

# NRB 0282-0754

Air-water chiller

Cooling capacity 56 ÷ 202 kW

- High seasonal efficiency
- Night mode
- Low refrigerant charge
- Compact dimensions



## DESCRIPTION

Air-cooled outdoor chiller designed to meet air conditioning needs in residential/commercial complexes or industrial applications.

The base, the structure and the panels are made of galvanized steel treated with polyester paint RAL 9003.

## VERSIONS

- ° Standard
- A High efficiency
- E Silenced high efficiency
- L Standard silenced
- N Silenced very high efficiency
- U Very high efficiency

## FEATURES

### Operating field

Operation at full load up to 51°C external air temperature. Unit can produce chilled water (up to -10°C of water produced in some versions).

### Dual-circuit unit

The units according to the size are mono or dual-circuit, to ensure maximum efficiency both at full load and at partial load.

### New condensing coils

**The whole range uses copper - aluminium condensation coils with reduced diameter rows, allowing a lower quantity of gas to be used compared to traditional coils.**

### Electronic expansion valve

The possibility to use electronic expansion valve, available to configurator, offers significant benefits, especially when the chiller is working with partial loads, increasing the energy efficiency of the unit.

### Integrated hydronic kit

Integrated hydronic kit containing the main hydraulic components; available with various configurations with one or two pumps, with high or low head and storage tank, to obtain a solution that allows you to save money and to facilitate installation.

## CONTROL

Microprocessor adjustment, with keyboard and LCD display, for easy access on the unit is a menu available in several languages.

- The presence of a programmable timer allows functioning time periods and a possible second set-point to be set.
- The temperature control takes place with the integral proportional logic, based on the water output temperature.
- **Floating HP control:** available for all models with inverter fans or with DCPX. Allows, with continuous fan modulation, to optimize the operation of the unit in any operating point, ensuring an increase in the energy efficiency at partial load.
- **Night mode:** only in the **non-silenced versions with the fan to be, inverter or phase-cut or with the DCPX accessory**, a silenced operation profile can be set, which is useful, for example, at night for greater acoustic comfort, but always ensures performance even at peak load hours.

## ACCESSORIES

**AER485P1:** RS-485 interface for supervising systems with MODBUS protocol. 1 accessory is provided for each unit control board.

**AERBACP:** Ethernet communication interface for Bacnet/IP, Modbus TCP/IP, SNMP protocols. 1 accessory is provided for each unit control board.

**AERLINK:** Aerlink is a WiFi gateway with an RS485 serial port that allows a wide range of Aermec products (heat pumps/chillers/system controllers) equipped with this interface to connect easily and securely to a WiFi network. It works both as an access point (AP access point) and as a client (WiFi Station), it can be connected to a single generator or system centraliser, allowing anyone to easily integrate them into any network. Thanks to the AerApp and AerPlants apps, which can be used on Android and iOS platforms, the remote management of the air conditioning systems developed by Aermec becomes intuitive and simple.

**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 control boards). Also, with a simple click is possible to save a log file with all the connected unit data in the personal terminal for post analysis.

**MULTICHILLER-EVO:** Control, switch-on and switch-off system of the single chillers where multiple units are installed in parallel (max. no. 9), always ensuring constant flow rate to the evaporators.

**PGD1:** Allows you to control the unit at a distance.

**SGD:** Electronic expansion that enables connecting to the photovoltaic system and heat pumps to accumulate heat in the DHW tank or in the heating system during the photovoltaic production phase and release it at times when heating demand is highest.

**PR4:** Remote panel with LCD display and touch keyboard that allows carrying out the basic controls, the programming of time ranges and the signalling of the alarms of a single unit.

**DCPX:** Device for condensation temperature control, with continuous speed modulation of fans by using a pressure transducer.

### ACCESSORIES COMPATIBILITY

Model	Ver	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754
AER485P1	°,A															
	E,L,N	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	U															
AERBACP	°,A															
	E,L,N	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	U															
AERLINK	°,A															
	E,L,N	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	U															
AERNET	°,A															
	E,L,N	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	U															
MULTICHILLER-EVO	°,A															
	E,L,N	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	U															
PGD1	°,A															
	E,L,N	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	U															
SGD	°,A															
	E,L,N	.	.	.	.											
	U															

### Remote panel

Model	Ver	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754
PR4	°,A															
	E,L,N	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	U															

The accessory PR4 should only be combined with the RS485 communication interface when the serial port is occupied by another device.

### Condensation control temperature

Ver	0282	0302	0332	0352	0502	0552	0602	0604
<b>Fans: M</b>								
°,A	-	-	-	-	DCPX142	DCPX142	DCPX142	DCPX142
E,L	DCPX141	DCPX141	DCPX141	DCPX141	As standard	As standard	As standard	As standard
N	DCPX141	DCPX141	DCPX141	As standard				
U	-	-	-	DCPX142	DCPX142	DCPX142	DCPX143	DCPX143
<b>Fans: °</b>								
E,L	DCPX140	DCPX140	DCPX140	DCPX140	-	-	-	-
N	DCPX140	DCPX140	DCPX140	-	-	-	-	-
Ver	0652	0654	0682	0702	0704	0752	0754	
<b>Fans: M</b>								
°	DCPX142	DCPX142	DCPX143	DCPX143	DCPX143	DCPX143	DCPX143	DCPX143
A	DCPX142	DCPX143						
E,L,N	As standard							
U	DCPX143							

### Antivibration

Ver	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754
<b>Integrated hydronic kit: 00, I1, I2, I3, I4, P1, P2, P3, P4</b>															
°	-	-	-	-	VT11	VT11	VT11	VT11	VT11	VT11	VT22	VT22	VT22	VT22	VT22
A	-	-	-	-	VT11	VT11	VT11	VT11	VT11	VT11	VT22	VT22	VT22	VT22	VT22
E	VT17	VT17	VT17	VT17	VT11	VT11	VT11	VT11	VT11	VT11	VT22	VT22	VT22	VT22	VT22
L	VT17	VT17	VT17	VT17	VT11	VT11	VT11	VT11	VT11	VT11	VT22	VT22	VT22	VT22	VT22
N	VT17	VT17	VT17	VT11	VT11	VT11	VT22	VT22	VT22	VT22	VT23	VT23	VT23	VT23	VT23

**GP:** Anti-intrusion grid.

**VT:** Anti-vibration supports.

### FACTORY FITTED ACCESSORIES

**DRE:** Electronic device for peak current reduction.

**RIF:** Power factor correction. Connected in parallel to the motor allowing about 10% reduction of input current.

**T6:** Double safety valve with exchange cock, both on the high and low pressure branches.

**C-TOUCH:** 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.

### COMPATIBILITY WITH VMF SYSTEM

For more information about VMF system, refer to the dedicated documentation.

