

GreenMaster



Rotating Heat Exchanger



Double Plate Exchanger



Exhaust Heat pump



Single direction (Coils)

We help the Earth to save energy, and whats more important to save Power and CO₂

Volvo, SKF, Stena Fastigheter, Telia, Tele 2 and Telenor among others have saved huge amount of energy thanks to NIBE AirSite. The highest building in Reykjavik, homes, sports arenas, schools, offices, shopping centres, hospitals, and industries in several countries all have low energy consumption thanks to NIBE AirSite. NIBE AirSite has been involved in a long list of projects. With more energy-efficient air handling units and FreeCooling systems, we make it possible to recover energy, increase property value and conserve the Earth's resources.

NIBE AirSite is a member of NIBE Climate Solution. NIBE was started in Markaryd, Småland 70 years ago and has since then grown to an international company with over 16.000 employees around the World. Today, we have a flexible production and are customer focused. We develop our products from our own ideas, for example a unique defrost system on our double plate exchangers. Quick turnaround times make us efficient, and we always take care of our customers with great responsibility.



Energy efficiency and environmental concerns have been part of our business concept since we started, prompting us to focus on the life cycle cost, and always have the word TRUST in mind.

Operation, service and environmental impact. We want this cost to be as low as possible and regard it as a natural aspect of our product development. We are ISO certified under 9001 which we consider essential.

Our products and many years of experience enable us to identify innovative solutions for air handling which are perfect for your project.

We will gladly help you personally to achieve our common goal of protecting the Earth's resources.



Eurovent Certification is a certification body which verifies the performance of air handling units in accordance with European and international standards. It allows products from different manufacturers to be compared on equal terms.

Our GreenMaster air handling units have been tested by Eurovent in accordance with EN 1886, EN 13053 and in accordance to Eurovent documentation TCR ECP-05-2020-AHU. When performance calculations carry the mark below, you can be sure they have been certified by Eurovent Certification.



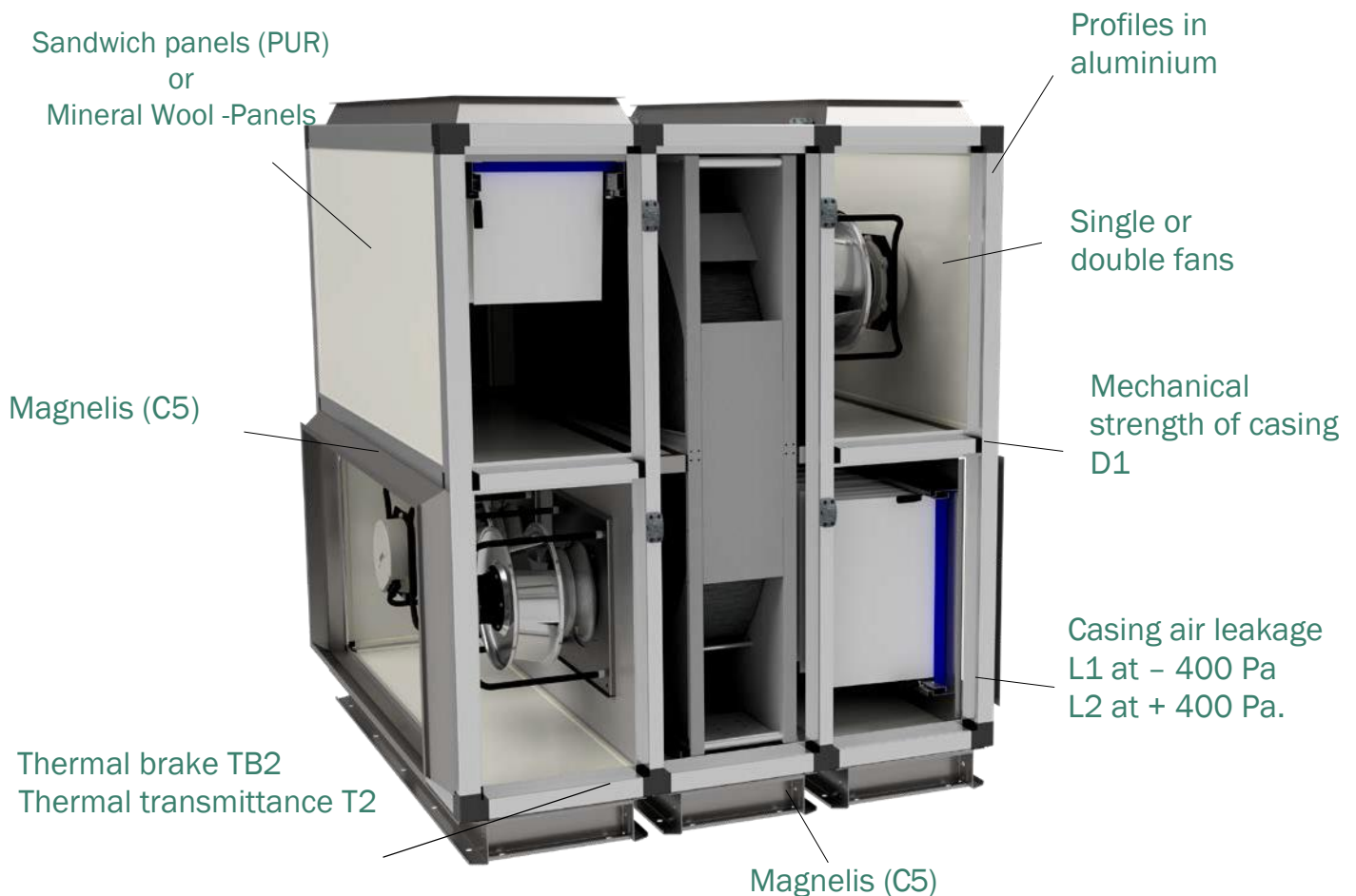
The Green solution that meets your needs

The GreenMaster range consists of the GreenMaster-@, GreenMaster-XXL GreenMaster-C and GreenMaster-HP.

All models are innovative unit-based solutions that provide high ability at the right price. The whole range has integrated control equipment.

The units have been developed with consideration to the market's need for low installation and operating costs. The GreenMaster range can be used in all types of property, e.g. schools, offices, hotels, shopping centres, industrial premises and hospitals.

GreenMaster – generally



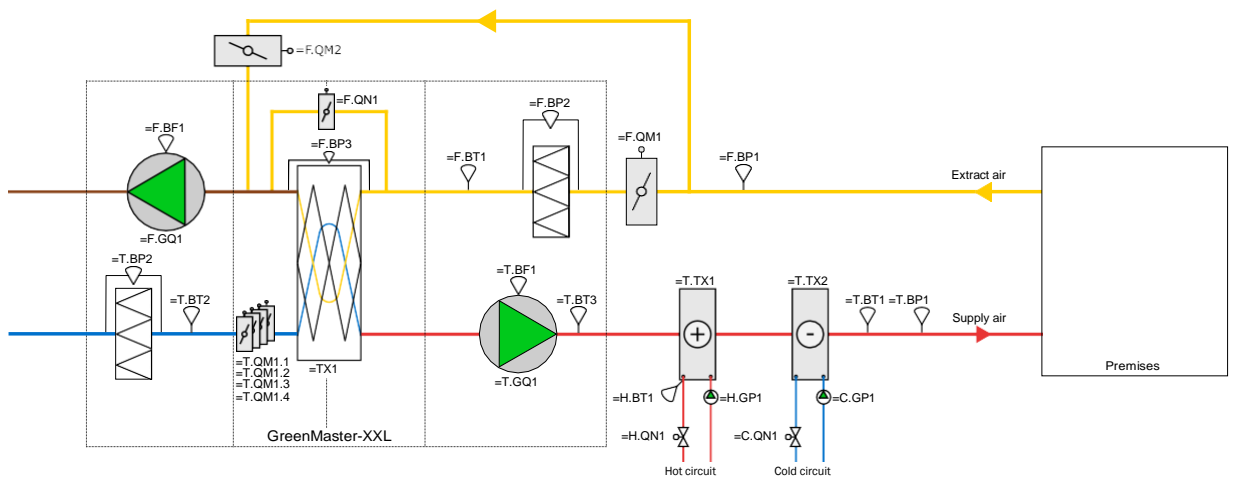
GreenMaster-XXL

GreenMaster-XXL is designed to use two plate heat exchangers in series which substantially increases energy efficiency. The supply air passes through the section-defrost damper and then in a straight air stream through the heat exchangers. The exhaust air vertically passes the heat exchanger in two steps and defrost the condensates much more efficiently than what a counter

flow heat-exchanger is capable of. By this layout, the heat exchangers are also easier to clean.

