●	○○○ ○○ ○○
UC13s	N.S. AFC BASIC	100	16	●●●● ●●● ●●	○○○○○ ○○○ ○○	122	20	●●●●● ●●●● ●●●	○○○○○ ○○○ ○○○
UC122	N.S. AFC BASIC	145	24	●●● ●● ●	○○○ ○○ ○	181	30	●●●● ●● ●●	○○○ ○○ ○○
UC123	N.S. AFC BASIC	145	24	●●●●● ●●● ●●	○○○○○ ○○○ ○○	181	30	●●●●● ●●●● ●●●	○○○○○ ○○○○ ○○○
UC122s	N.S. AFC BASIC	129	21	●●● ●● ●	○○○ ○○ ○	161	26	●●●● ●●● ●●	○○○ ○○○ ○○
UC123s	N.S. AFC BASIC	129	21	●●●●● ●●●● ●●●	○○○○○ ○○○ ○○○	161	26	●●●●● ●●●● ●●●	○○○○○ ○○○○○ ○○○○



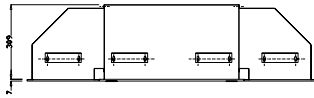
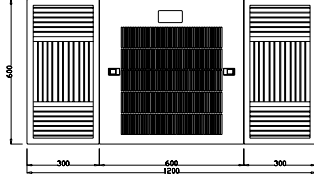
**UC12**



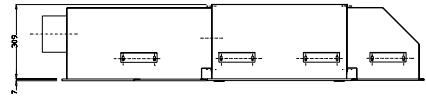
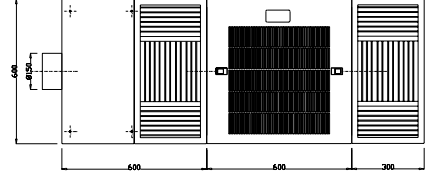
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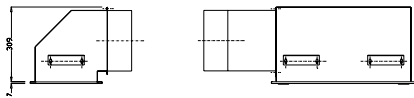
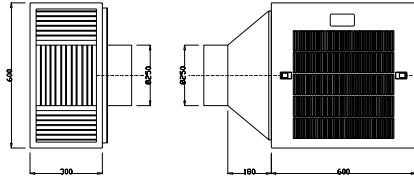
**UC122**



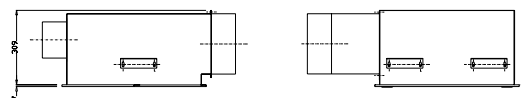
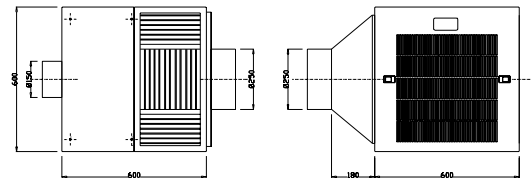
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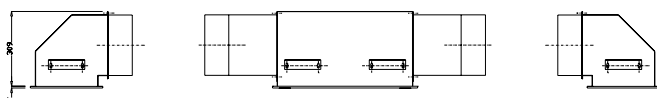
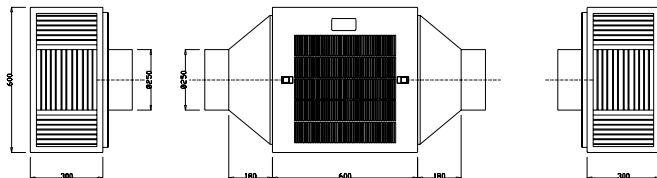
**UC12s**



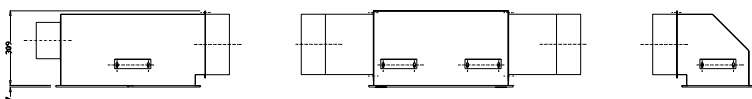
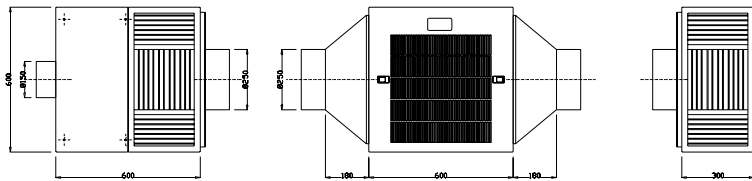
**UC13s**

