

## 3.1 GENERAL TECHNICAL DATA

ERACS2-Q  
CA

SIZE		1062	1162	1362	1562	1762	1962	2022
ERACS2-Q /CA								
COOLING (1)								
<b>Cooling capacity</b>	<b>kW</b>	<b>210</b>	<b>248</b>	<b>302</b>	<b>329</b>	<b>380</b>	<b>425</b>	<b>483</b>
Total power input (unit)	kW	72,1	84,8	101	109	129	144	156
EER		2,91	2,93	2,98	3,01	2,95	2,95	3,10
ESEER		-	-	-	-	-	-	-
Heat exchanger water flow	m <sup>3</sup> /h	36,2	42,8	52,1	56,7	65,5	73,2	83,1
Heat exchanger pressure drop	kPa	28,8	40,2	36,6	43,4	40,3	27,9	26,7
ERACS2-Q /CA								
HEATING (2)								
<b>Heating capacity</b>	<b>kW</b>	<b>218</b>	<b>258</b>	<b>308</b>	<b>339</b>	<b>396</b>	<b>434</b>	<b>492</b>
Total power input (unit)	kW	67,0	80,7	92,2	101	122	131	149
COP		3,64	3,52	3,63	3,70	3,53	3,66	3,60
Heat exchanger water flow	m <sup>3</sup> /h	37,8	44,9	53,6	58,9	68,7	75,4	85,5
Heat exchanger pressure drop	kPa	31,5	44,3	38,8	46,9	44,4	29,6	28,2
ERACS2-Q /CA								
REFRIGERATION AND HEATING (3)								
Cooling capacity	kW	209	248	305	329	381	428	484
Total power input (unit)	kW	60,6	72,2	87,1	92,5	111	122	134
Heat exchanger water flow	m <sup>3</sup> /h	36,2	42,8	52,1	56,7	65,5	73,2	83,1
Heat exchanger pressure drop	kPa	28,8	40,2	36,6	43,4	40,3	27,9	26,7
<b>Heat recovery thermal capacity</b>	<b>kW</b>	<b>266</b>	<b>316</b>	<b>386</b>	<b>416</b>	<b>486</b>	<b>542</b>	<b>609</b>
TER - Total Efficiency Ratio		7,83	7,81	7,94	8,06	7,80	7,96	8,17
Heat exchanger recovery water flow	m <sup>3</sup> /h	46,1	54,9	67,2	72,4	84,4	94,2	106
Plant side heat exchanger recovery pressure drop	kPa	46,8	66,3	60,9	70,7	67,0	46,1	43,3
COMPRESSORS								
Number	N°.	2	2	2	2	2	2	2
Number of capacity	N°.	6	6	6	6	6	6	6
Number of circuits	N°.	2	2	2	2	2	2	2
Type of regulation		STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Minimum capacity steps	%	25	25	25	25	25	25	25
Type of refrigerant		R134a	R134a	R134a	R134a	R134a	R134a	R134a
Refrigerant charge	kg.	83	97	132	132	160	167	210
Oil charge	kg.	19	20	20	30	30	30	44
FANS								
Number	N°.	6	6	6	8	8	10	10
Air flow	m <sup>3</sup> /s	30,4	32,5	34,6	43,4	45,6	54,2	50,6
Singol power input	kW	2	2	2	2	2	2	2
NOISE LEVELS (4)								
Total sound power	dB(A)	97	97	97	98	99	99	99
Total sound pressure	dB(A)	65	65	65	66	66	66	66
DIMENSIONS AND WEIGHTS (5)								
Length	mm.	4610	4610	5610	5610	6610	6610	6300
Width	mm.	2220	2220	2220	2220	2220	2220	2260
Height	mm.	2150	2420	2430	2430	2430	2430	2350
Weight	kg.	3600	3870	4620	5040	5520	5670	7580

- 1 Plant (side) cooling exchanger water (in/out) 12/7 °C  
Source (side) heat exchanger air (in) 35 °C
- 2 Plant (side) heating exchanger water (in/out) 40/45 °C  
Source (side) heat exchanger air (in) 7 °C R.H. 87%
- 3 Plant (side) cooling exchanger water (in/out) 12/7 °C  
Source (side) heat exchanger air (in) 35 °C  
Plant (side) heating exchanger water (in/out) 40/45 °C  
Source (side) heat exchanger air (in) 7 °C R.H. 87%
- 4 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units;  
in compliance with ISO 3744 for non-certified units  
Average sound pressure level, at 10 (m.) distance, unit in a free field on a reflective surface; non-binding value obtained  
from the sound power level
- 5 Standard configuration
- Not available

