

ANL 021-202

Air-water chiller

Cooling capacity 5,7 ÷ 43,3 kW

- Standard version
- Version with Integrated hydronic kit system side



DESCRIPTION

Chillers for external installation for chilled water production with scroll compressors, axial fans, external copper coils with aluminum fins from size 020 to 090, microchannel from size 102 to 202. The base, the structure and the panels are made of steel treated with polyester paint RAL 9003.

VERSIONS

- ° Standard
- A With storage tank and pump
- N With increased pump
- P With pump
- Q With storage tank and increased pump

FEATURES

Operating field

Operation at full load up to 46°C external air temperature. Unit can produce chilled water up to -10°C.

Version with Integrated hydronic kit

Integrated hydronic kit containing the main hydraulic components; available with various configurations to obtain a solution that allows you to facilitate installation.

Hot water production

In the configuration with desuperheater, it is also possible to produce free-hot water.

MODUCONTROL CONTROL

The command panel of the unit allows the rapid setting of the working parameters of the machine, and their visualisation. The display consists of 4 figures and various LEDs for indicating the type of operational mode, the visualisation of the parameters set and of any alarms triggered. The card stores all the default settings and any modifications.

ACCESSORIES

MODU-485BL: RS-485 interface for supervision systems with MODBUS protocol.

MULTICONTROL: Allows the simultaneous control of several units (up to 4), fitted with our MODUCONTROL controller, installed in the same hydraulic system.

PR3: Simplified remote panel. This makes it possible to carry out the unit's basic controls with the signalling of alarms. Can be made remote with shielded cable up to 150 m.

SPLW: System water temperature sensor. In most cases the loose supplied sensors for each chiller/heat pump are sufficient. In cases of a common flow/return header this sensor can be used to control the common system supply water temperature for the chillers connected to the header, or it can be used for temperature monitoring

VMF-CRP: To predict accessory for the management of the probes SPLW / SDHW if provided with the MULTICONTROL

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

VT: Antivibration supports

FACTORY FITTED ACCESSORIES

DRE: Electronic device for peak current reduction.

RA: Anti-freeze electric heater for the buffer tank.

KR: Anti-freeze electric heater for the plate heat exchanger.

COMPATIBILITY WITH VMF SYSTEM

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

ACCESSORIES COMPATIBILITY

Accessories

Model	Ver	021	026	031	041	050	070	080	090	102	152	202
MODU-485BL	°A,P	*	*	*	*	*	*	*	*	*	*	*
	N									*	*	*
	Q					*	*	*	*	*	*	*
MULTICONTROL	°A,P	*	*	*	*	*	*	*	*	*	*	*
	N									*	*	*
	Q					*	*	*	*	*	*	*
PR3	°A,P	*	*	*	*	*	*	*	*	*	*	*
	N									*	*	*
	Q					*	*	*	*	*	*	*
SPLW (1)	°A,P	*	*	*	*	*	*	*	*	*	*	*
	N									*	*	*
	Q					*	*	*	*	*	*	*
VMF-CRP	°A,P	*	*	*	*	*	*	*	*	*	*	*
	N									*	*	*
	Q					*	*	*	*	*	*	*

(1) MULTICONTROL mandatory probe to enable secondary circuit management.

DCPX: Condensation control temperature

Ver	021	026	031	041	050	070	080	090	102	152	202
°A,P	DCPX50	DCPX50	DCPX50	DCPX50	DCPX50	DCPX50	DCPX50	DCPX50	DCPX52	DCPX52	DCPX52
N	-	-	-	-	-	-	-	-	DCPX52	DCPX52	DCPX52
Q	-	-	-	-	DCPX50	DCPX50	DCPX50	DCPX50	DCPX52	DCPX52	DCPX52

VT: Antivibration

Ver	021	026	031	041	050	070	080	090	102	152	202
°P	VT9	VT9	VT9	VT9	VT9	VT9	VT9	VT9	VT15	VT15	VT15
A	VT9	VT9	VT9	VT9	VT15	VT15	VT15	VT15	VT15	VT15	VT15
N	-	-	-	-	-	-	-	-	VT15	VT15	VT15
Q	-	-	-	-	VT15	VT15	VT15	VT15	VT15	VT15	VT15

