

NLC 0280-1250

Air-water chiller

Cooling capacity 53 ÷ 322 kW



- High efficiency also at partial loads
- Complete air flow versatility
- EC fan Plug-fan with high performance



DESCRIPTION

Chiller offering chilled/hot water, designed to meet air conditioning needs in residential / commercial complexes or industrial applications. Indoor units with Scroll compressors, centrifugal fans and plate heat exchangers.

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

FEATURES

Operating field

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

Units mono or dual-circuit

The range includes units with 2 compressors in single circuit and units with 4 compressors divided into two independent circuits.

Electronic expansion valve

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

EC fan plug-fan

The units are equipped with plug-fans and inverter motors coupled directly with the fan, with the electronic condensation control as standard, which adjusts the air flow according to the actual system requirements, with benefits in terms of consumption and noise reduction.

In addition, compared to conventional centrifugal fans, they do not feature belt and pulley transmission, resulting in easy flow adjustment, compactness, versatility, easy maintenance and no vibrations.

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 save money and to facilitate installation.

Hot water production

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

CONTROL PCO₂

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.

ACCESSORIES

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

AERBACP: Ethernet communication Interface for protocols Bacnet/IP, Modbus TCP/IP, SNMP

AERLINK: Wifi Gateway with an RS485 serial port that can be installed on all machines or on all controllers having an RS485 serial port themselves. The module is capable of simultaneously activating the AP WIFI (Access point) and WIFI Station functions, the latter making it possible to connect to the home or business LAN both with VMF-E5 and E6. To facilitate certain management and control operations of the unit, the AERAPP application is available both for Android and iOS systems.

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.

FL: Flow switch.

MULTICHILLER_EVO: Control, switch-on and switch-off system of the single chillers where multiple units are installed in parallel, 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.

AVX: Spring anti-vibration supports.

VT: Anti-vibration supports.

FLG: Flange for ducts.

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.

KRQ: Electric heater for the control and electric power board.

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

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.

ACCESSORIES COMPATIBILITY

Model	Ver	0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250
AER485P1	°A,E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AERBACP	°A,E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AERLINK	°A,E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AERNET	°A,E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FL	°A,E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MULTICHILLER_EVO	°A,E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PGD1	°A,E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SGD	°A,E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Model	Ver	0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250
C-TOUCH	°A,E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

FILTROW

Ver	0280	0300	0330	0350	0550	0600	0650	0675
°A,E	FILTRO W DN50 (1)	FILTRO W DN50 (1)	FILTRO W DN50 (1)	FILTRO W DN50 (1)	FILTRO W DN65 (1)	FILTRO W DN65 (1)	FILTRO W DN65 (1)	FILTRO W DN65 (1)

(1) Installation is mandatory, contrarily guarantee becomes void.

Ver	0700	0750	0800	0900	1000	1100	1250
°A,E	FILTRO W DN65 (1)	FILTRO W DN65 (1)	FILTRO W DN80 (1)	FILTRO W DN80 (1)	FILTRO W DN80 (1)	FILTRO W DN80 (1)	FILTRO W DN80 (1)

(1) Installation is mandatory, contrarily guarantee becomes void.

Flange for ducts

Ver	0280	0300	0330	0350	0550	0600	0650	0675
°	FLG1	FLG1	FLG1	FLG1	FLG1	FLG2 x 2 (1)	FLG2 x 2 (1)	FLG2 x 2 (1)
A,E	FLG1	FLG1	FLG1	FLG1	FLG2 x 2 (1)	FLG2 x 2 (1)	FLG2 x 2 (1)	FLG2 x 2 (1)

(1) x... indicates the quantity to buy.

Ver	0700	0750	0800	0900	1000	1100	1250
°	FLG1 x 2 (1)	FLG1 + FLG2 x 2 (1)	FLG2 x 4 (1)	FLG1 + FLG2 x 2 (1)	FLG2 x 4 (1)	FLG2 x 4 (1)	FLG2 x 4 (1)
A,E	FLG1 x 2 (1)	FLG1 + FLG2 x 2 (1)	FLG2 x 4 (1)	FLG2 x 4 (1)	FLG2 x 4 (1)	FLG2 x 4 (1)	FLG2 x 4 (1)

(1) x... indicates the quantity to buy.

