



Plate Heat Recovery Unit

Series SR-E



Plate heat recovery units "SR-E series" are especially indicated for places where requested a continuous substitution of stuffy air as pubs, gymnasiums, cloak-rooms, offices etc..

Plate heat recovery units "SR-E series" permit to change the air in a room with a heat recovery from exhaust air to supply air, by an aluminium static cross flow heat exchanger.

Plate heat recovery units SR-E are manufactured with aluminium profiles and galvanized sandwich panels, insulated with polyurethane 23 mm thickness (25 mm nominal value).

SR-E series units are equipped with centrifugal single inlet fans, with electronically commutated brushless motors.

Plate heat recovery units, series SR, are manufactured for ceiling, floor or wall installation.

Series SR air flow goes from 500 to 10.000 mc/h..

Standard configuration :

- Polyester panel filter with large surface area before exhaust heat exchanger side;
- Exhaust Fan;
- Polyester panel filter with large surface area before supply heat exchanger side;
- Supply Fan;
- Static cross flow heat exchanger with galvanized drain pan;
- Section arranged for water cooling or water/electric heating coil.

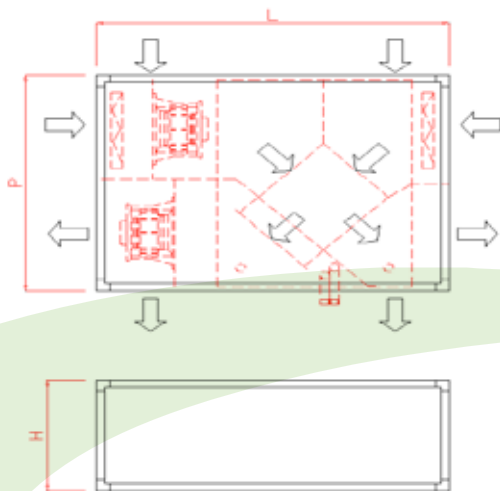
Accessories :

- 3/4/6 rows water coil
- Electric coil including a safety thermostat and terminal box
- On-off or control volume airflow dampers
- Recirculating airflow damper (with increase of unit length)
- Free-cooling airflow damper
- Three speeds single phase electric motor for model 10/20/30/40/50
- Two speeds three phases electric motor for models 70 and 100
- Roof and aluminium feet for external applications.
- Speed selector.
- Electrical board.

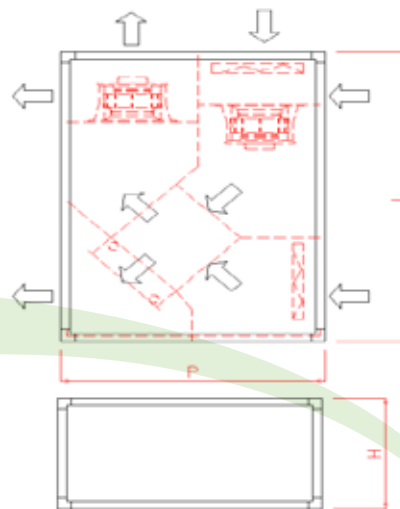
Plate Heat Recovery Unit

Series SR-E

HORIZONTAL VERSION



VERTICAL VERSION



DIMENSIONAL FEATURES

Model	Dimension (mm)			Weight (kg)				
	L	P	H	Base	2RR	3RR	4RR	6RR
SR 04	1150	1010	360	95	5	6	7	10
SR 10	1540	1150	500	145	11	13	14	16
SR 20	1790	1350	550	190	16	20	22	25
SR 30	2040	1450	670	250	24	28	30	36
SR 40	2290	1700	750	350	29	34	37	44
SR 50	2290	1950	750	415	35	41	45	54
SR 70	2830	2290	790	585	45	53	58	70
SR 100	3080	2540	1040	740	62	75	83	99

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		SRE-04	SRE-10	SRE-20	SRE-30	SRE-40	SRE-50	SRE-70	SRE-100
Nominal air flow	mc/h	350	1000	2000	3000	4000	5000	7000	10000
External Static Pressure*	Pa	350	200	200	500	350	600	200	200
Motor power installed	kW	0.34	0.34	0.9	2	2	3.7	3.23	6
Electronically commutated brushless motors									
Tension / Phases	V	230/1	230/1	230/1	400/3	400/3	400/3	400/3	400/3
Full load current	A	2.8	2.7	5.6	3.2	3.2	5.8	5	9.2
Heat exchanger efficiency	%	61	60	62	58	57	54	53	53
Heat recovered power**	kW	1.79	5	10.4	14.6	19.2	22.5	31.1	44.1
Cooling capacity ***	kW	3 RR	1.85	4.2	8.8	13.5	18.9	22.5	32.5
			4 RR	2.37	5.5	11.9	18.2	23.8	30.3
			6 RR	3.2	8.0	15.6	24.2	31.2	40.1
Heating capacity ***	* kW	3 RR	4.45	11.1	20.7	31.5	40.7	52.3	72.9
Sound level at 1 mt*****	dB(A)		42	50	50	53	55	55	63

* Does not include the loss of load of the batteries

** Ratings : nominal air flow; in let air -5°C ; out let air 20°C 50% UR

*** Ratings : nominal air flow; in let air 28°C 60% UR; water 7/12°C

**** Ratings : nominal air flow; in let air 6°C ; water 70/60°C .

***** With ducted outlets.