WFGN

Water cooled heat pump reversible water side

Cooling capacity 136 ÷ 1727 kW
Heating capacity 153 ÷ 1921 kW

- **Production of hot water up to 55°C.**
- **Production of chilled water down to -8°C.**

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

DESCRIPTION

Units for internal installation offering chilled/hot water, designed to mit air conditioning needs in residential/commercial complexes or industrial applications.
Compact and flexible, perfect alignment to the requested load thanks to an accurate control algorithm.
The base, the structure and the panels are made of galvanized steel treated with polyester paint RAL 9003.

VERSIONS

° Standard
A High efficiency

FEATURES

Operating field

Production of chilled water up to 16 °C of water produced on the evaporator side, but also suitable for use in heat pump mode with condenser water temperature up to 55 °C.

With option Z (double electronic expansion valve) the unit is capable to produce chilled water temperature from -8°C up to 10°C.

Mono, bi-tri circuit unit

Unit with 1-2-3 refrigerant circuits designed to provide maximum efficiency at full load, ensuring high efficiency at partial loads also and ensuring continuity in case one of the circuits stops.
They are equipped with screw compressors and system and source side shell and tube heat exchangers dedicated to use of the new HFO R1234ze gas (A2L).
The R515B refrigerant with this type of gas is also available on the configurator. Performances do not vary when the refrigerant gas available on the configurator varies.
For further details refer to the technical documentation or to the Magellano selection program.

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. Standard for all sizes.

CONTROL PCO_5

Microprocessor adjustment, with keyboard and LCD display,for easy access on the unit is a menu available in several languages.
Adjustment includes complete management of the alarms and their log.
Possibility to control two units in a Master-Slave configuration
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.
AER485P1 x n° 2: RS-485 interface for supervision systems with MODBUS protocol.
AER485P1 x n° 3: RS-485 interface for supervision systems with MODBUS protocol.
AERBACP: Ethernet communication Interface for protocols Bacnet/IP, Modbus TCP/IP, SNMP
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.
AERSET: It makes it possible to automatically compensate for the operation setting of the unit to which it is connected, based on a 0-10V MODBUS input signal. Mandatory accessory MODU-485BL.
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.
AVX: Spring anti-vibration supports.

FACTORY FITTED ACCESSORIES

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

ISG: Insulation kit for condensers. Mandatory accessory for machine functioning in heat pump; standard in units with desuperheater or with heat recovery.

ACCESSORIES COMPATIBILITY

Model	Ver	0701	0801	0901	1101	1251	1401	1601	1801	2101	2401	2502	2801	2802	3201	3202	3602	4202	4802	5602	6402	6703	7203	8403	9603
AER485P1	A	•	•	•	•	•	•	•	•	•	•		•		•										
AER485P1 x n° 2 (1)	A											•		•		•	•	•	•	•	•				
AER485P1 x n° 3 (1)	°,A																					•	•	•	•
AERBACP	°																					•	•	•	•
	A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
AERNET	°																					•	•	•	•
	A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
AERSET	A	•	•	•	•	•	•	•	•	•	•		•		•										
MULTICHILLER_EVO	°																					•	•	•	•
	A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PGD1	°																					•	•	•	•
	A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

(1) x Indicates the quantity of accessories to match.

Antivibration

Version	Set-up	Heat recovery	0701	0801	0901	1101	1251	1401	1601	1801	2101	2401	2502	2801
°	°,L	°,D,T	-	-	-	-	-	-	-	-	-	-	-	-
A	°	°	AVX680	AVX680	AVX680	AVX681	AVX681	AVX681	AVX682	AVX682	AVX683	AVX683	AVX673	AVX683
A	L	°	AVX680	AVX680	AVX680	AVX681	AVX681	AVX681	AVX682	AVX685	AVX683	AVX683	AVX674	AVX683
A	°,L	D,T	-	-	-	-	-	-	-	-	-	-	AVX674	-