Antivibration

Ver	0280	0300	0330	0350	0550	0600	0650	0675
Integrated hydronic kit: 00								
°A,E	VT17	VT17	VT17	VT17	-	-	-	-
Integrated hydronic kit: 01, 02, 03, 04, 05, 06, 07, 08								
°A,E	VT11	VT11	VT11	VT11	-	-	-	-
Integrated hydronic kit: P1, P2, P3, P4, P5, P6, P7, P8								
°A,E	VT13	VT13	VT13	VT13	-	-	-	-

The accessory cannot be fitted on the configurations indicated with -

Antivibration

Ver	0280	0300	0330	0350	0550	0600	0650	0675
Integrated hydronic kit: 00								
°	-	-	-	-	AVX437	AVX421	AVX421	AVX421
A,E	-	-	-	-	AVX421	AVX421	AVX421	AVX421
Integrated hydronic kit: 01, 02, 03, 04, 05, 06, 07, 08								
°	-	-	-	-	AVX439	AVX423	AVX423	AVX423
A,E	-	-	-	-	AVX423	AVX423	AVX423	AVX423
Integrated hydronic kit: P1, P3, P5, P7								
°	-	-	-	-	AVX438	AVX421	AVX421	AVX421
A,E	-	-	-	-	AVX421	AVX421	AVX421	AVX421
Integrated hydronic kit: P2, P4, P6, P8								
°	-	-	-	-	AVX438	AVX422	AVX422	AVX422
A,E	-	-	-	-	AVX422	AVX422	AVX422	AVX422

The accessory cannot be fitted on the configurations indicated with -

Ver	0700	0750	0800	0900	1000	1100	1250
Integrated hydronic kit: 00							
°	AVX424	AVX440	AVX440	AVX444	AVX431	AVX431	AVX431
A,E	AVX424	AVX428	AVX431	AVX431	AVX431	AVX431	AVX431

Ver	0700	0750	0800	0900	1000	1100	1250
Integrated hydronic kit: 01, 03, 05, 07							
°	AVX427	AVX441	AVX441	AVX446	AVX435	AVX434	AVX434
A,E	AVX427	AVX430	AVX434	AVX434	AVX434	AVX434	AVX434
Integrated hydronic kit: 02, 04, 06, 08							
°	AVX427	AVX441	AVX441	AVX446	AVX435	AVX436	AVX436
A,E	AVX427	AVX430	AVX435	AVX435	AVX435	AVX436	AVX436
Integrated hydronic kit: P1, P3, P5, P7							
°	AVX425	AVX425	AVX442	AVX445	AVX432	AVX432	AVX432
A,E	AVX425	AVX429	AVX432	AVX432	AVX432	AVX432	AVX432
Integrated hydronic kit: P2, P4, P6, P8							
°	AVX426	AVX426	AVX443	AVX445	AVX433	AVX433	AVX433
A,E	AVX426	AVX429	AVX433	AVX433	AVX433	AVX433	AVX433

DRE: Device for peak current reduction

Ver	0280	0300	0330	0350	0550	0600	0650	0675
°A,E	DRE275 (1)	DRE275 (1)	DRE300 (1)	DRE350 (1)	DRE552 (1)	DRE602 (1)	DRE652 (1)	DRE675 (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

Ver	0700	0750	0800	0900	1000	1100	1250
°A,E	DRE350 x 2	DRE552 x 2	DRE552 x 2	DRE602 x 2	DRE652 x 2	DRE675 x 2	DRE1250 (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

Power factor correction

Ver	0280	0300	0330	0350	0550	0600	0650	0675
°A,E	RIFNLC1	RIFNLC1	RIFNLC2	RIFNLC3	RIFNLC1	RIFNLC1	RIFNLC1	RIFNLC4

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

Ver	0700	0750	0800	0900	1000	1100	1250
°A,E	RIFNLC3 x 2 (1)	RIFNLC3 + RIFNLC2 (1)	RIFNLC1 x 2 (1)	RIFNLC1 x 2 (1)	RIFNLC1 x 2 (1)	RIFNLC4 x 2 (1)	RIFNLC3 x 2 (1)