GreenMaster-XXL does not transfer any odours between the exhaust and supply air, and has a huge air flow range, from 0,2 m³/s to 16 m³/s (720 m³/h to 58.000 m³/h).

It is delivered with sectional defrosting as a standard function.



XXL Advantages

Air flow range 0,2–16m³/s (720 m³/h to 58.000 m³/h) in 13 sizes as standard. Bigger sizes as special.
With or without control equipment. Indoor or Outdoor units.
Heat exchangers efficiency (dry) up to 92% (SS- EN308:1997)

High performance Fans with EC-motors or PM-Motors. Double Plate exchanger with possibility to design Channel height (plate distance) to optimize SFP vs. Heat efficiency. Divisible with block joints or divisible for transport in confined spaces.

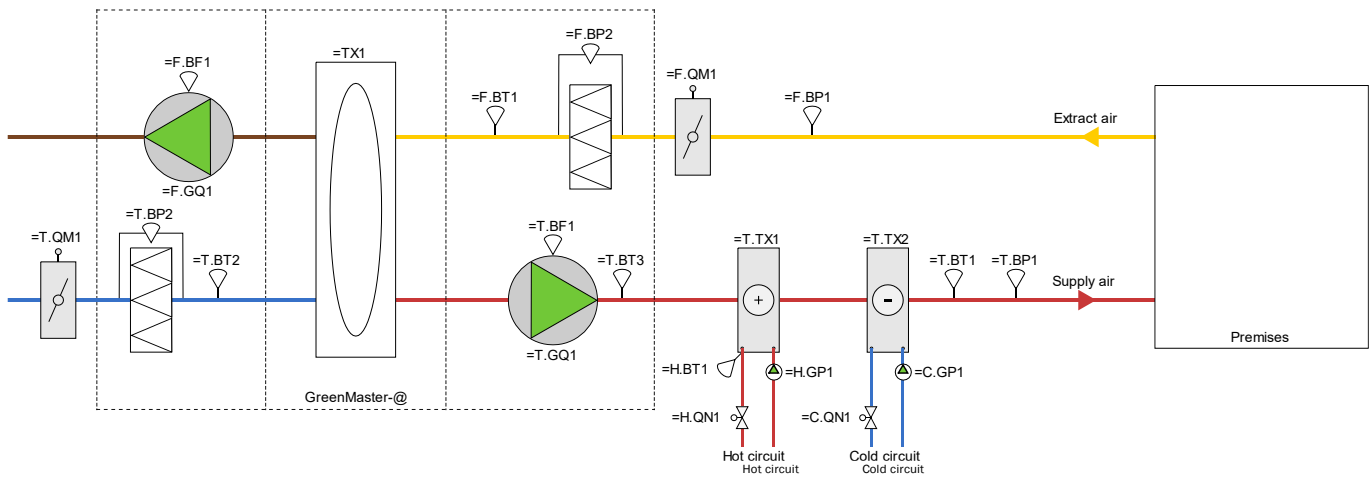
Heat exchanger Defrost function regulates with respect to temperature and pressure over the heat exchanger. Thanks to the active defrost system, the supply temperature after heat exchanger is so high that it is possible to save up to 66% on the air reheating power(kW).

GreenMaster Application provides the possibility to select and calculate dampers, filters, type of heat exchanger, heat and cooling coils, silencers, type and size of fans, with or without control system and electrical wiring, two variants of control system, windows, lighting and extra accessories.

GreenMaster-@

GreenMaster-@ use rotors which provides a very high efficiency. The dimensions and price are the big advantages compared to GreenMaster-XXL.

However, it requires that the premises to be ventilated through the same sets have fairly the same operations, since smell can be transmitted via the rotor and through its brush seals.



@ Advantages

Air flow range 0,2-16m³/s (720 m³/h to 58.000 m³/h) in 13 sizes as standard. Bigger sizes as special.
 With or without control equipment. Indoor or Outdoor units.
 Heat exchangers efficiency (dry) up to 86% (SS- EN308:1997)

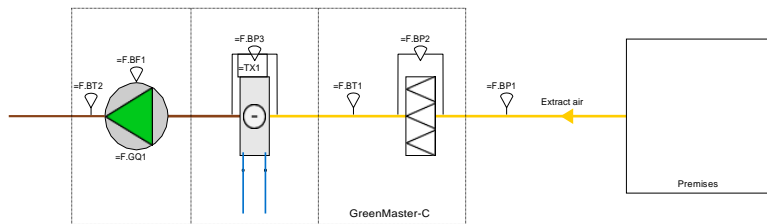
High performance Fans with EC-motors or PM-Motors. Rotary exchanger with possibility to design Well high to optimize SFP vs. Heat efficiency. Divisible with block joints or divisible for transport in confined spaces.

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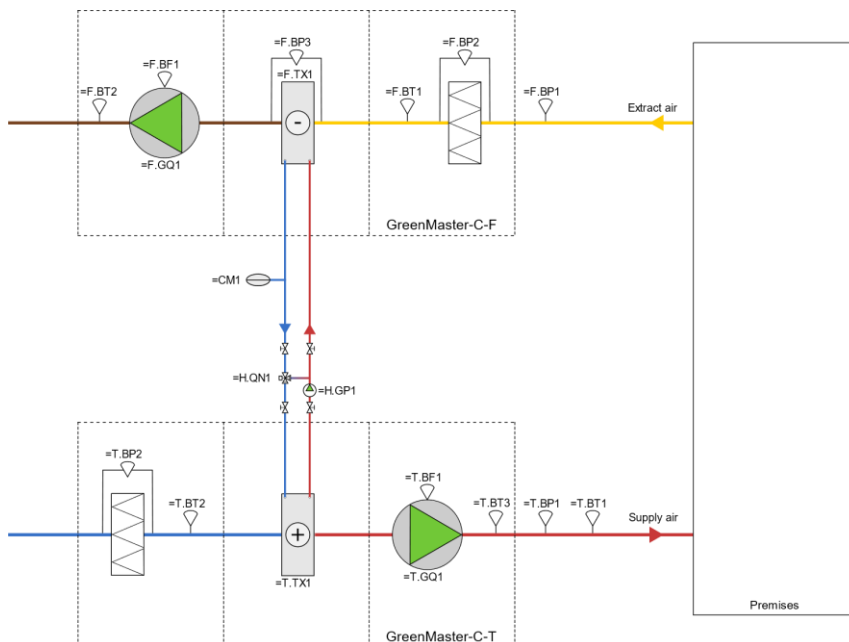
GreenMaster-C

GreenMaster-C-F is an exhaust air unit with heat recovery. The cooling coil between the filter and the fan is interlocked with the building's heat pump. The liquid mixture in the coil is usually ethyl alcohol or glycol, but it can be delivered with other refrigerants as well.

GreenMaster-C-T is a supply air unit with the possibility to heat the air with an inbuilt heating coil. The liquid mixture used in the coil is usually ethylene glycol or ethanol, although it can be delivered with other refrigerants as well.



GreenMaster-C-T and GreenMaster-C-F can be used with Heat recovery coils as well.

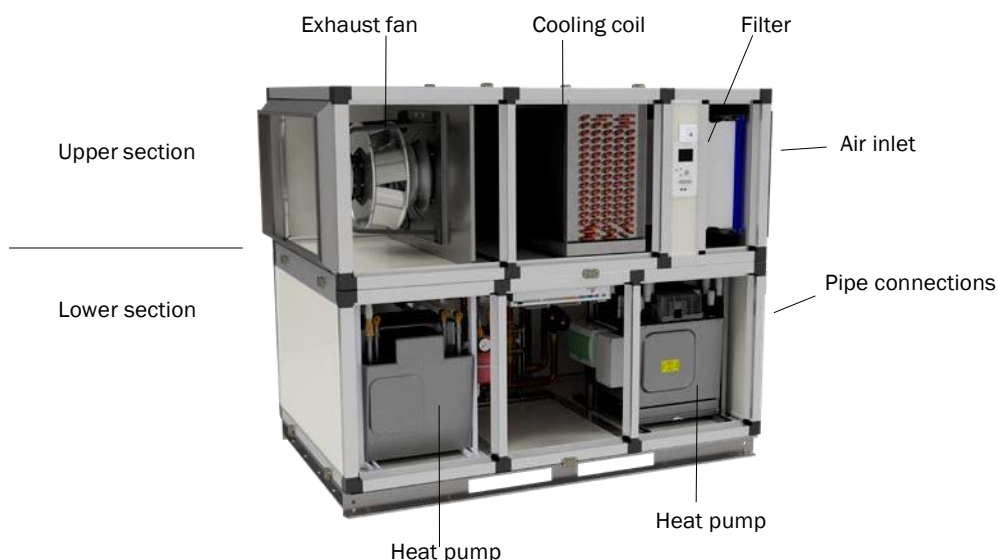


GreenMaster-HP

Exhaust Air Heat Pumps

The Swedish National Board of Housing (Boverket) has announced that it will be raising energy efficiency performance standards for housing in a couple of years. Our GreenMaster HP has been designed and engineered to meet the new standards and requirements of the Swedish National Board of Housing. It is an exhaust air unit with an integrated heat pump that recovers heat from exhaust air. The product works in buildings with exhaust air ventilation systems that do not currently recycle indoor air.

