

## NRB 0800-3600 T

## Air-water chiller

Cooling capacity 216,9 ÷ 1049,5 kW

- Microchannel coil
- HP floating: ESEER +7% with inverter fans
- Night mode



EUROVENT LCP

Outdoor chillers for the production of chilled water with high efficiency scroll compressors, axial fans, microchannel condenser coils, and Shell&tube heat exchanger. In the units (with desuperheater or total recovery) there is also the possibility of producing hot water for free. The base, the structure and the panels are made of steel treated with polyester paint.

### VERSIONS

<b>NRB_°</b>	Standard
<b>NRB_L</b>	Standard low noise
<b>NRB_A</b>	High efficiency
<b>NRB_E</b>	High efficiency low noise
<b>NRB_U</b>	Very high efficiency
<b>NRB_N</b>	Very high efficiency low noise

### RANGE OF OPERATION

Work up to 50°C of outdoor air temperature at full load, depending on size and version. For further details refer to the selection software/technical documentation.

- Unit with 2 refrigerant circuits designed to provide maximum efficiency at full load, also ensuring high efficiency at partial loads and ensuring continuity in case one of the circuits stops.
- The full range uses aluminium microchannel coils, ensuring very high levels of efficiency. This allows the use less refrigerant compared to traditional copper coils.
- The possibility of using the electronic thermostatic valve brings significant benefits, particular in when the refrigerant is working at partial loads to the benefit of energy efficiency of the unit. It is supplied as standard from size 1800÷3600 and is optional for all other sizes.
- Standard differential pressure switch
- Electrical heater for plate heat exchanger
- Possibility of integrated hydronic kit that encloses the main hydraulic components; it is available in different configurations with one or two pumps, with different static pressures available.

### CONTROL

Microprocessor adjustment, complete with a 7" touch screen keyboard, which allows to navigate intuitively among the various screens, allowing

to modify the operating parameters and graphically view the progress of some variables in real time.

- The presence of a programmable timer allows setting time bands of operation and a possible second set-point.
- The temperature control takes place with the integral proportional logic, based on the water output temperature.
- **Floating HP:** is supplied as standard on all models. This modulates the fan speed according to the unit load and offers an improved ESEER (beyond the declared values) when applied with variable speed fans (ie. units with DCPX option or inverter fans). **ESEER improvements of up to 7% are obtained with inverter equipped models.**
- **Night Mode:** it is possible to set a silenced operation profile.
- Perfect for night operation, since it guarantees greater acoustic comfort in the evenings, and a high efficiency in the time of greater load. **Night Mode is standard on all low noise versions. For all other versions either the DCPX accessory or "J" inverter fan must be specified to allow Night Mode to operate.**

### ACCESSORIES

**AER485P1:** RS-485 interface for supervision systems with MODBUS protocol.

**AERNET:** The device allows the control, the management and the remote monitoring of a Chiller with a PC, smartphone or tablet using Cloud connection. AERNET works as Master while every unit connected is configured as Slave (max. 6 unit); also, with a simple click is possible to save a log file with all the connected unit datas in the personal terminal for post analysis.

**PGD1:** Remote control of the chiller operating functions.

**MULTICHILLER\_EVO:** Control system for multiple parallel installed constant flow chillers providing individual chiller on/off and control capability.

**DCPX:** Device for condensation temperature control, with continuous speed modulation of fans by using a pressure transducer. **Standard in option low noise version or with desuperheater.**

**FL:** Flow Switch. **The accessory must be mounted or otherwise forfeit warranty**

**AVX:** Spring anti-vibration mounts.

### ACCESSORIES FACTORY FITTED ONLY

**DRE:** Electronic soft starter which reduces starting current.  
**RIF:** Power factor correction. Connected in parallel to the motor allowing about 10% reduction of input current).  
**KRS:** Evaporator trace heating for Shell&tube

**XLA:** The Kit, which consists of resistances for the electric power board and "J" inverter fans, allows the outdoor air temperature operating range to be extended from -10°C to -20°C.  
**GP:** Coil guards.  
**COMPATIBILITY WITH THE VMF SYSTEM:** For further system information please refer to the specific documentation.