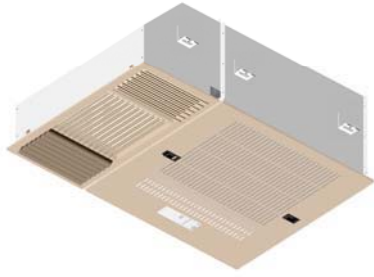


**UC122s**

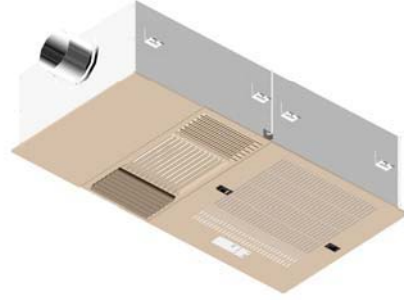


**UC123s**

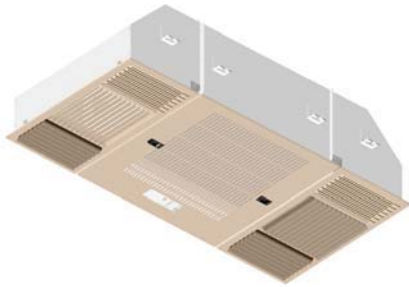




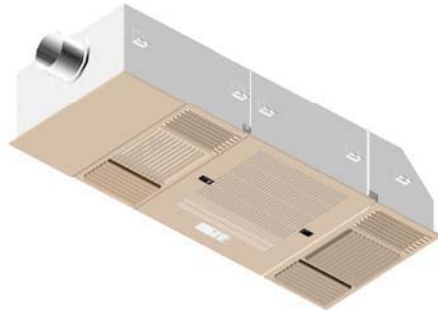
UC12



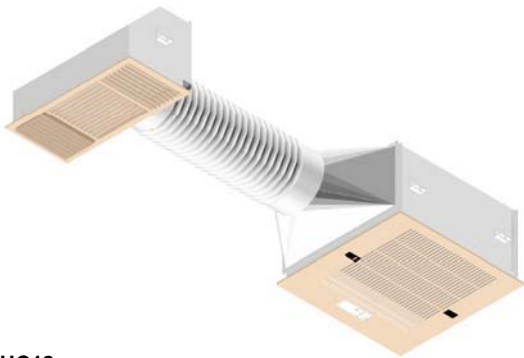
UC13



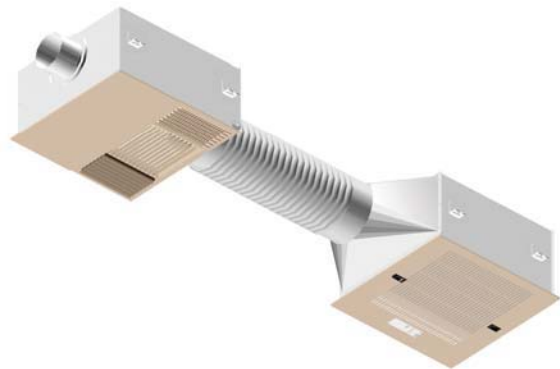
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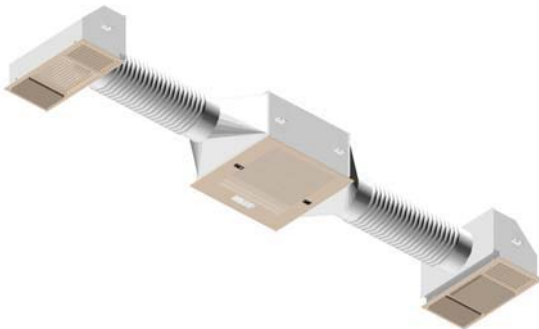
UC123



