

Water chillers and HP with Low GWP refrigerant WLE



Indoor or outdoor packaged unit

WLE 42 kW - 750 kW



Water-cooled packaged units for indoor or outdoor installation with high seasonal efficiency and low-GWP refrigerant

WLE is the new Galletti series of self-contained reversible heat pumps and water chillers for indoor or outdoors (with IP54 electrical panel option) installation, suitable for both air conditioning and industrial process applications. R454B is a next generation A2L refrigerant with a GWP of only 467, one of the lowest on the market. This GWP value ensures that the WLE range complies with the gradual reduction of greenhouse gas emissions required by the F-GAS regulation, down to the stricter limits foreseen for 2030.

The range covers capacities from 40 kW up to a maximum of 750 kW and is characterised by extremely high levels of seasonal efficiency (in compliance with ErP 2021 requirements) and reduced space requirements in order to facilitate access to technical compartments (for capacities of up to 500 kW, the width and height are less than 96 cm and 196 cm respectively). In order to increase the efficiency at partial loads, WLE models are provided with tandem or trio solutions (2 or 3 compressors on a single circuit) and equipped with electronic expansion valve as standard. Both single and dual circuit versions are available.

The use of top quality components at the cutting edge of technology in cooling, hydraulic, and electrical systems makes WLE chillers state of the art in terms of efficiency, reliability, and operating limits. In fact, the ability to produce water from -8 °C to 55 °C and use any type of natural source for dissipation is guaranteed: soil, ground water, or outside air.

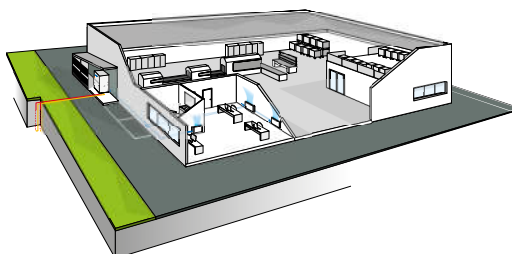
The high configurability of the series, which is in the DNA of Galletti, is guaranteed by 2 different versions, with and without closing panels, and 3 different acoustic configurations: standard, low noise, and super low noise, able to ensure a sound power level reduction of up to 12 dB(A).

The range of the configuration available is completed by the possibility of producing hot water up to 60 °C at zero cost through partial heat recovery. Lastly, the advanced microprocessor that regulates the operation of the unit allows: the control of a maximum of 2 pumps on the equipment side and 2 pumps on the source side, on/off or modulating, the possibility of cascade connection of up to 6 units and management of reversibility on both the gas side and the water side.



PLUS

- » Refrigerant R454B (GWP=467)
- » Electronic expansion valve
- » Up to 6 compressors
- » 1 or 2 cooling circuits
- » Remote connectivity with the most common protocols
- » Compact dimensions
- » 3 different acoustic configurations
- » High seasonal efficiency values
- » Production of hot water up to 55 °C or cold water down to -8 °C



The possibility of keeping the evaporator indoors means there is no need to add glycol to the water inside the system. In addition, you can keep all components requiring maintenance in an easily accessible room.

MAIN COMPONENTS

Structure

Made in galvanised steel sheet with a polyester powder coating for outdoors.

On request the compressor compartment is completely sealed and accessible on 3 sides thanks to easily removable panels that greatly simplify all maintenance and inspection operations.

The unit can be fitted with electric control board with protection rating IP54 which makes it suitable for outdoor installation.

Compressori scroll

Scroll-type compressors in a tandem or trio configuration equipped with IDV valve. The IDV intermediate delivery valve technology allows the compressor to avoid losses caused by overcompression and, consequently, the additional work the motor has to perform in partial-load operation, saving energy and improving seasonal and partial-load efficiency from 3% to 10%.



Very low GWP refrigerant

Use of R454B refrigerant with low environmental impact. R454B is a next-generation A2L refrigerant with a GWP of only 467, one of the lowest on the market. This GWP value ensures the range complies with the gradual reduction of quotas of greenhouse refrigerants in the European market required by the F-GAS regulation, down to the stricter limits foreseen for 2030

Heat exchangers

All units have heat exchangers with braze-welded AISI 316 austenitic stainless steel plates and connections made of AISI 316 L, characterised by a reduced carbon content to facilitate brazing.



Safety procedures in case of refrigerant leakage

As a standard feature, the units are equipped with leak detection sensors in the electrical control board and near the cooling circuit. The microprocessor manages the procedures for securing and shutting down the unit in case of refrigerant leakage, also making it possible to divert the power supply of the control unit that collects the information from the leak sensors on a low-voltage emergency line. This function allows the complete disconnection of the power to the unit during maintenance operations, while leaving all the safety systems enabled.

CONFIGURATOR

The models are completely configurable by selecting the version and the options. To the right is shown an example of configuration.

Version	Field	1	2	3	4	5	6	7	8	9	10	11
WLE132HL		2	8	0	3	3	1	0	0	0	P	1

To verify the compatibility of the options, use the selection software or the price list.