### ACCESSORIES COMPATIBILITY

Model	vers.	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
AER485P1		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AERNET		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PGD1		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MULTICHILLER_EVO		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
DCPX	(1)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FL		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AVX	(1)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

(1) Refer to the technical documentation

#### Device for peak current reduction

Vers.	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
all	DRENRB0800	DRENRB0900	DRENRB1000	DRENRB1100	DRENRB1200	DRENRB1400	DRENRB1600	-	-	-	-	-	-	-	-	-	-

A grey background indicates the accessories assembled in the factory

#### Power factor correction

Vers.	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
°	RIF0800	RIF0900	RIF1000	RIF1100	RIF1200	RIF1400	RIF1600	RIF1800	RIF2000	RIF2200	RIF2400	RIF2600	RIF2800	RIF3000	RIF3200	RIF3400	RIF3600
L	RIF0800	RIF0900	RIF1000	RIF1100	RIF1200	RIF1400	RIF1601	RIF1800	RIF2000	RIF2200	RIF2400	RIF2600	RIF2800	RIF3000	RIF3200	RIF3400	RIF3600
A	RIF0800	RIF0900	RIF1000	RIF1100	RIF1200	RIF1400	RIF1601	RIF1800	RIF2000	RIF2200	RIF2400	RIF2600	RIF2800	RIF3000	RIF3200	RIF3400	RIF3600
E	RIF0800	RIF0900	RIF1000	RIF1101	RIF1201	RIF1401	RIF1601	RIF1800	RIF2000	RIF2200	RIF2400	RIF2600	RIF2800	RIF3000	RIF3200	RIF3400	RIF3600
U	RIF0800	RIF0900	RIF1000	RIF1101	RIF1201	RIF1401	RIF1601	RIF1800	RIF2000	RIF2200	RIF2400	RIF2600	RIF2800	RIF3000	RIF3200	RIF3400	RIF3600
N	RIF0801	RIF0901	RIF1001	RIF1101	RIF1201	RIF1401	RIF1601	RIF1800	RIF2000	RIF2200	RIF2400	RIF2600	RIF2800	RIF3000	RIF3200	RIF3400	RIF3600

A grey background indicates the accessories assembled in the factory

#### KRS: Electric heater for the heat exchanger

Vers.	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
all	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Refer to the technical documentation

A grey background indicates the accessories assembled in the factory

#### GP: Anti-intrusion grid

Vers.	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
all	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Refer to the technical documentation

A grey background indicates the accessories assembled in the factory

#### XLA: Kit for low temperature

Vers.	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
°	-	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*
L	-	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*
A	-	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*
E	-	-	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*
U	-	-	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*
N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

With the accessory XLA do not use the DCPX

A grey background indicates the accessories assembled in the factory

## CONFIGURATOR

Field	Description
<b>1,2,3</b>	<b>NRB</b>
<b>4,5,6,7</b>	<b>Sizes</b> <sup>(1)</sup> 0800-0900-1000-1100-1200-1400-1600-1800-2000-2200-2400-2600-2800-3000-3200-3400-3600
<b>8</b>	<b>Operating field</b>
°	Standard (temperature of water produced up to +4 °C) <sup>(2)</sup>
Y	Low Temperature (temperature of water produced from +4°C a -8°C) <sup>(3)</sup>
X	Electronic Thermostatic Valve (temperature of water produced up to +4 °C)
Z	Low Temperature Electronic Thermostatic Valve (temperature of water produced from +4°C a -8°C) <sup>(3)</sup>
<b>9</b>	<b>Model</b>
°	Cooling Only
C	Motor Condensing Unit <sup>(4)</sup>
<b>10</b>	<b>Heat recovery</b>
°	Without Heat Recovery
D	With Desuperheater <sup>(5)</sup>
T	With Total Recovery <sup>(6)</sup>
<b>11</b>	<b>Version</b>
°	Standard
L	Low Noise Standard
A	High Efficiency
E	Low Noise High Efficiency
U	Very High Efficiency
N	Low noise very high efficiency
<b>12</b>	<b>Coils</b>
°	Aluminium microchannel
O	Painted Aluminium Microchannel
R	Copper - copper
S	Copper - Tinned