Ver	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754
U	-	-	-	VT11	VT11	VT11	VT22	VT22	VT22	VT22	VT22	VT23	VT23	VT23	VT23
<b>Integrated hydronic kit: 01, 02, 03, 04, 05, 06, 07, 08, 09, K1, K2, K3, K4</b>															
°	-	-	-	-	VT11	VT11	VT11	VT11	VT11	VT11	VT22	VT22	VT22	VT22	VT22
A	-	-	-	-	VT11	VT11	VT11	VT11	VT11	VT11	VT22	VT22	VT22	VT22	VT22
E	VT13	VT13	VT13	VT13	VT11	VT11	VT11	VT11	VT11	VT11	VT22	VT22	VT22	VT22	VT22
L	VT13	VT13	VT13	VT13	VT11	VT11	VT11	VT11	VT11	VT11	VT22	VT22	VT22	VT22	VT22
N	VT13	VT13	VT13	VT11	VT11	VT11	VT22	VT22	VT22	VT22	VT22	VT23	VT23	VT23	VT23
U	-	-	-	VT11	VT11	VT11	VT22	VT22	VT22	VT22	VT22	VT23	VT23	VT23	VT23

#### Anti-intrusion grid

Ver	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754
°	-	-	-	-	GP2 x 2 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)					
A	-	-	-	-	GP2 x 2 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)				
E	GP3	GP4	GP4	GP4	GP2 x 2 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)				
L	GP3	GP3	GP4	GP4	GP2 x 2 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)	GP2 x 3 (1)				
N	GP4	GP4	GP4	GP2 x 2 (1)	GP2 x 2 (1)	GP2 x 2 (1)	GP2 x 3 (1)	GP14 x 4 (1)							
U	-	-	-	GP2 x 2 (1)	GP2 x 2 (1)	GP2 x 2 (1)	GP2 x 3 (1)	GP14 x 4 (1)							

(1) x \_ indicates the quantity to buy

The accessory cannot be fitted on the configurations indicated with -

#### Power factor correction

Ver	0282	0302	0332	0352	0502	0552	0602	0604
°, A	-	-	-	-	RIF0502	RIF0552	RIF0602	RIF0604
E, L, N	RIF0282	RIF0302	RIF0332	RIF0352	RIF0502	RIF0552	RIF0602	RIF0604
U	-	-	-	RIF0352	RIF0502	RIF0552	RIF0602	RIF0604

The accessory cannot be fitted on the configurations indicated with -

A grey background indicates the accessory must be assembled in the factory

A grey background indicates the accessory must be assembled in the factory

#### Device for peak current reduction

Ver	0282	0302	0332	0352	0502	0552	0602	0604
°, A	-	-	-	-	DRENRB502 (1)	DRENRB552 (1)	DRENRB602 (1)	DRENRB604 (1)
E, L, N	DRENRB282 (1)	DRENRB302 (1)	DRENRB332 (1)	DRENRB352 (1)	DRENRB502 (1)	DRENRB552 (1)	DRENRB602 (1)	DRENRB604 (1)
U	-	-	-	DRENRB352 (1)	DRENRB502 (1)	DRENRB552 (1)	DRENRB602 (1)	DRENRB604 (1)

(1) Only for supplies of 400V 3N ~ 50Hz and 400V 3 ~ 50Hz. x 2 or x 3 (if present) indicates the quantity to be ordered.

The accessory cannot be fitted on the configurations indicated with -

A grey background indicates the accessory must be assembled in the factory

Ver	0652	0654	0682	0702	0704	0752	0754
°, A, E, L, N, U	DRENRB652 (1)	DRENRB654 (1)	DRENRB682 (1)	DRENRB702 (1)	DRENRB704 (1)	DRENRB752 (1)	DRENRB754 (1)

(1) Only for supplies of 400V 3N ~ 50Hz and 400V 3 ~ 50Hz. x 2 or x 3 (if present) indicates the quantity to be ordered.

A grey background indicates the accessory must be assembled in the factory

#### Double safety valves

Ver	0282	0302	0332	0352	0502	0552	0602	0604
°, A	-	-	-	T6NRB8	T6NRB8	T6NRB8	T6NRB11	T6NRB8
E, L	T6NRB6	T6NRB6	T6NRB6	T6NRB6	T6NRB8	T6NRB8	T6NRB11	T6NRB8
N	T6NRB6	T6NRB6	T6NRB6	T6NRB8	T6NRB8	T6NRB8	T6NRB11	T6NRB8
U	-	-	-	T6NRB8	T6NRB8	T6NRB8	T6NRB11	T6NRB8

The accessory cannot be fitted on the configurations indicated with -

A grey background indicates the accessory must be assembled in the factory

#### Touch screen keyboard

Ver	0282	0302	0332	0352	0502	0552	0602	0604
°, A, E, L, N, U	C-TOUCH							

A grey background indicates the accessory must be assembled in the factory

## CONFIGURATOR

Field	Description
1,2,3	<b>NRB</b>
	<b>Size</b>
4,5,6,7	0282, 0302, 0332, 0352, 0502, 0552, 0602, 0604, 0652, 0654, 0682, 0702, 0704, 0752, 0754
8	<b>Operating field</b>
X	Electronic thermostatic expansion valve (1)
Y	Double mechanical thermostat for low temperature (2)
Z	Low temperature electronic thermostatic valve (3)
	◦ Standard mechanic thermostatic valve (1)
9	<b>Model</b>
C	Motocondensing unit
	◦ Cooling only
10	<b>Heat recovery</b>
D	With desuperheater (4)
T	With total recovery (4)
	◦ Without heat recovery
11	<b>Version</b>
	◦ Standard
A	High efficiency
E	Silenced high efficiency
L	Standard silenced
N	Silenced very high efficiency
U	Very high efficiency
12	<b>Coils</b>
R	Copper pipes-copper fins
S	Copper pipes-Tinned copper fins
V	Copper pipe-Coated aluminium fins
	◦ Copper-aluminium
13	<b>Fans</b>
J	Inverter
M	Oversized (5)
	◦ Standard (6)
14	<b>Power supply</b>
	◦ 400V ~ 3N 50Hz with magnet circuit breakers
15,16	<b>Integrated hydronic kit</b>
	<b>Without hydronic kit</b>
00	Without hydronic kit
	<b>Kit with storage tank and pump/s</b>
01	Storage tank with low head pump