GENERAL TECHNICAL DATA

ERACS2-Q  
CA

SIZE		2222	2422	2622	2722	3222		
ERACS2-Q /CA								
COOLING (1)								
<b>Cooling capacity</b>	<b>kW</b>	<b>525</b>	<b>554</b>	<b>624</b>	<b>701</b>	<b>826</b>		
Total power input (unit)	kW	167	176	201	222	264		
EER		3,14	3,16	3,10	3,15	3,13		
ESEER		-	-	-	-	-		
Heat exchanger water flow	m <sup>3</sup> /h	90,4	95,3	107	121	142		
Heat exchanger pressure drop	kPa	29,0	32,3	23,1	30,5	30,9		
ERACS2-Q /CA								
HEATING (2)								
<b>Heating capacity</b>	<b>kW</b>	<b>541</b>	<b>571</b>	<b>615</b>	<b>711</b>	<b>826</b>		
Total power input (unit)	kW	159	169	178	207	240		
COP		3,74	3,70	3,76	3,74	3,74		
Heat exchanger water flow	m <sup>3</sup> /h	94,1	99,2	107	124	143		
Heat exchanger pressure drop	kPa	31,4	34,9	22,8	31,9	31,5		
ERACS2-Q /CA								
REFRIGERATION AND HEATING (3)								
Cooling capacity	kW	522	550	631	701	826		
Total power input (unit)	kW	145	153	170	193	228		
Heat exchanger water flow	m <sup>3</sup> /h	90,4	95,3	107	121	142		
Heat exchanger pressure drop	kPa	29,0	32,3	23,1	30,5	30,9		
<b>Heat recovery thermal capacity</b>	<b>kW</b>	<b>658</b>	<b>694</b>	<b>791</b>	<b>883</b>	<b>1041</b>		
TER - Total Efficiency Ratio		8,14	8,12	8,35	8,19	8,17		
Heat exchanger recovery water flow	m <sup>3</sup> /h	114	121	138	153	181		
Plant side heat exchanger recovery pressure drop	kPa	46,4	51,7	37,8	49,2	50,1		
COMPRESSORS								
Number	N°.	2	2	2	2	2		
Number of capacity	N°.	6	6	6	6	6		
Number of circuits	N°.	2	2	2	2	2		
Type of regulation		STEPS	STEPS	STEPS	STEPS	STEPS		
Minimum capacity steps	%	25	25	25	25	25		
Type of refrigerant		R134a	R134a	R134a	R134a	R134a		
Refrigerant charge	kg.	240	250	254	312	360		
Oil charge	kg.	44	44	38	38	70		
FANS								
Number	N°.	12	12	12	14	16		
Air flow	m <sup>3</sup> /s	65,6	61,0	61,0	72,5	82,9		
Singol power input	kW	2	2	2	2	2		
NOISE LEVELS (4)								
Total sound power	dB(A)	101	101	101	101	102		
Total sound pressure	dB(A)	68	68	68	68	69		
DIMENSIONS AND WEIGHTS (5)								
Length	mm.	7200	7200	7200	8400	9700		
Width	mm.	2260	2260	2260	2260	2260		
Height	mm.	2350	2350	2350	2350	2350		
Weight	kg.	8060	8160	8600	9160	11380		

- 1 Plant (side) cooling exchanger water (in/out) 12/7 °C  
Source (side) heat exchanger air (in) 35 °C
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Source (side) heat exchanger air (in) 7 °C R.H. 87%
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Source (side) heat exchanger air (in) 35 °C  
Plant (side) heating exchanger water (in/out) 40/45 °C  
Source (side) heat exchanger air (in) 7 °C R.H. 87%
- 4 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units;  
in compliance with ISO 3744 for non-certified units  
Average sound pressure level, at 10 (m.) distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level
- 5 Standard configuration
- Not available