AVAILABLE VERSIONS

Only cooling versions

WLE...CSG
WLE...CLG
WLE...CQG

Standard execution
Low noise execution
Super low noise execution

Heat pump versions

WLE...HSG
WLE...HLG
WLE...HQG

Reversible, standard execution
Reversible, low noise execution
Reversible, quite execution

CONFIGURATION OPTIONS

1 Power supply

- 0 400/3/50 + N
- 1 400/3/50
- 2 400/3/50 + N + Circuit breakers
- 3 400/3/50 + circuit breakers

2 Control microprocessor and lamination device

- B Advanced + electronic expansion valve

3 Partial heat recovery

- 0 Absent
- D Desuperheater (partial heat recovery)

4 Management of source side pumps

- 1 Single pump
- 2 Dual pump
- 3 Single pump + condensation control with 0-10V modulated output signal
- 4 Dual pump + condensation control with 0-10V modulated output signal

5 User water flow modulation

- 1 Single pump
- 2 Dual pump
- 3 Single pump + output signal with water flow modulation in ΔT logic = cost
- 4 Dual pump + output signal with water flow modulation in ΔT logic = cost
- 5 Single pump + output signal with water flow modulation in T logic = cost
- 6 Dual pump + output signal with water flow modulation in T logic = cost

6 Remote communication

- 0 Absent
- 1 RS485 serial card (Modbus or Carel protocol)
- 2 Lonworks serial card
- 4 Ethernet card (SNMP or BACNET protocol) + clock card
- 5 Ethernet card + clock card + monitoring software

7 Anti vibration shock mounts

- 0 Absent
- G Rubber vibration dampers at the base of the unit
- M Spring vibration dampers at the base of the unit

8 Packing

- 0 Standard
- 1 Wooden cage
- 2 Wooden crate

9 Remote control

- 0 Absent
- 1 Simplified remote control panel
- 3 Remote display for programmable microprocessor

10 Anti-intrusion panelling

- 0 Absent
- P Present (standard for Q version and mandatory for field 11 = 1)

11 Unit installation

- 0 Indoor
- 1 Outdoor

ACCESSORIES

A Power factor capacitors

B Soft starter

C Service kit (advanced controller required)

D User side water flow reversal valve management

E ON/OFF status of the compressors

F Remote control for step capacity limit (advanced controller required)

G Configurable digital alarm board (advanced controller required)

I Two pairs of Victaulic joints

L Filter regulating kit

M Set point compensation outdoor temperature probe

N Compressor tandem/trio isolation valves

P Unit lifting pipes

Q Temperature probe for pump shutdown on the primary circuit

T Mains power analyzer for monitoring and reducing power consumption

V Set-point modification with 4-20mA signal

Water chillers and HP with Low GWP refrigerant WLE

WLE C WATER CHILLERS RATED TECHNICAL DATA

WLE			052	062	072	082	092	122	132	
Power supply		V-ph-Hz	400/3N/50							
Cooling capacity	(1)(E)	kW	45,3	57,9	66,3	76,8	85,7	116	131	
Total power input	(1)(E)	kW	10,5	13,5	15,2	17,7	19,8	26,3	29,9	
EER	(1)(E)		4,30	4,27	4,36	4,35	4,32	4,39	4,37	
SEER	(2)(E)		5,72	5,98	6,02	5,78	5,95	5,81	5,80	
Water flow user side	(1)	l/h	7796	9977	11418	13231	14763	19893	22476	
Water pressure drop user side	(1)(E)	kPa	31	49	45	45	43	45	35	
Water flow source side	(1)	l/h	9518	12143	13864	16074	17969	24151	27369	
Water pressure drop source side	(1)(E)	kPa	48	75	68	67	65	66	53	
Maximum current absorption		A	29,0	36,0	42,0	49,0	57,0	72,0	81,0	
Start up current		A	112	161	211	218	178	288	296	
Startup current with soft starter		A	67	97	127	131	107	173	178	
Compressors / circuits			2/1							
Sound power level	(3)(E)	dB(A)	73	75	76	77	80	80	82	
Sound power level quiet version	(3)	dB(A)	61	63	64	65	68	68	70	
Sound power level, low-noise version	(3)	dB(A)	67	69	70	71	74	74	76	
Weight without options		kg	310	328	343	361	408	560	619	

WLE			152	154	182	184	212	214	242	
Power supply		V-ph-Hz	400/3N/50							
Cooling capacity	(1)(E)	kW	161	144	177	177	208	203	235	
Total power input	(1)(E)	kW	37,2	33,2	39,5	40,6	46,7	46,5	51,8	
EER	(1)(E)		4,33	4,34	4,47	4,36	4,46	4,38	4,54	
SEER	(2)(E)		6,06	5,54	6,09	6,48	5,84	6,11	5,78	
Water flow user side	(1)	l/h	27732	24792	30369	30429	35841	34985	40465	
Water pressure drop user side	(1)(E)	kPa	51	24	29	35	39	38	49	
Water flow source side	(1)	l/h	33758	30291	36888	37093	43502	42614	48918	
Water pressure drop source side	(1)(E)	kPa	78	37	44	53	60	57	74	
Maximum current absorption		A	91,0	90,0	112	114	130	128	151	
Start up current		A	356	224	380	293	399	307	420	
Startup current with soft starter		A	214	153	228	199	239	210	252	
Compressors / circuits			2/1	4/2	2/1	4/2	2/1	4/2	2/1	
Sound power level	(3)(E)	dB(A)	87	79	87	83	89	83	89	
Sound power level quiet version	(3)	dB(A)	75	67	77	71	78	71	79	
Sound power level, low-noise version	(3)	dB(A)	81	73	83	77	84	77	85	
Weight without options		kg	688	997	727	932	799	973	869	

(1) Water temperature - user side 12°C / 7°C, water temperature - dissipation side 30°C / 35°C (EN14511:2022)

(2) η efficiency values for heating and cooling are respectively calculated by the following formulas: $[\eta = SCOP / 2,5 - F(1) - F(2)]$ e $[\eta = SEER / 2,5 - F(1) - F(2)]$. For further information, please refer to the technical document "ErP 2009/125/EC DIRECTIVE" in the catalogue introducing pages, or to the EN14825:2022 regulation.