Version	Set-up	Heat recovery	2802	3201	3202	3602	4202	4802	5602	6402	6703	7203	8403	9603
°	°,L	°,D,T	-	-	-	-	-	-	-	-	Contact us.	Contact us.	Contact us.	Contact us.
A	°	°	AVX674	AVX683	AVX679	AVX679	AVX678	AVX678	AVX678	AVX678	Contact us.	Contact us.	Contact us.	Contact us.
A	L	°	AVX674	AVX683	AVX678	AVX678	AVX678	AVX678	AVX678	AVX678	Contact us.	Contact us.	Contact us.	Contact us.
A	°	D	AVX674	-	AVX679	AVX679	AVX678	AVX678	AVX678	AVX678	Contact us.	Contact us.	Contact us.	Contact us.
A	°	T	AVX674	-	AVX678	AVX678	AVX678	AVX678	AVX678	AVX678	Contact us.	Contact us.	Contact us.	Contact us.
A	L	D	AVX674	-	AVX678	AVX678	AVX678	AVX678	AVX678	AVX678	Contact us.	Contact us.	Contact us.	Contact us.
A	L	T	AVX674	-	AVX678	AVX678	AVX678	AVX676	AVX676	AVX676	Contact us.	Contact us.	Contact us.	Contact us.

Power factor correction

Ver	0701	0801	0901	1101	1251	1401	1601	1801	2101	2401	2502	2801
A	RIFWFN0701	RIFWFN0801	RIFWFN0901	RIFWFN1101	RIFWFN1251	RIFWFN1401	RIFWFN1601	RIFWFN1801	RIFWFN2101	RIFWFN2401	RIFWFN2502	RIFWFN2801

Ver	2802	3201	3202	3602	4202	4802	5602	6402	6703	7203	8403	9603
°	-	-	-	-	-	-	-	-	RIFWFN6703	RIFWFN7203	RIFWFN8403	RIFWFN9603
A	RIFWFN2802	RIFWFN3201	RIFWFN3202	RIFWFN3602	RIFWFN4202	RIFWFN4802	RIFWFN5602	RIFWFN6402	RIFWFN6703	RIFWFN7203	RIFWFN8403	RIFWFN9603

For the size of the units with the RIF accessory we ask you to contact the headquarters.

Isolating kit

Ver	0701	0801	0901	1101	1251	1401	1601	1801	2101	2401	2502	2801
A	ISG10	ISG10	ISG10	ISG10	ISG11	ISG12	ISG13	ISG13	ISG14	ISG14	ISG1	ISG15

Ver	2802	3201	3202	3602	4202	4802	5602	6402	6703	7203	8403	9603
°	-	-	-	-	-	-	-	-	ISG5	ISG5	ISG6	ISG6
A	ISG1	ISG15	ISG2	ISG2	ISG2	ISG3	ISG3	ISG3	ISG7	ISG8	ISG8	ISG8

CONFIGURATOR

Field		Description
1,2,3,4		**WFGN**
5,6,7,8		**Size** 0701, 0801, 0901, 1101, 1251, 1401, 1601, 1801, 2101, 2401, 2502, 2801, 2802, 3201, 3202, 3602, 4202, 4802, 5602, 6402, 6703, 7203, 8403, 9603
9		**Model**
	°	Heat pump reversible on the water side
10		**Version**
	°	Standard (1)
	A	High efficiency
11		**Operating field**
	X	Electronic thermostatic expansion valve
	Z	Double electronic thermostatic for low temperature
12		**Set-up**
	°	Standard
	K	Super low noise with hood (2)
	L	Silenced with hood
13		**Heat recovery**
	°	Without heat recovery
	D	With desuperheater (3)
	T	With total recovery (3)
14		**Evaporator**
	°	Standard
	E	Evaporating unit
15		**Power supply**
	°	400V/3/50Hz with fuses on compressors and magnet circuit breakers on auxiliary circuit
	2	230V/3/50Hz with fuses on compressors and magnet circuit breakers on auxiliary circuit (4)
	4	230V/3/50Hz with magnet circuit breakers on compressors and auxiliary circuit (4)
	5	500V/3/50Hz with fuses on compressors and magnet circuit breakers on auxiliary circuit (4)
	8	400V/3/50Hz with magnet circuit breakers on compressors and auxiliary circuit
	9	500V/3/50Hz with magnet circuit breakers on compressors and auxiliary circuit (4)
16		**Refrigerant gas (5)**
	°	R1234ze
	G	R515B

(1) Only for sizes from 6703 to 9603
(2) Only for units with R515B
(3) Not available for the condenserless "E"
(4) The 230V and 500V power supplies are only available for sizes 0701 - 0801 - 0901 - 1101 - 1251 - 1401 - 2502 - 2802
(5) Performances do not vary when the refrigerant gas available on the configurator varies.