GENERAL TECHNICAL DATA

ERACS2-Q  
LN-CA

SIZE		1062	1162	1362	1562	1762	1962	2022
ERACS2-Q /LN-CA								
COOLING (1)								
<b>Cooling capacity</b>	<b>kW</b>	<b>205</b>	<b>241</b>	<b>294</b>	<b>322</b>	<b>369</b>	<b>414</b>	<b>469</b>
Total power input (unit)	kW	70,8	84,6	103	109	130	144	163
EER		2,89	2,85	2,86	2,96	2,83	2,87	2,88
ESEER		-	-	-	-	-	-	-
Heat exchanger water flow	m <sup>3</sup> /h	35,3	41,5	50,6	55,4	63,6	71,2	80,7
Heat exchanger pressure drop	kPa	27,4	37,9	34,5	41,4	38,0	26,4	25,1
ERACS2-Q /LN-CA								
HEATING (2)								
<b>Heating capacity</b>	<b>kW</b>	<b>218</b>	<b>258</b>	<b>308</b>	<b>339</b>	<b>396</b>	<b>434</b>	<b>492</b>
Total power input (unit)	kW	67,0	80,7	92,2	101	122	131	149
COP		3,64	3,52	3,63	3,70	3,53	3,66	3,60
Heat exchanger water flow	m <sup>3</sup> /h	37,8	44,9	53,6	58,9	68,7	75,4	85,5
Heat exchanger pressure drop	kPa	31,5	44,3	38,8	46,9	44,4	29,6	28,2
ERACS2-Q /LN-CA								
REFRIGERATION AND HEATING (3)								
Cooling capacity	kW	209	248	305	329	381	428	484
Total power input (unit)	kW	60,6	72,2	87,1	92,5	111	122	134
Heat exchanger water flow	m <sup>3</sup> /h	35,3	41,5	50,6	55,4	63,6	71,2	80,7
Heat exchanger pressure drop	kPa	27,4	37,9	34,5	41,4	38,0	26,4	25,1
<b>Heat recovery thermal capacity</b>	<b>kW</b>	<b>266</b>	<b>316</b>	<b>386</b>	<b>416</b>	<b>486</b>	<b>542</b>	<b>609</b>
TER - Total Efficiency Ratio		7,83	7,81	7,94	8,06	7,80	7,96	8,17
Heat exchanger recovery water flow	m <sup>3</sup> /h	46,1	54,9	67,2	72,4	84,4	94,2	106
Plant side heat exchanger recovery pressure drop	kPa	46,8	66,3	60,9	70,7	67,0	46,1	43,3
COMPRESSORS								
Number	N°.	2	2	2	2	2	2	2
Number of capacity	N°.	6	6	6	6	6	6	6
Number of circuits	N°.	2	2	2	2	2	2	2
Type of regulation		STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Minimum capacity steps	%	25	25	25	25	25	25	25
Type of refrigerant		R134a	R134a	R134a	R134a	R134a	R134a	R134a
Refrigerant charge	kg.	83	97	132	132	160	167	210
Oil charge	kg.	19	20	20	30	30	30	44
FANS								
Number	N°.	6	6	6	8	8	10	10
Air flow	m <sup>3</sup> /s	22,8	25,0	27,2	33,3	35,6	41,6	38,1
Singol power input	kW	1,2	1,2	1,2	1,2	1,2	1,2	1,2
NOISE LEVELS (4)								
Total sound power	dB(A)	90	91	91	92	92	92	93
Total sound pressure	dB(A)	58	59	59	60	59	59	60
DIMENSIONS AND WEIGHTS (5)								
Length	mm.	4610	4610	5610	5610	6610	6610	6300
Width	mm.	2220	2220	2220	2220	2220	2220	2260
Height	mm.	2150	2420	2430	2430	2430	2430	2350
Weight	kg.	3600	3870	4620	5040	5520	5670	7580

- 1 Plant (side) cooling exchanger water (in/out) 12/7 °C  
Source (side) heat exchanger air (in) 35 °C
- 2 Plant (side) heating exchanger water (in/out) 40/45 °C  
Source (side) heat exchanger air (in) 7 °C R.H. 87%
- 3 Plant (side) cooling exchanger water (in/out) 12/7 °C  
Source (side) heat exchanger air (in) 35 °C  
Plant (side) heating exchanger water (in/out) 40/45 °C  
Source (side) heat exchanger air (in) 7 °C R.H. 87%
- 4 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units;  
in compliance with ISO 3744 for non-certified units  
Average sound pressure level, at 10 (m.) distance, unit in a free field on a reflective surface; non-binding value obtained  
from the sound power level
- 5 Standard configuration
- Not available