Field	Description
02	Storage tank with low head pump + stand-by pump
03	Storage tank with high head pump
04	Storage tank with high head pump + stand-by pump
	<b>Kit with pump/s and storage tank with holes for heaters</b>
05	Storage tank with holes for heaters and single low head pump (7)
06	Storage tank with holes for heaters and pump low head + stand-by pump (7)
07	Storage tank with holes for heaters and single high head pump (7)
08	Storage tank with holes for heaters and pump high head + stand-by pump (7)
	<b>Double loop</b>
09	Double loop
	<b>Kit with pump/s</b>
P1	Single pump low head
P2	Pump low head + stand-by pump
P3	Single pump high head
P4	Pump high head + stand-by pump
	<b>Kit with inverter pump/s to fixed speed</b>
I1	Single low head pump + fixed speed inverter
I2	Single low head pump with fixed speed inverter + stand-by pump
I3	Single high head pump + fixed speed inverter
I4	Single high head pump with fixed speed inverter + stand-by pump
	<b>Kit with storage tank and inverter pump/s to fixed speed</b>
K1	Single low head pump + storage tank + fixed speed inverter
K2	Storage tank and low head pump with fixed speed inverter + stand-by pump
K3	Single high head pump + storage tank + fixed speed inverter
K4	Storage tank and low head pump with fixed speed inverter + stand-by pump
	<b>Kit with storage tank and variable speed inverter pump/s</b>
W1	Single low head pump + Storage tank + variable speed inverter (8)
W2	Double low head pump + Storage tank + variable speed inverter (8)
W3	Single high head pump + Storage tank + variable speed inverter (8)
W4	Double high head pump + Storage tank + variable speed inverter (8)

(1) Water produced from 4 °C ÷ 18 °C

(2) Water produced from -10 °C ÷ 18 °C

(3) Water produced from 4 °C ÷ 18 °C for ° version; -10 °C for the others versions

(4) For "VT" - "ZT" - "YD" and "ZD" recovery versions, contact the headquarters; Warning: on the recovery side, a minimum input temperature of 35°C must always be guaranteed on the heat exchanger. For more information about the unit operating range, refer to the Magellano selection program

(5) As standard in sizes from 0502 to 0754 version ° - A - E - L, in sizes from 0352 to 0754 version N - U

(6) As standard in sizes from 0282 to 0352 versions E - L and in size from 0282 to 0332 version N

(7) Storage tanks with holes for supplementary heaters (not provided) are sent from the factory with plastic protection caps. Before loading the system, if the installation of one or all resistances is not expected, all plastic caps must be replaced with the special caps, commonly commercially available.

(8) Options Y and Z are not compatible with W1/W2/W3/W4

## PERFORMANCE SPECIFICATIONS

**Included units with 'o' fans.**

NRB - L

Size	0282	0302	0332	0352	
<b>Fans:</b> °					
<b>Cooling performance 12 °C / 7 °C(1)</b>					
Cooling capacity	kW	56,5	64,3	73,9	85,5
Input power	kW	19,8	22,2	24,8	29,6
Cooling total input current	A	35,0	41,0	46,0	54,0
EER	W/W	2,85	2,90	2,98	2,89
Water flow rate system side	l/h	9734	11090	12722	14734
Pressure drop system side	kPa	37	48	39	52

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

NRB - E

Size		0282	0302	0332	0352
<b>Fans:</b> °					
<b>Cooling performance 12 °C / 7 °C(1)</b>					
Cooling capacity	kW	60,6	68,4	77,0	89,2
Input power	kW	18,6	21,1	23,8	28,3
Cooling total input current	A	32,0	36,0	41,0	46,0
EER	W/W	3,26	3,24	3,23	3,16
Water flow rate system side	l/h	10429	11774	13258	15372
Pressure drop system side	kPa	26	33	30	40

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

NRB - N

Size		0282	0302	0332
<b>Fans:</b> °				
Cooling performance 12 °C / 7 °C(1)				
Cooling capacity	kW	60,8	69,0	76,9
Input power	kW	17,8	20,5	22,9
Cooling total input current	A	33,0	39,0	44,0
EER	W/W	3,42	3,37	3,36
Water flow rate system side	l/h	10460	11884	13249
Pressure drop system side	kPa	27	25	31

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

## Included units with 'M' fans.

**NRB - °**

Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754	
<b>Fans: M</b>																
<b>Cooling performance 12 °C / 7 °C(1)</b>																
Cooling capacity	kW	-	-	-	-	98,4	107,0	125,9	125,5	135,1	141,0	159,7	178,9	170,7	195,7	193,5
Input power	kW	-	-	-	-	33,2	37,5	41,6	45,6	47,4	52,2	54,8	60,8	58,3	71,8	67,2
Cooling total input current	A	-	-	-	-	59,0	65,0	71,0	80,0	81,0	92,0	93,0	102,0	104,0	117,0	117,0
EER	W/W	-	-	-	-	2,96	2,85	3,03	2,75	2,85	2,70	2,92	2,95	2,93	2,73	2,88
Water flow rate system side	l/h	-	-	-	-	16941	18444	21694	21620	23270	24282	27502	30805	29385	33700	33309
Pressure drop system side	kPa	-	-	-	-	39	46	42	50	49	48	52	66	71	78	65

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

NRB - L

Size	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754	
<b>Fans: M</b>												
<b>Cooling performance 12 °C / 7 °C(1)</b>												
Cooling capacity	kW	96,3	104,5	122,6	121,5	131,1	134,8	156,1	174,3	166,4	189,9	187,4
Input power	kW	34,0	38,6	42,9	47,6	49,2	55,0	56,0	62,5	60,0	74,7	69,5
Cooling total input current	A	59,0	65,0	72,0	82,0	82,0	95,0	93,0	102,0	105,0	119,0	119,0
EER	W/W	2,83	2,71	2,86	2,55	2,67	2,45	2,79	2,79	2,78	2,54	2,70
Water flow rate system side	l/h	16583	18007	21114	20937	22592	23230	26870	30010	28645	32685	32255
Pressure drop system side	kPa	37	43	40	46	45	44	50	62	66	73	61

