

# WATER CHILLERS R407C – R134A – R22

WATER COOLED WATER CHILLERS

WITH SCROLL COMPRESSORS (SINGLE AND TANDEM)



RWE 762.K+CFU

## RWE... Series

1 or 2 refrigerant circuits – cooling capacities from 36 to 393 kW

Packaged chillers suitable for cooling plants in air conditioning systems and industrial premises.

Designed for internal installation.

Realized with a compact support frame, made of bent and painted steel profiles, supporting all the main components, installed at sight.

1 or 2 refrigerant circuits

Available versions are the following:

**RWE...K** with ecological gas R407C

**RWE...Ka** with ecological gas R134a

**RWE...** standard version with R22

### Made up of:

High efficiency Scroll compressors (COP 3,37 under ARI conditions) with low sound level (on average 6 dB (A) less than the corresponding hermetic compressors), with internal heat protection, mounted on dampers.

Units with 1 or 2 cooling circuits with bigger capacity are provided with scroll tandem compressors.

Weld-brazed plate evaporators with one or two circuits with thermal insulation.

Weld-brazed plate condensers with one or two circuits.

Electric panel in compliance with CE norms, supplied with protection fuses and safety transformer.

Every cooling circuit is composed of: thermostatic expansion valve, sight glass, dehydrating filter, safety device, antifreeze safety device, high and low pressure switches, high and low pressure gauges.

Electronic microprocessor for the control on all units.

Compressors hour counter.

## Accessories

A	Amperometer
AE	Electrical power supply different from standard
CA	Condensers for seawater
CC	Insulated condensers
CF	Soundproofed compressors cabinet with standard material
CFU	Soundproofed compressors cabinet with lead material
CI	Soundproofing coating on compressors
CS	Compressor inrush counter
HG	Hot gas by-pass (only for 1 circuit units)
IE	Wooden crate packing
IH	RS 485 serial interface
IM	Seawood packing
IR	Packing with wooden pallet and transparent film
MF	Phase monitor
MP	Oversized microprocessor
PA	Rubber-type vibration dampers
PF	Safety water flow switch on evaporator
PM	Spring-type vibration dampers
PQ	Remote microprocessor
RA	Anti-freeze heater on evaporator
RL	Compressors overload relays
RP	Partial heat recovery
RT	Total heat recovery
V	Voltmeter
VB	Brine version (water temperature < 0 °C)
VS	Solenoid valve

# WATER CHILLERS R407C – R134A – R22

## WATER COOLED WATER CHILLERS

### WITH SCROLL COMPRESSORS (SINGLE AND TANDEM)

#### RWE...K Technical data with refrigerant R407C

MODEL	RWE...K	541 K	631 K	761.K	931.K	1201	1501	1901
Cooling capacity 1)	kW	54,3	62,9	77,1	94,8	125	158	196
Absorbed power	kW	11,8	13,4	17,1	19,9	27,0	33,7	40,3
Heating capacity	kW	66,1	76,3	94,2	115	152	191	237
<b>Brazed plate evaporator</b>								
Quantity	n	1	1	1	1	1	1	1
Circuits	n	1	1	1	1	1	1	1
Water flow rate	l/s	2,6	3,0	3,7	4,5	6,0	7,5	9,4
Water flow rate	m <sup>3</sup> /h	9,3	10,8	13,3	16,3	21,5	27,2	33,7
Pressure drop	kPa	40	43	33	39	38	41	43
<b>Brazed plate condenser</b>								
Quantity	n	1	1	1	1	1	1	1
Water flow rate	l/s	3,2	3,6	4,5	5,5	7,3	9,1	11,3
Water flow rate	m <sup>3</sup> /h	11,4	13,1	16,2	19,8	26,1	32,9	40,8
Pressure drop	kPa	57	61	47	40	54	58	68
<b>Scroll compressors (tandem)</b>								
Quantity	n	2	2	2	2	2	2	2
Standard steps capacity	%	0 / 50 / 100%						
Nominal absorbed current	A	26,3	27,1	31,3	37,8	48,2	61,9	72,7
Maximum absorbed current	A	40	44	54	64	82	104	125
Inrush current	A	143	149	194	230	266	324	373
Sound pressure level 2)	dB(A)	70	70	72	72	75	77	79
<b>Dimensions</b>								
Length	mm	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Width	mm	750	750	750	750	750	750	750
Height	mm	1.600	1.600	1.600	1.600	1.800	1.800	1.800
Transport weight 3)	kg	505	521	555	603	715	795	881
Working weight	kg	511	528	565	614	731	815	908
Refrigerant charge for each circuit	kg	4,4	5	6,4	7,3	10	13	18
<b>Power supply</b>	<b>400 V / 50 Hz / 3 Ph + T + N</b>							