(3) Sound power level measured according to ISO 9614

(E) EUROVENT certified data

WLE C WATER CHILLERS RATED TECHNICAL DATA

WLE			244	274	314	364	384	454	504	
Power supply		V-ph-Hz	400/3N/50							
Cooling capacity	(1)(E)	kW	231	262	296	349	376	419	478	
Total power input	(1)(E)	kW	51,9	58,8	66,6	76,6	81,9	89,3	99,2	
EER	(1)(E)		4,45	4,46	4,44	4,56	4,59	4,69	4,81	
SEER	(2)(E)		6,14	6,08	6,40	6,38	6,11	6,71	6,77	
Water flow user side	(1)	l/h	39728	45112	50884	59992	64563	72043	82068	
Water pressure drop user side	(1)(E)	kPa	42	43	41	44	44	25	31	
Water flow source side	(1)	l/h	48233	54764	61834	72580	78025	86936	98537	
Water pressure drop source side	(1)(E)	kPa	61	64	63	66	66	43	53	
Maximum current absorption		A	144	161	182	224	240	261	303	
Start up current		A	360	377	447	492	508	529	571	
Startup current with soft starter		A	244	259	305	340	353	369	403	
Compressors / circuits			4/2							
Sound power level	(3)(E)	dB(A)	83	85	90	90	90	92	92	
Sound power level quiet version	(3)	dB(A)	71	73	78	80	80	81	82	
Sound power level, low-noise version	(3)	dB(A)	77	79	84	86	86	87	88	
Weight without options		kg	992	1101	1393	1491	1523	1925	1968	

WLE			606	636	696	746
Power supply		V-ph-Hz	400/3N/50			
Cooling capacity	(1)(E)	kW	557	612	664	720
Total power input	(1)(E)	kW	120	134	144	151
EER	(1)(E)		4,66	4,56	4,60	4,76
SEER	(2)(E)		6,69	6,73	6,72	6,80
Water flow user side	(1)	l/h	95729	105158	114046	123665
Water pressure drop user side	(1)(E)	kPa	38	43	52	60
Water flow source side	(1)	l/h	115496	127315	137734	148470
Water pressure drop source side	(1)(E)	kPa	63	62	71	70
Maximum current absorption		A	328	370	412	454
Start up current		A	593	638	680	722
Startup current with soft starter		A	421	457	491	524
Compressors / circuits			6/2			
Sound power level	(3)(E)	dB(A)	94	94	94	94
Sound power level quiet version	(3)	dB(A)	82	83	83	84
Sound power level, low-noise version	(3)	dB(A)	88	89	89	90
Weight without options		kg	2592	2689	2648	2752

- (1) Water temperature - user side 12°C / 7°C, water temperature - dissipation side 30°C / 35°C (EN14511:2022)
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(3) Sound power level measured according to ISO 9614
(E) EUROVENT certified data

Water chillers and HP with Low GWP refrigerant WLE

WLE H REVERSIBLE HEAT PUMPS TECHNICAL DATA

WLE			052	062	072	082	092	122	132	
Power supply		V-ph-Hz	400/3N/50							
Cooling capacity	(1)(E)	kW	44,9	55,6	65,4	76,4	85,7	114	130	
Total power input	(1)(E)	kW	11,6	13,9	16,1	18,9	20,6	28,3	32,0	
EER	(1)(E)		3,87	4,00	4,06	4,04	4,16	4,04	4,07	
SEER	(2)(E)		5,64	5,89	5,93	5,69	5,86	5,72	5,71	
Water flow user side	(1)	l/h	7733	9570	11263	13152	14752	19655	22430	
Water pressure drop user side	(1)(E)	kPa	31	45	44	44	43	44	35	
Water flow source side	(1)	l/h	9628	11798	13857	16198	18082	24237	27671	
Water pressure drop source side	(1)(E)	kPa	49	71	68	68	66	67	54	
Heating capacity	(3)(E)	kW	52,0	66,0	78,0	91,0	100	135	153	
Total power input	(3)(E)	kW	14,1	17,6	20,2	22,5	24,9	34,1	38,7	
COP	(3)(E)		3,70	3,77	3,85	4,03	4,00	3,96	3,95	
Heating energy efficiency class	(4)		A+++							
SCOP	(2)(E)		5,41	5,49	5,52	5,45	5,23	5,48	5,52	
Water flow user side	(3)	l/h	9048	11481	13451	15697	17258	23403	26532	
Water pressure drop user side	(3)(E)	kPa	44	68	64	65	60	63	50	
Water flow source side	(3)	l/h	11247	14471	17045	20155	22073	29829	33678	
Water pressure drop source side	(3)(E)	kPa	61	95	93	96	88	93	72	
Maximum current absorption		A	29,0	36,0	42,0	49,0	57,0	72,0	81,0	
Start up current		A	112	161	211	218	178	288	296	
Startup current with soft starter		A	67	97	127	131	107	173	178	
Compressors / circuits			2/1							
Sound power level	(5)(E)	dB(A)	73	75	76	77	80	80	82	
Sound power level, low-noise version	(5)	dB(A)	67	69	70	71	74	74	76	
Sound power level quiet version	(5)	dB(A)	61	63	64	65	68	68	70	
Weight without options		kg	315	334	353	371	418	572	635	