GENERAL TECHNICAL DATA

ERACS2-Q  
LN-CA

SIZE		2222	2422	2622	2722	3222		
ERACS2-Q /LN-CA								
COOLING (1)								
<b>Cooling capacity</b>	<b>kW</b>	<b>513</b>	<b>541</b>	<b>604</b>	<b>684</b>	<b>799</b>		
Total power input (unit)	kW	168	177	206	225	274		
EER		3,06	3,05	2,93	3,03	2,91		
ESEER		-	-	-	-	-		
Heat exchanger water flow	m <sup>3</sup> /h	88,4	93,2	104	118	138		
Heat exchanger pressure drop	kPa	27,7	30,8	21,6	29,0	29,0		
ERACS2-Q /LN-CA								
HEATING (2)								
<b>Heating capacity</b>	<b>kW</b>	<b>541</b>	<b>571</b>	<b>615</b>	<b>711</b>	<b>826</b>		
Total power input (unit)	kW	159	169	178	207	240		
COP		3,74	3,70	3,76	3,74	3,74		
Heat exchanger water flow	m <sup>3</sup> /h	94,1	99,2	107	124	143		
Heat exchanger pressure drop	kPa	31,4	34,9	22,8	31,9	31,5		
ERACS2-Q /LN-CA								
REFRIGERATION AND HEATING (3)								
Cooling capacity	kW	522	550	631	701	826		
Total power input (unit)	kW	145	153	170	193	228		
Heat exchanger water flow	m <sup>3</sup> /h	88,4	93,2	104	118	138		
Heat exchanger pressure drop	kPa	27,7	30,8	21,6	29,0	29,0		
<b>Heat recovery thermal capacity</b>	<b>kW</b>	<b>658</b>	<b>694</b>	<b>791</b>	<b>883</b>	<b>1041</b>		
TER - Total Efficiency Ratio		8,14	8,12	8,35	8,19	8,17		
Heat exchanger recovery water flow	m <sup>3</sup> /h	114	121	138	153	181		
Plant side heat exchanger recovery pressure drop	kPa	46,4	51,7	37,8	49,2	50,1		
COMPRESSORS								
Number	N°.	2	2	2	2	2		
Number of capacity	N°.	6	6	6	6	6		
Number of circuits	N°.	2	2	2	2	2		
Type of regulation		STEPS	STEPS	STEPS	STEPS	STEPS		
Minimum capacity steps	%	25	25	25	25	25		
Type of refrigerant		R134a	R134a	R134a	R134a	R134a		
Refrigerant charge	kg.	240	250	254	312	360		
Oil charge	kg.	44	44	38	38	70		
FANS								
Number	N°.	12	12	12	14	16		
Air flow	m <sup>3</sup> /s	50,6	46,0	46,0	54,9	62,8		
Singol power input	kW	1,2	1,2	1,2	1,2	1,2		
NOISE LEVELS (4)								
Total sound power	dB(A)	95	95	95	95	96		
Total sound pressure	dB(A)	62	62	62	62	63		
DIMENSIONS AND WEIGHTS (5)								
Length	mm.	7200	7200	7200	8400	9700		
Width	mm.	2260	2260	2260	2260	2260		
Height	mm.	2350	2350	2350	2350	2350		
Weight	kg.	8060	8160	8600	9160	11380		

- 1 Plant (side) cooling exchanger water (in/out) 12/7 °C  
Source (side) heat exchanger air (in) 35 °C
- 2 Plant (side) heating exchanger water (in/out) 40/45 °C  
Source (side) heat exchanger air (in) 7 °C R.H. 87%
- 3 Plant (side) cooling exchanger water (in/out) 12/7 °C  
Source (side) heat exchanger air (in) 35 °C  
Plant (side) heating exchanger water (in/out) 40/45 °C  
Source (side) heat exchanger air (in) 7 °C R.H. 87%
- 4 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units;  
in compliance with ISO 3744 for non-certified units  
Average sound pressure level, at 10 (m.) distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level
- 5 Standard configuration
- Not available