1) Nominal conditions referred to: chilled water 7/12 °C - condensing water 30/35 °C

2) Measured at 1 m in open field (ISO 3746)

3) Oil and refrigerant charge included

#### RWE...K Technical data with refrigerant R407C

MODEL	RWE...K	442 K	532 K	612 K	762 K	922 K	1262 K	1552 K	1912 K
Cooling capacity 1)	kW	45,3	55,1	62,7	77,4	94,4	126	158	195
Absorbed power	kW	9,7	11,6	13,5	16,9	20,1	27	33,6	40,6
Heating capacity	kW	55,0	66,7	76,2	94,3	114,5	153	191,6	235,6
<b>Brazed plate evaporator</b>									
Quantity	n	2	2	2	2	2	1	1	1
Circuits	n	2	2	2	2	2	2	2	2
Water flow rate	l/s	2,16	2,63	3,00	3,70	4,51	6,02	7,55	9,32
Water flow rate	m <sup>3</sup> /h	7,79	9,48	10,78	13,31	16,24	21,67	27,18	33,54
Pressure drop	kPa	27	29	38	37	40	38	42	49
Water volume	l	3,1	3,8	3,8	4,8	5,7	8,4	10	12
<b>Brazed plate condenser</b>									
Quantity	n	2	2	2	2	2	1	1	1
Water flow rate	l/s	2,63	3,19	3,64	4,51	5,47	7,31	9,15	11,26
Water flow rate	m <sup>3</sup> /h	9,45	11,47	13,11	16,22	19,69	26,32	32,96	40,52
Pressure drop	kPa	38	41	53	53	56	46	46	56
Water volume	l	3,1	3,8	3,8	4,8	5,7	8,4	10	12
<b>Scroll compressors</b>									
Quantity	n	2	2	2	2	2	2	2	2
Standard steps capacity	n	0 / 50 / 100%							
Nominal absorbed current	A	22	26	27	31	38	48	62	73
Maximum absorbed current	A	34	40	44	54	64	82	104	125
Inrush current	A	116	143	149	194	230	266	324	373
Sound pressure level 2)	dB(A)	70	70	74	76	73	73	77	77
<b>Dimensions</b>									
Length	mm	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Width	mm	750	750	750	750	750	750	750	750
Height	mm	1.600	1.600	1.600	1.600	1.600	1.800	1.800	1.800
Transport weight 3)	kg	496	516	525	545	596	721	795	859
Working weight	kg	502	523	533	555	608	738	815	883
Refrigerant charge for each circuit	kg	2,0	2,4	2,4	3,1	3,7	5,5	6,7	7,9
<b>Power supply</b>	<b>400 V / 50 Hz / 3 Ph + T + N</b>								

1) Nominal conditions referred to: chilled water 7/12 °C - condensing water 30/35 °C

2) Measured at 1 m in open field (ISO 3746)