(1) The availability of models is to be agreed with the Technical Sales

(2) Sizes from 1800=3600 standard with the electronic thermostatic valve

(3) In the versions A-E-U-N it's possible produce cooling water up to -10°C, for more information contact us

(4) The motor condensing units are not configurable with option Y/X/Z. The models with total recovery "D/T" are not configurable with Y/Z and with vers. "C"

(5) The Desuperheater is compatible with all models even in pump versions.

(6) For compatibility with Total Recovery see table below. For compatibility with the Hydronic Kit, see the table below.

Field	Description
<b>13</b>	<b>Fans</b>
°	Standard
M	Increased
J	Inverter
<b>14</b>	<b>Power supply</b>
°	400V/3/50Hz magnet circuit breakers
<b>15-16</b>	<b>Integrated hydronic kit</b>
00	Without hydronic kit
	<b>With n°1 pump:</b> <sup>(5)</sup>
PA	Pump A
PB	Pump B
PC	Pump C
PD	Pump D
PE	Pump E
PF	Pump F
PG	Pump G
PH	Pump H
PI	Pump I
PJ	Pump J
	<b>With n°2 pump:</b> <sup>(5)</sup>
DA	Pump A and Stand-by pump
DB	Pump B and Stand-by pump
DC	Pump C and Stand-by pump
DD	Pump D and Stand-by pump
DE	Pump E and Stand-by pump
DF	Pump F and Stand-by pump
DG	Pump G and Stand-by pump
DH	Pump H and Stand-by pump
DI	Pump I and Stand-by pump
DJ	Pump J and Stand-by pump

## COMPATIBLE WITH TOTAL RECOVERY

Version		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Standard	°	-	-	-	-	-	-	-	-	-	-	•	•	•	•	•	•	•
Silenced standard	L	-	-	-	-	-	-	-	-	•	•	•	•	•	•	•	•	•
High efficiency	A	-	-	-	-	-	-	-	-	•	•	•	•	•	•	•	•	•
Silenced high efficiency	E	-	-	-	-	-	-	•	•	•	•	•	•	•	•	•	•	•
Very high efficiency	U	-	-	-	-	-	-	•	•	•	•	•	•	•	•	•	•	•
Silenced very high efficiency	N	-	-	-	•	•	•	•	•	•	•	•	•	•	•	•	•	•

## COMPATIBILITY OF MODELS WITH HYDRONIC UNITS AVAILABLE WITH A CONFIGURATOR

Version		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Standard	°	-	-	-	-	-	-	-	•	•	•	•	•	•	•	•	•	•
Silenced standard	L	-	-	-	-	-	-	-	•	•	•	•	•	•	•	•	•	•
High efficiency	A	-	-	-	-	-	-	-	•	•	•	•	•	•	•	•	•	•
Silenced high efficiency	E	-	-	-	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Very high efficiency	U	-	-	-	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Silenced very high efficiency	N	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

• = it is possible to install pumping units. Standard differential pressure switch. Water filter not supplied