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

**NRB - A**

Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754	
<b>Fans: M</b>																
<b>Cooling performance 12°C / 7°C(1)</b>																
Cooling capacity	kW	-	-	-	-	103,9	114,8	130,1	129,7	140,0	150,2	167,9	186,9	176,8	207,6	198,8
Input power	kW	-	-	-	-	31,4	35,4	40,3	43,5	45,0	47,6	51,9	59,2	56,6	69,6	63,8
Cooling total input current	A	-	-	-	-	55,0	59,0	68,0	73,0	74,0	77,0	86,0	94,0	98,0	103,0	107,0
EER	W/W	-	-	-	-	3,31	3,24	3,23	2,98	3,11	3,16	3,24	3,16	3,12	2,98	3,11
Water flow rate system side	l/h	-	-	-	-	17889	19764	22404	22344	24116	25867	28897	32172	30430	35736	34210
Pressure drop system side	kPa	-	-	-	-	30	36	35	42	40	57	46	56	55	60	58

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

**NRB - E**

Size	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754	
<b>Fans: M</b>												
<b>Cooling performance 12°C / 7°C(1)</b>												
Cooling capacity	kW	100,4	110,5	123,9	122,2	132,4	144,8	161,4	178,0	168,2	195,9	187,7
Input power	kW	32,5	36,9	42,7	46,6	48,2	49,4	54,0	62,6	59,7	74,7	68,0
Cooling total input current	A	54,0	59,0	69,0	75,0	77,0	77,0	86,0	95,0	100,0	107,0	110,0
EER	W/W	3,09	3,00	2,90	2,62	2,75	2,93	2,99	2,84	2,82	2,62	2,76
Water flow rate system side	l/h	17275	19020	21329	21052	22807	24939	27779	30648	28950	33719	32307
Pressure drop system side	kPa	27	33	32	36	36	52	42	51	49	53	52

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

**NRB - U**

Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754	
<b>Fans: M</b>																
<b>Cooling performance 12°C / 7°C(1)</b>																
Cooling capacity	kW	-	-	-	92,7	104,5	117,2	132,1	137,9	146,8	152,9	171,6	191,4	180,5	209,6	202,9
Input power	kW	-	-	-	27,1	30,8	34,5	38,8	41,3	44,2	45,5	50,7	59,3	56,2	67,2	63,1
Cooling total input current	A	-	-	-	51,0	56,0	61,0	68,0	76,0	76,0	86,0	88,0	101,0	104,0	116,0	115,0
EER	W/W	-	-	-	3,42	3,39	3,40	3,40	3,34	3,32	3,36	3,39	3,23	3,21	3,12	3,21
Water flow rate system side	l/h	-	-	-	15945	17984	20172	22745	23741	25275	26327	29532	32945	31067	36076	34915
Pressure drop system side	kPa	-	-	-	24	30	29	38	34	36	42	41	51	48	61	56

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

**NRB - N**

Size	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754	
<b>Fans: M</b>													
<b>Cooling performance 12°C / 7°C(1)</b>													
Cooling capacity	kW	89,7	100,8	112,4	128,6	133,5	142,2	147,1	164,5	185,1	174,5	201,1	195,1
Input power	kW	27,8	31,9	36,1	39,4	42,4	45,3	47,2	52,9	60,9	57,5	70,2	65,3
Cooling total input current	A	50,0	55,0	62,0	66,0	74,0	75,0	85,0	88,0	100,0	102,0	116,0	114,0
EER	W/W	3,23	3,16	3,12	3,26	3,15	3,14	3,11	3,11	3,04	3,03	2,87	2,99
Water flow rate system side	l/h	15444	17352	19347	22150	22978	24481	25334	28325	31856	30031	34611	33586
Pressure drop system side	kPa	22	28	27	36	32	34	39	38	48	45	56	52

(1) Data EN 14511:2022; Heat exchanger water (services side) 12°C / 7°C; outside air 35°C

**ENERGY INDICES (REG. 2016/2281 EU)**

Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754		
<b>Fans: J</b>																	
<b>SEER - 12/7 (EN14825: 2018) (1)</b>																	
SEER	°	W/W	-	-	-	-	4,34	4,23	4,39	4,12	4,26	4,11	4,28	4,26	4,13	4,24	4,12
SEER	A	W/W	-	-	-	-	4,48	4,48	4,59	4,20	4,48	4,13	4,49	4,40	4,34	4,44	4,16
SEER	E	W/W	4,59	4,69	4,60	4,52	4,48	4,46	4,53	4,16	4,34	4,18	4,51	4,32	4,13	4,33	4,11
SEER	L	W/W	4,38	4,37	4,46	4,35	4,36	4,24	4,38	4,11	4,18	4,12	4,32	4,23	4,13	4,19	4,11
SEER	N	W/W	4,79	4,84	4,73	4,81	4,68	4,76	4,84	4,53	4,72	4,39	4,77	4,60	4,35	4,56	4,31
SEER	U	W/W	-	-	-	4,74	4,71	4,82	4,65	4,33	4,66	4,31	4,76	4,53	4,22	4,52	4,29
<b>Seasonal efficiency</b>																	
SEER	°	%	-	-	-	-	170,60	166,20	172,60	161,80	167,30	161,40	168,20	167,40	162,20	166,60	161,80
SEER	A	%	-	-	-	-	176,20	176,20	180,60	165,00	176,20	162,20	176,60	173,00	170,60	174,60	163,40
SEER	E	%	180,60	184,60	181,00	177,80	176,20	175,40	178,20	163,40	170,60	164,20	177,40	169,80	162,20	170,20	161,40
SEER	L	%	172,20	171,80	175,40	171,00	171,40	166,60	172,20	161,40	164,20	161,80	169,80	166,20	162,20	164,60	161,40
SEER	N	%	188,60	190,60	186,20	189,40	184,20	187,40	190,60	178,20	185,80	172,60	187,80	181,00	171,00	179,40	169,40
SEER	U	%	-	-	-	186,80	185,40	189,80	183,00	170,20	183,40	169,40	187,40	178,20	165,80	177,80	168,60
<b>SEER - 23/18 (EN14825: 2018) (2)</b>																	
SEER	°	W/W	-	-	-	-	5,31	5,07	5,29	4,89	5,04	4,93	5,13	5,12	5,01	4,99	4,95
SEER	A	W/W	-	-	-	-	5,55	5,42	5,54	5,06	5,36	5,11	5,43	5,23	5,30	5,24	5,03
SEER	E	W/W	5,50	5,62	5,55	5,58	5,47	5,41	5,37	4,88	5,10	5,05	5,37	5,06	4,9		

Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754
Seasonal efficiency	°	%	-	-	-	-	209,30	199,60	208,40	192,70	198,50	194,20	202,20	201,60	197,50
	A	%	-	-	-	-	219,00	213,90	218,60	199,50	211,30	201,30	214,10	206,30	208,80
	E	%	216,80	221,60	218,80	220,00	215,70	213,30	211,80	192,00	200,80	199,10	211,60	199,30	194,00
	L	%	203,80	205,90	210,60	205,60	207,70	197,10	201,70	189,40	192,70	189,70	202,00	193,60	193,20
	N	%	227,00	229,80	226,30	233,30	225,80	224,10	232,30	216,40	223,70	208,50	225,30	215,30	207,60
	U	%	-	-	-	233,80	231,40	231,10	225,80	209,60	224,00	209,00	228,70	214,90	205,70
<b>SEPR - (EN 14825: 2018) (2)</b>															
SEPR	°	W/W	-	-	-	-	5,79	5,61	5,74	5,62	5,66	5,57	5,59	5,84	5,94
	A	W/W	-	-	-	-	6,10	5,97	6,00	5,73	5,97	5,74	5,92	5,79	5,89
	E	W/W	6,46	6,42	6,13	6,36	5,98	5,95	5,79	5,41	5,72	5,68	5,83	5,67	5,69
	L	W/W	6,15	6,00	5,97	6,07	5,79	5,65	5,61	5,31	5,55	5,28	5,58	5,60	5,77
	N	W/W	6,71	6,53	6,23	6,54	6,22	6,21	6,16	6,12	6,14	5,93	6,09	5,97	6,08
	U	W/W	-	-	-	6,43	6,30	6,31	6,01	6,15	6,09	5,88	6,19	5,88	6,05

(1) Calculation performed with FIXED water flow rate and VARIABLE outlet temperature.

(2) Calculation performed with FIXED water flow rate.

Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754
<b>Fans: M</b>															
SEER	SEER - 12/7 (EN14825: 2018) (1)	°	W/W	-	-	-	-	4,23	4,13	4,29	- (2)	4,16	- (2)	4,18	4,16
	A	W/W	-	-	-	-	4,37	4,37	4,48	- (2)	4,37	- (2)	4,38	4,29	- (2)
	E	W/W	4,48	4,58	4,49	4,42	4,37	4,35	4,42	- (2)	4,24	- (2)	4,40	4,21	- (2)
	L	W/W	4,28	4,27	4,35	4,27	4,25	4,14	4,27	- (2)	4,11	- (2)	4,22	4,13	- (2)
	N	W/W	4,68	4,72	4,62	4,69	4,56	4,65	4,72	4,42	4,61	4,28	4,65	4,49	4,24
	U	W/W	-	-	-	4,62	4,59	4,71	4,54	4,22	4,54	4,20	4,64	4,42	4,11
Seasonal efficiency	SEER - 12/7 (EN14825: 2018) (2)	°	%	-	-	-	-	166,20	162,20	168,40	- (2)	163,40	- (2)	164,10	163,40
	A	%	-	-	-	-	171,90	171,60	176,10	- (2)	171,70	- (2)	172,20	168,70	- (2)
	E	%	176,20	180,20	176,40	173,60	171,70	171,00	173,80	- (2)	166,50	- (2)	172,80	165,50	- (2)
	L	%	168,10	167,80	171,10	167,00	167,00	162,50	167,80	- (2)	161,20	- (2)	165,70	162,10	- (2)
	N	%	184,00	185,70	181,70	184,70	179,50	182,90	185,90	173,70	181,20	168,20	182,90	176,40	166,70
	U	%	-	-	-	181,70	180,60	185,20	178,50	165,60	178,70	165,10	182,50	173,80	161,40
<b>SEER - 23/18 (EN14825: 2018) (3)</b>															
SEER	SEER - 23/18 (EN14825: 2018) (1)	°	W/W	-	-	-	-	5,17	4,95	5,16	4,77	4,95	4,80	5,01	4,99
	A	W/W	-	-	-	-	5,42	5,28	5,40	4,91	5,22	4,94	5,29	5,10	4,95
	E	W/W	5,36	5,48	5,40	5,44	5,33	5,27	5,24	4,68	4,97	4,93	5,23	4,93	4,81
	L	W/W	5,05	5,10	5,21	5,09	5,13	4,88	4,99	4,65	4,77	4,52	5,00	4,79	4,78
	N	W/W	5,61	5,67	5,59	5,76	5,58	5,54	5,74	5,35	5,53	5,12	5,56	5,32	5,13
	U	W/W	-	-	-	5,77	5,71	5,58	5,18	5,53	5,17	5,64	5,32	5,08	5,07
Seasonal efficiency	SEER - 23/18 (EN14825: 2018) (2)	°	%	-	-	-	-	203,90	194,80	203,30	187,70	195,10	189,00	197,30	196,70
	A	%	-	-	-	-	213,60	208,30	213,10	193,50	205,80	194,60	208,70	201,10	194,90
	E	%	211,40	216,30	213,10	214,70	210,20	207,90	206,50	184,00	195,90	194,00	206,10	194,20	189,20
	L	%	199,00	201,10	205,30	200,70	202,30	192,30	196,60	183,10	187,90	177,60	197,10	188,70	188,10
	N	%	221,40	223,80	220,60	227,50	220,00	218,70	226,60	210,90	218,20	203,00	219,50	209,70	202,20
	U	%	-	-	-	227,60	225,50	225,40	220,30	204,00	218,30	203,60	222,70	209,60	200,00
<b>SEPR - (EN 14825: 2018) (3)</b>															
SEPR	SEPR - 12/7 (EN14825: 2018) (1)	°	W/W	-	-	-	-	5,79	5,61	5,74	5,62	5,66	5,57	5,59	5,84
	A	W/W	-	-	-	-	6,10	5,97	6,00	5,73	5,97	5,74	5,92	5,79	5,89
	E	W/W	6,46	6,42	6,13	6,36	5,98	5,95	5,79	5,41	5,72	5,68	5,83	5,67	5,69
	L	W/W	6,15	6,00	5,97	6,07	5,79	5,65	5,61	5,31	5,55	5,28	5,58	5,60	5,77
	N	W/W	6,71	6,53	6,23	6,54	6,22	6,12	6,16	6,12	6,14	5,93	6,09	5,97	6,08
	U	W/W	-	-	-	6,43	6,30	6,31	6,01	6,15	6,09	5,88	6,19	5,88	6,05