PERFORMANCE SPECIFICATIONS

WFGN 0701-3201 - version A - gas R1234ze

Size		0701	0801	0901	1101	1251	1401	1601	1801	2101	2401	2801	3201
Cooling performance 12 °C / 7 °C (1)													
Cooling capacity	kW	136,1	154,8	173,8	221,3	239,8	272,3	335,7	370,1	434,3	490,7	545,3	596,9
Input power	kW	26,0	29,7	33,8	41,4	45,0	51,2	61,5	69,0	78,1	88,5	100,0	109,9
Cooling total input current	A	52,0	57,0	63,0	70,0	83,0	96,0	107,0	119,0	130,0	156,0	173,0	193,0
EER	W/W	5,24	5,21	5,15	5,35	5,33	5,32	5,46	5,37	5,56	5,55	5,45	5,43
Water flow rate system side	l/h	23410	26632	29906	38077	41247	46844	57740	63636	74675	84359	93748	102619
Pressure drop system side	kPa	22	25	24	22	21	22	16	20	15	21	25	15
Water flow rate source side	l/h	27751	31586	35551	44983	48779	55416	68103	75234	87855	99259	110576	121174
Pressure drop source side	kPa	21	20	19	24	21	18	18	18	19	19	19	18
Heating performance 40 °C / 45 °C (2)													
Heating capacity	kW	153,1	172,4	196,2	245,2	267,2	303,2	369,1	408,3	478,4	547,5	601,0	663,0
Input power	kW	32,6	37,2	42,4	51,8	56,4	64,2	76,0	85,4	96,3	109,6	123,2	137,5
Heating total input current	A	64,0	71,0	79,0	87,0	103,0	119,0	131,0	146,0	160,0	191,0	210,0	240,0
COP	W/W	4,69	4,63	4,63	4,74	4,73	4,73	4,86	4,78	4,97	4,99	4,88	4,82
Water flow rate system side	l/h	26569	29919	34065	42555	46384	52636	64078	70908	83096	95098	104400	115170
Pressure drop system side	kPa	20	18	17	22	19	16	16	16	17	18	17	17
Water flow rate source side	l/h	35233	39544	45008	56537	61580	69831	85443	94274	111358	127787	139586	153205
Pressure drop source side	kPa	49	55	55	48	47	48	34	44	34	48	57	34

(1) Date 14511:2022; Water user side 12 °C / 7 °C; Water source side 30 °C / 35 °C
(2) Date 14511:2022; Water user side 40 °C / 45 °C; Water source side 10 °C / 7 °C

WFGN 2502-9603 - version A - gas R1234ze

Size		2502	2802	3202	3602	4202	4802	5602	6402	6703	7203	8403	9603
Cooling performance 12 °C / 7 °C (1)													
Cooling capacity	kW	489,1	556,6	675,8	750,2	879,3	995,4	1100,3	1217,3	1315,3	1454,9	1594,7	1727,0
Input power	kW	91,4	103,5	125,1	138,3	159,8	180,3	202,1	225,0	236,7	262,9	296,7	326,6
Cooling total input current	A	166,0	192,0	214,0	237,0	261,0	312,0	346,0	388,0	386,0	466,0	515,0	577,0
EER	W/W	5,35	5,38	5,40	5,42	5,50	5,52	5,45	5,41	5,56	5,53	5,38	5,29
Water flow rate system side	l/h	84115	95704	116204	128995	151168	171142	189154	209277	226089	250084	274117	296820
Pressure drop system side	kPa	42	33	34	42	35	44	33	41	25	31	30	17
Water flow rate source side	l/h	99161	112842	136932	152026	177654	200961	222817	246414	266044	294386	324122	352026
Pressure drop source side	kPa	53	50	49	31	51	51	42	62	19	18	18	21
Heating performance 40 °C / 45 °C (2)													
Heating capacity	kW	545,1	618,4	747,2	833,5	967,0	1093,6	1204,7	1333,7	1457,0	1601,3	1761,4	1921,0
Input power	kW	116,1	130,9	155,9	173,0	198,3	224,8	248,9	277,7	293,3	326,6	365,9	400,0
Heating total input current	A	208,0	240,0	264,0	291,0	320,0	383,0	421,0	473,0	473,0	571,0	627,0	702,0
COP	W/W	4,70	4,73	4,79	4,82	4,88	4,87	4,84	4,80	4,97	4,90	4,81	4,80
Water flow rate system side	l/h	94650	107376	129767	144768	167936	189943	209256	231650	253135	278220	306025	333765
Pressure drop system side	kPa	49	45	44	28	45	46	37	55	17	16	16	19
Water flow rate source side	l/h	126174	143007	173413	193793	225352	255129	279883	310087	339613	372508	407744	443369
Pressure drop source side	kPa	95	74	77	96	79	98	73	91	56	70	66	37