Through collaboration with NIBE, NIBE AirSite has developed a fantastic energy saving solution, with focus on reliability and low noise. With cooling modules from renowned NIBE, encapsulated with maximum sound proofing and vibration dampening insulation, and with high quality ventilation units from NIBE AirSite, GreenMaster is the ultimate solution for reliable and quiet energy saving



	Living space (m ²) ¹	Air flow (l/s)	Heat pump section	Cooling output heat pump (kW)	Energy consumption before switching to GreenMaster HP (kWh) ²	Annual COP at 55 °C	CO ₂ savings (kg/year)	Energy savings (kWh)	Energy coverage (%)	Power coverage (%)
GM-HP-2	860	400	GM-HP-12	9	123 885	4,1	4721	59 694	64	31
	1070	500	GM-HP-16	11	154 138	3,9	5793	73399	65	31
GM-HP-3	1290	600	GM-HP-16	13	185 829	3,9	6869	87 032	64	29
	1500	700	GM-HP-12-12	15	216 080	4,0	7826	97 704	62	29
	1710	800	GM-HP-16-12	18	246 331	3,9	9311	116 498	65	31
	1930	900	GM-HP-16-15	19	278 023	4,0	9971	124 596	61	29
GM-HP-4	1930	900	GM-HP-16-12	22	278 023	3,9	11 203	140 387	69	33
	2140	1000	GM-HP-16-15	24	308 275	4,0	12 274	153 745	68	33
	2360	1100	GM-HP-16-20	27	339 966	3,8	13 411	168 188	69	34
	2790	1300	GM-HP-16-30	32	401 910	3,6	15 638	196 697	70	34
GM-HP-5	3210	1500	GM-HP-16-30	35	458 547	3,6	17 303	217 273	67	31

¹ Based on 35 litres/second & apartment, and average apartment living space of 75 m²

² Dimensioning outdoor temperature for Gothenburg -16°C. Insulation level of the building 1980-1989. Heating output 45W/m² and hot water supplement on 1/5 of the total heating output. Heating medium 55/45°C. Brine 1/5°C.

GreenMaster-C + Heat Pump

C-F – Ventilation section with separate heat pump



	Heat pump	
	NIBE F1155	NIBE F1355
Width	600	600
Depth	620	620
Height	1,500-1,525 1,800-1,825	

Choosing your GreenMaster-C and Heat pump

	Living space (m ²) ¹	Air flow (l/s)	Heat pump section	Cooling output (kW)
GM - C-2	860	400	NIBE F1155-12	9
	1070	500	NIBE F1155-16	11
GM - C-3	1 286	600	NIBE F1155-16	13
	1 929	900	NIBE F1355-28	19
GM - C-4	2 143	1000	NIBE F1355-45	25
	3 214	1500	F1355-45 + F1155-12	37
GM - C-5	3 429	1600	F1355-45 + F1155-12	37
	4 500	2100	F1355-45 + F1355-28	48
GM - C-6	4 714	2200	2x F1355-45	57
	6 643	3100	2 x F1355-45 + F1155-12	70
GM - C-7	7 286	3400	2 x F1355-45 + F1155-16	76
	9 000	4200	3 x F1355-45	94

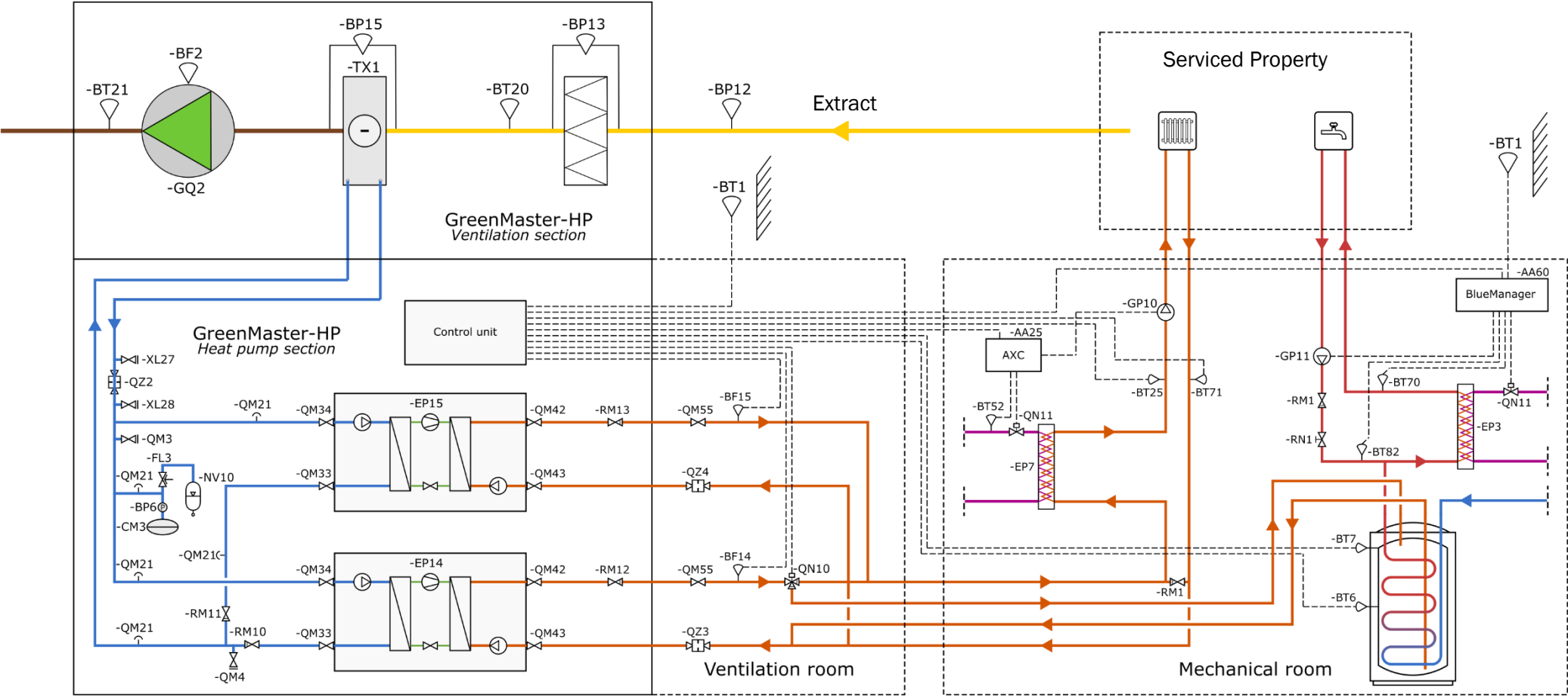
	Living space (m ²) ¹	Air flow (l/s)	Heat pump section	Cooling output (kW)
GM - C-8	6 429	3000	2 x F1355-45 + F1155-12	71
	10 714	5000	3 x F1355-45 + F1355-28	118
GM - C-9	8 571	4000	3 x F1355-45	95
	12 857	6000	4 x F1355-45 + F1355-28	142
GM - C-10	10 714	5000	4 x F1355-45	120
GM - C-11	17 143	8000	6 x F1355-45	190
GM - C-12	17 357	8100	6 x F1355-45	192
	21 429	10 000	8 x F1355-45	235
GM - C-13	21 643	10 100	8 x F1355-45	241
	25 714	12 000	9 x F1355-45	285
GM - C-13	23 571	11 000	9 x F1355-45	262
	36 429	17 000	9 x F1345-60	400

¹ Based on 35 litres/second & apartment, and average apartment living space of 75 m²

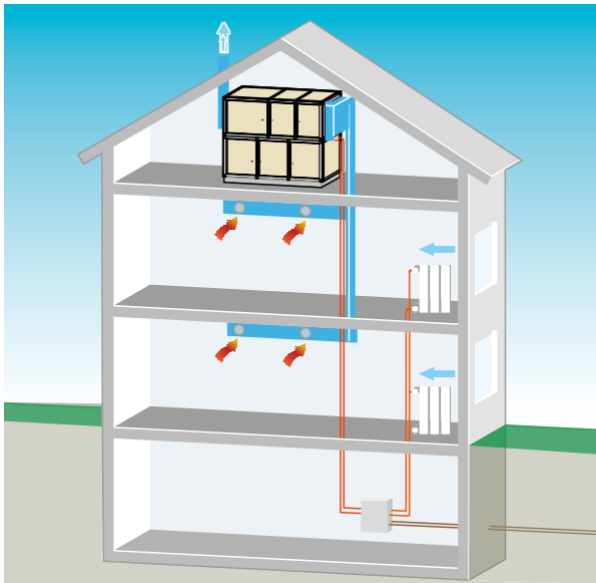
² Dimensioning outdoor temperature for Gothenburg -16°C. Insulation level of the building 1980-1989. Heating output 45W/m² and hot water supplement on 1/5 of the total heating output. Heating medium 55/45°C. Brine 1/5°C.