DRE: Device for peak current reduction

Ver	021	026	031	041	050	070	080	090	102	152	202
Power supply: °											
°A,P,Q	-	-	-	-	DRES (1)	DRES (1)	DRES (1)	DRES (1)	DRES x 2 (1)	DRES x 2 (1)	DRES x 2 (1)
N	-	-	-	-	-	-	-	-	DRES x 2 (1)	DRES x 2 (1)	DRES x 2 (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

KR: electric heater for the plate heat exchanger

Ver	021	026	031	041	050	070	080	090	102	152	202
°P	KR2	KR2	KR2	KR2	KR2	KR2	KR2	KR2	KR100	KR100	KR100
A,Q	-	-	-	-	KR2	KR2	KR2	KR2	KR100	KR100	KR100
N	-	-	-	-	-	-	-	-	KR100	KR100	KR100

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

RA: electric heater for the buffer tank

Ver	021	026	031	041	050	070	080	090	102	152	202
A	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA
Q	-	-	-	-	RA100	RA100	RA100	RA100	RA100	RA100	RA100

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

CONFIGURATOR

Field	Description
1,2,3	ANL
4,5,6	Size 021, 026, 031, 041, 050, 070, 080, 090, 102, 152, 202
7	Model
°	Cooling only
8	Version
°	Standard
A	With storage tank and pump
N	With increased pump (1)
P	With pump
Q	With storage tank and increased pump (2)
9	Heat recovery
°	Without heat recovery
D	With desuperheater (3)
10	Coils
°	Rame - allumunio
R	Copper-copper
S	Copper-Tinned copper
V	Copper-painted alumimium
11	Operating field
°	Standard mechanic thermostatic valve (4)
Y	Low temperature mechanic thermostatic valve (5)
Z	Low temperatures mechanic thermostatic valve (6)
12	Evaporator
°	Standard
13	Power supply
°	400V 3N ~ 50Hz (7)
M	230V ~ 50Hz (8)

(1) Only for ANL 102 ÷ 202 sizes

(2) Only for ANL 050 ÷ 202 sizes

(3) The temperature of the water in the heat exchanger inlet must never drop below 35°C. The desuperheater is only available in sizes from 050 to 090 in the version with storage tank "A", and from size 102 to 202 in all versions.

(4) Water produced up to +4 °C

(5) Water produced from 0 °C up to -10 °C

(6) Water produced from +4 °C up to +0 °C

(7) For all sizes

(8) Only for ANL 021 ÷ 041 sizes

PERFORMANCE SPECIFICATIONS

ANL - ° (400V 3N ~ 50Hz / 230V ~ 50Hz)

Size		021	026	031	041	050	070	080	090	102	152	202
400V 3N ~ 50Hz												
Cooling performance 12 °C/7 °C(1)												
Cooling capacity	kW	5,7	6,2	7,5	9,6	13,4	16,4	20,4	22,2	26,5	32,9	42,8
Input power	kW	1,9	2,0	2,5	3,3	4,1	4,9	6,4	6,8	8,0	10,2	13,5
Cooling total input current	A	4,0	4,0	5,0	6,0	9,0	10,0	12,0	13,0	16,0	19,0	25,0
EER	W/W	3,03	3,04	2,99	2,90	3,26	3,33	3,18	3,28	3,32	3,21	3,18
Water flow rate system side	l/h	979	1065	1288	1649	2302	2834	3522	3831	4570	5669	7387
Pressure drop system side	kPa	21	21	22	24	30	30	36	50	58	61	68
230V ~ 50Hz												
Cooling performance 12 °C/7 °C(1)												
Cooling capacity	kW	5,7	6,2	7,5	9,6	-	-	-	-	-	-	-
Input power	kW	1,9	2,0	2,5	3,3	-	-	-	-	-	-	-
Cooling total input current	A	6,0	7,0	8,0	11,0	-	-	-	-	-	-	-
EER	W/W	3,03	3,04	2,99	2,90	-	-	-	-	-	-	-
Water flow rate system side	l/h	979	1065	1288	1649	-	-	-	-	-	-	-
Pressure drop system side	kPa	21	21	22	24	-	-	-	-	-	-	-

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

ANL - P (400V 3N ~ 50Hz / 230V ~ 50Hz)

