

ARMONIA II

Chilled water cassettes



WATER



 **1,5 - 10,8 kW**
 **1,9 - 13,5 kW**
 **225 - 1536 m³/h**

LX^(A) 6^(B) 2^(C) 1^(D) NC^(E) EC^(F)

(A) LX = Lennox

(B) 6 = 600x600 - 9 = 900x900

(C) 2 = 2 pipes - 3 = 2 pipes + electrical heater - 4 = 4 pipes

(D) 1 = Size

(E) Modbus card (suitable for infrared remote control) - NC = Not included - RC = Included

(F) EC fan motor

600x600 - 2 pipe system

ARMONIA II				SPEED	621	622	623	624	625
Nominal thermal performances - Cooling mode									
❄️ COOLING MODE	Water inlet temperature.: 7°C Water outlet temperature.: 12°C Air inlet temp.: 27°C DB / 19°C WB	Total cooling capacity	W	Max	2223	2667	4247	4975	5381
				Med	1835	2433	3047	3648	4655
				Min	1556	1944	2144	2697	3967
		Sensible cooling capacity	W	Max	1843	2027	3107	3695	3991
				Med	1485	1813	2177	2628	3355
				Min	1236	1424	1494	1907	2797
		Water flow rate	l/h	Max	390	465	739	867	939
				Med	321	424	530	635	812
				Min	271	338	372	468	691
		Water pressure drop	kPa	Max	20	16	24	24	30
Med	14			14	18	18	24		
Min	11			10	11	16	18		
Nominal thermal performances - Heating mode									
🔥 HEATING MODE	Air temperature.: 20°C Water inlet temp.: 45/40°C	Heating Capacity	W	Max	2340	2620	4080	4910	5420
				Med	1920	2370	2930	3440	4930
				Min	1590	1910	2090	2580	4090
		Water flow rate	l/h	Max	408	456	711	855	943
				Med	335	413	510	600	860
				Min	276	333	364	449	712
		Water pressure drop	kPa	Max	20,9	15,5	18,5	22,8	29,6
				Med	14,2	12,5	16,2	18	25,7
				Min	10,5	8,9	9,7	15,3	19,2
🔥 HEATING MODE	Air temperature.: 20°C Water inlet temp.: 50°C	Heating Capacity	W	Max	2800	3150	4910	5900	6500
				Med	2300	2850	3522	4150	5900
				Min	1900	2300	2510	3100	4900
		Water flow rate	l/h	Max	390	465	739	867	939
				Med	321	424	530	635	812
				Min	271	338	372	468	691
		Water pressure drop	kPa	Max	19	16	19	23,1	29
				Med	13	13	17	19,8	23
				Min	10	9	10	16,5	18
Ventilation data									
Air flow rate	m³/h	Max	367	398	550	660	760		
		Med	295	355	398	468	660		
		Min	225	269	269	328	550		
Acoustic data									
Sound power level	dB(A)	Max	46	44	52	60	62		
		Med	39	41	44	49	59		
		Min	33	34	34	39	53		
Sound pressure level	dB(A)	Max	37	35	43	51	53		
		Med	30	32	35	40	50		
		Min	24	25	25	30	44		
Electrical data									
Power input (standard motor)	W	Max	48	43	63	75	89		
Absorbed current (standard motor)	A	Max	0,22	0,19	0,28	0,33	0,39		
Power input (EC motor)	W	Max	12	11	26	45	65		
Absorbed current (EC motor)	A	Max	0,11	0,11	0,22	0,33	0,47		