WLE			152	154	182	184	212	214	242	
Power supply		V-ph-Hz	400/3N/50							
Cooling capacity	(1)(E)	kW	149	145	174	177	204	203	230	
Total power input	(1)(E)	kW	37,0	36,3	42,4	43,7	49,1	51,2	54,4	
EER	(1)(E)		4,02	4,00	4,11	4,05	4,16	3,96	4,23	
SEER	(2)(E)		5,97	5,46	6,00	6,38	5,75	6,02	5,69	
Water flow user side	(1)	l/h	25587	24972	29949	30431	35122	34845	39546	
Water pressure drop user side	(1)(E)	kPa	44	25	28	35	38	37	47	
Water flow source side	(1)	l/h	31604	30973	36938	37608	43180	43251	48433	
Water pressure drop source side	(1)(E)	kPa	69	39	44	55	59	59	72	
Heating capacity	(3)(E)	kW	173	169	203	207	245	238	269	
Total power input	(3)(E)	kW	44,0	42,7	50,2	51,6	59,3	59,1	65,2	
COP	(3)(E)		3,93	3,95	4,04	4,00	4,12	4,02	4,13	
Heating energy efficiency class	(4)		A+++							
SCOP	(2)(E)		5,59	5,28	5,61	5,79	5,68	5,88	5,47	
Water flow user side	(3)	l/h	30026	29241	35166	35854	42453	41240	46757	
Water pressure drop user side	(3)(E)	kPa	63	35	41	50	57	54	68	
Water flow source side	(3)	l/h	38117	36958	44800	45642	54595	52583	60304	
Water pressure drop source side	(3)(E)	kPa	90	50	58	73	83	78	100	
Maximum current absorption		A	91,0	90,0	112	114	130	128	151	
Start up current		A	356	224	380	293	399	307	420	
Startup current with soft starter		A	214	153	228	199	239	210	252	
Compressors / circuits			2/1							
Sound power level	(5)(E)	dB(A)	87	79	87	83	89	83	89	
Sound power level, low-noise version	(5)	dB(A)	81	73	83	77	84	77	85	
Sound power level quiet version	(5)	dB(A)	75	67	77	71	78	71	79	
Weight without options		kg	706	1014	746	948	820	991	893	

(1) Water temperature - user side 12°C / 7°C, water temperature - dissipation side 30°C / 35°C (EN14511:2022)

(2) η efficiency values for heating and cooling are respectively calculated by the following formulas: $[\eta = SCOP / 2,5 - F(1) - F(2)] e [\eta = SEER / 2,5 - F(1) - F(2)]$. For further information, please refer to the technical document "ErP 2009/125/EC DIRECTIVE" in the catalogue introducing pages, or to the EN14825:2022 regulation.

(3) Water temperature - user side 40°C / 45°C, water temperature - source side 10°C / 7°C (EN14511:2022)

(4) Seasonal energy efficiency class for LOW TEMPERATURE room heating under AVERAGE climatic conditions [EUROPEAN REGULATION No 811/2013]

(5) Sound power level measured according to ISO 9614

(E) EUROVENT certified data

WLE H REVERSIBLE HEAT PUMPS TECHNICAL DATA

WLE			244	274	314	364	384	454	504
Power supply		V-ph-Hz	400/3N/50						
Cooling capacity	(1)(E)	kW	229	261	296	349	376	420	474
Total power input	(1)(E)	kW	57,3	64,7	73,9	85,1	91,0	96,2	106
EER	(1)(E)		4,00	4,03	4,01	4,11	4,14	4,37	4,46
SEER	(2)(E)		6,05	5,99	6,31	6,29	6,02	6,61	6,67
Water flow user side	(1)	l/h	39448	44776	50946	60069	64702	72203	81499
Water pressure drop user side	(1)(E)	kPa	41	42	41	44	44	25	31
Water flow source side	(1)	l/h	48841	55392	63082	74035	79646	88222	99146
Water pressure drop source side	(1)(E)	kPa	63	65	66	68	68	44	54
Heating capacity	(3)(E)	kW	265	307	349	405	438	484	541
Total power input	(3)(E)	kW	66,2	75,8	85,5	99,1	107	116	128
COP	(3)(E)		4,01	4,04	4,08	4,09	4,11	4,16	4,22
Heating energy efficiency class	(4)		A+++						
SCOP	(2)(E)		5,85	5,82	5,91	5,85	5,74	6,11	6,06
Water flow user side	(3)	l/h	46051	53227	60587	70288	75962	83958	93908
Water pressure drop user side	(3)(E)	kPa	56	61	61	62	63	41	49
Water flow source side	(3)	l/h	58716	68084	77680	90152	97599	107671	121103
Water pressure drop source side	(3)(E)	kPa	84	90	88	91	93	52	63
Maximum current absorption		A	144	161	182	224	240	261	303
Start up current		A	360	377	447	492	508	529	571
Startup current with soft starter		A	244	259	305	340	353	369	403
Compressors / circuits			4/2						
Sound power level	(5)(E)	dB(A)	83	85	90	90	90	92	92
Sound power level, low-noise version	(5)	dB(A)	77	79	84	86	86	87	88
Sound power level quiet version	(5)	dB(A)	71	73	78	80	80	81	82
Weight without options		kg	1012	1121	1425	1523	1555	1959	2008