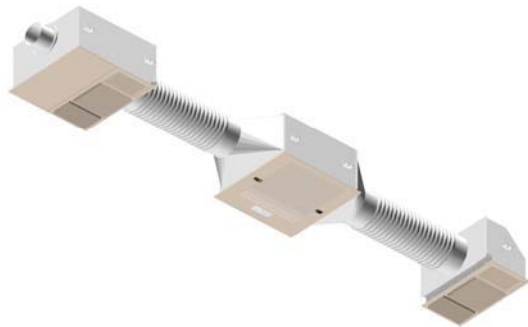
UC12s



UC13s



UC122s

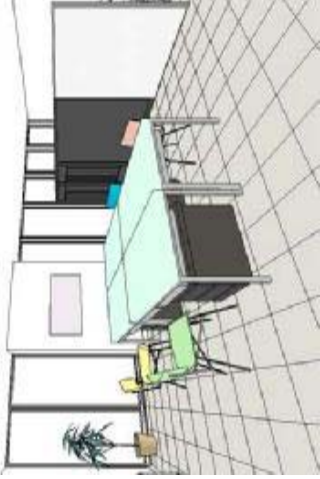


UC123s

ABSOLUTE INDOOR AIR QUALITY  
**IAQ**



# UC VOLUMETRIC COVERAGE, THE MEASURE OF IAQ LEVEL AND WELL BEING



## LEGEND

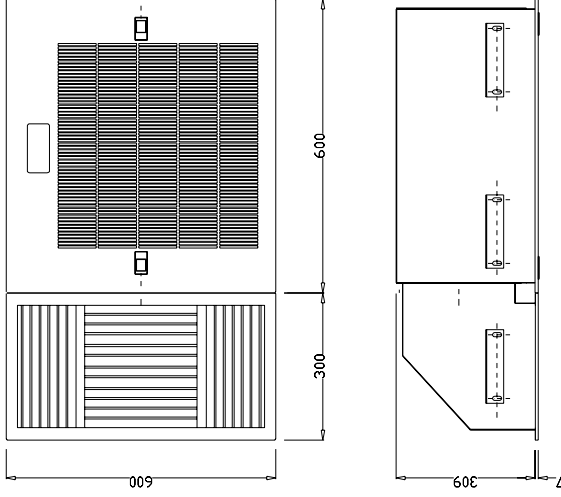
- = insufficient
- = sufficient
- = acceptable
- = good
- = very good
- = excellent

### With smokers present

### Without smokers present

Mod	Volume max m3	n. max persons	IAQ measured	IAQ sensational	Volume max m3	n. max persons	IAQ measured	IAQ sensational
UC12 N.S. AFC BASIC	126	21			158	30		
UC13 N.S. AFC BASIC	126	21			158	30		
UC12s N.S. AFC BASIC	100	16			122	20		
UC13s N.S. AFC BASIC	100	16			122	20		
UC122 N.S. AFC BASIC	145	24			181	30		
UC123 N.S. AFC BASIC	145	24			181	30		
UC122s N.S. AFC BASIC	129	21			161	26		
UC123s N.S. AFC BASIC	129	21			161	26		

# MODULAR AIR CLEANERS SERIES UC



Mod: **UC12**  
(only cleaning)