(1) Date 14511:2022; Water user side 12 °C / 7 °C; Water source side 30 °C / 35 °C
(2) Date 14511:2022; Water user side 40 °C / 45 °C; Water source side 10 °C / 7 °C

WFGN 6703-9603 - version ° - gas R1234ze

Size		6703	7203	8403	9603
Cooling performance 12 °C / 7 °C (1)					
Cooling capacity	kW	1300,7	1439,0	1554,8	1692,4
Input power	kW	239,3	265,4	297,1	329,6
Cooling total input current	A	396,0	475,0	525,0	588,0
EER	W/W	5,44	5,42	5,23	5,13
Water flow rate system side	l/h	223578	247357	267235	290895
Pressure drop system side	kPa	26	29	22	26
Water flow rate source side	l/h	263609	291721	317119	346049
Pressure drop source side	kPa	39	39	33	39
Heating performance 40 °C / 45 °C (2)					
Heating capacity	kW	1444,7	1588,0	1725,3	1890,3
Input power	kW	296,0	328,4	364,3	404,7
Heating total input current	A	485,0	583,0	639,0	716,0
COP	W/W	4,88	4,83	4,74	4,67
Water flow rate system side	l/h	250963	275857	299728	328385
Pressure drop system side	kPa	36	35	29	35
Water flow rate source side	l/h	335840	368447	397507	434518
Pressure drop source side	kPa	59	65	48	58

(1) Date 14511:2022; Water user side 12 °C / 7 °C; Water source side 30 °C / 35 °C
(2) Date 14511:2022; Water user side 40 °C / 45 °C; Water source side 10 °C / 7 °C

ENERGY INDICES (REG. 2016/2281 EU)

Size		0701	0801	0901	1101	1251	1401	1601	1801	2101	2401	2801
SEER - 12/7 (EN14825: 2018) (1)												
SEER	W/W	6,71	6,96	6,87	6,43	6,80	6,79	6,69	6,69	7,01	6,99	6,58
Seasonal efficiency	%	265,30	275,30	271,70	254,00	269,00	268,40	264,60	264,70	277,20	276,70	260,30
SEPR - (EN 14825: 2018) High temperature (2)												
SEPR	W/W	8,20	8,00	8,20	8,00	8,00	8,00	8,00	7,90	8,10	8,10	8,10

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

Size			6703	7203	8403	9603
SEER - 12/7 (EN14825: 2018) (1)						
SEER	°,A	W/W	7,11	7,14	7,03	6,94
Seasonal efficiency	°,A	%	281,30	282,50	278,30	274,40
SEPR - (EN 14825: 2018) High temperature (2)						
SEPR	°,A	W/W	8,10	8,20	8,20	8,30

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

Size			0701	0801	0901	1101	1251	1401
UE 813/2013 performance in average ambient conditions (average) - 55 °C - Pdesignh ≤ 400 kW (1)								
Pdesignh	°	kW	-	-	-	-	-	-
	A	kW	197,00	219,00	253,00	312,00	339,00	384,00
SCOP	°	W/W	-	-	-	-	-	-
	A	W/W	4,65	4,70	4,65	4,75	5,00	4,98
ηsh	°	%	-	-	-	-	-	-
	A	%	178,00	180,00	178,00	182,00	192,00	191,00

(1) Efficiencies for average temperature applications (55 °C)