(1) Water temperature - user side 12°C / 7°C, water temperature - dissipation side 30°C / 35°C (EN14511:2022)

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(3) Water temperature - user side 40°C / 45°C, water temperature - source side 10°C / 7°C (EN14511:2022)

(4) Seasonal energy efficiency class for LOW TEMPERATURE room heating under AVERAGE climatic conditions [EUROPEAN REGULATION No 811/2013]

(5) Sound power level measured according to ISO 9614

(E) EUROVENT certified data

Water chillers and HP with Low GWP refrigerant WLE

WLE H REVERSIBLE HEAT PUMPS TECHNICAL DATA

WLE			606	636	696	746
Power supply		V-ph-Hz	400/3N/50			
Cooling capacity	(1)(E)	kW	543	597	650	700
Total power input	(1)(E)	kW	129	141	151	167
EER	(1)(E)		4,20	4,24	4,29	4,19
SEER	(2)(E)		6,59	6,63	6,62	6,70
Water flow user side	(1)	l/h	93295	102590	111672	120233
Water pressure drop user side	(1)(E)	kPa	36	41	50	57
Water flow source side	(1)	l/h	114637	125788	136556	147523
Water pressure drop source side	(1)(E)	kPa	62	68	70	80
Heating capacity	(3)(E)	kW	632	695	765	825
Total power input	(3)(E)	kW	156	170	186	199
COP	(3)(E)		4,06	4,09	4,11	4,15
Heating energy efficiency class	(4)		A+++			
SCOP	(2)(E)		6,15	6,03	6,01	6,19
Water flow user side	(3)	l/h	109766	120603	132795	143252
Water pressure drop user side	(3)(E)	kPa	57	63	67	76
Water flow source side	(3)	l/h	140216	154510	170722	185132
Water pressure drop source side	(3)(E)	kPa	76	86	107	124
Maximum current absorption		A	328	370	412	454
Start up current		A	593	638	680	722
Startup current with soft starter		A	421	457	491	524
Compressors / circuits			6/2			
Sound power level	(5)(E)	dB(A)	94	94	94	94
Sound power level, low-noise version	(5)	dB(A)	88	89	89	90
Sound power level quiet version	(5)	dB(A)	82	83	83	84
Weight without options		kg	2669	2775	2734	2838

(1) Water temperature - user side 12°C / 7°C, water temperature - dissipation side 30°C / 35°C (EN14511:2022)

(2) η efficiency values for heating and cooling are respectively calculated by the following formulas: $[\eta = SCOP / 2,5 - F(1) - F(2)]$ e $[\eta = SEER / 2,5 - F(1) - F(2)]$. For further information, please refer to the technical document "ErP 2009/125/EC DIRECTIVE" in the catalogue introducing pages, or to the EN14825:2022 regulation.

(3) Water temperature - user side 40°C / 45°C, water temperature - source side 10°C / 7°C (EN14511:2022)

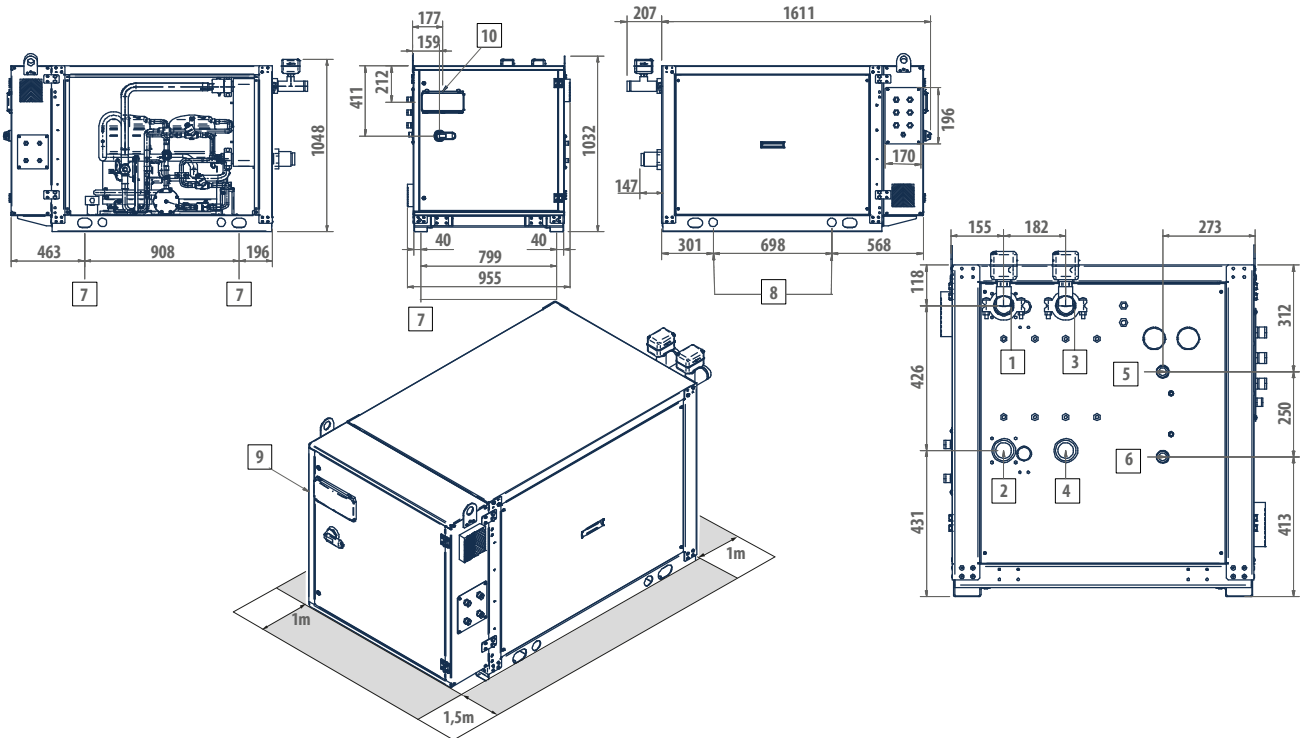
(4) Seasonal energy efficiency class for LOW TEMPERATURE room heating under AVERAGE climatic conditions [EUROPEAN REGULATION No 811/2013]

