



Heat exchangers type RWWG/RWKG

RWWG - 2-row heat-exchangers, used for heating

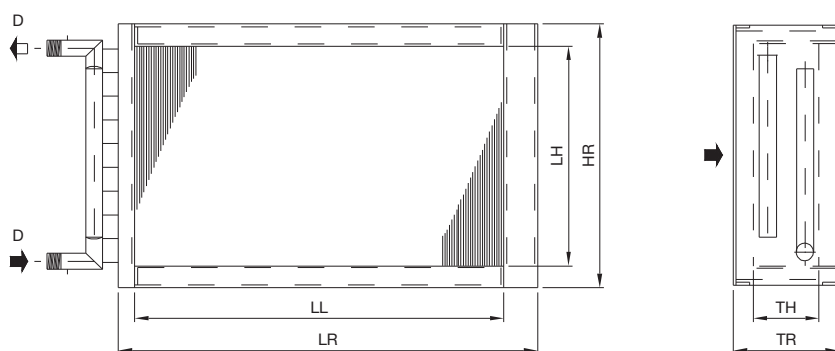
RWKG - 4-row heat-exchangers, used for heating and ventilation

Application

- Ventilation and air-conditioning

Composition

- Plate material: Copper/Aluminum
- Distance between Aluminium tubes: 2.1, 2.5 and 3.2 mm



Model	Dimensions									
	LL [mm]	LR [mm]	LH [mm]	HR [mm]	2-row heat exchanger			4-row heat exchanger		
					TH [mm]	TR [mm]	D [inch]	TH [mm]	TR [mm]	D [inch]
400/200	400	460	203.1	253.1	44	110	1/2	88	145	1/2
500/250	500	560	254	304	44	110	3/4	88	145	3/4
500/300	500	560	304.7	354.7	44	110	3/4	88	145	3/4
600/300	600	660	304.7	354.7	44	110	1	88	145	1 1/4
600/350	600	660	355.6	405.6	44	110	1	88	145	1 1/4
700/400	700	760	406.3	456.3	44	110	1	88	145	1 1/4
800/500	800	860	508	558	44	110	1 1/4	88	145	1 1/4
1000/500	1000	1060	508	558	44	110	1 1/4	88	145	1 1/4
400/400	400	460	406.3	456.3	44	110	3/4	88	145	1
500/500	500	560	508	558	44	110	1	88	145	1 1/4
600/600	600	660	609.5	659.5	44	110	1	88	145	1 1/4
800/800	800	860	787.4	837.4	44	110	1 1/4	88	145	1 1/4
1000/1000	1000	1085	990.5	1060.5	66	145	1 1/4	132	180	1 1/4

Heat recovery
units

Technical Data											
2-row heat exchanger											
Model	V _{air} [m³/h]	Heating mode					Cooling mode				
		T _{incoming air} = -12°C/88% r.H.; T _{water} = 80/60°C					T _{incoming air} = 33°C/32% r.H.; T _{water} = 7/12°C				
		Q _{heating} [kW]	T _{outgoing air} [°C]	dP _{air} [Pa]	V _{water} [m³/h]	dP _{water} [kPa]	Q _{cooling} [kW]	T _{outgoing air} [°C]	dP _{air} [Pa]	V _{water} [m³/h]	dP _{water} [kPa]
RWWG 400/200-2	750	9.3	21	42	0.41	7.6	2.4	23	29	0.41	10
RWWG 500/250-2	1200	15.2	22	44	0.67	24	4.2	22	31	0.7	35.3
RWWG 500/300-2	1500	19	22	47	0.83	42.3	5	22	33	0.9	65
RWWG 600/300-2	1800	23	22	46	0.99	20.7	6	22	33	1.02	29.9
RWWG 600/350-2	2100	26	21	46	1.15	32.3	7	23	32	1.23	48.7
RWWG 700/400-2	3000	36	21	52	1.61	33.7	9	23	35	1.31	32.8
RWWG 800/500-2	4000	51	22	47	2.3	43	14	22	33	2.4	67
RWWG 1000/500-2	5500	67	21	55	2.95	51.2	19	22	38	3.2	79.3
RWWG 400/400-2	1500	20	23	42	0.85	54.2	5.5	22	30	0.93	85.2
RWWG 500/500-2	2500	32	22	46	1.4	26	9	22	33	1.43	37.1
RWWG 600/600-2	3500	44	22	45	1.93	21.7	12	23	31	2	31.1
RWWG 800/800-2	6000	77	23	44	3.4	40	22	22	31	3.7	60
RWWG 1000/1000-2	10000	136	24	54	5.97	25.9	38	21	43	6.6	37.3
4-row heat exchanger											
Model	V _{air} [m³/h]	Heating mode					Cooling mode				
		T _{incoming air} = -12°C/88% r.H.; T _{water} = 80/60°C					T _{incoming air} = 33°C/32% r.H.; T _{water} = 7/12°C				
		Q _{heating} [kW]	T _{outgoing air} [°C]	dP _{air} [Pa]	V _{water} [m³/h]	dP _{water} [kPa]	Q _{cooling} [kW]	T _{outgoing air} [°C]	dP _{air} [Pa]	V _{water} [m³/h]	dP _{water} [kPa]
RWKG 400/200-4	750	15	45	83	0.66	6.5	4	19	61	0.64	7.9
RWKG 500/250-4	1200	24	42	87	1.05	10	6.5	19	65	1.07	13.6
RWKG 500/300-4	1500	30	41	92	1.3	11.4	8	19	69	1.32	15.3
RWKG 600/300-4	1800	36	42	93	1.58	14.2	10	18	70	1.67	21
RWKG 600/350-4	2100	42	42	93	1.84	14.4	12	18	70	1.95	21.2
RWKG 700/400-4	3000	58	40	103	2.57	12.7	16	18	77	2.66	18
RWKG 800/500-4	4000	78	41	95	3.5	5.7	20	19	70	3.3	6.8
RWKG 1000/500-4	5500	106	40	110	4.65	11.1	28	19	80	4.7	14.4
RWKG 400/400-4	1500	31	42	85	1.33	11.6	9	18	65	1.4	16.6
RWKG 500/500-4	2500	51	42	93	2.4	39	15	17	70	2.5	63
RWKG 600/600-4	3500	72	43	89	3.2	32	21	17	66	3.5	51.5
RWKG 800/800-4	6000	123	43	88	5.4	35.1	35	17	67	5.98	56
RWKG 1000/1000-4	10000	210	44	105	9.22	18.5	55	18	90	9.42	22.7