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(F) EC fan motor

600x600 - 4 pipe system

ARMONIA II				SPEED	641	642	643	644	645	646
Nominal thermal performances - Cooling mode										
❄️ COOLING MODE	Water inlet temperature.: 7°C Water outlet temperature.: 12°C Air inlet temp.: 27°C DB / 19°C WB	Total cooling capacity	W	Max	2303	2707	3337	3827	3825	4395
				Med	1905	2373	2507	2957	3048	3408
				Min	1606	1864	1884	1974	2367	2627
		Sensible cooling capacity	W	Max	1873	1977	2547	2857	2975	3345
				Med	1505	1713	1867	2157	2308	2518
				Min	1226	1344	1364	1404	1747	1897
		Water flow rate	l/h	Max	403	472	584	668	669	767
				Med	333	414	438	515	532	594
				Min	280	324	328	343	412	456
		Water pressure drop	kPa	Max	18	14	17	22	21	28
Med	15			12	14	19	17	22		
Min	10			10	10	15	12	17		
Nominal thermal performances - Heating mode										
🔥 HEATING MODE	Air temperature.: 20°C Water inlet temp.: 45/40°C	Heating Capacity	W	Max	2690	3070	3900	2890	4380	3250
				Med	2300	2680	3070	2340	3510	2610
				Min	1780	2150	2150	1680	2760	2100
		Water flow rate	l/h	Max	236	269	342	254	384	285
				Med	201	235	269	206	307	229
				Min	156	187	189	147	242	184
		Water pressure drop	kPa	Max	12,2	20,4	14,4	18,1	17,5	21,2
				Med	11,3	16,5	11,9	14,9	15,1	18,8
				Min	8,8	12,2	7,1	11	9,6	13,3
🔥 HEATING MODE	Air temperature.: 20°C Water inlet temp.: 50°C	Heating Capacity	W	Max	3050	3500	4450	3300	5000	3710
				Med	2600	3050	3500	2670	4000	2980
				Min	2010	2450	2450	1910	3150	2390
		Water flow rate	l/h	Max	268	307	391	290	439	326
				Med	228	268	307	235	351	262
				Min	177	215	215	168	277	210
		Water pressure drop	kPa	Max	15	15	18	23	22	27
				Med	14	12	15	19	19	24
				Min	11	9	9	14	12	17
Ventilation data										
Air flow rate	m³/h	Max	367	398	550	550	660	660		
		Med	295	355	398	398	468	468		
		Min	224	269	269	269	328	328		
Acoustic data										
Sound power level	dB(A)	Max	46	47	52	52	58	58		
		Med	39	41	44	44	49	51		
		Min	33	37	34	37	39	44		
Sound pressure level	dB(A)	Max	37	38	43	43	49	49		
		Med	30	32	35	35	40	42		
		Min	24	28	25	28	30	35		
Electrical data										
Power input (standard motor)		W	Max	48	43	63	63	75	75	
Absorbed current (standard motor)		A	Max	0,22	0,19	0,28	0,28	0,33	0,33	
Power input (EC motor)		W	Max	12	11,2	25,5	25,5	40	40	
Absorbed current (EC motor)		A	Max	0,11	0,11	0,22	0,22	0,33	0,33	