(1) x... indicates the quantity to buy.
A grey background indicates the accessory must be assembled in the factory

Anti-condensate electric board resistance

Ver	0280	0300	0330	0350	0550	0600	0650	0675
°A,E	KRQ	KRQ	KRQ	KRQ	KRQ	KRQ	KRQ	KRQ

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

Ver	0700	0750	0800	0900	1000	1100	1250
°A,E	KRQ	KRQ	KRQ	KRQ	KRQ	KRQ	KRQ

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

Anti-freeze electric heater for the storage tank

Ver	0280	0300	0330	0350	0550	0600	0650	0675
Integrated hydronic kit: 01, 02, 03, 04, 05, 06, 07, 08								
°A,E	KRA1	KRA1	KRA1	KRA1	KRA2	KRA2	KRA2	KRA2

Integrated hydronic kit: P1, P2, P3, P4, P5, P6, P7, P8								
A,E	KRA1	KRA1	KRA1	KRA1	KRA2	KRA2	KRA2	KRA2

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

Ver	0700	0750	0800	0900	1000	1100	1250	
Integrated hydronic kit: 01, 02, 03, 04, 05, 06, 07, 08								
°A,E	KRA2	KRA2	KRA2	KRA2	KRA2	KRA2	KRA2	

Integrated hydronic kit: P1, P2, P3, P4, P5, P6, P7, P8								
A,E	KRA2	KRA2	KRA2	KRA2	KRA2	KRA2	KRA2	

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

CONFIGURATOR

Field	Description
1,2,3	NLC
4,5,6,7	Size 0280, 0300, 0330, 0350, 0550, 0600, 0650, 0675, 0700, 0750, 0800, 0900, 1000, 1100, 1250
8	Operating field
°	Standard mechanic thermostatic valve (1)
X	Electronic thermostatic expansion valve (1)
Y	Low temperature mechanic thermostatic valve (2)
Z	Low temperature electronic thermostatic valve (2)
9	Model
°	Cooling only
C	Motocondensing unit
10	Heat recovery
°	Without heat recovery
D	With desuperheater (3)
T	With total recovery (4)
11	Version
°	Standard
A	High efficiency
E	Silenced high efficiency
12	Coils
°	Copper-aluminium
R	Copper pipes-copper fins
S	Copper pipes-Tinned copper fins
V	Copper pipes-Coated aluminium fins
13	Fans
J	Inverter
14	Power supply
°	400V ~ 3 50Hz with magnet circuit breakers
15,16	Integrated hydronic kit
00	Without hydronic kit
	Kit with storage tank and pump/s
01	Storage tank with low head pump
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
	Kit with storage tank and inverter pump/s
05	Storage tank with low-head inverter pump
06	Storage tank with low head inverter pump + stand-by pump
07	Storage tank with high head inverter pump
08	Storage tank with high head inverter pump + stand-by pump
	Kit with pump/s
P1	Single pump low head
P2	Pump low head + stand-by pump
P3	Single pump high head
P4	Pump high head + stand-by pump
	Kit with pump/s, with inverter speed
P5	Single low head pump + fixed speed inverter (5)
P6	Single low head pump with fixed speed inverter + stand-by pump (5)
P7	Single high head pump + fixed speed inverter (5)
P8	Single high head pump with fixed speed inverter + stand-by pump (5)

(1) Water produced from 4 °C ÷ 18 °C

(2) Water produced from 4 °C ÷ -10 °C

(3) The temperature of the water in the heat exchanger inlet must never drop below 35°C.

(4) Options not available for standard unit ^{100V}, condensing unit and with alls hydronic kit.

(5) The speed of the inverter pump must be set upon commissioning, according to the useful static pressure required; once it has been set, the pump will work at a constant flow rate.