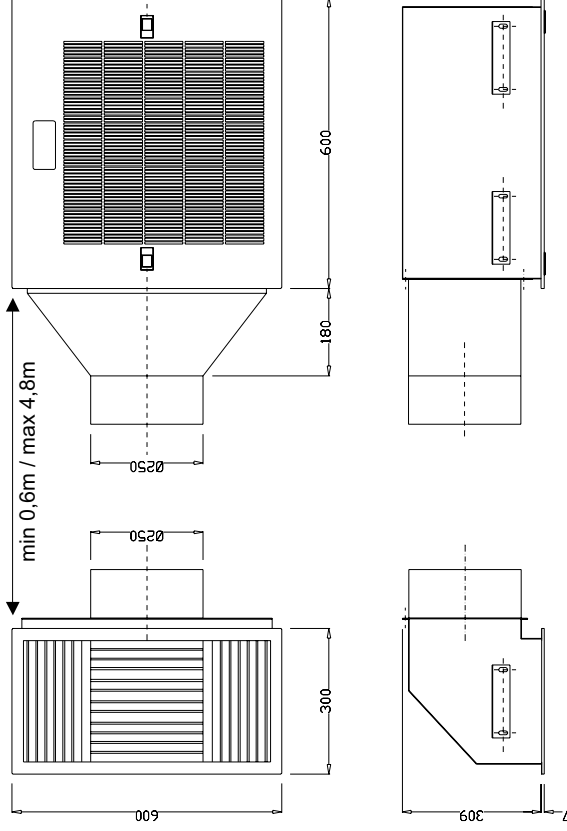


with remote control

Model UC12	1° Speed	2° Speed	3° Speed
Air quantity (recycling)	660 m3/h	1040 m3/h	1261 m3/h
Air quantity (introduced from external)	no	no	no
Noise level	44 dB	54 dB	58,5 dB
<b>Nature System</b>			
Efficiency (EN779)	98,95%	97,80%	97,20%
Efficiency (EN779)	92,00%	87,25%	85,00%
Efficiency	<b>88,00%</b>	<b>82,00%</b>	<b>78,50%</b>
Emission of negative ions	yes	yes	yes
Odor elimination	yes	yes	yes
<b>AFC</b>			
Efficiency (EN779)	98,95%	97,80%	97,20%
Efficiency (EN779)	92,00%	87,25%	85,00%
Efficiency	55,00%	50,00%	45,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no
<b>BASIC</b>			
Efficiency (EN779)	97,40%	96,60%	95,80%
Efficiency (EN779)	91,00%	86,50%	83,50%
Efficiency	30,00%	25,00%	20,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no



# MODULAR AIR CLEANERS SERIES UC



**Mod: UC12s**  
(only cleaning)

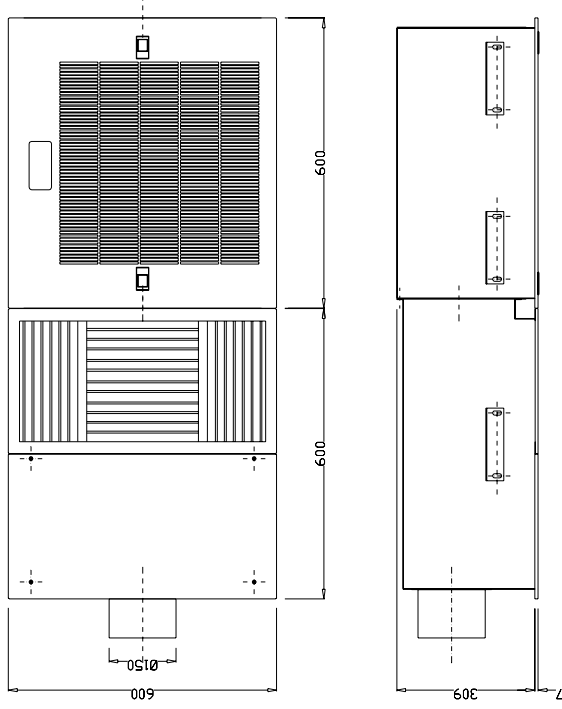


with remote control

Model UC12s	1° Speed	2° Speed	3° Speed
Air quantity (recycling)	494 m3/h	782 m3/h	982 m3/h
Air quantity (introduced from external)	no	no	no
Noise level	44 dB	53,5 dB	58 dB
<b>Nature System</b>			
Efficiency (EN779)	99,15%	98,70%	97,80%
Efficiency (EN779)	91,00%	86,00%	82,00%
Efficiency	<b>88,00%</b>	<b>82,00%</b>	<b>78,50%</b>
Emission of negative ions	yes	yes	yes
Odor elimination	yes	yes	yes
<b>AFC</b>			
Efficiency (EN779)	99,15%	98,70%	97,80%
Efficiency (EN779)	91,00%	86,00%	82,00%
Efficiency	55,00%	50,00%	45,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no
<b>BASIC</b>			
Efficiency (EN779)	97,60%	97,50%	96,40%
Efficiency (EN779)	90,00%	85,25%	80,50%
Efficiency	30,00%	25,00%	20,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no