3) Oil and refrigerant charge included

# WATER CHILLERS R407C – R134A – R22

## WATER COOLED WATER CHILLERS

### WITH SCROLL COMPRESSORS (SINGLE AND TANDEM)

#### RWE...K Technical data with refrigerant R407C

MODEL	RWE...K	892 K	1082 K	1212 K	1512 K	1852 K	2462 K	3102 K	3822 K
Cooling capacity 1)	kW	90,4	108	125	155	190	250	315	393
Absorbed power	kW	19,3	23,7	27,0	33,8	40,4	54	67,4	80,6
Heating capacity	kW	109,7	131,7	152,0	188,8	230,4	304	382,4	473,6
<b>Brazed plate evaporator</b>									
Quantity	n	1	1	1	1	1	2	2	2
Circuits	n	1	1	1	1	1	2	2	2
Water flow rate	l/s	4,32	5,16	5,97	7,41	9,08	11,94	15,05	18,78
Water flow rate	m <sup>3</sup> /h	15,55	18,58	21,50	26,66	32,68	43,00	54,18	67,60
Pressure drop	kPa	41	44	46	48	38	38	41	43
Water volume	l	5,7	6,6	7,5	9,3	14	16	20	27
<b>Brazed plate condenser</b>									
Quantity	n	1	1	1	1	1	2	2	2
Water flow rate	l/s	5,24	6,29	7,26	9,02	11,01	14,52	18,27	22,63
Water flow rate	m <sup>3</sup> /h	18,87	22,65	26,14	32,47	39,63	52,29	65,77	81,46
Pressure drop	kPa	35	41	45	45	54	54	58	68
Water volume	l	5,7	6,6	7,5	9,3	14	16	20	27
<b>Scroll compressors (tandem)</b>									
Quantity	n	4	4	4	4	4	4	4	4
Standard steps capacity	%	0 / 50 / 100%							
Optional steps capacity	%	0 / 25 / 50 / 100%							
Nominal absorbed current	A	44	53	54	62	76	96	124	145
Maximum absorbed current	A	68	80	88	108	128	164	208	250
Inrush current	A	150	183	193	248	294	348	428	498
Sound pressure level 2)	dB(A)	72	73	73	75	75	78	80	82
<b>Dimensions</b>									
Length	mm	2.500	2.500	2.500	2.500	2.500	3.000	3.000	3.000
Width	mm	750	750	750	750	750	750	750	750
Height	mm	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800
Transport weight 3)	kg	862	884	916	956	1.096	1.338	1.498	1.670
Working weight	kg	873	897	931	974	1.124	1.370	1.539	1.725
Refrigerant charge for each circuit	kg	3,7	4,3	4,9	6,1	9,2	10	13	18
<b>Power supply</b>		<b>400 V / 50 Hz / 3 Ph + T + N</b>							

1) Nominal conditions referred to: chilled water 7/12 °C - condensing water 30/35 °C

2) Measured at 1 m in open field (ISO 3746)

3) Oil and refrigerant charge included

#### RWE...Ka Technical data with refrigerant R134a

MODEL	RWE...Ka	341 Ka	401 Ka	491 Ka	591 Ka	711 Ka	971 Ka	1201 Ka
Cooling capacity 1)	kW	35,6	41,5	50,4	60,1	80,3	99	124
Absorbed power	kW	8,1	9,2	11,3	13,5	17,5	22,0	27,1
Heating capacity	kW	43,7	50,7	61,7	73,6	97,8	121,0	151,1
<b>Brazed plate evaporator</b>								
Quantity	n	1	1	1	1	1	1	1
Circuits	n	1	1	1	1	1	1	1
Water flow rate	l/s	1,7	2,0	2,4	2,9	3,8	4,7	5,9
Water flow rate	m <sup>3</sup> /h	6,1	7,1	8,7	10,3	13,8	17,0	21,3
Pressure drop	kPa	23	24	28	28	20	24	25
<b>Brazed plate condenser</b>								
Quantity	n	1	1	1	1	1	1	1
Water flow rate	l/s	2,1	2,4	2,9	3,5	4,7	5,8	7,2
Water flow rate	m <sup>3</sup> /h	7,5	8,7	10,6	12,7	16,8	20,8	26
Pressure drop	kPa	70	62	65	71	51	62	70
<b>Scroll compressors (tandem)</b>								
Quantity	n	2	2	2	2	2	2	2
Standard steps capacity	%	0 / 50 / 100%						
Nominal absorbed current	A	19,8	22,5	27,7	31,3	37,3	46,8	58,7
Maximum absorbed current	A	40	44	54	64	82	104	125
Inrush current	A	143	149	194	230	266	324	373
Sound pressure level 2)	dB(A)	70	70	72	72	75	77	79
<b>Dimensions</b>								
Length	mm	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Width	mm	750	750	750	750	750	750	750
Height	mm	1.600	1.600	1.600	1.600	1.800	1.800	1.800
Transport weight 3)	kg	498	514	528	579	699	763	833
Weight in operation	kg	504	521	535	588	713	779	854
Refrigerant charge for each circuit	kg	3,7	4,4	5	6,3	9	10	13
<b>Power supply</b>		<b>400 V / 50 Hz / 3 Ph + T + N</b>						

1) Nominal conditions referred to: chilled water 7/12 °C - condensing water 30/35 °C

2) Measured at 1 m in open field (ISO 3746)