Size		021	026	031	041	050	070	080	090	102	152	202
400V 3N ~ 50Hz												
Cooling performance 12 °C/7 °C(1)												
Cooling capacity	kW	5,7	6,2	7,6	9,7	13,5	16,6	20,6	22,4	26,8	33,2	43,2
Input power	kW	1,8	2,0	2,5	3,2	4,1	4,9	6,4	6,7	8,1	10,5	13,8
Cooling total input current	A	4,0	5,0	5,0	7,0	10,0	11,0	13,0	14,0	17,0	21,0	27,0
EER	W/W	3,11	3,12	3,07	2,97	3,31	3,38	3,23	3,35	3,32	3,15	3,13
Water flow rate system side	l/h	979	1065	1288	1649	2302	2834	3522	3831	4570	5669	7387
Useful head system side	kPa	73	73	71	65	76	72	57	52	84	115	91
230V ~ 50Hz												
Cooling performance 12 °C/7 °C(1)												
Cooling capacity	kW	5,7	6,2	7,6	9,7	-	-	-	-	-	-	-
Input power	kW	1,8	2,0	2,5	3,2	-	-	-	-	-	-	-
Cooling total input current	A	7,0	8,0	9,0	12,0	-	-	-	-	-	-	-
EER	W/W	3,11	3,12	3,07	2,97	-	-	-	-	-	-	-
Water flow rate system side	l/h	979	1065	1288	1649	-	-	-	-	-	-	-
Useful head system side	kPa	73	73	71	65	-	-	-	-	-	-	-

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

ANL - N (400V 3N ~ 50Hz)

Size		021	026	031	041	050	070	080	090	102	152	202
Cooling performance 12 °C/7 °C(1)												
Cooling capacity	kW	-	-	-	-	-	-	-	-	26,8	33,3	43,3
Input power	kW	-	-	-	-	-	-	-	-	8,5	10,6	13,8
Cooling total input current	A	-	-	-	-	-	-	-	-	18,0	21,0	27,0
EER	W/W	-	-	-	-	-	-	-	-	3,17	3,15	3,13
Water flow rate system side	l/h	-	-	-	-	-	-	-	-	4570	5669	7387
Useful head system side	kPa	-	-	-	-	-	-	-	-	140	185	159

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

ANL - A (400V 3N ~ 50Hz / 230V ~ 50Hz)

Size		021	026	031	041	050	070	080	090	102	152	202
400V 3N ~ 50Hz												
Cooling performance 12 °C/7 °C(1)												
Cooling capacity	kW	5,7	6,2	7,6	9,7	13,5	16,6	20,6	22,4	26,8	33,2	43,2
Input power	kW	1,8	2,0	2,5	3,2	4,1	4,9	6,4	6,7	8,1	10,5	13,8
Cooling total input current	A	4,0	5,0	5,0	7,0	10,0	11,0	13,0	14,0	17,0	21,0	27,0
EER	W/W	3,11	3,12	3,07	2,97	3,31	3,38	3,23	3,35	3,32	3,15	3,13
Water flow rate system side	l/h	979	1065	1288	1649	2302	2834	3522	3831	4570	5669	7387
Useful head system side	kPa	73	73	71	65	76	72	57	52	84	115	91
230V ~ 50Hz												
Cooling performance 12 °C/7 °C(1)												
Cooling capacity	kW	5,7	6,2	7,6	9,7	-	-	-	-	-	-	-
Input power	kW	1,8	2,0	2,5	3,2	-	-	-	-	-	-	-
Cooling total input current	A	7,0	8,0	9,0	12,0	-	-	-	-	-	-	-
EER	W/W	3,11	3,12	3,07	2,97	-	-	-	-	-	-	-
Water flow rate system side	l/h	979	1065	1288	1649	-	-	-	-	-	-	-
Useful head system side	kPa	73	73	71	65	-	-	-	-	-	-	-

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

ANL - Q (400V 3N ~ 50Hz)

Size		021	026	031	041	050	070	080	090	102	152	202
Cooling performance 12 °C/7 °C(1)												
Cooling capacity	kW	-	-	-	-	13,6	16,7	20,7	22,5	26,8	33,3	43,3
Input power	kW	-	-	-	-	4,2	5,0	6,5	6,8	8,5	10,6	13,8
Cooling total input current	A	-	-	-	-	10,0	11,0	13,0	14,0	18,0	21,0	27,0
EER	W/W	-	-	-	-	3,24	3,33	3,19	3,31	3,17	3,15	3,13
Water flow rate system side	l/h	-	-	-	-	2302	2834	3522	3831	4570	5669	7387
Useful head system side	kPa	-	-	-	-	160	159	144	140	140	185	159