GreenMaster-HP Control system

The performance of GreenMaster-HP is optimized and completed by a unique and clever control unit, developed in collaboration with NIBE, which efficiently regulates the entire system, based on a multitude of sensors. To maximize the heat pumps performance, the control system is crucial to recycling as much energy as possible in the system. We combine NIBE knowledge with AirSite flexibility and the result is a possibility to regulate up to 30 fire dampers per GreenMaster, Modbus TCP and full regulation of hot water & heating.



GreenMaster-HP-Indoor



GreenMaster HP Compact

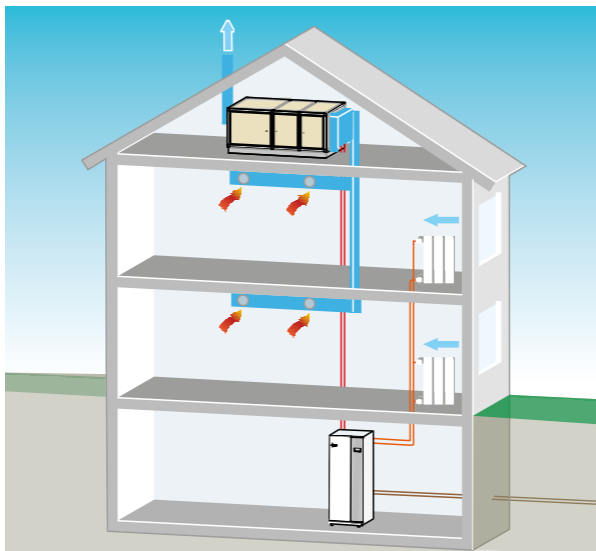
A compact solution where the exhaust air ventilation section and the heat pump section are combined in a factory assembled unit and the brine pipes are preconnected inside the unit. GreenMaster-HP Compact is ideal where there is enough height and enough space to install everything together.

Upper section

GreenMaster casing
Filter
Cooling coil (brine)
Fire bypass
Exhaust air fan

Lower section

Inverter-controlled 12 or 16 kW
On/off-controlled 12, 15, 20 or 30 kW
Vents, pipes, insulation, pumps, etc.



GreenMaster C-F with separate heat pump

Ideal in attics with a low ceiling and an exhaust air ventilation system. The heat pump is installed in the mechanical room, which means fewer units in the attic for technicians to inspect and service.

Separate unit

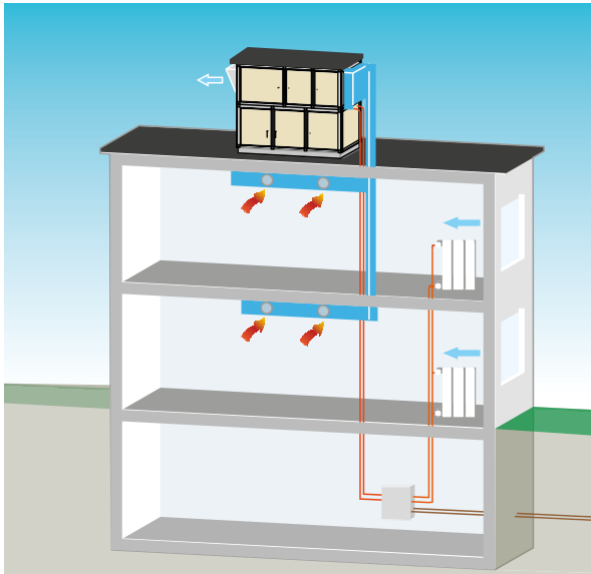
GreenMaster casing
Filter
Cooling coil (brine)
Fire bypass
Exhaust air fan
GreenManager

Separate module

F1155-12, -16
F1355-28, -45
Including control module for cloud connection
Performed on site
Vents, pipes, insulation, pumps, etc.
Filling
Commissioning

GreenMaster-HP-Outdoor

If there is no room inside the building, the unit can be installed on the roof.



GreenMaster HP Compact (Outdoor version)

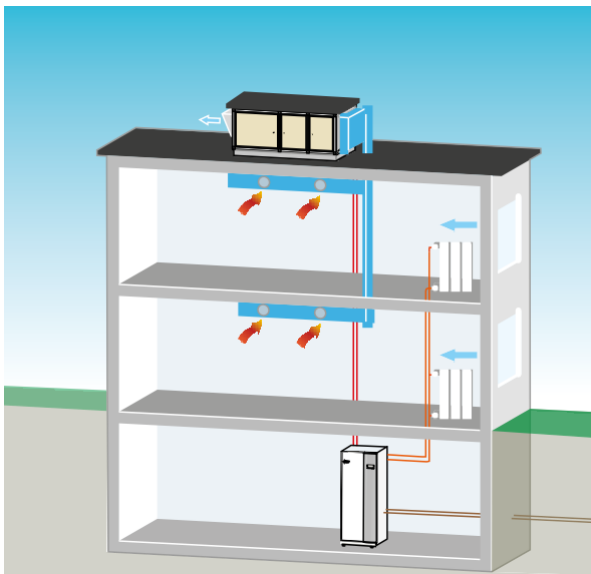
A compact solution where the exhaust air ventilation section and the heat pump section are combined in a factory-assembled unit and the brine pipes are pre-connected inside the unit. GreenMaster HP Compact is ideal where there is enough height and enough space to install everything together.

Upper section

GreenMaster casing with roof
Filter
Cooling coil (brine)
Fire bypass
Exhaust air fan
Extract air hood

Lower section

Inverter-controlled 12 or 16 kW
On/off-controlled 12, 15, 20 or 30 kW
Vents, pipes, insulation, pumps, etc.



GreenMaster C-F (Outdoor version) with separate heat pump

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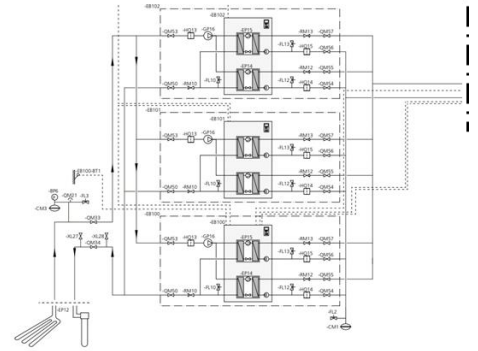
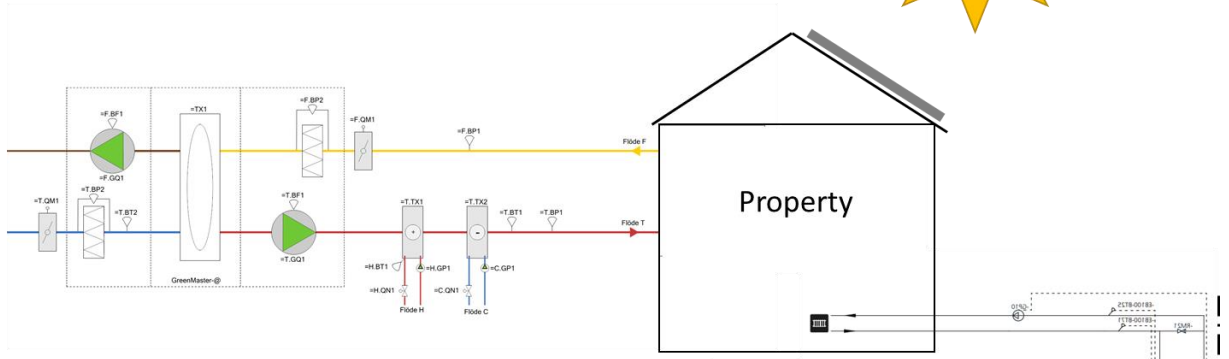
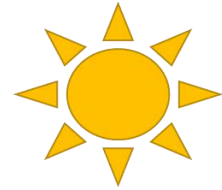
Separate unit