## PERFORMANCE SPECIFICATIONS

### NRB - °

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	
<b>Cooling performance 12 °C/7 °C (1)</b>																			
Cooling capacity	kW	221,5	244,5	270,3	299,7	353,1	404,9	439,0	511,2	560,9	598,2	675,8	721,6	786,8	830,6	880,2	945,8	998,2	
Input power	kW	73,3	83,1	94,1	110,3	117,5	135,4	155,1	175,7	194,0	216,6	236,5	256,0	270,3	292,6	314,7	329,4	355,2	
Cooling total input current	A	128	143	160	186	202	230	261	300	330	367	405	434	459	498	535	563	606	
EER	W/W	3,02	2,94	2,87	2,72	3,00	2,99	2,83	2,91	2,89	2,76	2,86	2,82	2,91	2,84	2,80	2,87	2,81	
Water flow	l/h	38117	42076	46497	51565	60733	69640	75511	87913	96469	102882	116222	124099	135304	142812	151332	162608	171610	
Pressure drops	kPa	46	55	38	45	44	39	46	40	47	53	52	58	60	36	39	46	43	

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

### NRB - L

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	
<b>Cooling performance 12 °C/7 °C (1)</b>																			
Cooling capacity	kW	216,9	237,7	272,7	307,7	343,9	391,0	438,4	498,2	555,4	608,2	666,2	727,2	770,0	834,2	886,6	952,6	1004,1	
Input power	kW	73,0	85,9	92,0	107,4	122,7	139,0	151,9	173,3	191,6	213,6	233,8	246,8	270,1	284,5	307,5	323,1	347,9	
Cooling total input current	A	123	142	154	179	203	232	251	290	319	359	390	413	449	479	513	545	585	
EER	W/W	2,97	2,77	2,97	2,87	2,80	2,81	2,89	2,87	2,90	2,85	2,85	2,95	2,85	2,93	2,88	2,95	2,89	
Water flow	l/h	37323	40890	46905	52926	59137	67243	75380	85669	95497	104585	114564	125029	132382	143407	152424	163776	172631	
Pressure drops	kPa	25	20	27	24	29	23	30	28	37	36	44	28	31	30	34	39	43	

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

### NRB - A

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	
<b>Cooling performance 12 °C/7 °C (1)</b>																			
Cooling capacity	kW	224,1	252,2	283,7	326,1	361,2	411,7	462,2	519,2	576,0	633,3	697,6	757,5	805,8	867,0	928,7	980,8	1026,8	
Input power	kW	70,6	80,9	90,2	104,7	115,3	131,8	147,6	166,3	183,5	203,1	223,3	240,5	256,5	277,0	297,0	314,4	330,3	
Cooling total input current	A	124	140	159	182	198	224	252	284	316	349	386	418	442	476	513	542	568	
EER	W/W	3,17	3,12	3,15	3,12	3,13	3,12	3,13	3,12	3,14	3,12	3,12	3,15	3,14	3,13	3,13	3,12	3,11	
Water flow	l/h	38560	43394	48801	56076	62118	70789	79487	89271	99047	108893	119965	130235	138536	149047	159671	168621	176531	
Pressure drops	kPa	27	22	30	27	32	25	34	30	39	39	48	30	34	32	38	41	45	

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

### NRB - E

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	
<b>Cooling performance 12 °C/7 °C (1)</b>																			
Cooling capacity	kW	219,2	248,3	275,0	321,4	358,7	403,2	455,0	514,5	569,0	637,2	688,3	741,1	794,3	857,9	911,7	965,1	1019,4	
Input power	kW	69,6	79,4	88,5	102,2	114,9	129,8	144,5	164,7	183,0	203,4	221,4	236,5	255,5	274,7	290,6	310,5	327,8	
Cooling total input current	A	119	135	149	172	193	216	240	275	306	343	373	397	426	460	488	521	549	
EER	W/W	3,15	3,13	3,11	3,15	3,12	3,11	3,15	3,12	3,11	3,13	3,11	3,13	3,11	3,12	3,14	3,11	3,11	
Water flow	l/h	37709	42725	47302	55271	61679	69338	78240	88465	97840	109549	118323	127416	136570	147496	156743	165934	175268	
Pressure drops	kPa	19	23	20	27	21	27	26	33	33	22	25	30	34	33	38	41	46	