PERFORMANCE SPECIFICATIONS

NLC - °

Size		0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250
Fans: J																
Cooling performance 12 °C / 7 °C (1)																
Cooling capacity	kW	52,1	57,1	62,8	75,4	94,2	112,0	123,0	137,4	151,4	170,2	189,7	220,2	242,6	277,4	306,7
Input power	kW	20,4	23,4	24,3	28,9	39,3	44,3	50,1	53,7	58,6	66,6	79,0	86,4	99,8	107,6	121,3
Cooling total input current	A	38,0	42,0	46,0	57,0	68,0	77,0	85,0	92,0	113,0	121,0	136,0	148,0	169,0	181,0	208,0
EER	W/W	2,56	2,44	2,59	2,61	2,40	2,53	2,45	2,56	2,58	2,56	2,40	2,55	2,43	2,58	2,53
Water flow rate system side	l/h	8969	9828	10807	12972	16236	19277	21167	23676	26081	29294	32644	37884	41733	47712	52763
Pressure drop system side	kPa	19	22	28	27	43	27	31	43	37	30	38	35	35	41	48

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

NLC - A

Size		0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250
Fans: J																
Cooling performance 12 °C / 7 °C (1)																
Cooling capacity	kW	54,0	59,4	66,9	78,6	106,3	119,5	129,2	146,3	157,4	177,9	209,7	233,2	257,6	290,6	319,2
Input power	kW	19,5	21,5	23,4	27,7	37,7	42,9	45,0	52,4	55,3	60,3	75,4	84,8	89,6	105,7	115,9
Cooling total input current	A	36,0	40,0	43,0	53,0	63,0	71,0	73,0	87,0	107,0	113,0	126,0	139,0	146,0	173,0	198,0
EER	W/W	2,77	2,76	2,85	2,84	2,82	2,78	2,87	2,79	2,85	2,95	2,78	2,75	2,88	2,75	2,75
Water flow rate system side	l/h	9295	10223	11511	13539	18298	20566	22250	25188	27095	30617	36080	40118	44310	49980	54911
Pressure drop system side	kPa	20	24	22	30	25	30	36	36	25	25	33	33	35	37	43

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

NLC - E

Size		0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250
Fans: J																
Cooling performance 12 °C / 7 °C (1)																
Cooling capacity	kW	52,2	58,0	64,2	73,4	102,9	115,6	124,5	142,6	151,1	171,3	201,2	224,8	248,0	282,8	310,6
Input power	kW	19,3	21,5	23,7	27,4	37,6	42,7	45,9	52,5	55,4	60,1	74,9	85,2	90,6	105,8	116,0
Cooling total input current	A	36,0	39,0	43,0	53,0	62,0	69,0	73,0	85,0	106,0	112,0	123,0	138,0	146,0	170,0	197,0
EER	W/W	2,70	2,70	2,71	2,67	2,74	2,71	2,71	2,72	2,73	2,85	2,69	2,64	2,74	2,67	2,68
Water flow rate system side	l/h	8986	9982	11047	12628	17714	19896	21442	24552	25995	29483	34637	38675	42661	48640	53433
Pressure drop system side	kPa	19	23	20	26	23	29	34	34	23	24	31	30	33	35	41