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

ENERGY DATA

Size		021	026	031	041	050	070	080	090	102	152	202	
Cooling capacity with low leaving water temp (UE n° 2016/2281)													
SEER	°	W/W	3,81	3,80	3,84	3,81	3,83	3,96	3,84	3,92	3,92	3,90	3,94
	A,P	W/W	4,03	4,06	4,01	3,97	4,02	4,08	4,03	4,08	3,93	3,81	3,82
	N	W/W	-	-	-	-	-	-	-	-	3,81	3,81	3,82
	Q	W/W	-	-	-	-	3,81	4,01	3,93	4,02	3,81	3,81	3,82
ηsc	°	%	149,30	149,00	150,40	149,20	150,20	155,50	150,40	153,60	153,80	152,90	154,70
	A,P	%	158,20	159,30	157,30	155,60	157,70	160,10	158,20	160,10	154,00	149,20	149,90
	N	%	-	-	-	-	-	-	-	-	149,20	149,20	149,80
	Q	%	-	-	-	-	149,20	157,30	154,10	157,60	149,20	149,20	149,80

ELECTRICAL DATA

Electric data

Size		021	026	031	041	050	070	080	090	102	152	202	
400V 3N ~ 50Hz													
Electric data													
Maximum current (FLA)	°	A	5,0	6,0	6,0	9,0	11,0	14,0	16,0	17,0	22,0	26,0	32,0
	A,P	A	6,0	7,0	7,0	10,0	13,0	15,0	18,0	19,0	23,0	28,0	34,0
	N	A	-	-	-	-	-	-	-	-	24,0	28,0	34,0
	Q	A	-	-	-	-	12,0	14,0	17,0	18,0	24,0	28,0	34,0
Peak current (LRA)	°	A	28,0	38,0	39,0	44,0	65,0	75,0	102,0	96,0	76,0	87,0	117,0
	A,P	A	29,0	39,0	40,0	45,0	67,0	77,0	104,0	98,0	77,0	89,0	119,0
	N	A	-	-	-	-	-	-	-	-	78,0	89,0	119,0
	Q	A	-	-	-	-	66,0	76,0	103,0	97,0	78,0	89,0	119,0
230V ~ 50Hz													
Electric data													
Maximum current (FLA)	°	A	13,0	16,0	18,0	22,0	-	-	-	-	-	-	-
	A,P	A	14,0	17,0	19,0	23,0	-	-	-	-	-	-	-
	N,Q	A	-	-	-	-	-	-	-	-	-	-	-
Peak current (LRA)	°	A	64,0	68,0	69,0	100,0	-	-	-	-	-	-	-
	A,P	A	62,0	69,0	70,0	101,0	-	-	-	-	-	-	-
	N,Q	A	-	-	-	-	-	-	-	-	-	-	-