GreenMaster casing with roof
Filter
Cooling coil (brine)
Fire bypass
Exhaust air fan
Extract air hood
GreenManager

Separate module

F1155-12, -16
F1355-28, -45
Including control module for cloud connection
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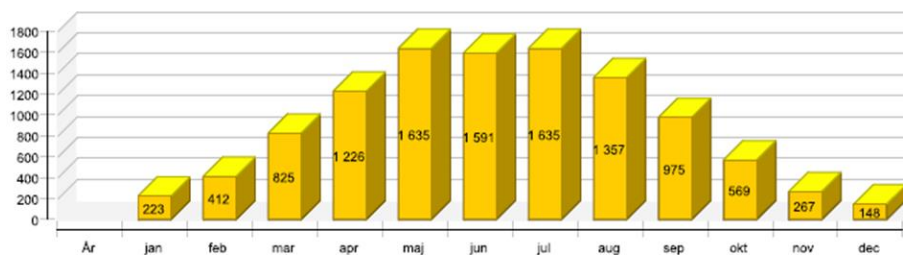
Handles all climates better



Just imagine having a nice indoor climate using the cold water from the boreholes and at the same time store energy in the ground to be used in wintertime. NIBE AirSite and NIBE can offer you a system for the future.

Utbyte solel AC [Qinv]

kWh



År	jan	feb	mar	apr	maj	jun	jul	aug	sep	okt	nov	dec	
Utbyte solel DC [Qpvf]													
kWh	11257	234	430	857	1269	1690	1645	1689	1405	1010	593	280	156
Strålning på modulplanet [Esol PV]													
kWh	70801	1444	2616	5200	7810	10579	10425	10822	9023	6420	3721	1759	982
Utbyte solel AC [Qinv]													
kWh	10863	223	412	825	1226	1635	1591	1635	1357	975	569	267	148

Top performance- Heat exchangers

On a cold winter's day with or a hot summer day we can recover enough energy from the extract air to the supply air using a rotary heat exchanger.



Rotary heat exchanger

High-efficiency heat recovery unit with a dry temperature efficiency of up to 86 % (SS-EN308:1997). For each unit size, there are different rotor well heights to optimise the efficiency.

Efficiency

In the industry, the performance of heat recovery units is presented in different ways. For example, we might talk about dry and wet temperature efficiency.

According to the EN 308 standard, dry efficiency should be reported. This method is used to avoid giving a misleadingly high performance by incorrectly utilising the air humidity.

Double Plate exchanger

Heat exchangers efficiency (dry) up to 92 % (SS- EN308:1997)

Designed to use two plate heat exchangers in series which substantially increases energy efficiency.

The supply air passes in a straight air stream through the heat exchangers and then through the section defrost dampers.

The exhaust air vertically passes the heat exchanger in two steps and defrost the condensation much more efficiently than what a counter flow heat exchanger is capable of. By this layout, the heat exchangers are also easier to clean.



Top performance- Fans

The GreenMaster range is available with a wide range of high-efficiency fans and motors in order to optimise efficiency of the fans and minimise electricity consumption. Each fan impeller and motor is balanced and test run together to guarantee function, ensuring a long technical life



Fans with PM motors and EC control

Available for GreenMaster-@, GreenMaster-XXL and GreenMaster-C in sizes 1-13.

- Rotating diffuser and airfoil blades
- Aluminium/composite fan impeller
- For GreenMaster, single and dual fans can be supplied for optimal performance
- Permanent magnet motor, efficiency class equivalent to IE4
- Each unit size is available with various fans and motors in order to optimise efficiency and reduce electricity consumption, i.e. optimise to the lowest possible specific fan power value (SFPv)

Fans with PM-motors and integrated frequency inverters

Available for GreenMaster in the sizes 4-13.

- Fan impeller with rotating diffuser and airfoil blades, which provide a higher fan efficiency
- Epoxy-coated steel impellers
- Can be supplied with single and dual fans for optimal performance
- Permanent magnet motors with speed control, efficiency class equivalent to IE4
- Each unit size is available with various fans and motors in order to optimise efficiency and reduce electricity consumption, i.e. optimise to the lowest possible specific fan power value (SFPv)



Top performance Silencers & Coils



GreenMaster - Silencers

NIBE AirSite produce Built in or duct silencers. Pressure drop and sound performances will be calculated in GreenMaster Application



GreenMaster - Coils

Each coil in GreenMaster Application will be calculated as a unique coil, designed for the best performance and not as a “stock”-coil. We offer ducted coils or built in GreenMaster coils.

Casing stands tough conditions

NIBE AirSite are situated at the Swedish west coast and are used to heavy rain, salt coming from streets and sea. Our units have been designed to be installed indoor or outdoor without problems.

As a result of product development, the entire range has a casing with optimal energy performance and design.

We have worked on innovative solutions throughout the entire manufacturing process, enabling us to offer AHUs with minimised heat losses through the casing. According to the EN 1886 standard, the classification of the casing is determined by the U value. The lower the number, the better the insulation capacity.

Profiles

A frame of aluminium profiles and nylon corners forms the body of the Air Handling Unit. The aluminium profiles have an integrated thermal brake, made of Polyamide (PA) and a sealing strip specially developed for the system

Panels (PUR)

The middle plane consists of 45 mm sandwich panels made of Polyurethane and varnished (similar to RAL9002) 0,6 mm galvanized sheets. Which gives the product a corrosion resistance according to class C4

Panels (Mineral Wool)

The ceiling, the bottom and the back sides are constructed of 45 mm thick cassettes with mineral wool insulation in between sheets of Magnelis, giving a corrosion resistance class C5. The insulation has a density of 125 kg/m³

Support Frame

The beam frame is 120 mm high profile of 3 mm Magnelis (C5) adapted for lifting and transport to the machine room.