(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		0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250	
Fans: J																	
SEER - 12/7 (EN14825: 2018) (1)																	
SEER	°	W/W	5,33	5,02	4,92	4,97	4,25	4,87	4,57	4,73	4,28	4,15	4,10	4,12	4,10	4,15	4,10
	A	W/W	5,79	5,77	5,33	5,34	5,24	5,33	5,15	5,03	4,75	4,93	4,55	4,46	4,63	4,42	4,35
	E	W/W	4,83	4,98	4,74	4,80	4,58	4,70	4,53	4,48	4,63	4,19	4,14	4,31	4,31	4,19	4,12
Seasonal efficiency	°	%	210,30	197,80	193,90	195,80	167,10	191,60	179,60	186,00	168,20	162,80	161,00	161,90	161,10	163,10	161,00
	A	%	228,60	227,60	210,20	210,40	206,70	210,10	202,90	198,30	186,90	194,00	178,80	175,50	182,30	173,90	171,10
	E	%	190,30	196,00	186,70	189,00	180,10	185,00	178,30	179,10	176,20	182,10	164,60	162,70	169,20	164,40	161,90
SEER - 23/18 (EN14825: 2018) (2)																	
SEER	°	W/W	6,25	5,89	5,79	5,84	5,02	5,72	5,37	5,58	5,08	4,91	4,86	4,90	4,86	4,93	4,87
	A	W/W	6,84	6,82	6,27	6,27	6,17	6,27	6,07	5,93	5,62	5,84	5,39	5,29	5,49	5,25	5,16
	E	W/W	5,68	5,85	5,58	5,64	5,39	5,54	5,35	5,37	5,29	5,46	4,96	4,90	5,10	4,95	4,88
Seasonal efficiency	°	%	246,80	232,50	228,50	230,50	197,70	225,80	211,90	220,10	200,00	193,40	191,40	192,80	191,50	194,10	191,60
	A	%	270,60	269,70	247,60	247,70	243,60	247,80	239,80	234,30	221,80	230,40	212,40	208,50	216,60	206,90	203,50
	E	%	224,20	230,80	220,30	222,70	212,70	218,40	211,00	211,80	208,60	215,50	195,30	193,00	200,90	195,00	192,00
SEPR - (EN 14825: 2018) (2)																	
SEPR	°	W/W	6,54	6,22	6,12	6,02	5,18	5,73	5,32	5,70	5,45	5,08	5,04	5,25	5,04	5,07	5,03
	A	W/W	6,87	6,88	6,44	6,47	6,21	6,35	5,98	5,90	5,94	6,32	5,65	5,40	5,72	5,41	5,39
	E	W/W	5,91	5,92	5,65	5,55	5,14	5,36	5,03	5,15	5,12	5,48	5,09	5,01	5,09	5,05	5,03

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

(2) Calculation performed with FIXED water flow rate.

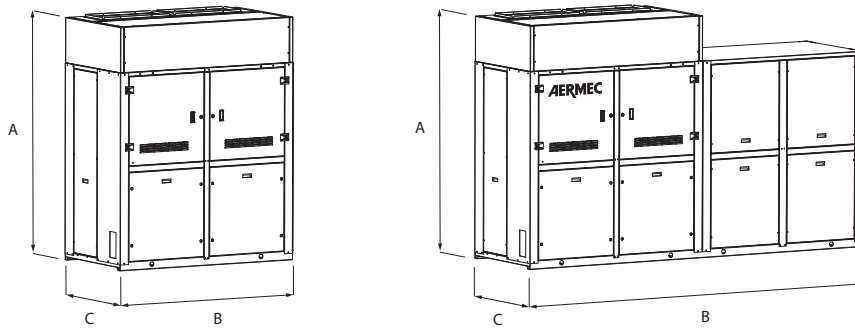
ELECTRIC DATA

Size		0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250	
Electric data																	
Maximum current (FLA)	°	A	52,0	56,0	62,0	73,0	103,0	111,0	119,0	132,0	146,0	169,0	202,0	238,0	263,0	289,0	
	A _E	A	52,0	56,0	62,0	73,0	92,0	111,0	119,0	132,0	146,0	158,0	183,0	210,0	238,0	263,0	289,0
Peak current (LRA)	°	A	128,0	130,0	133,0	216,0	261,0	273,0	281,0	358,0	290,0	346,0	353,0	372,0	400,0	489,0	515,0
	A _E	A	128,0	130,0	133,0	216,0	273,0	273,0	281,0	358,0	290,0	357,0	376,0	384,0	400,0	489,0	515,0