3) Oil and refrigerant charge included

# WATER CHILLERS R407C – R134A – R22

## WATER COOLED WATER CHILLERS WITH SCROLL COMPRESSORS (SINGLE AND TANDEM)

### RWE...Ka Technical data with refrigerant R134a

MODEL	RWE...Ka	282 Ka	352 Ka	402 Ka	492 Ka	592 Ka	772 Ka	972 Ka	1222 Ka
Cooling capacity 1)	kW	29,1	36,1	41,2	50,7	60,8	79,3	99,5	125
Absorbed power	kW	6,7	8,0	9,3	11,3	13,4	17,5	21,8	27
Heating capacity	kW	35,8	44,1	50,5	62,0	74,2	96,8	121,3	152
<b>Brazed plate evaporator</b>									
Quantity	n	2	2	2	2	2	1	1	1
Circuits	n	2	2	2	2	2	1	1	1
Water flow rate	l/s	1,39	1,72	1,97	2,42	2,90	3,79	4,75	5,97
Water flow rate	m <sup>3</sup> /h	5,01	6,21	7,09	8,72	10,46	13,64	17,11	21,50
Pressure drop	kPa	18	17	22	25	23	32	29	31
Water volume	l	2,4	3,1	3,1	3,8	4,8	5,7	7,5	9,3
<b>Brazed plate condenser</b>									
Quantity	n	2	2	2	2	2	1	1	1
Water flow rate	l/s	1,71	2,11	2,41	2,96	3,55	4,62	5,80	7,26
Water flow rate	m <sup>3</sup> /h	6,15	7,58	8,68	10,66	12,76	16,65	20,86	26,14
Pressure drop	kPa	50	39	51	48	50	46	43	54
Water volume	l	2,4	3,1	3,1	3,8	4,8	5,7	7,5	9,3
<b>Scroll compressors</b>									
Quantity	n	2	2	2	2	2	2	2	2
Standard steps capacity	%	0 / 50 / 100%							
Nominal absorbed current	A	18	20	23	28	31	37	47	59
Maximum absorbed current	A	34	40	44	54	64	82	102	125
Inrush current	A	116	143	149	194	230	266	324	373
Sound pressure level 2)	dB(A)	69	70	70	72	72	75	77	79
<b>Dimensions</b>									
Length	mm	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Width	mm	750	750	750	750	750	750	750	750
Height	mm	1.600	1.600	1.600	1.600	1.600	1.800	1.800	1.800
Transport weight 3)	kg	488	500	510	532	584	683	757	821
Working weight	kg	492	507	516	570	593	694	772	839
Refrigerant charge for each circuit	kg	1,5	2,0	2,0	2,4	3,1	3,7	4,9	6,1
<b>Power supply</b> 400 V / 50 Hz / 3 Ph + T + N									

1) Nominal conditions referred to: chilled water 7/12 °C - condensing water 30/35 °C

2) Measured at 1 m in open field (ISO 3746)

3) Oil and refrigerant charge included

### RWE...Ka Technical data with refrigerant R134a

MODEL	RWE...Ka	572 Ka	702 Ka	802 Ka	992 Ka	1192 Ka	1522 Ka	1952 Ka	2442 Ka
Cooling capacity 1)	kW	58,0	71	83	101	121	161	198	250
Absorbed power	kW	13,2	16,2	18,6	22,6	27,1	35	44	53,5
Heating capacity	kW	71,2	87,4	101,7	123,9	148,1	196	242	303,5
<b>Brazed plate evaporator</b>									
Quantity	n	2	2	1	1	1	2	2	2
Circuits	n	2	2	1	1	1	2	2	2
Water flow rate	l/s	2,77	3,40	3,97	4,84	5,78	7,69	9,46	11,94
Water flow rate	m <sup>3</sup> /h	9,98	12,25	14,29	17,42	20,81	27,69	34,06	43,00
Pressure drop	kPa	27	23	26	30	29	20	24	26
Water volume	l	4,2	5,7	6,6	7,5	9	14	16	20
<b>Brazed plate condenser</b>									
Quantity	n	1	1	1	1	1	2	2	2
Water flow rate	l/s	3,40	4,18	4,86	5,92	7,08	9,36	11,56	14,50
Water flow rate	m <sup>3</sup> /h	12,25	15,03	17,49	21,31	25,47	33,71	41,62	52,20
Pressure drop	kPa	35	41	45	45	54	54	58	68
Water volume	l	4,2	5,7	6,6	7,5	9	14	16	20
<b>Scroll compressors (tandem)</b>									
Quantity	n	4	4	4	4	4	4	4	4
Standard steps capacity	%	0 / 50 / 100%							
Optional steps capacity	%	0 / 25 / 50 / 100%							
Nominal absorbed current	A	35	40	45	55	63	75	94	117
Maximum absorbed current	A	68	80	88	108	128	164	208	250
Inrush current	A	150	183	193	248	294	348	428	498
Sound pressure level 2)	dB(A)	72	73	73	75	75	78	80	82
<b>Dimensions</b>									
Length	mm	2.500	2.500	2.500	2.500	2.500	3.000	750	750
Width	mm	750	750	750	750	750	750	3.000	3.000
Height	mm	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800
Transport weight 3)	kg	835	865	903	930	1.033	1.306	1.434	1.575
Working weight	kg	843	876	916	945	1.051	1.334	1.466	1.616
Refrigerant charge for each circuit	kg	2,7	3,7	4,3	4,9	6,1	9	10	13
<b>Power supply</b> 400 V / 50 Hz / 3 Ph + T + N									