# MODULAR AIR CLEANERS SERIES UC



**Mod: UC13**  
(cleaning plus introduced external air)

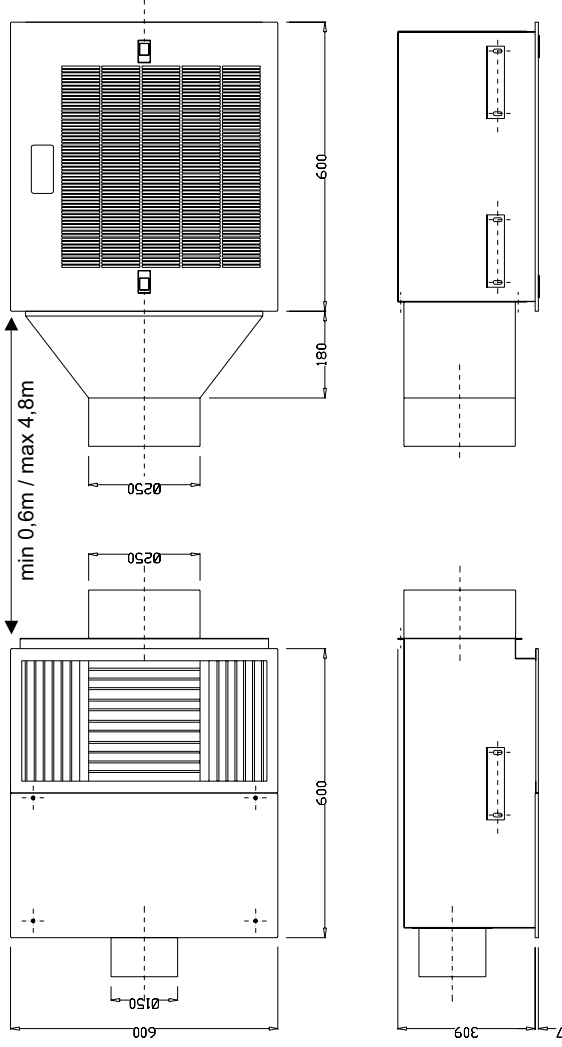


with remote control

Model UC13	1° Speed	2° Speed	3° Speed
Air quantity (recycling)	660 m3/h	1040 m3/h	1261 m3/h
Air quantity (introduced from external)	100 m3/h	180 m3/h	270 m3/h
Noise level	47 dB	57 dB	61,5 dB
<b>Nature System</b>			
Efficiency (EN779)	98,95%	97,80%	97,20%
Efficiency (EN779)	92,00%	87,25%	85,00%
Efficiency	<b>88,00%</b>	<b>82,00%</b>	<b>78,50%</b>
Emission of negative ions	yes	yes	yes
Odor elimination	yes	yes	yes
<b>AFC</b>			
Efficiency (EN779)	98,95%	97,80%	97,20%
Efficiency (EN779)	92,00%	87,25%	85,00%
Efficiency	55,00%	50,00%	45,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no
<b>BASIC</b>			
Efficiency (EN779)	97,40%	96,60%	95,80%
Efficiency (EN779)	91,00%	86,50%	83,50%
Efficiency	30,00%	25,00%	20,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no



# MODULAR AIR CLEANERS SERIES UC



**Mod: UC13s**  
(cleaning plus introduced external air)

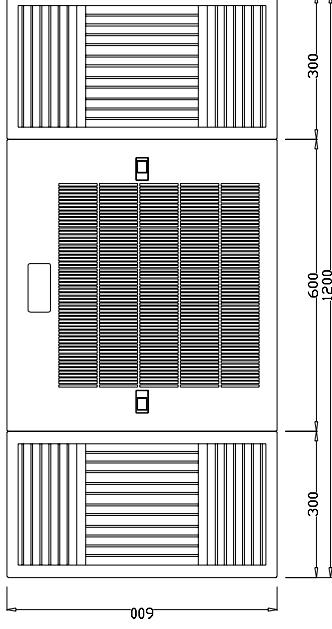


with remote control

Model UC13s	1° Speed	2° Speed	3° Speed
Air quantity (recycling)	500 m3/h	780 m3/h	1000 m3/h
Air quantity (introduced from external)	100 m3/h	180 m3/h	270 m3/h
Noise level	47 dB	56,5 dB	61 dB
<b>Nature System</b>			
Efficiency (EN779)	99,15%	98,20%	97,60%
Efficiency (EN779)	92,25%	87,80%	85,90%
Efficiency	<b>88,00%</b>	<b>82,00%</b>	<b>78,50%</b>
Emission of negative ions	yes	yes	yes
Odor elimination	yes	yes	yes
<b>AFC</b>			
Efficiency (EN779)	99,15%	98,20%	97,60%
Efficiency (EN779)	92,25%	87,80%	85,90%
Efficiency	55,00%	50,00%	45,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no
<b>BASIC</b>			
Efficiency (EN779)	97,60%	96,90%	96,10%
Efficiency (EN779)	91,20%	86,80%	83,90%
Efficiency	30,00%	25,00%	20,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no