(5) Sound power level measured according to ISO 9614

(E) EUROVENT certified data

DIMENSIONAL DRAWINGS

WLE 52 - 92



LEGEND WLE C

1	Dissipation side - outlet (Victaulic 2")
2	Dissipation side - inlet Victaulic (Victaulic 2")
3	User side - inlet (Victaulic 2")
4	User side - outlet (Victaulic 2")
5	De-superheater water outlet 1"
6	Desuperheater water inlet 1"
7	Vibration dumpers
8	Lifting points
9	Power supply input
10	User interface

CHILLER FLOW SWITH POSITION: 2-3

CLOSING PANELLING AVAILABLE ON REQUEST

LEGEND WLE H

1	Dissipation side - inlet Victaulic (Victaulic 2")
2	Dissipation side - outlet (Victaulic 2")
3	User side - inlet (Victaulic 2")
4	User side - outlet (Victaulic 2")
5	De-superheater water outlet 1"
6	Desuperheater water inlet 1"
7	Vibration dumpers
8	Lifting points
9	Power supply input
10	User interface

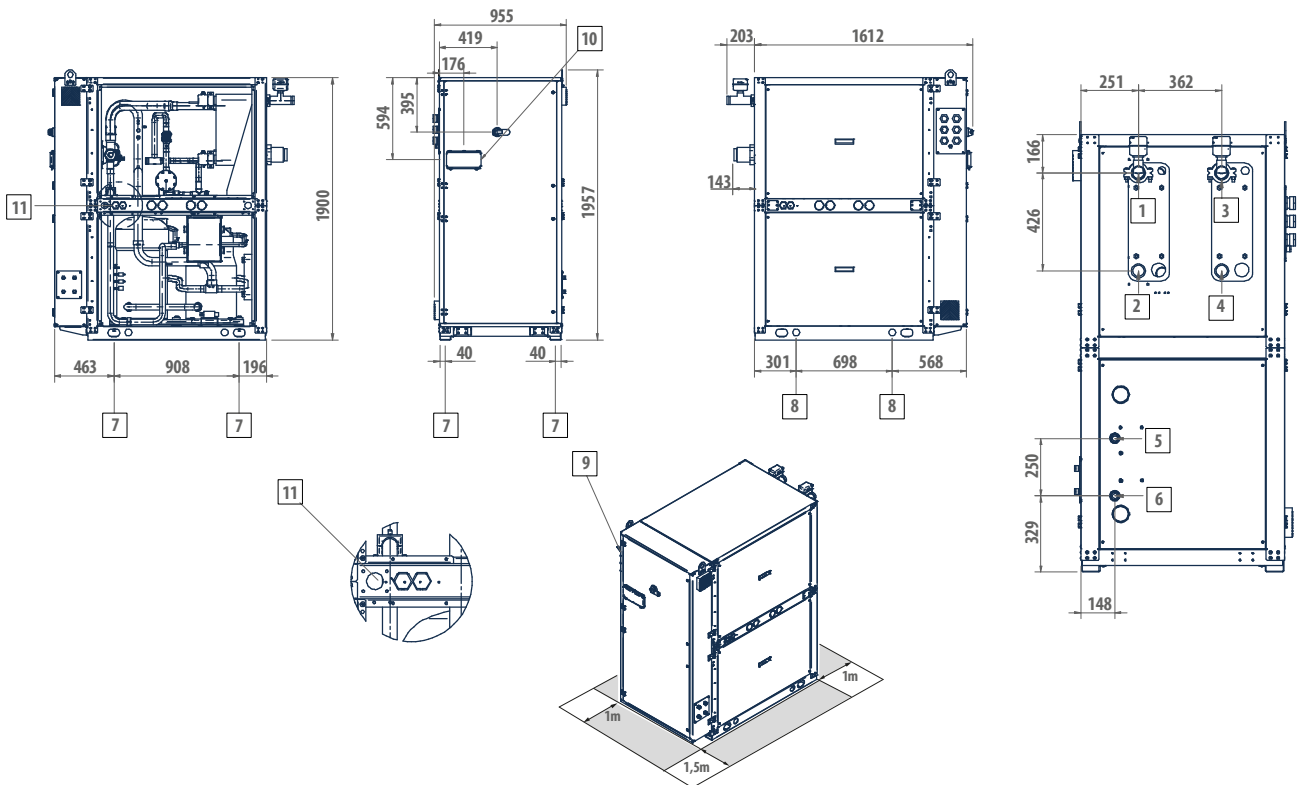
HEAT PUMP FLOW SWITH POSITION: 1-3

CLOSING PANELLING AVAILABLE ON REQUEST