## GENERAL TECHNICAL DATA

ERACS2-Q  
SL-CA

SIZE		1062	1162	1362	1562	1762	1962	2022
ERACS2-Q /SL-CA								
COOLING (1)								
<b>Cooling capacity</b>	<b>kW</b>	<b>199</b>	<b>233</b>	<b>283</b>	<b>314</b>	<b>356</b>	<b>401</b>	<b>464</b>
Total power input (unit)	kW	72,7	87,6	109	113	137	149	166
EER		2,74	2,66	2,61	2,78	2,59	2,69	2,80
ESEER		-	-	-	-	-	-	-
Heat exchanger water flow	m <sup>3</sup> /h	34,3	40,1	48,8	54,0	61,3	69,1	79,9
Heat exchanger pressure drop	kPa	26,0	35,4	32,1	39,4	35,3	24,8	24,6
ERACS2-Q /SL-CA								
HEATING (2)								
<b>Heating capacity</b>	<b>kW</b>	<b>211</b>	<b>251</b>	<b>301</b>	<b>330</b>	<b>385</b>	<b>422</b>	<b>486</b>
Total power input (unit)	kW	64,8	78,4	89,9	98,4	119	127	147
COP		3,56	3,44	3,56	3,62	3,46	3,58	3,56
Heat exchanger water flow	m <sup>3</sup> /h	36,7	43,6	52,3	57,4	66,9	73,3	84,4
Heat exchanger pressure drop	kPa	29,6	41,9	36,9	44,4	42,1	27,9	27,5
ERACS2-Q /SL-CA								
REFRIGERATION AND HEATING (3)								
Cooling capacity	kW	209	248	305	329	381	428	484
Total power input (unit)	kW	60,6	72,2	87,1	92,5	111	122	134
Heat exchanger water flow	m <sup>3</sup> /h	34,3	40,1	48,8	54,0	61,3	69,1	79,9
Heat exchanger pressure drop	kPa	26,0	35,4	32,1	39,4	35,3	24,8	24,6
<b>Heat recovery thermal capacity</b>	<b>kW</b>	<b>266</b>	<b>316</b>	<b>386</b>	<b>416</b>	<b>486</b>	<b>542</b>	<b>609</b>
TER - Total Efficiency Ratio		7,83	7,81	7,94	8,06	7,80	7,96	8,17
Heat exchanger recovery water flow	m <sup>3</sup> /h	46,1	54,9	67,2	72,4	84,4	94,2	106
Plant side heat exchanger recovery pressure drop	kPa	46,8	66,3	60,9	70,7	67,0	46,1	43,3
COMPRESSORS								
Number	N°.	2	2	2	2	2	2	2
Number of capacity	N°.	6	6	6	6	6	6	6
Number of circuits	N°.	2	2	2	2	2	2	2
Type of regulation		STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Minimum capacity steps	%	25	25	25	25	25	25	25
Type of refrigerant		R134a	R134a	R134a	R134a	R134a	R134a	R134a
Refrigerant charge	kg.	83	97	132	132	160	167	210
Oil charge	kg.	19	20	20	30	30	30	44
FANS								
Number	N°.	6	6	6	8	8	10	10
Air flow	m <sup>3</sup> /s	18,3	20,2	22,1	26,9	28,6	33,7	35,1
Singol power input	kW	0,9	0,9	0,9	0,9	0,9	0,9	1,1
NOISE LEVELS (4)								
Total sound power	dB(A)	86	87	87	88	88	88	89
Total sound pressure	dB(A)	54	55	55	56	55	55	56
DIMENSIONS AND WEIGHTS (5)								
Length	mm.	4610	4610	5610	5610	6610	6610	6300
Width	mm.	2220	2220	2220	2220	2220	2220	2260
Height	mm.	2150	2420	2430	2430	2430	2430	2350
Weight	kg.	3600	3870	4620	5040	5520	5670	7670

- 1 Plant (side) cooling exchanger water (in/out) 12/7 °C  
Source (side) heat exchanger air (in) 35 °C
- 2 Plant (side) heating exchanger water (in/out) 40/45 °C  
Source (side) heat exchanger air (in) 7 °C R.H. 87%
- 3 Plant (side) cooling exchanger water (in/out) 12/7 °C  
Source (side) heat exchanger air (in) 35 °C  
Plant (side) heating exchanger water (in/out) 40/45 °C  
Source (side) heat exchanger air (in) 7 °C R.H. 87%
- 4 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units;  
in compliance with ISO 3744 for non-certified units  
Average sound pressure level, at 10 (m.) distance, unit in a free field on a reflective surface; non-binding value obtained  
from the sound power level
- 5 Standard configuration
- Not available