PERFORMANCE SPECIFICATIONS EVAPORATING UNITS

WFGN - version AE - gas R1234ze

Size		0701	0801	0901	1101	1251	1401	1601	1801	2101	2401	2801	3201
Evaporator: E													
Cooling performance 12 °C / 7 °C - gas R1234ze (1)													
Cooling capacity	kW	121,0	137,5	154,5	196,6	214,1	243,2	297,4	329,0	390,9	442,4	480,9	529,0
Input power	kW	31,4	35,9	40,9	50,0	54,7	62,2	74,1	83,1	93,9	106,2	119,1	131,5
Cooling total input current	A	58,0	65,0	73,0	83,0	97,0	111,0	125,0	140,0	154,0	183,0	203,0	226,0
EER	W/W	3,85	3,83	3,77	3,93	3,92	3,91	4,02	3,96	4,16	4,17	4,04	4,02
Evaporator water flow rate	l/h	20792	23621	26548	33776	36780	41778	51103	56534	67168	76005	110092	90893
Pressure drop evaporator side	kPa	31	35	35	31	31	32	22	29	22	30	35	21
Length of refrigerant lines from/to 0 - 10 m													
Gas line (C1)	Ø	42,0	54,0	54,0	54,0	67,0	67,0	67,0	76,0	76,0	89,0	89,0	89,0
Gas line (C2)	Ø	-	-	-	-	-	-	-	-	-	-	-	-
Gas line (C3)	Ø	-	-	-	-	-	-	-	-	-	-	-	-
Liquid line (C1)	Ø	28,0	35,0	35,0	35,0	42,0	42,0	42,0	42,0	54,0	54,0	54,0	54,0
Liquid line (C2)	Ø	-	-	-	-	-	-	-	-	-	-	-	-
Liquid line (C3)	Ø	-	-	-	-	-	-	-	-	-	-	-	-

(1) Service side water 12 °C / 7 °C; Condensing temperature 45 °C

Size		2502	2802	3202	3602	4202	4802	5602	6402	6703	7203	8403	9603
Evaporator: E													
Cooling performance 12 °C / 7 °C - gas R1234ze (1)													
Cooling capacity	kW	435,2	495,4	598,4	665,6	796,3	895,9	964,3	1068,0	1165,6	1325,4	1443,9	1565,4
Input power	kW	109,2	124,2	148,1	164,9	188,7	212,3	238,2	262,9	279,7	316,3	354,8	392,2
Cooling total input current	A	193,0	222,0	250,0	279,0	310,0	365,0	405,0	451,0	459,0	545,0	603,0	673,0
EER	W/W	3,99	3,99	4,04	4,04	4,22	4,22	4,05	4,06	4,17	4,19	4,07	3,99
Evaporator water flow rate	l/h	74770	85110	102813	114362	136819	153933	165685	183500	200259	227721	248077	268953
Pressure drop evaporator side	kPa	60	48	49	63	50	63	45	56	34	46	43	24
Length of refrigerant lines from/to 0 - 10 m													
Gas line (C1)	Ø	67,0	67,0	67,0	76,0	76,0	88,9	88,9	88,9	76,0	88,9	88,9	88,9
Gas line (C2)	Ø	67,0	67,0	67,0	76,0	76,0	88,9	88,9	88,9	76,0	88,9	88,9	88,9
Gas line (C3)	Ø	-	-	-	-	-	-	-	42,0	76,0	88,9	88,9	88,9
Liquid line (C1)	Ø	42,0	42,0	42,0	42,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0
Liquid line (C2)	Ø	42,0	42,0	42,0	42,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0
Liquid line (C3)	Ø	-	-	-	-	-	-	-	-	54,0	54,0	54,0	54,0

(1) Service side water 12 °C / 7 °C; Condensing temperature 45 °C

WFGN - version °E - gas R1234ze

Size			6703	7203	8403	9603
Evaporator: E						
Cooling performance 12 °C / 7 °C - gas R1234ze (1)						
Cooling capacity	kW		1129,2	1283,0	1378,4	1504,1
Input power	kW		282,3	319,1	356,8	394,8
Cooling total input current	A		463,0	549,0	606,0	676,0
EER	W/W		4,00	4,02	3,86	3,81
Evaporator water flow rate	l/h		194017	220439	236821	258428
Pressure drop evaporator side	kPa		35	41	30	36
Length of refrigerant lines from/to 0 - 10 m						
Gas line (C1)	Ø		76,0	88,9	88,9	88,9
Gas line (C2)	Ø		76,0	88,9	88,9	88,9
Gas line (C3)	Ø		76,0	88,9	88,9	88,9
Liquid line (C1)	Ø		54,0	54,0	54,0	54,0
Liquid line (C2)	Ø		54,0	54,0	54,0	54,0
Liquid line (C3)	Ø		54,0	54,0	54,0	54,0