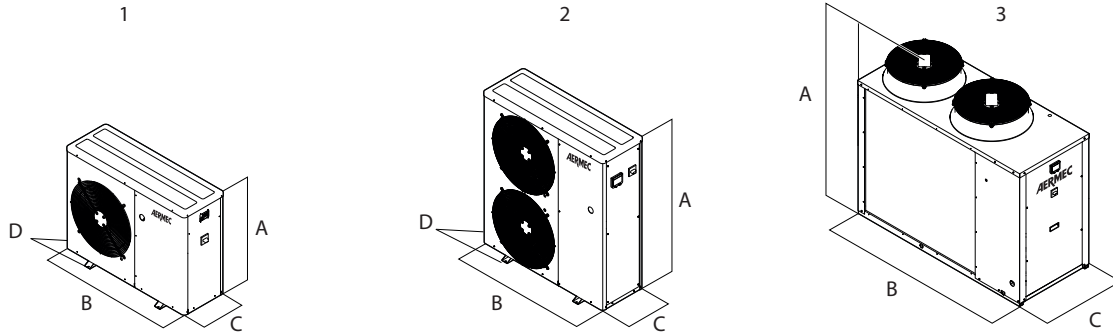
GENERAL TECHNICAL DATA

Size		021	026	031	041	050	070	080	090	102	152	202
Compressor												
Type	°A,P	type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	N	type	-	-	-	-	-	-	-	-	Scroll	Scroll
	Q	type	-	-	-	-	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Compressor regulation	°A,P	Type	On-Off	On-Off	On-Off	On-Off	On-Off	On-Off	On-Off	On-Off	On-Off	On-Off
	N	Type	-	-	-	-	-	-	-	-	On-Off	On-Off
	Q	Type	-	-	-	-	On-Off	On-Off	On-Off	On-Off	On-Off	On-Off
Number	°A,P	no.	1	1	1	1	1	1	1	1	2	2
	N	no.	-	-	-	-	-	-	-	-	2	2
	Q	no.	-	-	-	-	1	1	1	1	2	2
Circuits	°A,P	no.	1	1	1	1	1	1	1	1	1	1
	N	no.	-	-	-	-	-	-	-	-	1	1
	Q	no.	-	-	-	-	1	1	1	1	1	1
Refrigerant	°A,P	type	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	N	type	-	-	-	-	-	-	-	-	R410A	R410A
	Q	type	-	-	-	-	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge	°A,P	kg	1,2	1,2	1,2	1,3	2,8	2,8	3,0	3,9	5,9	5,9
	N	kg	-	-	-	-	-	-	-	-	5,9	5,9
	Q	kg	-	-	-	-	2,8	2,8	3,0	3,9	5,9	5,9
System side heat exchanger												

Size			021	026	031	041	050	070	080	090	102	152	202
Type	°A,P	type	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate
	N	type	-	-	-	-	-	-	-	-	Brazed plate	Brazed plate	Brazed plate
	Q	type	-	-	-	-	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate
Number	°A,P	no.	1	1	1	1	1	1	1	1	1	1	1
	N	no.	-	-	-	-	-	-	-	-	1	1	1
	Q	no.	-	-	-	-	1	1	1	1	1	1	1
Hydronic kit													
Pump number	°	no.	-	-	-	-	-	-	-	-	-	-	-
	A,P	no.	1	1	1	1	1	1	1	1	1	1	1
	N	no.	-	-	-	-	-	-	-	-	1	1	1
Expansion tank number	Q	no.	-	-	-	-	1	1	1	1	1	1	1
	°	no.	-	-	-	-	-	-	-	-	-	-	-
	A,P	no.	1	1	1	1	1	1	1	1	1	1	1
Expansion tank capacity	N	no.	-	-	-	-	-	-	-	-	1	1	1
	Q	no.	-	-	-	-	1	1	1	1	1	1	1
	°	l	-	-	-	-	-	-	-	-	-	-	-
Storage tank number	A,P	l	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
	N	l	-	-	-	-	-	-	-	-	1,5	1,5	1,5
	Q	l	-	-	-	-	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Storage tank capacity	°N,P	no.	-	-	-	-	-	-	-	-	-	-	-
	A	no.	1	1	1	1	1	1	1	1	1	1	1
	Q	no.	-	-	-	-	1	1	1	1	1	1	1
Safety valve	°N,P	l	-	-	-	-	-	-	-	-	-	-	-
	A	l	25	25	35	35	75	75	75	75	100	100	100
	Q	l	-	-	-	-	75	75	75	75	100	100	100
Safety valve	°	n°/bar	-	-	-	-	-	-	-	-	-	-	-
	A,P	n°/bar	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6
	N	n°/bar	-	-	-	-	-	-	-	-	1/6	1/6	1/6
	Q	n°/bar	-	-	-	-	1/6	1/6	1/6	1/6	1/6	1/6	1/6
Hydraulic connections													
Connections (in/out)	°A,P	Type	Gas - F	Gas - F	Gas - F	Gas - F	Gas - F	Gas - F	Gas - F	Gas - F	Gas - F	Gas - F	Gas - F
	N	Type	-	-	-	-	-	-	-	-	-	Gas - F	Gas - F
	Q	Type	-	-	-	-	Gas - F	Gas - F	Gas - F	Gas - F	Gas - F	Gas - F	Gas - F
Size (in)	°A,P	Ø	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4
	N	Ø	-	-	-	-	-	-	-	-	1"1/4	1"1/4	1"1/4
	Q	Ø	-	-	-	-	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4
Size (out)	°A,P	Ø	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4
	N	Ø	-	-	-	-	-	-	-	-	1"1/4	1"1/4	1"1/4
	Q	Ø	-	-	-	-	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4
Fan													
Type	°A,P	type	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial
	N	type	-	-	-	-	-	-	-	-	Axial	Axial	Axial
	Q	type	-	-	-	-	Axial	Axial	Axial	Axial	Axial	Axial	Axial
Fan motor	°A,P	type	On-Off	On-Off	On-Off	On-Off	On-Off	On-Off	On-Off	On-Off	On-Off	On-Off	On-Off
	N	type	-	-	-	-	-	-	-	-	On-Off	On-Off	On-Off
	Q	type	-	-	-	-	On-Off	On-Off	On-Off	On-Off	On-Off	On-Off	On-Off
Number	°A,P	no.	1	1	1	1	2	2	2	2	2	2	2
	N	no.	-	-	-	-	-	-	-	-	2	2	2
	Q	no.	-	-	-	-	2	2	2	2	2	2	2
Air flow rate	°A,P	m³/h	2500	2500	3500	3500	7200	7200	7300	7200	14000	13500	13500
	N	m³/h	-	-	-	-	-	-	-	-	14000	13500	13500
	Q	m³/h	-	-	-	-	7200	7200	7300	7200	14000	13500	13500
Sound data calculated in cooling mode (1)													
Sound power level	°A,P	dB(A)	61,0	61,0	68,0	68,0	69,0	69,0	69,0	68,0	76,0	77,0	78,0
	N	dB(A)	-	-	-	-	-	-	-	-	76,0	77,0	78,0
	Q	dB(A)	-	-	-	-	69,0	69,0	69,0	68,0	76,0	77,0	78,0
Sound pressure level (10 m)	°A,P	dB(A)	29,8	29,8	36,8	36,8	37,6	37,6	37,6	36,6	44,5	45,5	46,5
	N	dB(A)	-	-	-	-	-	-	-	-	44,5	45,5	46,5
	Q	dB(A)	-	-	-	-	37,6	37,6	37,6	36,6	44,5	45,5	46,5