1) Nominal conditions referred to: chilled water 7/12 °C - condensing water 30/35 °C

2) Measured at 1 m in open field (ISO 3746)

3) Oil and refrigerant charge included

# WATER CHILLERS R407C – R134A – R22

## WATER COOLED WATER CHILLERS

### WITH SCROLL COMPRESSORS (SINGLE AND TANDEM)

#### RWE... Technical data with refrigerant R22

MODEL	RWE	531	611	741	891	1171	1451	1811
Cooling capacity 1)	kW	53,4	62	75,5	93	121	150	185
Absorbed power	kW	11,6	13,4	16,8	19,7	26,4	32	39,4
Heating capacity	kW	65	75,4	92,3	112,7	147,4	182	224,4
<b>Brazed plate evaporator</b>								
Quantity	n	1	1	1	1	1	1	1
Circuits	n	1	1	1	1	1	1	1
Water flow rate	l/s	2,6	3,0	3,6	4,4	5,8	7,2	8,8
Water flow rate	m <sup>3</sup> /h	9,2	10,7	13,0	16,0	20,8	25,8	31,8
Pressure drop	kPa	31	30	25	27	28	32	35
<b>Brazed plate condenser</b>								
Quantity	n	1	1	1	1	1	1	1
Water flow rate	l/s	3,1	3,6	4,4	5,4	7,0	8,7	10,7
Water flow rate	m <sup>3</sup> /h	11,2	13,0	15,9	19,4	25,4	31,3	38,6
Pressure drop	kPa	55	60	46	39	51	53	62
<b>Scroll compressors (tandem)</b>								
Quantity	n	2	2	2	2	2	2	2
Standard steps capacity	%	0 / 50 / 100%						
Nominal absorbed current	A	23,7	27,3	31,2	37,9	46,9	60,7	71,9
Maximum absorbed current	A	40	44	54	64	82	104	125
Inrush current	A	143	149	194	230	266	324	373
Sound pressure level 2)	dB(A)	70	70	72	72	75	77	79
<b>Dimensions</b>								
Length	mm	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Width	mm	750	750	750	750	750	750	750
Height	mm	1.600	1.600	1.600	1.600	1.800	1.800	1.800
Transport weight 3)	kg	511	533	564	619	731	811	897
Weight in operation	kg	519	543	576	632	749	833	926
Refrigerant charge for each circuit	kg	5	6,3	7,3	8,8	12	15	20
<b>Power supply</b>		<b>400 V / 50 Hz / 3 Ph + T + N</b>						

1) Nominal conditions referred to: chilled water 7/12 °C - condensing water 30/35 °C

2) Measured at 1 m in open field (ISO 3746)