GENERAL TECHNICAL DATA

Size			0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250	
Fans: J																		
Compressor																		
Type	°A,E	type	Scroll															
Compressor regulation	°A,E	Type	On/Off															
Number	°A,E	no.	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	
Circuits	°A,E	no.	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	
Refrigerant	°A,E	type	R410A															
Refrigerant load circuit 1 (1)	°	kg	7,0	7,0	8,5	9,0	13,7	15,0	18,0	19,0	9,5	8,3	13,8	13,5	15,0	19,1	19,1	
	A	kg	8,7	8,5	9,5	10,0	18,0	18,7	22,0	22,0	10,7	9,5	18,7	19,5	22,0	22,0	22,0	
	E	kg	8,7	8,5	9,5	10,0	18,0	18,7	21,0	21,5	10,7	9,5	18,7	19,0	21,1	22,0	22,0	
Refrigerant load circuit 2 (1)	°	kg	-	-	-	-	-	-	-	-	9,5	12,3	13,8	13,5	15,0	19,1	19,1	
	A	kg	-	-	-	-	-	-	-	-	10,7	17,0	18,7	19,5	22,0	22,0	22,0	
	E	kg	-	-	-	-	-	-	-	-	10,7	17,0	18,7	19,0	20,6	22,0	22,0	
System side heat exchanger																		
Type	°A,E	type	Braze plate															
Number	°A,E	no.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
(1) The load indicated in the table is an estimated and preliminary value. The final value of the refrigerant load is indicated on the unit's technical label. For further information contact the office.																		
Size			0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250	
Integrated hydronic kit: 00																		
System side hydraulic connections																		
Connections (in/out)	°A,E	Type	Grooved joints															
Sizes (in/out)	°	Ø	2"	2"	2"	2"	2"	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"	3"	3"	3"	3"
	A,E	Ø	2"	2"	2"	2"	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"	3"	3"	3"	3"
Size			0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250	
Integrated hydronic kit: 01, 02, 03, 04, 05, 06, 07, 08, P1, P2, P3, P4, P5, P6, P7, P8																		
System side hydraulic connections																		
Connections (in/out)	°A,E	Type	Grooved joints															
Sizes (in/out)	°A,E	Ø	2"	2"	2"	2"	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	2" 1/2	3"	3"	3"	3"	3"
Size			0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250	
Fans: J																		
Fan																		
Type	°A,E	type	Plug-fun															
Fan motor	°A,E	type	EC Inverter motors															
Number	°	no.	2	2	2	2	2	4	4	4	4	4	4	6	8	8	8	
	A,E	no.	2	2	2	2	4	4	4	4	4	4	6	8	8	8	8	
Air flow rate	°	m ³ /h	21600	24000	21150	23600	23200	34050	34050	38200	47150	46750	46350	62150	68100	66650	71750	
	A	m ³ /h	21150	23600	19400	22050	27700	33350	27150	32750	44050	57900	55350	55350	54300	65450	65450	
	E	m ³ /h	15000	18400	14650	16450	14900	22200	14600	21750	32900	41900	29850	29850	29200	43500	43500	
Machine exhaust																		
Sound power level	°	dB(A)	83,3	85,6	82,9	85,4	87,5	83,9	83,9	86,1	88,4	89,6	90,5	86,9	86,9	89,1	89,1	
	A	dB(A)	83,6	86,1	81,9	84,5	82,9	85,2	82,9	85,1	87,5	85,8	85,9	88,2	85,9	88,1	88,1	
	E	dB(A)	76,7	80,1	76,5	78,3	75,2	78,5	75,2	78,4	81,3	80,0	78,2	81,5	78,2	81,4	81,4	
Intake plus machine body																		
Sound power level	°	dB(A)	78,4	80,1	79,2	81,0	83,8	86,4	84,8	85,6	83,9	85,1	86,7	87,7	87,2	89,3	89,3	
	A	dB(A)	78,7	80,1	80,0	81,2	86,1	87,4	86,1	87,1	84,0	86,5	89,1	92,5	89,1	90,1	90,4	
	E	dB(A)	76,8	76,7	78,6	79,2	84,2	85,1	84,1	84,7	81,0	82,4	86,2	89,7	86,2	86,6	86,8	