(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 (cold functioning) measured in free field, 10m away from the unit external surface (in compliance with UNI EN ISO 3744).

DIMENSIONS



- 1 ANL 021-041
- 2 ANL 050-070
- 3 ANL 102-202

Size		021	026	031	041	050	070	080	090	102	152	202	
Dimensions and weights													
A	°P	mm	1000	1000	1000	1000	1252	1252	1252	1252	1450	1450	1450
	A	mm	1015	1015	1015	1015	1281	1281	1281	1281	1450	1450	1450
	N	mm	-	-	-	-	-	-	-	-	1450	1450	1450
	Q	mm	-	-	-	-	1281	1281	1281	1281	1450	1450	1450
B	°P	mm	900	900	900	900	1124	1124	1124	1124	1750	1750	1750
	A	mm	1124	1124	1124	1124	1165	1165	1165	1165	1750	1750	1750
	N	mm	-	-	-	-	-	-	-	-	1750	1750	1750
	Q	mm	-	-	-	-	1165	1165	1165	1165	1750	1750	1750
C	°P	mm	310	310	310	310	384	384	384	384	750	750	750
	A	mm	384	384	384	384	550	550	550	550	750	750	750
	N	mm	-	-	-	-	-	-	-	-	750	750	750
	Q	mm	-	-	-	-	550	550	550	550	750	750	750
D	°P	mm	354	354	354	354	428	428	428	428	-	-	-
	A	mm	428	428	428	428	-	-	-	-	-	-	-
	N	mm	-	-	-	-	-	-	-	-	-	-	-
	Q	mm	-	-	-	-	-	-	-	-	-	-	-
Weight empty	°	kg	86	86	86	86	120	120	120	156	270	293	329
	A	kg	103	103	103	103	147	147	147	183	338	364	400
	N	kg	-	-	-	-	-	-	-	-	338	364	400
	P	kg	91	91	91	91	127	127	163	163	288	314	350
	Q	kg	-	-	-	-	151	151	151	187	338	364	400

Aermec reserves the right to make any modifications deemed necessary.
All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

Aermec S.p.A.
Via Roma, 996 - 37040 Bevilacqua (VR) - Italia
Tel. 0442633111 - Telefax 044293577
www.aermec.com