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

### NRB - U

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	
<b>Cooling performance 12 °C/7 °C (1)</b>																			
Cooling capacity	kW	227,6	257,6	286,5	329,6	369,8	414,7	466,9	529,2	594,0	655,1	716,9	765,5	815,3	879,0	940,9	999,7	1049,5	
Input power	kW	68,8	77,7	86,8	99,5	111,7	126,1	140,9	159,5	179,0	197,8	215,3	229,4	248,9	265,7	282,3	302,5	319,5	
Cooling total input current	A	124	138	153	176	196	218	244	278	312	348	377	401	432	463	494	528	556	
EER	W/W	3,31	3,31	3,30	3,31	3,31	3,29	3,31	3,32	3,32	3,31	3,33	3,34	3,28	3,31	3,33	3,30	3,28	
Water flow	l/h	39150	44308	49293	56689	63595	71301	80285	91002	102137	112618	123250	131615	140178	151126	161768	171875	180442	
Pressure drops	kPa	20	25	21	29	23	28	27	35	36	23	27	32	36	35	40	44	49	

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

### NRB - N

Size		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	
<b>Cooling performance 12 °C/7 °C (1)</b>																			
Cooling capacity	kW	227,7	260,4	284,7	327,7	367,7	412,3	466,1	521,6	579,1	645,7	702,6	749,4	804,7	866,4	926,7	973,5	1029,9	
Input power	kW	68,5	78,9	86,4	98,5	111,9	125,4	140,4	157,8	176,0	194,6	212,9	229,0	246,7	263,5	282,7	301,1	319,3	
Cooling total input current	A	118	135	147	167	189	209	234	264	295	329	360	385	412	442	475	506	536	
EER	W/W	3,32	3,30	3,30	3,33	3,29	3,29	3,32	3,31	3,29	3,32	3,30	3,27	3,26	3,29	3,28	3,23	3,23	
Water flow	l/h	39166	44791	48971	56365	63233	70905	80150	89691	99568	111008	120788	128848	138355	148960	159327	167376	177077	
Pressure drops	kPa	20	25	21	28	23	28	27	34	34	23	26	30	35	34	39	42	47	

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

## ENERGY DATA

Size	Version	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600			
<b>Cooling capacity with low leaving water temp (UE n° 2016/2281)</b>																					
SEER	°	W/W	4,09	4,00	3,98	3,89	4,22	4,25	4,13	4,12	4,11	4,14	4,14	4,23	4,16	4,13	4,19	4,12	4,12		
	L	W/W	4,13	3,94	4,15	4,12	4,15	4,15	4,27	4,17	4,14	4,12	4,12	4,28	4,14	4,19	4,18	4,18	4,16	4,16	
	A	W/W	4,28	4,17	4,27	4,28	4,36	4,37	4,43	4,30	4,25	4,20	4,26	4,37	4,29	4,27	4,27	4,22	4,20	4,20	
	E	W/W	4,30	4,20	4,26	4,35	4,40	4,35	4,51	4,33	4,23	4,30	4,31	4,38	4,28	4,30	4,34	4,25	4,28	4,28	
	U	W/W	4,35	4,35	4,38	4,47	4,51	4,50	4,58	4,51	4,42	4,42	4,47	4,56	4,36	4,40	4,47	4,35	4,36	4,36	
	N	W/W	4,44	4,38	4,44	4,55	4,54	4,56	4,65	4,54	4,43	4,47	4,49	4,49	4,40	4,44	4,43	4,33	4,35	4,35	4,35
η <sub>sc</sub>	°	%	160,5	156,9	156,0	152,7	165,7	167,1	162,0	161,9	163,7	161,2	162,5	162,7	166,0	163,2	162,1	164,7	161,8	161,8	
	L	%	4,13	3,94	4,15	4,12	4,15	4,15	4,27	4,17	4,14	4,12	4,12	4,28	4,14	4,19	4,18	4,18	4,16	4,16	4,16
	A	%	168,3	163,6	167,6	168,3	171,5	165,9	174,0	168,8	167,0	165,1	167,4	171,6	168,7	167,8	167,9	165,9	164,9	164,9	164,9
	E	%	168,8	165,0	167,4	170,9	173,1	167,0	177,2	170,0	166,2	168,9	169,5	172,2	168,0	168,8	170,4	167,0	168,2	168,2	168,2
	U	%	171,0	170,8	172,1	175,8	177,5	171,0	180,1	177,2	173,7	173,6	175,9	179,2	171,5	173,0	175,6	171,0	171,4	171,4	171,4
	N	%	174,6	172,2	174,4	178,8	178,6	170,1	182,9	178,4	174,0	175,9	176,4	176,7	172,9	174,4	174,3	170,1	170,9	170,9	170,9