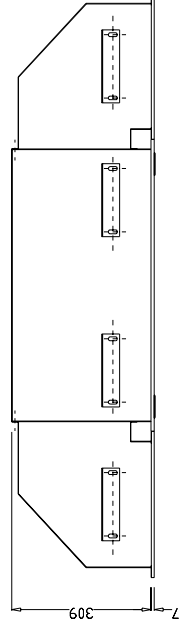
# MODULAR AIR CLEANERS SERIES UC



Mod: **UC122**  
(only cleaning)



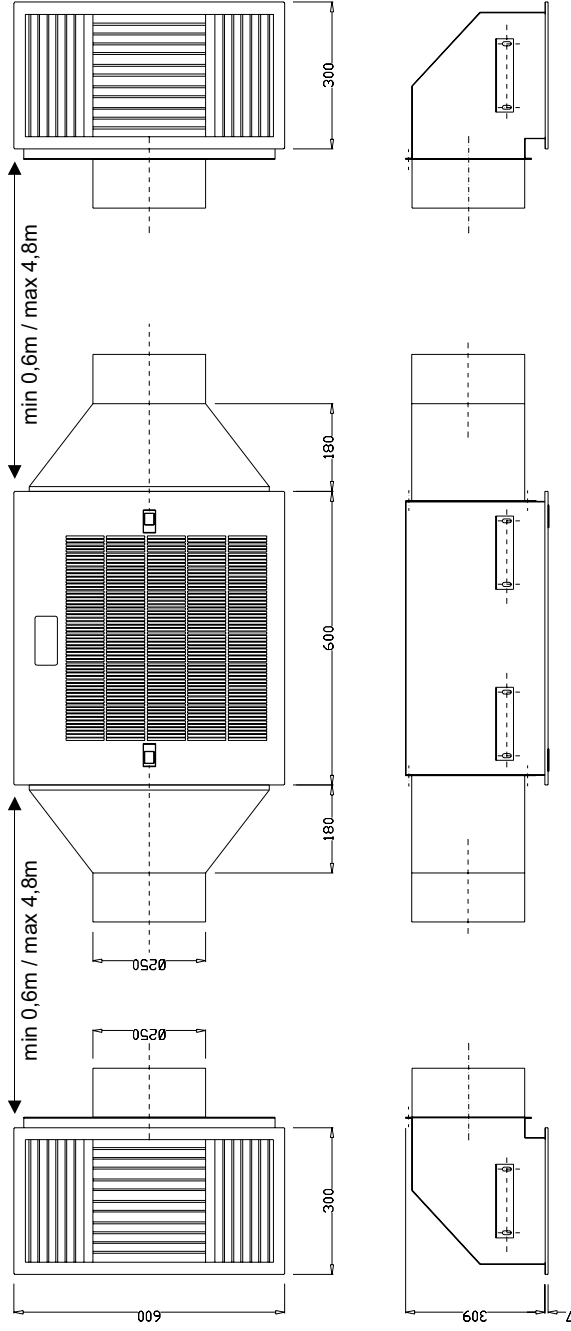
with remote control



Model UC122	1° Speed	2° Speed	3° Speed
Air quantity (recycling)	820 m3/h	1260 m3/h	1450 m3/h
Air quantity (introduced from external)	no	no	no
Noise level	44 dB	53 dB	58 dB
<b>Nature System</b>			
Efficiency (EN779)	98,15%	97,20%	96,75%
Efficiency (EN779)	85,00%	78,50%	75,00%
Efficiency anti-bacterial	<b>88,00%</b>	<b>82,00%</b>	<b>78,50%</b>
Emission of negative ions	yes	yes	yes
Odor elimination	yes	yes	yes
<b>AFC</b>			
Efficiency (EN779)	98,15%	97,20%	96,75%
Efficiency (EN779)	85,00%	78,50%	75,00%
Efficiency anti-bacterial	55,00%	50,00%	45,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no
<b>BASIC</b>			
Efficiency (EN779)	96,60%	96,00%	95,30%
Efficiency (EN779)	84,00%	77,40%	73,50%
Efficiency anti-bacterial	30,00%	25,00%	20,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no