3) Oil and refrigerant charge included

#### RWE... Technical data with refrigerant R22

MODEL	RWE	422	522	602	742	892	1172	1452	1812
Cooling capacity 1)	kW	43,1	53,6	61,5	75,7	91,4	120	149	185
Absorbed power	kW	9,7	11,5	13,5	16,7	19,9	26,3	32,2	39,5
Heating capacity	kW	52,8	65,1	75,0	92,4	111,3	146,3	181,2	224,5
<b>Brazed plate evaporator</b>									
Quantity	n	2	2	2	2	2	1	1	1
Circuits	n	2	2	2	2	2	1	1	1
Water flow rate	l/s	2,06	2,56	2,94	3,62	4,37	5,73	7,12	8,84
Water flow rate	m <sup>3</sup> /h	7,41	9,22	10,58	13,02	15,72	20,64	25,63	31,82
Pressure drop	kPa	24	27	30	26	37	35	37	36
Water volume	l	3,1	3,8	4,2	5,7	5,7	8,4	10	14
<b>Brazed plate condenser</b>									
Quantity	n	2	2	2	2	2	1	1	1
Water flow rate	l/s	2,52	3,11	3,58	4,41	5,32	6,99	8,66	10,73
Water flow rate	m <sup>3</sup> /h	9,09	11,20	12,90	15,89	19,14	25,16	31,17	38,61
Pressure drop	kPa	35	39	51	51	53	42	47	51
Water volume	l	3,1	3,8	4,2	5,7	5,7	8,4	10	14
<b>Scroll compressors</b>									
Quantity	n	2	2	2	2	2	2	2	2
Standard steps capacity	%	0 / 50 / 100%							
Nominal absorbed current	A	21	24	27	31	38	47	61	72
Maximum absorbed current	A	34	40	44	54	64	82	104	125
Inrush current	A	116	143	149	194	230	266	324	373
Sound pressure level 2)	dB(A)	69	70	70	72	72	75	77	79
<b>Dimensions</b>									
Length	mm	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Width	mm	750	750	750	750	750	750	750	750
Height	mm	1.600	1.600	1.600	1.600	1.600	1.800	1.800	1.800
Transport weight 3)	kg	496	516	530	558	596	721	795	884
Working weight	kg	502	523	539	569	608	738	815	912
Refrigerant charge for each circuit	kg	2,0	2,4	2,7	3,7	3,7	5,5	6,7	9,2
<b>Power supply</b>		<b>400 V / 50 Hz / 3 Ph + T + N</b>							

1) Nominal conditions referred to: chilled water 7/12 °C - condensing water 30/35 °C

2) Measured at 1 m in open field (ISO 3746)

3) Oil and refrigerant charge included

# WATER CHILLERS R407C – R134A – R22

## WATER COOLED WATER CHILLERS

### WITH SCROLL COMPRESSORS (SINGLE AND TANDEM)

#### RWE... Technical data with refrigerant R22

MODEL	RWE	842	1052	1232	1482	1792	2352	2922	3632
Cooling capacity 1)	kW	86,4	107	123	150	185	241	300	369
Absorbed power	kW	19,7	23,3	27	33,4	39,9	52,7	64	78,7
Heating capacity	kW	106,1	130,3	150	183,4	224,9	293,7	364	447,7
<b>Brazed plate evaporator</b>									
Quantity	n	1	1	1	1	1	2	2	2
Circuits	n	1	1	1	1	1	2	2	2
Water flow rate	l/s	4,13	5,11	5,88	7,17	8,84	11,51	14,33	17,63
Water flow rate	m <sup>3</sup> /h	14,86	18,40	21,16	25,80	31,82	41,45	51,60	63,47
Pressure drop	kPa	28	34	36	38	36	28	32	38
Water volume	l	6,6	7,5	8,4	10	14	18	23	27
<b>Brazed plate condenser</b>									
Quantity	n	1	1	1	1	1	2	2	2
Water flow rate	l/s	5,07	6,23	7,17	8,76	10,75	14,03	17,39	21,39
Water flow rate	m <sup>3</sup> /h	18,25	22,41	25,80	31,54	38,68	50,52	62,61	77
Pressure drop	kPa	42	40	44	42	51	51	53	61
Water volume	l	6,6	7,5	8,4	10	14	18	23	27
<b>Scroll compressors (tandem)</b>									
Quantity	n	4	4	4	4	4	4	4	4
Standard steps capacity	%	0 / 50 / 100%							
Optional steps capacity	%	0 / 25 / 50 / 100%							
Nominal absorbed current	A	43	48	55	62	76	94	121	144
Maximum absorbed current	A	68	80	88	108	128	164	208	250
Inrush current	A	150	183	193	248	294	348	428	498
Sound pressure level 2)	dB(A)	72	73	73	75	75	78	80	82
<b>Dimensions</b>									
Length	mm	2.500	2.500	2.500	2.500	2.500	3.000	3.000	3.000
Width	mm	750	750	750	750	750	750	750	750
Height	mm	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800
Transport weight 3)	kg	874	897	929	969	1.096	1.370	1.530	1.670
Working weight	kg	888	912	945	989	1.124	1.406	1.575	1.725
Refrigerant charge for each circuit	kg	4,3	4,9	5,5	6,7	9,2	12	15	18
<b>Power supply</b>		<b>400 V / 50 Hz / 3 Ph + T + N</b>							

1) Nominal conditions referred to: chilled water 7/12 °C - condensing water 30/35 °C

2) Measured at 1 m in open field (ISO 3746)

3) Oil and refrigerant charge included