Leakage class

PUR At -400Pa: L1, At +700Pa: L2
Mineral Wool L2

Class of resistance

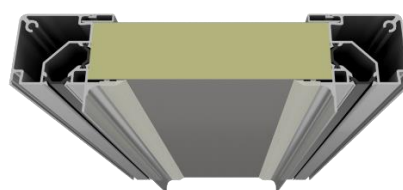
PUR D1
Mineral Wool D2

Thermal transmittance

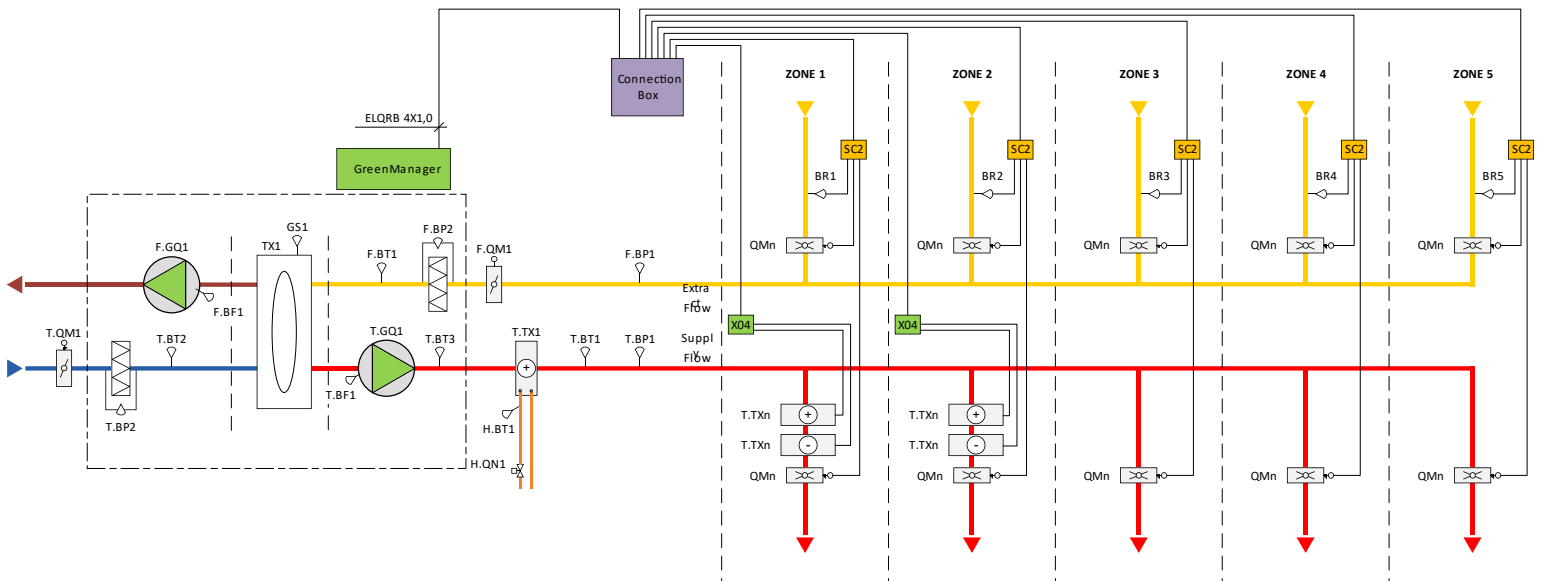
PUR T2
Mineral Wool T2

Thermal bridge

PUR TB2
Mineral Wool TB3



Control communication with endless possibilities



When you order a unit from the GreenMaster range, you receive a complete air handling unit that has been function-tested and is ready to be commissioned. We are continuously developing the software and adding new smart features, enabling the lowest energy use and the best indoor climate. The functions can be adapted as required and some examples of applications are zone control, various fire functions and dew point control.

The unit is supplied with project specific wiring and control diagrams, and a display with tree-structure that allows you to optimise flows, temperatures, IP-number, P-band and I-time etc. With a PC and our designed user-friendly software is easy to read and change parameters.

Fieldbuses:

ModBus RTU / Modbus TCP / SioX / ADS / OPC-UA

Two Alternatives of GreenManager

GreenManager

For more than ten years, NIBE AirSite has delivered thousands of reliable control units built on this foundation. The GreenManager platform contains a high-level programmed controller with an ARM processor that handles various I/O and fieldbus technologies. It is constantly evolving thanks to ongoing development in the platform. As an example, we still support updates for all revisions in the GreenManager platform.

Through the years, we have added numerous functions, such as fire zone control and zone regulation with SIOX expansion modules. All built in and activated with a click in our PC software. No programming knowledge is needed.

GreenManager is a very cost-effective product with huge amount of possibilities.

GreenManager PLC

In 2020, NIBE AirSite started a collaboration with Beckhoff to be able to offer a PLC-based hardware to our ventilation customers. One of the most popular hardware among large property owners because of the open PLC. The scalable platform with block programming and even more possibilities.

Products and solutions using PC-based control technology has been the basis for the continued success of PLC based systems. Many automation technology standards that are taken for granted today were conceptualised by Beckhoff at an early stage and successfully introduced to the market.

The PC Control philosophy and the invention of the Lightbus system, the Bus Terminals and TwinCAT automation software represent milestones in automation technology and have become accepted as high-performance alternatives to traditional control technology. GreenManager PLC also supports EtherCAT, the real-time Ethernet solution.

How to choose size and type

In the diagram below it is possible to make a quick choice on a GreenMaster size. End of the green field or beginning of the blue field is probably a good choice. Forced Airflow is meant for the yellow field.

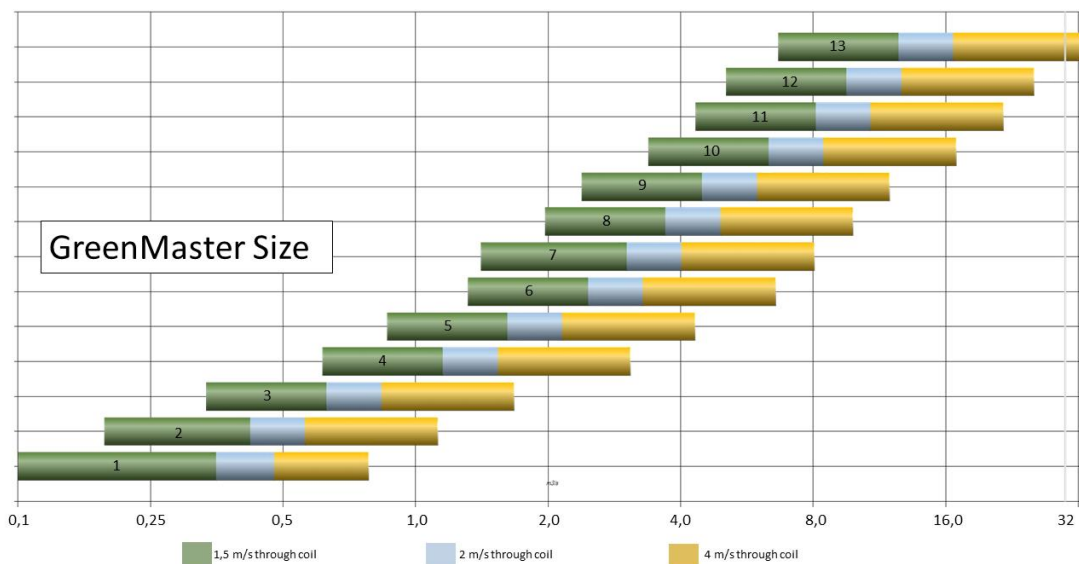
End of the green field is approximately 1,5m/s over a built-in coil, End of blue is 2,0 m/s and end of yellow 4,0 m/s.

GreenMaster-@ and GreenMaster MiniMax-@ has the same width and height but the fan/filter section has been more compact in MiniMax-@

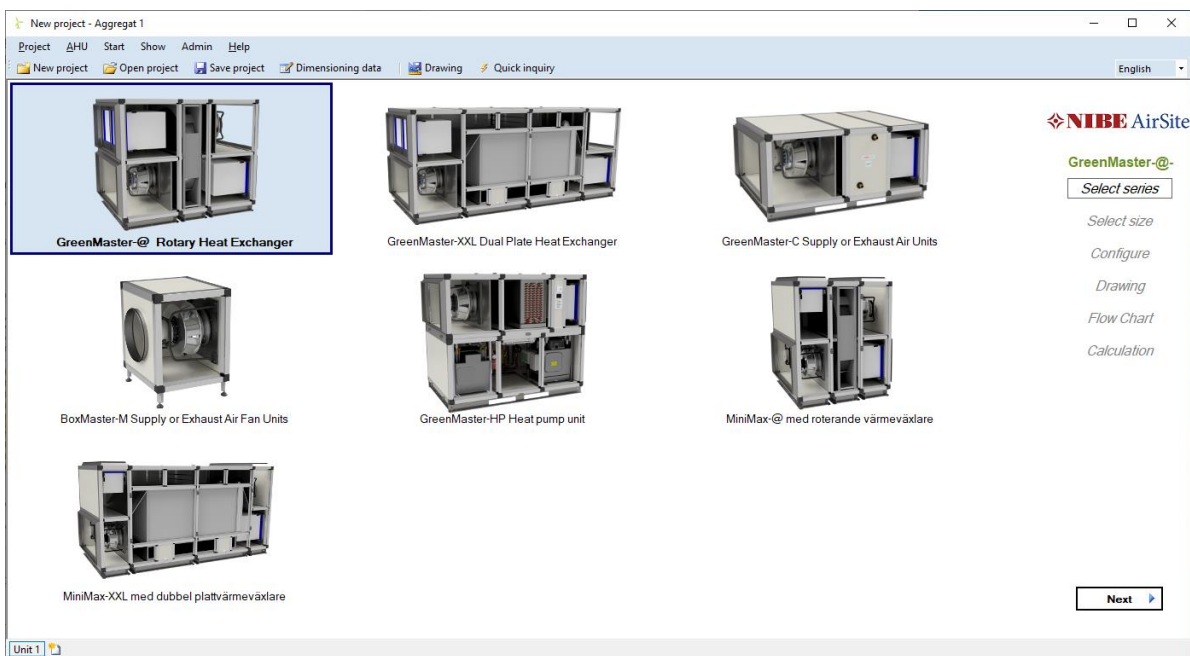
GreenMaster-XXL and GreenMaster-MiniMax-XXL has the same width and height but the fan/filter section has been more compact in MiniMax-XXL

GreenMaster-MiniMax is shorter because we are using two parallel wall mounted EC-Fans. The filter is slightly shorter compared to standard.