# MODULAR AIR CLEANERS SERIES UC



Mod: **UC122s**  
(only cleaning)

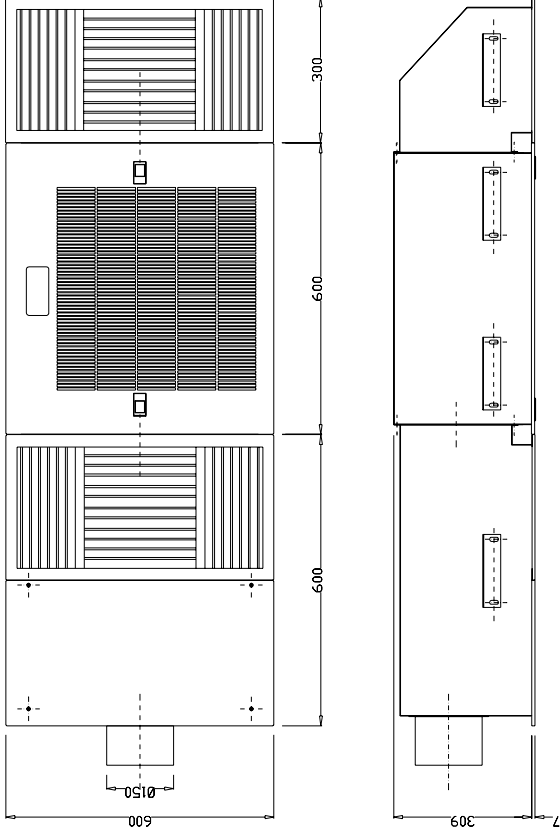


with remote control

Model UC122s	1° Speed	2° Speed	3° Speed
Air quantity (recycling)	698 m3/h	1078 m3/h	1289 m3/h
Air quantity (introduced from external)	no	no	no
Noise level	44 dB	53 dB	58 dB
<b>Nature System</b>			
Efficiency (EN779)	98,85%	97,52%	97,20%
Efficiency (EN779)	87,00%	81,00%	78,50%
Efficiency anti-bacterial	<b>88,00%</b>	<b>82,00%</b>	<b>78,50%</b>
Emission of negative ions	yes	yes	yes
Odor elimination	yes	yes	yes
<b>AFC</b>			
Efficiency (EN779)	98,85%	97,52%	97,20%
Efficiency (EN779)	87,00%	81,00%	78,50%
Efficiency anti-bacterial	55,00%	50,00%	45,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no
<b>BASIC</b>			
Efficiency (EN779)	97,30%	96,30%	95,80%
Efficiency (EN779)	86,00%	95,50%	83,50%
Efficiency anti-bacterial	30,00%	25,00%	20,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no



# MODULAR AIR CLEANERS SERIES UC



Mod: **UC123**  
(cleaning plus introduced external air)