Technical Data											
Двуредов теплообменник											
Типоразмер	V _{в-х} [m³/h]	Режим отопление					Режим охлаждение				
		T _{вх. в-х} = -12°C/88% r.H.; T _{вода} = 80/60°C					T _{вх. в-х} = 33°C/32% r.H.; T _{вода} = 7/12°C				
		Q _{от} [kW]	T _{изх. в-х} [°C]	dP _{в-х} [Pa]	V _{вода} [m³/h]	dP _{вода} [kPa]	Q _{охл} [kW]	T _{изх. в-х} [°C]	dP _{в-х} [Pa]	V _{вода} [m³/h]	dP _{вода} [kPa]
RWWG 400/200-2	750	9.3	21	42	0.41	7.6	2.4	23	29	0.41	10
RWWG 500/250-2	1200	15.2	22	44	0.67	24	4.2	22	31	0.7	35.3
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RWWG 800/500-2	4000	51	22	47	2.3	43	14	22	33	2.4	67
RWWG 1000/500-2	5500	67	21	55	2.95	51.2	19	22	38	3.2	79.3
RWWG 400/400-2	1500	20	23	42	0.85	54.2	5.5	22	30	0.93	85.2
RWWG 500/500-2	2500	32	22	46	1.4	26	9	22	33	1.43	37.1
RWWG 600/600-2	3500	44	22	45	1.93	21.7	12	23	31	2	31.1
RWWG 800/800-2	6000	77	23	44	3.4	40	22	22	31	3.7	60
RWWG 1000/1000-2	10000	136	24	54	5.97	25.9	38	21	43	6.6	37.3
Четириредов теплообменник											
Типоразмер	V _{в-х} [m³/h]	Режим отопление					Режим охлаждение				
		T _{вх. в-х} = -12°C/88% r.H.; T _{вода} = 80/60°C					T _{вх. в-х} = 33°C/32% r.H.; T _{вода} = 7/12°C				
		Q _{от} [kW]	T _{изх. в-х} [°C]	dP _{в-х} [Pa]	V _{вода} [m³/h]	dP _{вода} [kPa]	Q _{охл} [kW]	T _{изх. в-х} [°C]	dP _{в-х} [Pa]	V _{вода} [m³/h]	dP _{вода} [kPa]
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RWKG 600/300-4	1800	36	42	93	1.58	14.2	10	18	70	1.67	21
RWKG 600/350-4	2100	42	42	93	1.84	14.4	12	18	70	1.95	21.2
RWKG 700/400-4	3000	58	40	103	2.57	12.7	16	18	77	2.66	18
RWKG 800/500-4	4000	78	41	95	3.5	5.7	20	19	70	3.3	6.8
RWKG 1000/500-4	5500	106	40	110	4.65	11.1	28	19	80	4.7	14.4
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RWKG 600/600-4	3500	72	43	89	3.2	32	21	17	66	3.5	51.5
RWKG 800/800-4	6000	123	43	88	5.4	35.1	35	17	67	5.98	56
RWKG 1000/1000-4	10000	210	44	105	9.22	18.5	55	18	90	9.42	22.7