(1) Service side water 12 °C / 7 °C; Condensing temperature 45 °C

ELECTRIC DATA

Size		0701	0801	0901	1101	1251	1401	1601	1801	2101	2401	2502	2801	2802	3201	3202	3602	4202	4802	5602	6402
Electric data																					
Maximum current (FLA)	A	106,0	119,0	136,0	162,0	183,0	208,0	243,0	275,0	305,0	350,0	365,0	389,0	416,0	427,0	486,0	549,0	609,0	700,0	777,0	854,0
Peak current (LRA)	A	163	192	229	300	314	341	436	465	586	650	440	805	486	917	601	650	792	890	1070	1210

Size			6703	7203	8403	9603
Electric data						
Maximum current (FLA)	°,A	A	913,0	1050,0	1166,0	1281,0
Peak current (LRA)	°,A	A	998	1129	1334	1502

GENERAL TECHNICAL DATA

Size			0701	0801	0901	1101	1251	1401	1601	1801	2101	2401	2502	2801	2802	3201
Compressor																
Type	°,A	type	Screw													
Compressor regulation	°,A	Type	On-Off													
Number	°,A	no.	1	1	1	1	1	1	1	1	1	1	2	1	2	1
Circuits	°,A	no.	1	1	1	1	1	1	1	1	1	1	2	1	2	1
Refrigerant	°,A	type	R1234ze													
Refrigerant load circuit 1 (1)	°	kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	kg	41,0	41,0	38,0	59,0	57,0	72,0	66,0	61,0	85,0	81,0	50,0	110,0	53,0	104,0
Refrigerant load circuit 2 (1)	°	kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	kg	-	-	-	-	-	-	-	-	-	-	50,0	-	53,0	-
Refrigerant load circuit 3 (1)	°,A	kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System side heat exchanger																
Type	°,A	type	Shell and tube													
Number	°,A	no.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Connections (in/out)	°,A	Type	Grooved joints													
Source side heat exchanger																
Type	°,A	type	Shell and tube													
Number	°,A	no.	1	1	1	1	1	1	1	1	1	1	2	1	2	1
Connections (in/out)	°,A	Type	Grooved joints													

(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			3202	3602	4202	4802	5602	6402	6703	7203	8403	9603
Compressor												
Type	°,A	type	Screw									
Compressor regulation	°,A	Type	On-Off									
Number	°,A	no.	2	2	2	2	2	2	3	3	3	3
Circuits	°,A	no.	2	2	2	2	2	2	3	3	3	3
Refrigerant	°,A	type	R1234ze									
Refrigerant load circuit 1 (1)	°	kg	-	-	-	-	-	-	107,0	115,0	136,0	157,0
	A	kg	81,0	71,0	70,0	123,0	124,0	121,0	106,0	104,0	110,0	120,0
Refrigerant load circuit 2 (1)	°	kg	-	-	-	-	-	-	107,0	115,0	136,0	157,0
	A	kg	81,0	71,0	70,0	123,0	124,0	121,0	106,0	104,0	110,0	120,0
Refrigerant load circuit 3 (1)	°	kg	-	-	-	-	-	-	107,0	115,0	136,0	157,0
	A	kg	-	-	-	-	-	-	106,0	104,0	110,0	120,0
System side heat exchanger												
Type	°,A	type	Shell and tube									
Number	°,A	no.	1	1	1	1	1	1	1	1	1	1
Connections (in/out)	°,A	Type	Grooved joints									
Source side heat exchanger												
Type	°,A	type	Shell and tube									
Number	°,A	no.	2	2	2	2	2	2	3	3	3	3
Connections (in/out)	°,A	Type	Grooved joints									

(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.