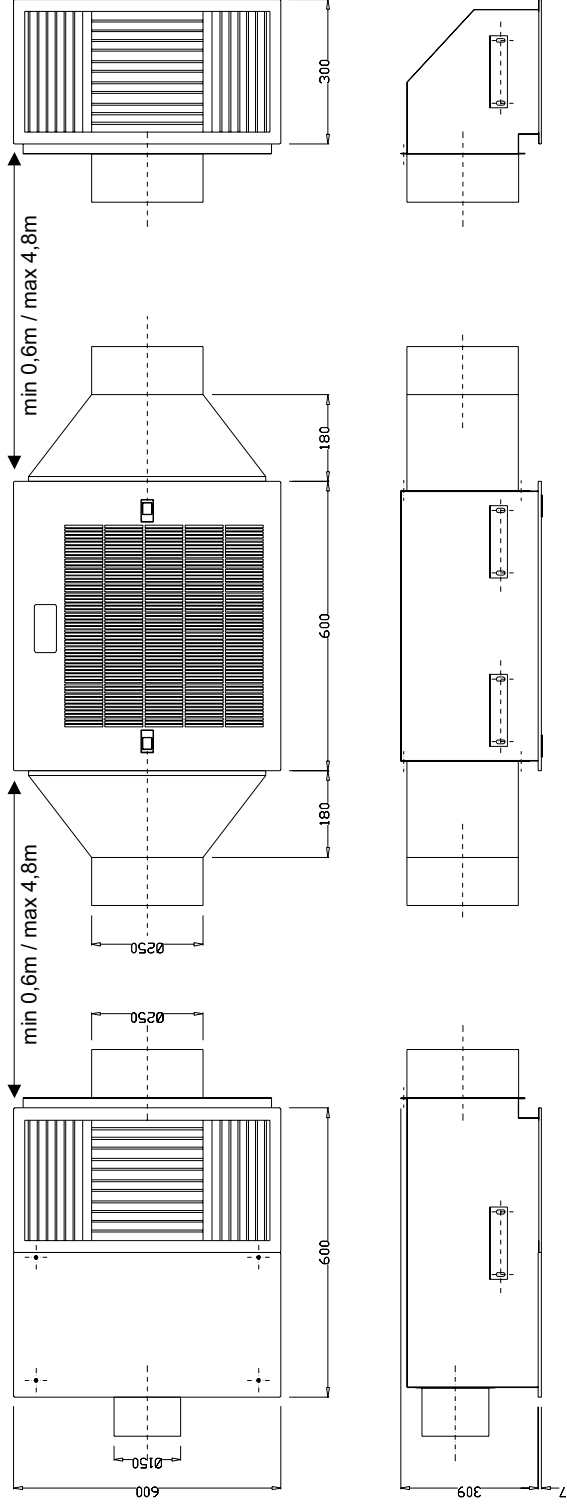


with remote control

Model UC123	1° Speed	2° Speed	3° Speed
Air quantity (recycling)	820 m3/h	1260 m3/h	1450 m3/h
Air quantity (introduced from external)	100 m3/h	180 m3/h	270 m3/h
Noise level	47 dB	56 dB	61 dB
<b>Nature System</b>			
Efficiency (EN779)	98,15%	97,20%	96,75%
Efficiency (EN779)	85,00%	78,50%	75,00%
Efficiency	<b>88,00%</b>	<b>82,00%</b>	<b>78,50%</b>
Emission of negative ions	yes	yes	yes
Odor elimination	yes	yes	yes
<b>AFC</b>			
Efficiency (EN779)	98,15%	97,20%	96,75%
Efficiency (EN779)	85,00%	78,50%	75,00%
Efficiency	55,00%	50,00%	45,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no
<b>BASIC</b>			
Efficiency (EN779)	96,60%	96,00%	95,30%
Efficiency (EN779)	84,00%	77,40%	73,50%
Efficiency	30,00%	25,00%	20,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no



# MODULAR AIR CLEANERS SERIES UC



**Mod: UC123s**  
(cleaning plus  
introduced external  
air)



with remote control

Model UC123s	1° Speed	2° Speed	3° Speed
Air quantity (recycling)	698 m3/h	1078 m3/h	1289 m3/h
Air quantity (introduced from external)	100 m3/h	180 m3/h	270 m3/h
Noise level	47 dB	56 dB	61 dB
<b>Nature System</b>			
Efficiency (EN779)	98,85%	97,52%	97,20%
Efficiency (EN779)	87,00%	81,00%	78,50%
Efficiency	<b>88,00%</b>	<b>82,00%</b>	<b>78,50%</b>
Emission of negative ions	yes	yes	yes
Odor elimination	yes	yes	yes
<b>AFC</b>			
Efficiency (EN779)	98,85%	97,52%	97,20%
Efficiency (EN779)	87,00%	81,00%	78,50%
Efficiency	55,00%	50,00%	45,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no
<b>BASIC</b>			
Efficiency (EN779)	97,30%	96,30%	95,80%
Efficiency (EN779)	86,00%	95,50%	83,50%
Efficiency	30,00%	25,00%	20,00%
Emission of negative ions	no	no	no
Odor elimination	no	no	no

