



Plug and play heat-recovery unit

Increasingly high demands are being placed on the air quality in buildings. Multiple ventilation is often needed in order to comply with these demands. A great deal of energy is lost when standard ventilation equipment is used. To counter the loss of energy, Mark has included a heat-recovery unit, the AIRSTREAM, in its product range. The unit is equipped with a cross-flow exchanger which has an efficiency of 90%. This means that 90% of the energy expelled is supplied to the fresh intake air. This high-efficiency means that in many cases no after-heating is required. The AIRSTREAM heat exchanger unit is available for both internal and external use.

Possible applications for the AIRSTREAM include: offices, schools, workshops and changing areas.

The end-user of this heat-recovery unit may be eligible for the EIA-scheme. Find out about the possibilities and conditions.

mark

Features:

- Efficiency > 90%
- Air amounts between 600-16800 m³/h
- A certified high-efficiency counterflow heat exchanger equipped with bypass
- 45 mm environmentally friendly foam sandwich panel
- The outer panelling consists of galvanized plate coated in RAL 9002 (white - grey)
- The internal panelling consists of extremely corrosion-resistant sendzimir zinc
- Thermal-bridge-free cabinet construction with aluminum profiles
- Seamless connection of the panels to the inside with rubber seal (hygienic)
- High external pressure possible
- Removable doors
- Indoor and outdoor installation
- Low noise level
- Plug & Play-version
- Supplied pre-assembled
- Various construction types possible as standard as well as specials on request
- Plug Fans equipped with energy-saving EC-motors


- Certification according to "Energieeffizienzklasse" A+ mid-2014

Optional:

- Pre- and re-heating: electric, gas, water, change-over
- Cooling coil
- Heat wheel



Get In Touch

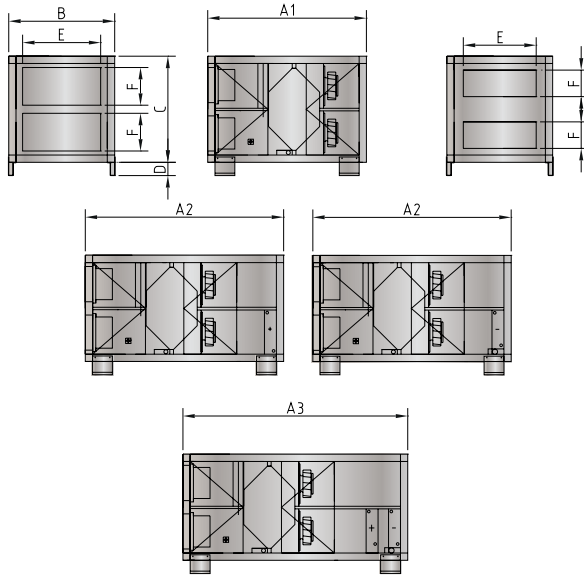
-  Call: 0845 6880112
-  Email: info@adremit.co.uk

Our Address

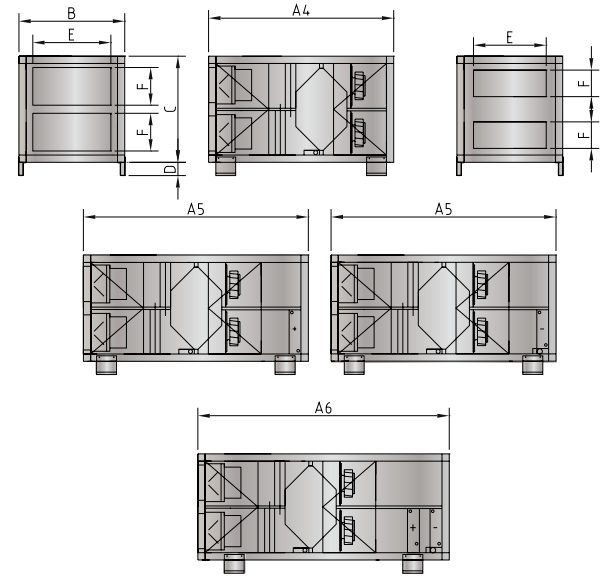
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Dimensions

Indoor version



Outdoor version



T	A1	A2	A3	A4	A5	A6	B	C	D	E	F
600	1700	2000	2200	1900	2200	2400	1000	900	100	565	265
1200	1800	2100	2300	2000	2300	2500	1100	1150	100	565	265
1600	2000	2300	2500	2200	2500	2700	1050	1150	100	565	265
2300	2100	2400	2600	2300	2600	2800	1300	1400	100	565	465
3500	2200	2500	2700	2400	2700	2900	1400	1400	100	1155	465
4800	2500	2800	3000	2700	3000	3200	1500	1700	100	1155	465
6200	2700	3000	3200	2900	3200	3400	1700	1750	100	1155	565
8000	2700	3000	3200	2900	3200	3400	2350	1600	180	1745	565
9600	3000	3300	3500	3200	3500	3700	2000	1950	180	1745	565
12000	3100	3400	3600	3300	3600	3800	2400	1950	180	2030	565
14400	3100	3400	3600	3300	3600	3800	2900	1950	180	2330	565
16800	3200	3500	3700	3400	3700	3900	3400	2100	180	2030	865

- A1 Standard unit
- A2 Unit with after-heater or cooler
- A3 Unit with after-heater or cooler
- A4 Standard unit with external air valve
- A5 Unit with external air valve, after-heater or cooler
- A6 Unit with external air valve, after-heater or cooler