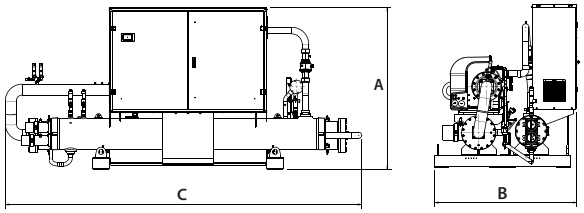
SOUND DATA

Size			0701	0801	0901	1101	1251	1401	1601	1801	2101	2401	2502	2801	2802	3201	3202	3602	4202	4802	5602	6402	6703	7203	8403	9603
Refrigerant gas: °																										
Standard equipment																										
Sound power level (1)	°	dB(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	97,0	97,2	99,5	100,0
	A	dB(A)	87,7	88,0	87,7	89,1	90,3	91,3	90,5	90,7	93,2	92,5	93,5	94,8	94,0	94,2	94,0	94,5	95,0	95,5	97,5	98,0	97,0	97,2	99,5	100,0
Silenced equipment																										
Sound power level (1)	°	dB(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93,0	93,2	95,5	96,0
	A	dB(A)	83,7	84,0	83,7	85,1	86,3	87,3	86,5	86,7	89,2	88,5	89,5	90,8	90,0	90,2	90,0	90,5	91,0	91,5	93,5	94,0	93,0	93,2	95,5	96,0

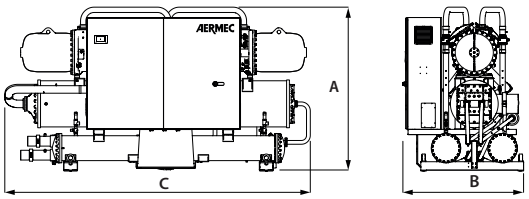
(1) Sound power: calculated in agreement with the Standard UNI EN ISO 9614-2, in compliance with that requested by Eurovent certification.

DIMENSIONS

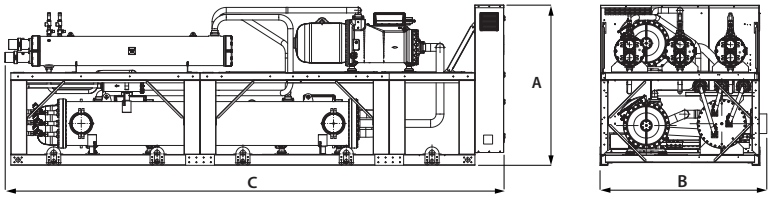
0701 - 3201



2502 - 6402



6703 - 9603



Size		0701	0801	0901	1101	1251	1401	1601	1801	2101	2401	2502	2801	2802	3201	3202	3602	4202	4802	5602	6402
Set-up: °																					
Dimensions and weights																					
A	mm	1720	1720	1720	1720	1790	1865	1865	1865	1887	1887	2000	1920	2075	1920	2195	2195	2340	2432	2440	2432
B	mm	1450	1450	1450	1510	1550	1610	1610	1610	1610	1610	1500	1630	1500	1630	1575	1575	1585	1775	1775	1820
C	mm	3480	3480	3480	3470	3445	3560	4100	4100	4140	4252	4320	4290	4345	4290	4380	4380	4395	4535	4605	4605
Empty weight	kg	1610	1630	1630	2120	2130	2350	2940	2980	3260	3320	3810	3820	4100	3870	5690	5750	6300	6670	6970	7070
Set-up: L																					
Dimensions and weights																					
A	mm	1720	1720	1720	1720	1790	1865	1865	1865	1887	1887	2000	1920	2075	1920	2195	2195	2340	2432	2440	2432
B	mm	1450	1450	1450	1540	1600	1610	1610	1610	1630	1630	1500	1645	1500	1645	1575	1575	1585	1775	1775	1820
C	mm	3480	3480	3480	3470	3445	3560	4100	4100	4140	4252	4320	4290	4345	4290	4650	4650	4600	5015	5150	5150
Empty weight	kg	1770	1790	1790	2280	2290	2510	3120	3170	3450	3510	4120	4030	4410	4080	6050	6120	6670	7040	7420	7490

Size			6703	7203	8403	9603
Set-up: °						
Dimensions and weights						
A	°,A	mm	2250	2250	2250	2250
B	°,A	mm	2200	2200	2200	2200
C	°	mm	5650	5650	5650	5650
	A	mm	6840	6840	6840	6840
Empty weight	°	kg	9330	9910	10130	10200
	A	kg	10320	11670	12270	12360
Set-up: L						
Dimensions and weights						
A	°,A	mm	2250	2250	2250	2250
B	°,A	mm	2200	2200	2200	2200
C	°	mm	5650	5650	5650	5650
	A	mm	6840	6840	6840	6840
Empty weight	°	kg	9890	10470	10760	10830
	A	kg	10880	12230	12950	12990

■ *For the sizes of D-T-E versions please contact the factory.*

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