(1) Calculation performed with FIXED water flow rate and VARIABLE outlet temperature.

(2) Non-compliant with 2016/281 EU regulation for comfort applications 12°C / 7°C

(3) Calculation performed with FIXED water flow rate.

Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754
<b>Fans: °</b>															
SEER	SEER - 12/7 (EN14825: 2018) (1)	°A,U	W/W	-	-	-	-	-	-	-	-	-	-	-	-
	E	W/W	4,48	4,58	4,49	4,42	-	-	-	-	-	-	-	-	-
	L	W/W	4,28	4,27	4,35	4,25	-	-	-	-	-	-	-	-	-
	N	W/W	4,68	4,72	4,62	-	-	-	-	-	-	-	-	-	-
	°A,U	%	-	-	-	-	-	-	-	-	-	-	-	-	-
	E	%	176,20	180,20	176,40	173,60	-	-	-	-	-	-	-	-	-
Seasonal efficiency	SEER - 12/7 (EN14825: 2018) (2)	°A,U	%	-	-	-	-	-	-	-	-	-	-	-	-
	L	%	168,10	167,80	171,10	167,00	-	-	-	-	-	-	-	-	-
	N	%	184,00	185,70	181,70	-	-	-	-	-	-	-	-	-	-
	SEER - 23/18 (EN14825: 2018) (2)	°A,U	W/W	-	-	-	-	-	-	-	-	-	-	-	-
	E	W/W	5,36	5,48	5,40	5,44	-	-	-	-	-	-	-	-	-
	L	W/W	5,05	5,10	5,21	5,09	-	-	-	-	-	-	-	-	-
SEPR	SEPR - 12/7 (EN14825: 2018) (1)	°A,U	W/W	-	-	-	-	-	-	-	-	-	-	-	-
	E	W/W	5,36	5,48	5,40	5,44	-	-	-	-	-	-	-	-	-
	L	W/W	5,05	5,10	5,21	5,09	-	-	-	-	-	-	-	-	-
	N	W/W	5,61	5,67	5,59	-	-	-	-	-	-	-	-	-	-
	SEPR - 12/7 (EN14825: 2018) (2)	°A,U	W/W	-	-	-	-	-	-	-	-	-	-	-	-
	E	W/W	5,36	5,48	5,40	5,44	-	-	-	-	-	-	-	-	-

(1) Calculation performed with FIXED water flow rate and VARIABLE outlet temperature.

(2) Calculation performed with FIXED water flow rate.

Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754
	°A,U	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal efficiency	E	%	211,40	216,30	213,10	214,70	-	-	-	-	-	-	-	-	-
	L	%	199,00	201,10	205,30	200,70	-	-	-	-	-	-	-	-	-
	N	%	221,40	223,80	220,60	-	-	-	-	-	-	-	-	-	-
SEPR - (EN 14825: 2018) (2)	°A,U	W/W	-	-	-	-	-	-	-	-	-	-	-	-	-
SEPR	E	W/W	6,46	6,42	6,13	6,36	-	-	-	-	-	-	-	-	-
	L	W/W	6,15	6,00	5,97	6,07	-	-	-	-	-	-	-	-	-
	N	W/W	6,71	6,53	6,23	-	-	-	-	-	-	-	-	-	-

(1) Calculation performed with FIXED water flow rate and VARIABLE outlet temperature.

(2) Calculation performed with FIXED water flow rate.

## ELECTRIC DATA

Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754		
<b>Electric data</b>																	
	°	A	-	-	-	-	72,2	77,1	86,0	98,2	94,9	111,3	112,7	127,3	131,4	144,0	141,2
	A	A	-	-	-	-	72,2	77,1	86,0	98,2	94,9	114,5	112,7	127,3	131,4	144,0	141,2
Maximum current (FLA)	E	A	42,6	49,2	56,9	65,3	72,2	77,1	86,0	98,2	94,9	114,5	112,7	127,3	131,4	144,0	141,2
	L	A	41,5	49,2	55,8	65,3	72,2	77,1	86,0	98,2	94,9	111,3	112,7	127,3	131,4	144,0	141,2
	N	A	42,6	50,3	56,9	67,3	72,2	77,1	89,2	101,3	98,1	114,5	112,7	130,5	134,6	147,2	144,4
	U	A	-	-	-	67,3	72,2	77,1	89,2	101,3	98,1	114,5	112,7	130,5	134,6	147,2	144,4
<b>Peak current (LRA)</b>																	
	°	A	-	-	-	-	277,6	282,5	329,2	211,9	338,1	225,1	363,8	378,4	274,9	476,4	346,6
	A	A	-	-	-	-	277,6	282,5	329,2	211,9	338,1	228,3	363,8	378,4	274,9	476,4	346,6
	E	A	148,0	163,0	170,6	208,9	277,6	282,5	329,2	211,9	338,1	228,3	363,8	378,4	274,9	476,4	346,6
	L	A	146,9	163,0	169,5	208,9	277,6	282,5	329,2	211,9	338,1	225,1	363,8	378,4	274,9	476,4	346,6
	N	A	148,0	164,1	170,6	210,8	277,6	282,5	332,4	215,1	341,3	228,3	363,8	381,6	278,1	479,6	349,8
	U	A	-	-	-	210,8	277,6	282,5	332,4	215,1	341,3	228,3	363,8	381,6	278,1	479,6	349,8