## GENERAL TECHNICAL DATA

ERACS2-Q  
SL-CA

SIZE		2222	2422	2622	2722	3222		
ERACS2-Q /SL-CA								
COOLING (1)								
<b>Cooling capacity</b>	<b>kW</b>	<b>509</b>	<b>537</b>	<b>597</b>	<b>678</b>	<b>790</b>		
Total power input (unit)	kW	170	180	210	229	281		
EER		2,99	2,98	2,85	2,96	2,81		
ESEER		-	-	-	-	-		
Heat exchanger water flow	m <sup>3</sup> /h	87,6	92,5	103	117	136		
Heat exchanger pressure drop	kPa	27,3	30,3	21,1	28,5	28,3		
ERACS2-Q /SL-CA								
HEATING (2)								
<b>Heating capacity</b>	<b>kW</b>	<b>536</b>	<b>564</b>	<b>607</b>	<b>703</b>	<b>815</b>		
Total power input (unit)	kW	158	167	176	205	238		
COP		3,71	3,67	3,72	3,70	3,70		
Heat exchanger water flow	m <sup>3</sup> /h	93,1	98,0	105	122	142		
Heat exchanger pressure drop	kPa	30,8	34,1	22,2	31,2	30,7		
ERACS2-Q /SL-CA								
REFRIGERATION AND HEATING (3)								
Cooling capacity	kW	522	550	631	701	826		
Total power input (unit)	kW	145	153	170	193	228		
Heat exchanger water flow	m <sup>3</sup> /h	87,6	92,5	103	117	136		
Heat exchanger pressure drop	kPa	27,3	30,3	21,1	28,5	28,3		
<b>Heat recovery thermal capacity</b>	<b>kW</b>	<b>658</b>	<b>694</b>	<b>791</b>	<b>883</b>	<b>1041</b>		
TER - Total Efficiency Ratio		8,14	8,12	8,35	8,19	8,17		
Heat exchanger recovery water flow	m <sup>3</sup> /h	114	121	138	153	181		
Plant side heat exchanger recovery pressure drop	kPa	46,4	51,7	37,8	49,2	50,1		
COMPRESSORS								
Number	N°.	2	2	2	2	2		
Number of capacity	N°.	6	6	6	6	6		
Number of circuits	N°.	2	2	2	2	2		
Type of regulation		STEPS	STEPS	STEPS	STEPS	STEPS		
Minimum capacity steps	%	25	25	25	25	25		
Type of refrigerant		R134a	R134a	R134a	R134a	R134a		
Refrigerant charge	kg.	240	250	254	312	360		
Oil charge	kg.	44	44	38	38	70		
FANS								
Number	N°.	12	12	12	14	16		
Air flow	m <sup>3</sup> /s	46,6	42,4	42,4	50,7	58,0		
Singol power input	kW	1,1	1,1	1,1	1,1	1,1		
NOISE LEVELS (4)								
Total sound power	dB(A)	91	91	91	91	92		
Total sound pressure	dB(A)	58	58	58	58	59		
DIMENSIONS AND WEIGHTS (5)								
Length	mm.	7200	7200	7200	8400	9700		
Width	mm.	2260	2260	2260	2260	2260		
Height	mm.	2350	2350	2350	2350	2350		
Weight	kg.	8150	8250	8690	9260	11480		

- 1 Plant (side) cooling exchanger water (in/out) 12/7 °C  
Source (side) heat exchanger air (in) 35 °C
- 2 Plant (side) heating exchanger water (in/out) 40/45 °C  
Source (side) heat exchanger air (in) 7 °C R.H. 87%
- 3 Plant (side) cooling exchanger water (in/out) 12/7 °C  
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Source (side) heat exchanger air (in) 7 °C R.H. 87%
- 4 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units;  
in compliance with ISO 3744 for non-certified units  
Average sound pressure level, at 10 (m.) distance, unit in a free field on a reflective surface; non-binding value obtained  
from the sound power level
- 5 Standard configuration
- Not available