DIMENSIONS



Size		0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250	
Integrated hydronic kit: 00																	
Dimensions and weights																	
A	°A,E	mm	2154	2154	2154	2154	2196	2196	2196	2196	2196	2196	2196	2196	2196	2196	
	°	mm	1750	1750	1750	1750	1750	3150	3150	3150	3500	3500	3500	4900	6300	6300	
B	A,E	mm	1750	1750	1750	1750	3150	3150	3150	3500	4900	6300	6300	6300	6300	6300	
C	°A,E	mm	950	950	950	950	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	
	°	kg	759	759	787	798	994	1409	1415	1450	1510	1682	1858	2294	2692	2775	
Empty weight	A,E	kg	775	775	809	813	1432	1436	1470	1485	1553	2156	2728	2744	2818	2844	
Size			0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250
Integrated hydronic kit: 01, 03, 05, 07																	
Dimensions and weights																	
A	°A,E	mm	2154	2154	2154	2154	2196	2196	2196	2196	2196	2196	2196	2196	2196	2196	
	°	mm	3400	3400	3400	3400	3500	4150	4150	4150	5250	4900	5250	5900	7300	7300	
B	A,E	mm	3400	3400	3400	3400	4150	4150	4150	5250	5900	7300	7300	7300	7300	7300	
C	°A,E	mm	950	950	950	950	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	
	°	kg	973	973	1001	1022	1479	1691	1707	1741	1889	2061	2259	2599	3018	3101	
Empty weight	A,E	kg	989	989	1023	1038	1715	1719	1761	1777	1931	2438	3035	3050	3144	3170	
Size			0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250
Integrated hydronic kit: 02, 04, 06, 08																	
Dimensions and weights																	
A	°A,E	mm	2154	2154	2154	2154	2196	2196	2196	2196	2196	2196	2196	2196	2196	2196	
	°	mm	3400	3400	3400	3400	3500	4150	4150	4150	5250	4900	5250	5900	7300	7300	
B	A,E	mm	3400	3400	3400	3400	4150	4150	4150	5250	5900	7300	7300	7300	7300	7300	
C	°A,E	mm	950	950	950	950	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	
	°	kg	1016	1016	1044	1076	1533	1745	1770	1804	1942	2114	2334	2674	3114	3197	
Empty weight	A,E	kg	1032	1032	1066	1091	1768	1772	1824	1840	1985	2492	3110	3126	3240	3266	
Size			0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250
Integrated hydronic kit: P1, P3, P5, P7																	
Dimensions and weights																	
A	°A,E	mm	2154	2154	2154	2154	2196	2196	2196	2196	2196	2196	2196	2196	2196	2196	
	°	mm	2500	2500	2500	2500	2500	3150	3150	3150	4250	4250	7300	4900	6300	6300	
B	A,E	mm	2500	2500	2500	2500	3150	3150	3150	4250	4900	6300	6300	6300	6300	6300	
C	°A,E	mm	950	950	950	950	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	
	°	kg	888	888	916	937	1146	1468	1483	1518	1664	1836	2041	2375	2793	2876	
Empty weight	A,E	kg	904	904	939	953	1491	1495	1538	1554	1707	2215	2809	2825	2919	2945	
Size			0280	0300	0330	0350	0550	0600	0650	0675	0700	0750	0800	0900	1000	1100	1250
Integrated hydronic kit: P2, P4, P6, P8																	
Dimensions and weights																	
A	°A,E	mm	2154	2154	2154	2154	2196	2196	2196	2196	2196	2196	2196	2196	2196	2196	
	°	mm	2500	2500	2500	2500	2500	3150	3150	3150	4250	4250	7300	4900	6300	6300	
B	A,E	mm	2500	2500	2500	2500	3150	3150	3150	4250	4900	6300	6300	6300	6300	6300	
C	°A,E	mm	950	950	950	950	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	
	°	kg	931	960	991	1199	1522	1546	1581	1718	1890	2117	2451	2888	2972		
Empty weight	A	kg	948	948	982	1007	1545	1549	1601	1617	1760	2268	2885	2900	3014	3040	
	E	kg	948	948	982	1007	1545	1549	1601	1617	1760	2268	2885	2900	3014	3040	

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