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(F) EC fan motor

900x900 - 2 pipe system and 4 pipe system

ARMONIA II				SPEED	2 PIPE SYSTEM			4 PIPE SYSTEM			
					921	922	923	941	942	943	944
Nominal thermal performances - Cooling mode											
❄️ COOLING MODE	Water inlet temperature: 7°C Water outlet temperature: 12°C Air inlet temp.: 27°C DB / 19°C WB	Total cooling capacity	W	Max	6128	9460	10865	6125	7100	8665	9965
				Med	4950	6609	8790	4847	5139	6560	7510
				Min	4152	5337	5336	4011	4257	4456	5056
		Sensible cooling capacity	W	Max	4558	6400	7965	4505	5340	6635	7515
				Med	3580	4339	6210	3497	3749	4880	5520
				Min	2982	3457	3716	2851	3047	3186	3596
		Water flow rate	l/h	Max	1064	1641	1888	1064	1236	1511	1734
				Med	858	1144	1523	841	893	1142	1304
				Min	719	923	923	695	738	772	876
		Water pressure drop	kPa	Max	31,5	33,5	53	20,5	29,6	38	34
				Med	21,5	13,5	36	13,5	18	24,5	21
				Min	16,5	8,5	12,5	9,5	11,5	14	14
Nominal thermal performances - Heating mode											
🔥 HEATING MODE	Air temperature: 20°C Water inlet temp.: 45/40°C	Heating Capacity	W	Max	6400	8610	11280	7940	9270	11030	8420
				Med	5000	5970	8660	6180	7060	8380	6500
				Min	4210	4590	5030	5130	5570	6010	4400
		Water flow rate	l/h	Max	1115	1500	1964	697	812	967	739
				Med	871	1039	1508	542	619	735	570
				Min	734	800	876	449	488	527	386
		Water pressure drop	kPa	Max	24,2	25	49,9	19,5	27,2	35,2	17,8
				Med	16,7	10,8	30,7	13,2	16,9	23,9	12,1
				Min	11,6	7,9	10,1	9,1	11,6	13,2	6,4
🔥 HEATING MODE	Air temperature: 20°C Water inlet temp.: 50°C	Heating Capacity	W	Max	7650	10400	13500	9000	10500	12500	9600
				Med	6000	7200	10400	7000	8000	9500	7400
				Min	5050	5550	6050	5800	6300	6800	5000
		Water flow rate	l/h	Max	1064	1641	1888	791	922	1098	843
				Med	858	1144	1523	615	703	835	650
				Min	719	923	923	510	554	598	439
		Water pressure drop	kPa	Max	22	29	46	23,5	33	42,5	22
				Med	16	12,5	31	16	20,5	29	15
				Min	11	10	11	11	14	16	8
Ventilation data											
Air flow rate			m³/h	Max	1023	1270	1536	1023	1270	1536	1536
				Med	763	858	1175	763	858	1175	1175
				Min	623	662	669	623	662	669	669
Acoustic data											
Sound power level		dB(A)	Max	47	53	59	47	53	59	59	
			Med	39	40	49	39	40	49	49	
			Min	32	34	35	32	34	35	35	
Sound pressure level		dB(A)	Max	38	44	50	38	44	50	50	
			Med	30	31	40	30	31	40	40	
			Min	23	25	26	23	25	26	26	
Electrical data											
Power input (standard motor)			W	Max	102	108	156	98	106	163	163
Absorbed current (standard motor)			A	Max	0,52	0,6	0,75	0,52	0,6	0,75	0,75
Power input (EC motor)			W	Max	81	89	155	45	74	121	121
Absorbed current (EC motor)			A	Max							

600x600

ARMONIA II		2 PIPE SYSTEM					4 PIPE SYSTEM					
		621	622	623	624	625	641	642	643	644	645	646
Dimensions with cabinet												
A1	mm	575	575	575	575	575	575	575	575	575	575	575
B1		575	575	575	575	575	575	575	575	575	575	575
C1		286	286	286	286	286	286	286	286	286	286	286
Dimensions without cabinet												
A	mm	680	680	680	680	680	680	680	680	680	680	680
B		680	680	680	680	680	680	680	680	680	680	680
C		40	40	40	40	40	40	40	40	40	40	40
Weight of standard units												
Basic unit	kg	20	21	23	24	24	23	24	24	24	24	24

900x900

ARMONIA II		2 PIPE SYSTEM			4 PIPE SYSTEM			
		921	922	923	941	942	943	944
Dimensions with cabinet								
A1	mm	818	818	818	818	818	818	818
B1		818	818	818	818	818	818	818
C1		326	326	326	326	326	326	326
Dimensions without cabinet								
A	mm	900	900	900	900	900	900	900
B		900	900	900	900	900	900	900
C		55	55	55	55	55	55	55
Weight of standard units								
Basic unit	kg	40	45	45	41	46	46	46