Water chillers and HP with Low GWP refrigerant WLE

DIMENSIONAL DRAWINGS

WLE 122 - 152



LEGEND WLE C

1	Dissipation side - outlet (Victaulic 2")
2	Dissipation side - inlet Victaulic (Victaulic 2")
3	User side - inlet (Victaulic 2")
4	User side - outlet (Victaulic 2")
5	De-superheater water outlet 1"
6	Desuperheater water inlet 1"
7	Vibration dumpers
8	Lifting points
9	Power supply input
10	User interface
11	Outlet safety valve G. 3/4" F (only 152)

CHILLER FLOW SWITH POSITION: 2-3

CLOSING PANELLING AVAILABLE ON REQUEST

LEGEND WLE H

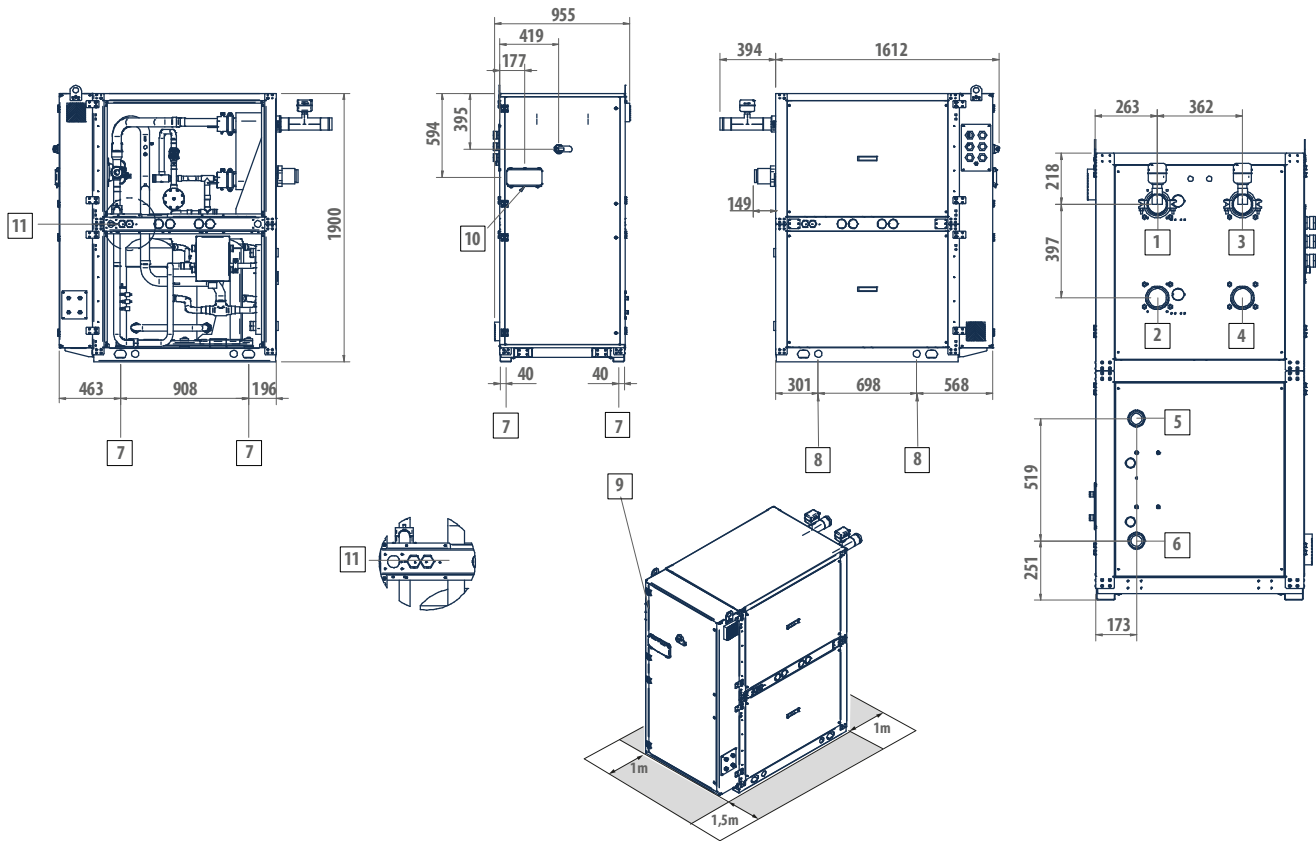
1	Dissipation side - inlet Victaulic (Victaulic 2")
2	Dissipation side - outlet (Victaulic 2")
3	User side - inlet (Victaulic 2")
4	User side - outlet (Victaulic 2")
5	De-superheater water outlet 1"
6	Desuperheater water inlet 1"
7	Vibration dumpers
8	Lifting points
9	Power supply input
10	User interface
11	Outlet safety valve G. 3/4" F (only 152)