## ELECTRIC DATA

Size	Version	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600		
<b>Electric data<sup>(1)</sup></b>																				
Maximum current (FLA)	°	A	164	181	197	226	262	291	320	367	408	449	497	529	569	610	650	698	739	
	L	A	177	193	222	252	281	310	352	393	446	487	547	592	625	666	720	761	802	802
	A	A	177	193	222	252	281	310	352	393	446	487	547	592	625	666	720	761	802	802
	E	A	190	206	222	265	294	323	365	424	465	519	560	605	638	692	745	786	827	827
	U	A	190	206	222	265	294	323	365	424	465	519	560	605	638	692	745	786	827	827
	N	A	203	219	235	277	307	336	383	437	478	531	572	618	651	704	758	799	840	840
Peak current (LRA)	°	A	353	408	424	477	513	625	654	637	678	719	766	799	838	879	920	967	1008	
	L	A	366	421	450	503	532	644	686	662	716	757	816	862	895	936	989	1030	1071	1071
	A	A	366	421	450	503	532	644	686	662	716	757	816	862	895	936	989	1030	1071	1071
	E	A	378	434	450	515	545	657	699	693	734	788	829	874	907	961	1015	1056	1096	1096
	U	A	378	434	450	515	545	657	699	693	734	788	829	874	907	961	1015	1056	1096	1096
	N	A	391	446	463	528	557	670	717	706	747	801	842	887	920	974	1027	1068	1109	1109