## GENERAL TECHNICAL DATA

Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754
<b>Compressor</b>															
Type	°A,E,L,N,U	type							Scroll						
Number	°A	no.	-	-	-	-	2	2	2	4	2	4	2	2	4
	E,L,N	no.	2	2	2	2	2	2	2	4	2	4	2	2	4
	U	no.	-	-	-	2	2	2	2	4	2	4	2	2	4
Circuits	°A	no.	-	-	-	-	1	1	1	2	1	2	1	2	1
	E,L,N	no.	1	1	1	1	1	1	1	2	1	2	1	2	1
	U	no.	-	-	-	1	1	1	1	2	1	2	1	2	1
Refrigerant	°A,E,L,N,U	type							R410A						
<b>System side heat exchanger</b>															
Type	°A,E,L,N,U	type							Brazed plate						
Number	°A	no.	-	-	-	-	1	1	1	1	1	1	1	1	1
	E,L,N	no.	1	1	1	1	1	1	1	1	1	1	1	1	1
	U	no.	-	-	-	1	1	1	1	1	1	1	1	1	1
<b>Hydraulic connections</b>															
Sizes (in/out)	°A	Ø	-	-	-	-	2"1/2	2"1/2	2"1/2	2"1/2	2"1/2	2"1/2	2"1/2	2"1/2	2"1/2
	E,L,N	Ø							2"1/2						
	U	Ø	-	-	-	-	2"1/2	2"1/2	2"1/2	2"1/2	2"1/2	2"1/2	2"1/2	2"1/2	2"1/2

G.s. = Grooved joints

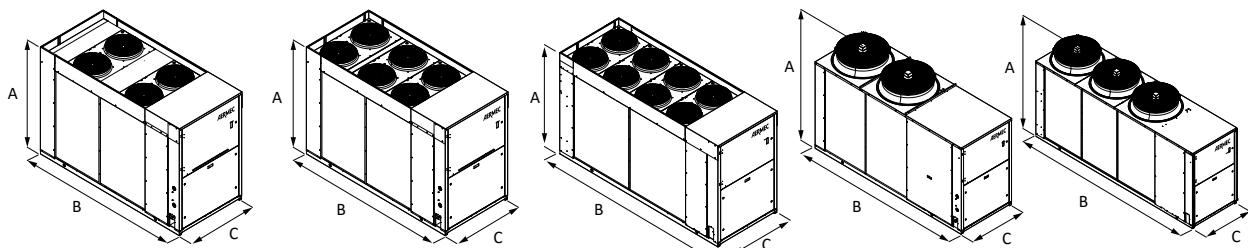
## Fans

Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754	
<b>Fan</b>																
Type	°A,E,L,N,U	type	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	
Number	°	no.	-	-	-	-	2	2	2	3	3	3	2	2	3	
	A	no.	-	-	-	-	2	2	2	3	3	3	2	3	3	
	E	no.	6	6	8	8	2	2	2	3	3	3	2	3	3	
	L	no.	4	6	6	8	2	2	2	3	3	3	2	2	3	
	N	no.	6	8	8	2	2	2	3	3	3	4	4	3	4	
	U	no.	-	-	-	2	2	2	3	3	3	4	4	3	4	
Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754	
<b>Fans: °</b>																
<b>Fan</b>																
Fan motor	°A,U	type	Asynchronous													
	E,L,N	type	Asynchronous with phase cut													
Air flow rate	°A,U	m³/h	-	-	-	-	-	-	-	-	-	-	-	-	-	
	E	m³/h	20700	22200	27500	24800	-	-	-	-	-	-	-	-	-	
	L	m³/h	15200	20700	22200	27500	-	-	-	-	-	-	-	-	-	
	N	m³/h	22200	27500	24800	-	-	-	-	-	-	-	-	-	-	
<b>Sound data calculated in cooling mode (1)</b>																
Sound power level	°A,U	dB(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	
	E	dB(A)	72,4	72,9	73,7	73,9	-	-	-	-	-	-	-	-	-	
	L	dB(A)	71,8	72,9	73,3	73,9	-	-	-	-	-	-	-	-	-	
	N	dB(A)	72,4	73,3	73,7	-	-	-	-	-	-	-	-	-	-	
(1) Sound power: calculated on the basis of measurements made in accordance with UNI EN ISO 9614-2, as required for Eurovent certification. Sound pressure measured in free field (in compliance with UNI EN ISO 3744).																
Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754	
<b>Fans: M</b>																
<b>Increased fan</b>																
Fan motor	°A,U	type	Asynchronous													
	E,L,N	type	Asynchronous with phase cut													
<b>With static pressure</b>																
Air flow rate	°	m³/h	-	-	-	-	36600	36600	35100	35100	35100	33700	55200	53100	53100	
	A	m³/h	-	-	-	-	35100	35100	33800	33800	33700	53100	53100	51100	51100	
	E	m³/h	20700	22200	27500	24800	26800	26800	25600	25600	25600	40500	40500	38800	38800	
	L	m³/h	15200	20700	22200	27500	30900	30900	29500	29500	46500	44600	29500	28300	44600	
	N	m³/h	22200	27500	24800	26800	25600	25600	40500	40500	38800	38800	54600	54600	54600	
	U	m³/h	-	-	-	35100	33700	53100	53100	53100	51100	51100	71200	71200	71200	
High static pressure	°A,U	Pa	-	-	-	-	50	50	50	50	50	50	50	50	50	
	E,L	Pa	80	80	80	80	50	50	50	50	50	50	50	50	50	
	N	Pa	80	80	80	50	50	50	50	50	50	50	50	50	50	
	°	dB(A)	-	-	-	-	84,5	85,0	85,3	84,2	85,5	84,3	86,9	87,0	85,9	
Sound power level	A	dB(A)	-	-	-	-	84,5	85,0	85,3	84,2	85,5	85,9	86,9	87,0	85,9	
	E	dB(A)	72,4	72,9	73,7	73,9	80,7	81,5	82,1	76,1	82,5	77,2	83,6	83,8	77,4	
	L	dB(A)	71,8	72,9	73,3	73,9	80,7	81,5	82,1	76,1	82,5	76,5	83,6	83,8	77,4	
	N	dB(A)	72,4	73,3	73,7	79,7	80,7	81,5	83,0	76,9	83,4	77,2	83,6	84,5	77,9	
<b>Without Static pressure</b>																
Air flow rate	°	m³/h	-	-	-	-	42300	42300	40400	40400	40400	38700	63700	61000	61000	
	A	m³/h	-	-	-	-	40400	40400	38600	38600	38600	61000	61000	58500	58500	
	E	m³/h	-	-	-	-	26800	26800	25600	25600	25600	40500	40500	38800	38800	
	L	m³/h	-	-	-	-	30900	30900	29500	29500	28300	46500	44600	44600	44600	
	N	m³/h	-	-	-	26800	25600	40500	40500	38800	38800	54600	54600	54600	54600	
	U	m³/h	-	-	-	45700	44000	44000	69000	69000	66500	69000	66500	66500	66500	
High static pressure	°,A,E,L	Pa	-	-	-	-	0	0	0	0	0	0	0	0	0	
	N,U	Pa	-	-	-	0	0	0	0	0	0	0	0	0	0	
	°	dB(A)	-	-	-	86,6	86,8	87,0	86,0	87,1	86,0	88,2	88,3	87,7	88,6	
	A	dB(A)	-	-	-	86,6	86,8	87,0	86,0	87,1	87,7	88,2	88,3	87,7	88,6	
Sound power level	E	dB(A)	-	-	-	80,7	81,5	82,1	76,1	82,5	77,2	83,6	83,8	77,4	85,0	
	L	dB(A)	-	-	-	80,7	81,5	82,1	76,1	82,5	76,5	83,6	83,8	77,4	85,0	
	N	dB(A)	-	-	-	79,7	80,7	81,5	83,0	76,9	83,4	77,2	83,6	84,5	77,9	
	U	dB(A)	-	-	-	86,4	86,6	86,8	88,5	87,7	88,6	87,7	88,2	89,3	89,6	

Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754
<b>Fans: J</b>															
<b>Inverter fan</b>															
Fan motor °,A,E,L,N,U type Inverter															
° m³/h - - - - 36600 36600 35100 35100 35100 33700 55200 53100 53100 53100 53100															
A m³/h - - - - 35100 35100 33800 33800 33700 53100 53100 51100 51100 51100 51100 51100															
Air flow rate E m³/h 20700 22200 27500 24800 26800 26800 25600 25600 25600 40500 40500 38800 38800 38800 38800															
L m³/h 15200 20700 22200 27500 30900 29500 29500 29500 28300 46500 44600 44600 44600 44600 44600															
N m³/h 22200 27500 24800 26800 25600 40500 40500 38800 38800 54600 54600 54600 54600 54600 54600															
U m³/h - - - - 35100 33700 53100 53100 51100 71200 71200 53100 51100 71200 71200															
High static pressure °,A Pa - - - - 120 120 120 120 120 120 120 120 120 120 120															
E,L Pa 20 20 20 20 120 120 120 120 120 120 120 120 120 120 120															
N Pa 20 20 20 120 120 120 120 120 120 120 120 120 120 120 120 120															
U Pa - - - - 120 120 120 120 120 120 120 120 120 120 120 120															
<b>Sound data calculated in cooling mode (1)</b>															
° dB(A) - - - - 84,5 85,0 85,3 85,5 86,9 87,0 87,7 84,2 84,3 85,9 87,5															
A dB(A) - - - - 84,5 85,0 85,3 85,5 86,9 87,0 87,7 84,2 85,9 85,9 87,5															
Sound power level E dB(A) 72,4 72,9 73,7 73,9 80,7 81,5 82,1 82,5 83,6 83,8 85,0 76,1 77,2 77,4 83,0															
L dB(A) 71,8 72,9 73,3 73,9 80,7 81,5 82,1 82,5 83,6 83,8 85,0 76,1 76,5 77,4 83,5															
N dB(A) 72,4 73,3 73,7 79,7 80,7 81,5 83,0 83,4 83,6 84,5 85,5 76,9 77,2 77,9 83,3															
U dB(A) - - - - 84,0 84,5 85,0 86,6 86,8 86,9 87,9 88,5 85,8 85,9 87,0 88,5															

(1) Sound power: calculated on the basis of measurements made in accordance with UNI EN ISO 9614-2, as required for Eurovent certification. Sound pressure measured in free field (in compliance with UNI EN ISO 3744).

## DIMENSIONS



Size	0282	0302	0332	0352	0502	0552	0602	0604	0652	0654	0682	0702	0704	0752	0754
<b>Dimensions and weights</b>															
A °,A mm - - - - 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898															
E,L mm 1680 1680 1680 1680 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898															
N mm 1680 1680 1680 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898															
U mm - - - - 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898															
B °,A mm - - - - 3200 3200 3200 3200 3200 3200 3200 3200 3200 3200 4010 4010 4010 4010															
A mm - - - - 3200 3200 3200 3200 3200 3200 3200 3200 3200 3200 4010 4010 4010 4010															
E mm 2450 2950 2950 2950 3200 3200 3200 3200 3200 3200 4010 4010 4010 4010 4010															
L mm 2450 2450 2950 2950 3200 3200 3200 3200 3200 3200 4010 4010 4010 4010 4010															
N mm 2950 2950 2950 3200 3200 3200 4010 4010 4010 4010 5200 5200 5200 5200 5200															
U mm - - - - 3200 3200 3200 4010 4010 4010 4010 4010 5200 5200 5200 5200 5200															
C °,A mm - - - - 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100															
E,L,N mm 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100															
U mm - - - - 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100															
<b>Weights</b>															
Without hydronic kit ° kg - - - - 993 1018 1075 1160 1075 1210 1267 1427 1331 1440 1392															
A kg - - - - 1046 1072 1116 1200 1116 1325 1347 1507 1531 1200 1325 1410 1531 1471															
E kg 828 889 912 962 1046 1072 1116 1116 1347 1507 1531 1200 1325 1410 1531 1471															
L kg 810 828 894 907 993 1018 1075 1160 1075 1210 1267 1427 1331 1440 1392															
N kg 884 907 957 1020 1076 1109 1232 1243 1426 1647 1660 1327 1415 1549 1607															
U kg - - - - 1020 1076 1109 1232 1243 1426 1647 1660 1327 1415 1549 1607															

Aermec reserves the right to make any modifications deemed necessary.  
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