GreenMaster capacity diagram

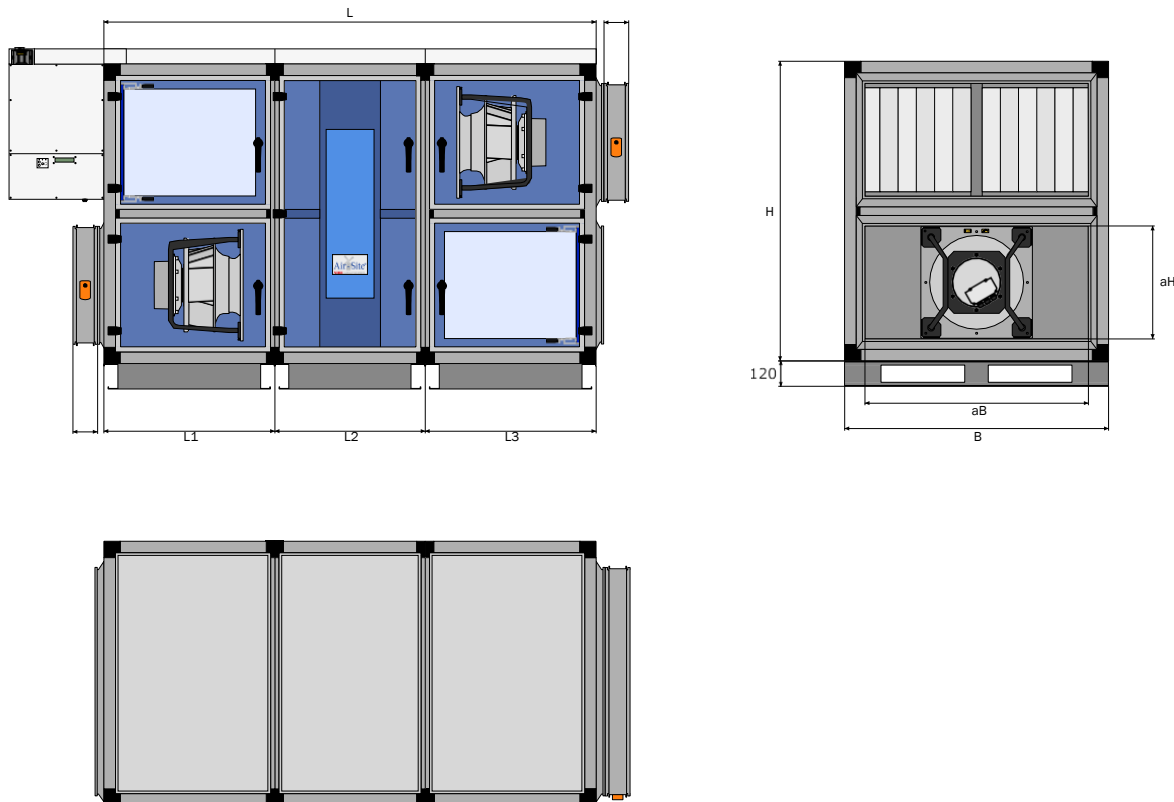


Download GreenMaster Application and calculate the Air Handling Unit in detail for exact information.



GreenMaster-@

We have designed GreenMaster-@ in order to have perfect size for all internal components and have space enough for comfortable service.



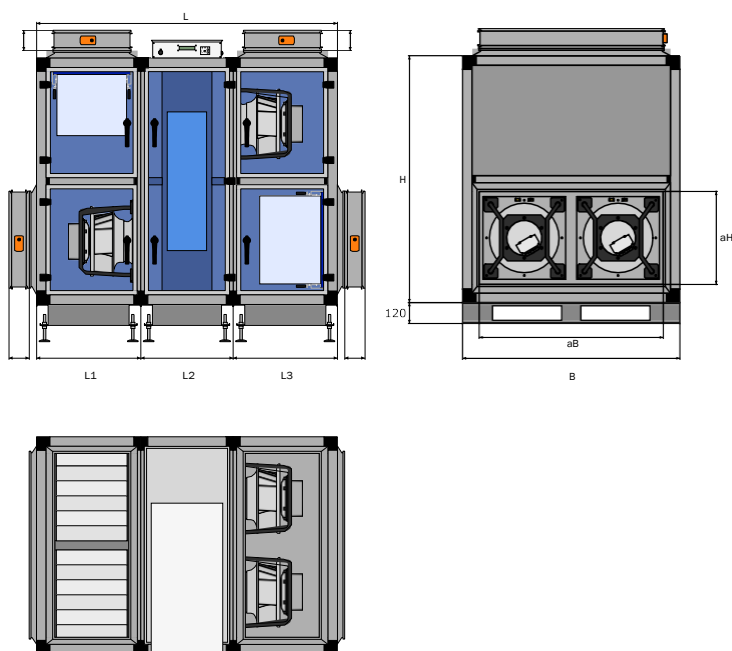
GreenMaster-@

GM-@	1	2	3	4	5	6	7	8	9	10	11	12	13
B	710	910	1010	1410	1710	2010	2210	2430	2710	3130	3430	3730	4130
H	916	1136	1396	1616	1766	2160	2360	2560	2760	3260	3610	3610	4666
L	1200	1700	1900	2100	2300	2600	2600	3000	3000	3500	3500	3500	3900
L1	-	600	700	800	900	1000	1000	1200	1200	1400	1400	1400	1600
L2	-	500	500	500	500	600	600	600	600	700	700	700	700
L3	-	600	700	800	900	1000	1000	1200	1200	1400	1400	1400	1600
aB	500	750	800	1200	1500	1800	1900	2000	2000	2600	2900	3200	3600
aH	300	400	500	600	700	900	900	1000	1200	1400	1600	1600	2000

Find coils and silencers measure in GreenMaster Application! Also, a lot of other possibilities in the selection software, for example "FID" Fire evacuation. Weight, Ampere, SFP, Efficiency and other information will be presented in GreenMaster Application which can be downloaded at <http://www.nibeairsite.com/en/download/aggreatvalsprogram>

GreenMaster-MiniMax-@

GreenMaster-@-MiniMax has the same width and height as @, but the length is shorter thanks to compact filter/fan solution.



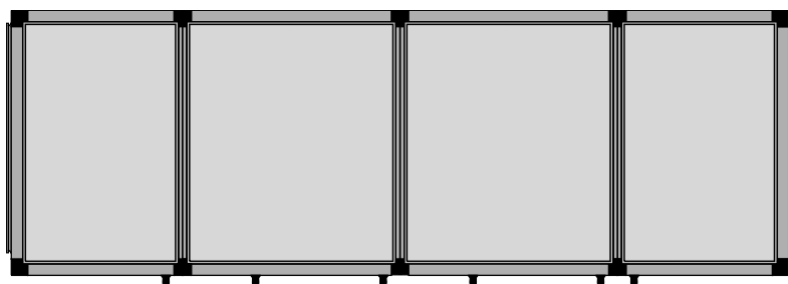
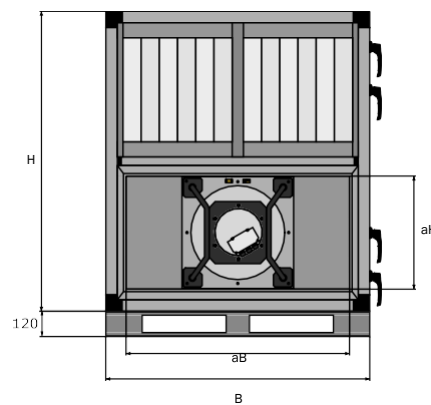
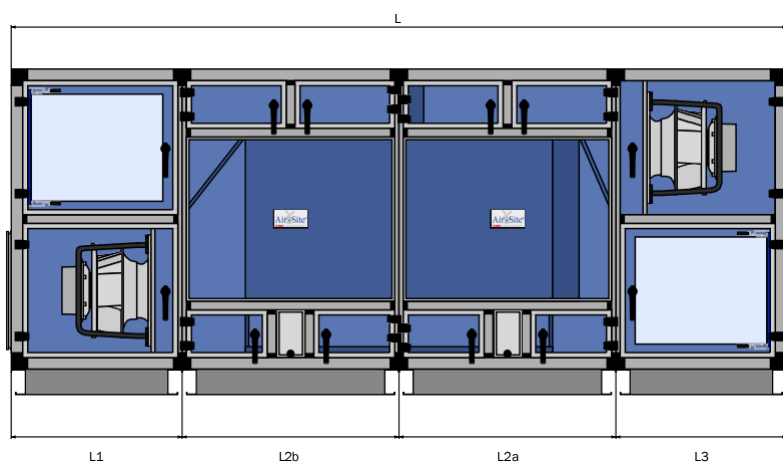
GreenMaster-@-MiniMax

GM-@-MiniMax	3	4	5	6
B	1010	1410	1710	2010
H	1396	1616	1766	2160
L	1570	1570	1570	1870
L1	535	535	535	635
L2	500	500	500	600
L3	535	535	535	635
aB	800	1200	1500	1800
aH	500	600	700	900

Find coils and silencers measure in GreenMaster Application! Also, a lot of other possibilities in the selection software, for example "FID" Fire evacuation. Weight, Ampere, SFP, Efficiency and other information will be presented in GreenMaster Application which can be downloaded at <http://www.nibeairsite.com/en/download/aggregatvalsprogram>

GreenMaster-XXL

We have designed GreenMaster-XXL in order to have perfect size for all internal components and have space enough for comfortable service.