(1) Unit standard configuration without hydronic kit

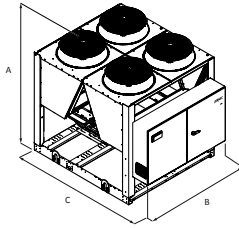
## GENERAL TECHNICAL DATA

Size	Version	0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	
<b>Compressor</b>																			
Compressor	Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Compressor / Circuit	n°	4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2	5/2	6/2	6/2	6/2	6/2	6/2	6/2
Refrigerant	Type	R410A																	
<b>System side heat exchanger</b>																			
Heat exchanger	Type	Shell&Tube																	
Heat exchanger	n°	1																	
Hydraulic connections (in/out)	Ø	Please refer to technical documentation																	
<b>Fans</b>																			
Fans	Type	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial
Fans	°	n°	4	4	4	4	6	6	6	8	8*	8*	10*	10*	12*	12*	12*	14*	14*
Air flow rate	°	m³/h	64000	64000	64000	64000	96000	96000	96000	128000	128000	128000	160000	160000	192000	192000	192000	224000	224000
Fans	L	n°	4	4	6	6	6	6	8	8	10	10	12	14	14	14	16	16	16
Air flow rate	L	m³/h	46000	46000	69000	69000	69000	92000	92000	115000	115000	138000	161000	161000	161000	184000	184000	208000	208000
Fans	A	n°	4	4	6	6	6	6	8	8	10	10	12	14	14	14	16	16	16
Air flow rate	A	m³/h	64000	64000	96000	96000	96000	128000	128000	160000	160000	192000	224000	224000	224000	256000	256000	288000	288000
Fans	E	n°	6	6	6	8	8	8	10	12	12	14	14	16	16	18	20	20	20
Air flow rate	E	m³/h	69000	69000	69000	92000	92000	92000	115000	138000	138000	161000	161000	184000	184000	207000	230000	230000	230000
Fans	U	n°	6	6	6	8	8	8	10	12	12	14	14	16	16	18	20	20	20
Air flow rate	U	m³/h	96000	96000	96000	128000	128000	128000	160000	192000	192000	224000	224000	256000	256000	288000	320000	320000	320000
Fans	N	n°	8	8	8	10	10	10	12	14	14	16	16	18	18	20	22	22	22
Air flow rate	N	m³/h	92000	92000	92000	115000	115000	115000	138000	161000	161000	184000	184000	207000	207000	230000	253000	253000	253000
<b>Sound data<sup>(1)</sup></b>																			
Sound power level	°	dB(A)	88	88	88	88	90	90	90	92	92	93	95	95	96	96	96	96	96
	L	dB(A)	83	83	85	85	85	86	86	88	89	90	90	91	91	92	92	93	93
	A	dB(A)	88	88	90	90	90	90	91	92	94	94	96	96	96	97	97	97	97
	E	dB(A)	85	85	85	86	86	86	88	89	89	91	91	92	92	93	93	93	93
	U	dB(A)	90	90	90	91	91	91	93	94	95	96	96	97	97	98	98	98	98
	N	dB(A)	86	86	86	88	88	88	88	90	90	91	92	93	93	93	94	94	94

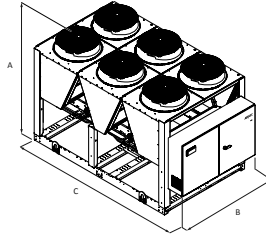
(1) Sound power calculated on the basis of measurements made in accordance with UNI EN ISO 9614-2, as required for Eurovent certification.

## DIMENSIONS

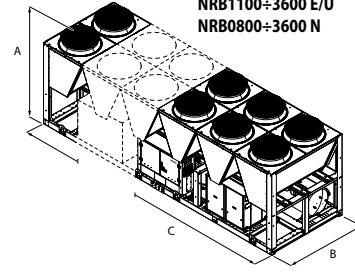
NRB0800÷1100 °  
NRB0800÷0900 L/A



NRB1200÷1600 °  
NRB1000÷1400 L/A  
NRB0800÷1000 E/U



NRB1800÷3600 °  
NRB1600÷3600 L/A  
NRB1100÷3600 E/U  
NRB0800÷3600 N



Size	Version		0800	0900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
<b>Dimensions</b>																			
A	all	mm	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450
B	all	mm	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
	°	mm	2780	2780	2780	2780	3970	3970	3970	4760	4760	4760	5950	5950	7140	7140	7140	8330	8330
	L	mm	2780	2780	3970	3970	3970	3970	4760	4760	5950	5950	7140	8330	8330	8330	9520	9520	9520
C	A	mm	2780	2780	3970	3970	3970	3970	4760	4760	5950	5950	7140	8330	8330	8330	9520	9520	9520
	E	mm	3970	3970	3970	4760	4760	4760	5950	7140	7140	8330	8330	9520	9520	10710	11900	11900	11900
	U	mm	3970	3970	3970	4760	4760	4760	5950	7140	7140	8330	8330	9520	9520	10710	11900	11900	11900
	N	mm	4760	4760	4760	5950	5950	5950	7140	8330	8330	9520	9520	10710	10710	11900	13090	13090	13090

Aermec reserves the right to make all modification deemed necessary for improving the product at any time with any modification of technical data.

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