Technical information

Airstream		600	1200	1600	2300	3500	4500	6200	8000	9600	12000	14400	16800
Maximum air volume	m ³ /h	600	1200	1600	2300	3500	4800	6200	8000	9600	12000	14400	16800
Maximum external pressure	Pa	400	350	275	540	300	450	700	400	650	350	370	700
Efficiency	%	90	90	90	90	90	90	90	90	90	90	90	90
Maximum current	A	5,6	5	5	3,4	3,4	5,2	9,2	9,2	13,2	13,2	14,2	26,4
consumption per unit													
Weight of unit for L = A1	kg	205	304	360	461	586	732	899	1028	1353	1512	1740	2383
Weight of unit for L = A2	kg	243	352	413	518	655	804	964	1122	1451	1617	1856	2519
Weight of unit for L = A3	kg	269	384	448	557	702	852	1041	1186	1517	1688	1934	2609
Weight of unit for L = A4	kg	230	336	395	499	632	780	956	1091	1419	1582	1817	2474
Weight of unit for L = A5	kg	269	384	448	557	702	852	1041	1186	1517	1668	1934	2609
Weight of unit for L = A6	kg	294	416	483	595	748	900	1098	1249	1563	1758	2011	2700
Supply voltage (50Hz)	V	1~230	1~230	1~230	3~400+N	3~400+N	3~400+N	3~400+N	3~400+N	3~400+N	3~400+N	3~400+N	3~400+N

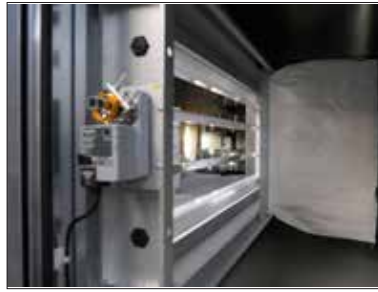
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Accessories – additional sections



The Airstream can be equipped with the following options:
Integrated valves for external air, waste air, recirculated air.
Integrated pre- and after-heater (electric or hot water), change-over system, integrated cooler (cold water or DX).

Assembly/location suggestions



Indoor version



Outdoor version

Mark Airstream

Mark Airstream is constructed with 45 mm prefab insulated panels. The mechanical strengths of the casing have been tested according to NEN-EN 1886.

- Deflection: Class D1
- Air leakage: Class L1
- Thermal transmission: Class T2
- Thermal bridging: Class TB2

The fans in the air handling units are equipped with high-efficiency intelligent centrifugal fans with EC-technology, the advantages of which are:

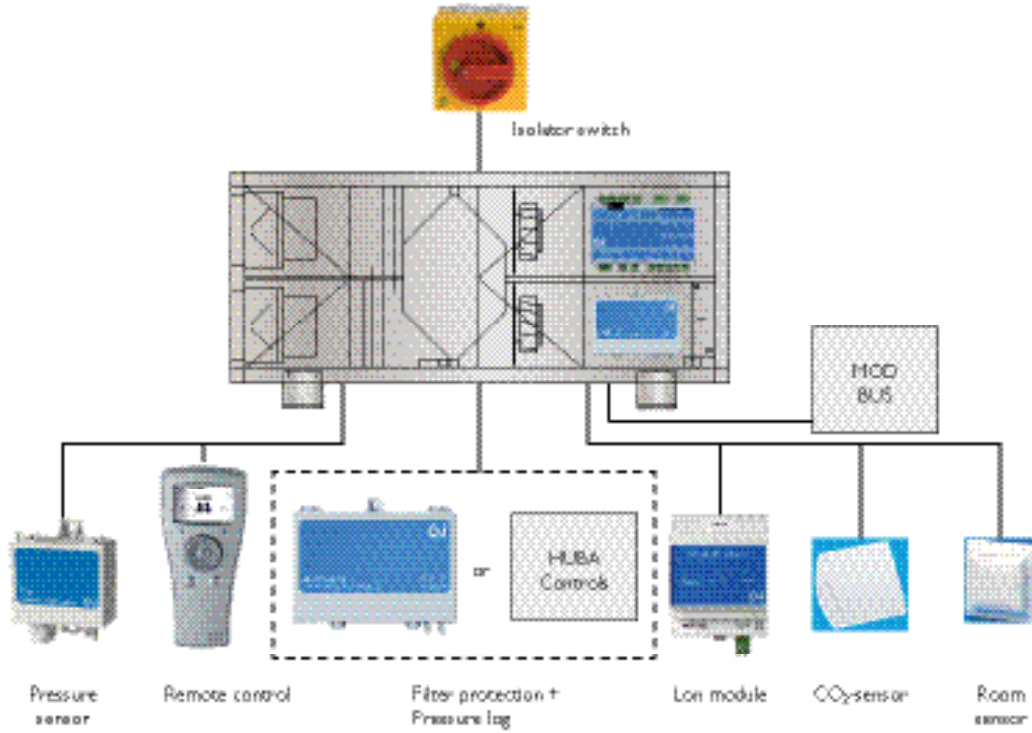
- The highest efficiency in case of speed control
- Up to 50% energy saving in case of partial load
- Almost completely linearly adjustable
- Long lifetime
- Low noise level
- Integrated electronic thermal protection

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Mark Airstream control:

- Control and display via a handheld computer or building management system
- Equipped with web-based software
- Control based on CO₂, air quality, pressure, humidity, pressure loss and presence in the room is possible

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