## GENERAL TECHNICAL DATA

ERACS2-Q  
XL-CA

SIZE		2022	2222	2422	2622	2722	3222	
ERACS2-Q /XL-CA								
COOLING (1)								
<b>Cooling capacity</b>	<b>kW</b>	<b>454</b>	<b>500</b>	<b>528</b>	<b>584</b>	<b>665</b>	<b>772</b>	
Total power input (unit)	kW	167	169	180	212	230	287	
EER		2,73	2,95	2,94	2,76	2,90	2,70	
ESEER		-	-	-	-	-	-	
Heat exchanger water flow	m <sup>3</sup> /h	78,2	86,2	91,0	101	115	133	
Heat exchanger pressure drop	kPa	23,6	26,4	29,4	20,2	27,4	27,1	
ERACS2-Q /XL-CA								
HEATING (2)								
<b>Heating capacity</b>	<b>kW</b>	<b>486</b>	<b>536</b>	<b>564</b>	<b>607</b>	<b>703</b>	<b>815</b>	
Total power input (unit)	kW	143	152	161	170	199	230	
COP		3,56	3,71	3,67	3,72	3,70	3,70	
Heat exchanger water flow	m <sup>3</sup> /h	84,4	93,1	98,0	105	122	142	
Heat exchanger pressure drop	kPa	27,5	30,8	34,1	22,2	31,2	30,7	
ERACS2-Q /XL-CA								
REFRIGERATION AND HEATING (3)								
Cooling capacity	kW	484	522	550	631	701	826	
Total power input (unit)	kW	134	145	153	170	193	228	
Heat exchanger water flow	m <sup>3</sup> /h	78,2	86,2	91,0	101	115	133	
Heat exchanger pressure drop	kPa	23,6	26,4	29,4	20,2	27,4	27,1	
<b>Heat recovery thermal capacity</b>	<b>kW</b>	<b>609</b>	<b>658</b>	<b>694</b>	<b>791</b>	<b>883</b>	<b>1041</b>	
TER - Total Efficiency Ratio		8,17	8,14	8,12	8,35	8,19	8,17	
Heat exchanger recovery water flow	m <sup>3</sup> /h	106	114	121	138	153	181	
Plant side heat exchanger recovery pressure drop	kPa	43,3	46,4	51,7	37,8	49,2	50,1	
COMPRESSORS								
Number	N°.	2	2	2	2	2	2	
Number of capacity	N°.	6	6	6	6	6	6	
Number of circuits	N°.	2	2	2	2	2	2	
Type of regulation		STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	
Minimum capacity steps	%	25	25	25	25	25	25	
Type of refrigerant		R134a	R134a	R134a	R134a	R134a	R134a	
Refrigerant charge	kg.	210	240	250	254	312	360	
Oil charge	kg.	44	44	44	38	38	70	
FANS								
Number	N°.	10	12	12	12	14	16	
Air flow	m <sup>3</sup> /s	30,5	40,7	36,9	36,9	44,2	50,5	
Singol power input	kW	0,43	0,43	0,43	0,43	0,43	0,43	
NOISE LEVELS (4)								
Total sound power	dB(A)	85	87	87	87	87	88	
Total sound pressure	dB(A)	52	54	54	54	54	55	
DIMENSIONS AND WEIGHTS (5)								
Length	mm.	6300	7200	7200	7200	8400	9700	
Width	mm.	2260	2260	2260	2260	2260	2260	
Height	mm.	2350	2350	2350	2350	2350	2350	
Weight	kg.	7790	8260	8350	8790	9340	11580	

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- 4 Sound power on the basis of measurements made in compliance with ISO 9614 and Eurovent 8/1 for Eurovent certified units;  
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Average sound pressure level, at 10 (m.) distance, unit in a free field on a reflective surface; non-binding value obtained  
from the sound power level
- 5 Standard configuration
- Not available