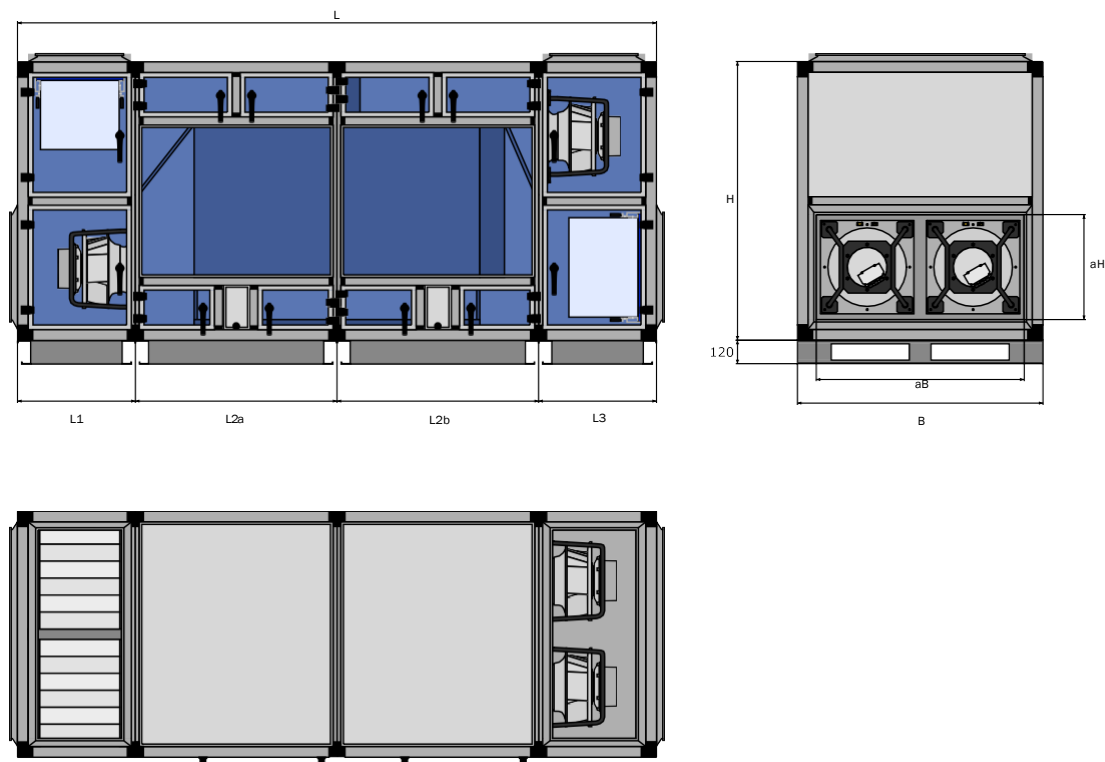
GreenMaster-XXL-

GM-XXL	1	2	3	4	5	6	7	8	9	10	11	12	13
B	710	910	1010	1410	1710	2010	2210	2430	2710	3130	3430	3730	4130
H	916	1136	1396	1616	1766	2160	2360	2560	2760	3260	3610	3610	4666
L	2250	2660	3520	4000	4440	5200	5200	6300	3000	7900	7900	8500	9500
L1	400	600	700	800	900	1000	1000	1200	1200	1400	1400	1400	1600
L2	725	730	1060	1200	1320	1600	1600	1950	1950	2550	2550	2850	3150
L3	400	600	700	800	900	1000	1000	1200	1200	1400	1400	1400	1600
aB	500	750	800	1200	1500	1800	1900	2000	2000	2600	2900	3200	3600
aH	300	400	500	600	700	900	900	1000	1200	1400	1600	1600	2000

Find coils and silencers measure in GreenMaster Application! Also, a lot of other possibilities in the selection software, for example "FID" Fire evacuation. Weight, Ampere, SFP, Efficiency and other information will be presented in GreenMaster Application which can be downloaded at <http://www.nibeairsite.com/en/download/aggregatvalsprogram>

GreenMaster-XXL-MiniMax

GreenMaster-XXL-MiniMax has the same width and height as XXL, but the length is shorter thanks to compact filter/fan solution



GreenMaster-XXL-MiniMax

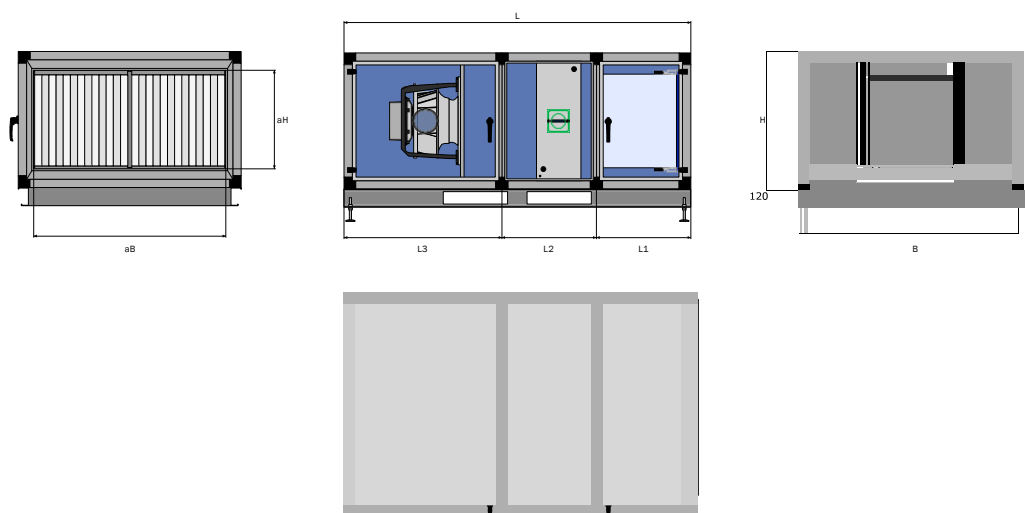
GM-XXL-MiniMax	2	3	4	5	6
B	910	1010	1410	1710	2010
H	612	720	860	912	1114
L	1900	2100	2100	2100	2300
L1	600	700	600	600	600
L2	700	700	700	700	700
L3	600	700	800	800	1000
aB	750	800	1200	1500	1800
aH	400	500	600	700	900

Find coils and silencers measure in GreenMaster Application!

Weight, Ampere, SFP, Efficiency and other information will be presented in GreenMaster Application which can be downloaded at <http://www.nibeairsite.com/en/download/aggreatvalsprogram>

GreenMaster-C

We have designed the GreenMaster-C in consideration to our partners in NIBE Climate Solutions. It is possible to connect a NIBE Heat Pump in order to take the energy from extract air. GreenMaster-C can be made as supply or exhaust unit, in GreenMaster Application.



GreenMaster-C

GM-C	2	3	4	5	6	7	8	9	10	11	12	13
B	910	1010	1410	1710	2010	2210	2430	2710	3130	3430	3730	4130
H	612	720	860	912	1114	1214	1314	1414	1664	1839	1839	2367
L	1900	2100	2100	2100	2300	2300	2500	2500	2500	2700	2700	2700
L1	600	700	600	600	600	600	600	600	600	600	600	600
L2	700	700	700	700	700	700	700	700	700	700	700	700
L3	600	700	800	800	1000	1000	1200	1200	1200	1400	1400	1400
L4												
aB	750	800	1200	1500	1800	1900	2000	2000	2600	2900	3200	3600
aH	400	500	600	700	900	900	1000	1200	1400	1600	1600	2000
FidB	700	800	1200	1500	1800	1900	2000	2000	2600	2900	3200	3600
FidL	200	200	200	200	200	200	200	300	300	400	400	400

Find coils and silencers measure in GreenMaster Application!
 Weight, Ampere, SFP, Efficiency and other information will be presented in GreenMaster Application
 which can be downloaded at <http://www.nibeairsite.com/en/download/aggreatvalsprogram>

Welcome to read about us and
our product at:
www.nibeairsite.com
or contact us to find out more.

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