GENERAL TECHNICAL DATA

ERACS2-Q  
XL-CA-E

SIZE		1062	1162	1362	1562	1762	2022	2222
ERACS2-Q /XL-CA-E								
COOLING (1)								
<b>Cooling capacity</b>	<b>kW</b>	<b>204</b>	<b>247</b>	<b>293</b>	<b>319</b>	<b>366</b>	<b>473</b>	<b>510</b>
Total power input (unit)	kW	66,6	77,0	99,5	105	127	152	163
EER		3,07	3,21	2,95	3,06	2,88	3,11	3,14
ESEER		-	-	-	-	-	-	-
Heat exchanger water flow	m <sup>3</sup> /h	35,2	42,5	50,5	55,0	63,1	81,4	87,7
Heat exchanger pressure drop	kPa	27,2	39,8	34,4	40,8	37,4	25,5	27,3
ERACS2-Q /XL-CA-E								
HEATING (2)								
<b>Heating capacity</b>	<b>kW</b>	<b>218</b>	<b>267</b>	<b>308</b>	<b>340</b>	<b>393</b>	<b>513</b>	<b>552</b>
Total power input (unit)	kW	62,4	77,6	88,4	95,2	116	145	154
COP		3,65	3,60	3,63	3,71	3,51	3,72	3,80
Heat exchanger water flow	m <sup>3</sup> /h	37,9	46,4	53,5	59,1	68,3	89,1	95,9
Heat exchanger pressure drop	kPa	31,6	47,5	38,7	47,2	43,8	30,6	32,6
ERACS2-Q /XL-CA-E								
REFRIGERATION AND HEATING (3)								
Cooling capacity	kW	209	248	305	329	381	484	522
Total power input (unit)	kW	60,6	72,2	87,1	92,5	111	134	145
Heat exchanger water flow	m <sup>3</sup> /h	35,2	42,5	50,5	55,0	63,1	81,4	87,7
Heat exchanger pressure drop	kPa	27,2	39,8	34,4	40,8	37,4	25,5	27,3
<b>Heat recovery thermal capacity</b>	<b>kW</b>	<b>266</b>	<b>316</b>	<b>386</b>	<b>416</b>	<b>486</b>	<b>609</b>	<b>658</b>
TER - Total Efficiency Ratio		7,83	7,81	7,94	8,06	7,80	8,17	8,14
Heat exchanger recovery water flow	m <sup>3</sup> /h	46,1	54,9	67,2	72,4	84,4	106	114
Plant side heat exchanger recovery pressure drop	kPa	46,8	66,3	60,9	70,7	67,0	43,3	46,4
COMPRESSORS								
Number	N°.	2	2	2	2	2	2	2
Number of capacity	N°.	6	6	6	6	6	6	6
Number of circuits	N°.	2	2	2	2	2	2	2
Type of regulation	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Minimum capacity steps	%	25	25	25	25	25	25	25
Type of refrigerant		R134a	R134a	R134a	R134a	R134a	R134a	R134a
Refrigerant charge	kg.	97	116	132	132	167	248	254
Oil charge	kg.	19	20	20	30	30	44	44
FANS								
Number	N°.	6	8	8	8	10	12	14
Air flow	m <sup>3</sup> /s	20,2	26,9	26,9	28,6	33,7	42,0	52,3
Singol power input	kW	0,43	0,43	0,43	0,43	0,43	0,43	0,43
NOISE LEVELS (4)								
Total sound power	dB(A)	85	86	86	87	87	86	88
Total sound pressure	dB(A)	53	54	54	54	54	53	55
DIMENSIONS AND WEIGHTS (5)								
Length	mm.	4610	5610	5610	6610	6610	8400	9300
Width	mm.	2220	2220	2220	2220	2220	2260	2260
Height	mm.	2420	2430	2430	2430	2430	2350	2350
Weight	kg.	3900	4490	4830	5590	5730	8510	8720

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GENERAL TECHNICAL DATA

ERACS2-Q  
XL-CA-E

SIZE		2422	2622				
ERACS2-Q /XL-CA-E							
COOLING (1)							
<b>Cooling capacity</b>	<b>kW</b>	<b>541</b>	<b>611</b>				
Total power input (unit)	kW	169	193				
EER		3,20	3,17				
ESEER		-	-				
Heat exchanger water flow	m <sup>3</sup> /h	93,2	105				
Heat exchanger pressure drop	kPa	30,8	22,1				
ERACS2-Q /XL-CA-E							
HEATING (2)							
<b>Heating capacity</b>	<b>kW</b>	<b>588</b>	<b>644</b>				
Total power input (unit)	kW	164	176				
COP		3,80	3,89				
Heat exchanger water flow	m <sup>3</sup> /h	102	112				
Heat exchanger pressure drop	kPa	37,1	25,0				
ERACS2-Q /XL-CA-E							
REFRIGERATION AND HEATING (3)							
Cooling capacity	kW	550	631				
Total power input (unit)	kW	153	170				
Heat exchanger water flow	m <sup>3</sup> /h	93,2	105				
Heat exchanger pressure drop	kPa	30,8	22,1				
<b>Heat recovery thermal capacity</b>	<b>kW</b>	<b>694</b>	<b>791</b>				
TER - Total Efficiency Ratio		8,12	8,35				
Heat exchanger recovery water flow	m <sup>3</sup> /h	121	138				
Plant side heat exchanger recovery pressure drop	kPa	51,7	37,8				
COMPRESSORS							
Number	N°.	2	2				
Number of capacity	N°.	6	6				
Number of circuits	N°.	2	2				
Type of regulation		STEPS	STEPS				
Minimum capacity steps	%	25	25				
Type of refrigerant		R134a	R134a				
Refrigerant charge	kg.	282	286				
Oil charge	kg.	44	38				
FANS							
Number	N°.	14	16				
Air flow	m <sup>3</sup> /s	48,6	53,0				
Singol power input	kW	0,43	0,43				
NOISE LEVELS (4)							
Total sound power	dB(A)	88	88				
Total sound pressure	dB(A)	55	55				
DIMENSIONS AND WEIGHTS (5)							
Length	mm.	9300	9300				
Width	mm.	2260	2260				
Height	mm.	2350	2350				
Weight	kg.	8890	9400				

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- 5 Standard configuration
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