HEAT PUMP FLOW SWITH POSITION: 1-3

CLOSING PANELLING AVAILABLE ON REQUEST

DIMENSIONAL DRAWINGS

WLE 182-242



LEGEND WLE C

1	Dissipation side - outlet (Victaulic 3")
2	Dissipation side - inlet (Victaulic 3")
3	User side - inlet (Victaulic 3")
4	User side - outlet (Victaulic 3")
5	De-superheater water outlet 2"
6	Desuperheater water inlet 2"
7	Vibration dumpers
8	Lifting points
9	Power supply input
10	User interface
11	Outlet safety valve G. 3/4" F

CHILLER FLOW SWITH POSITION: 2-3

CLOSING PANELLING AVAILABLE ON REQUEST

LEGEND WLE H

1	Dissipation side - inlet (Victaulic 3")
2	Dissipation side - outlet (Victaulic 3")
3	User side - inlet (Victaulic 3")
4	User side - outlet (Victaulic 3")
5	De-superheater water outlet 2"
6	Desuperheater water inlet 2"
7	Vibration dumpers
8	Lifting points
9	Power supply input
10	User inter face
11	Outlet safety valve G. 3/4" F

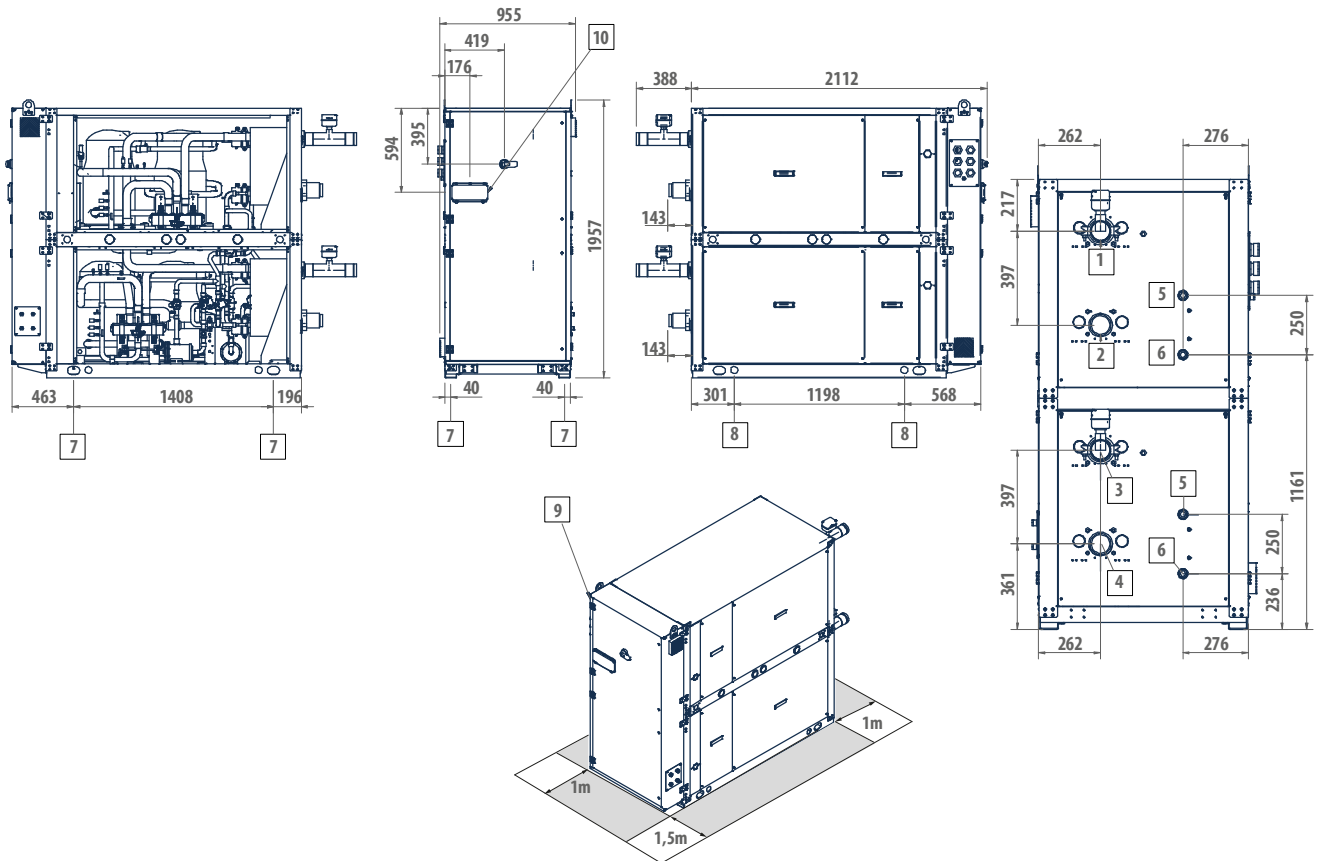
HEAT PUMP FLOW SWITH POSITION: 1-3

CLOSING PANELLING AVAILABLE ON REQUEST

Water chillers and HP with Low GWP refrigerant WLE

DIMENSIONAL DRAWINGS

WLE 154-274



LEGEND WLE C

1	User side - inlet (Victaulic 3")
2	User side - outlet (Victaulic 3")
3	Dissipation side - outlet (Victaulic 3")
4	Dissipation side - inlet (Victaulic 3")
5	De-superheater water outlet 2"
6	Desuperheater water inlet 2"
7	Vibration dumpers
8	Lifting points
9	Power supply input
10	User interface

CHILLER FLOW SWITCH POSITION: 1-4

CLOSING PANELLING AVAILABLE ON REQUEST

LEGEND WLE H

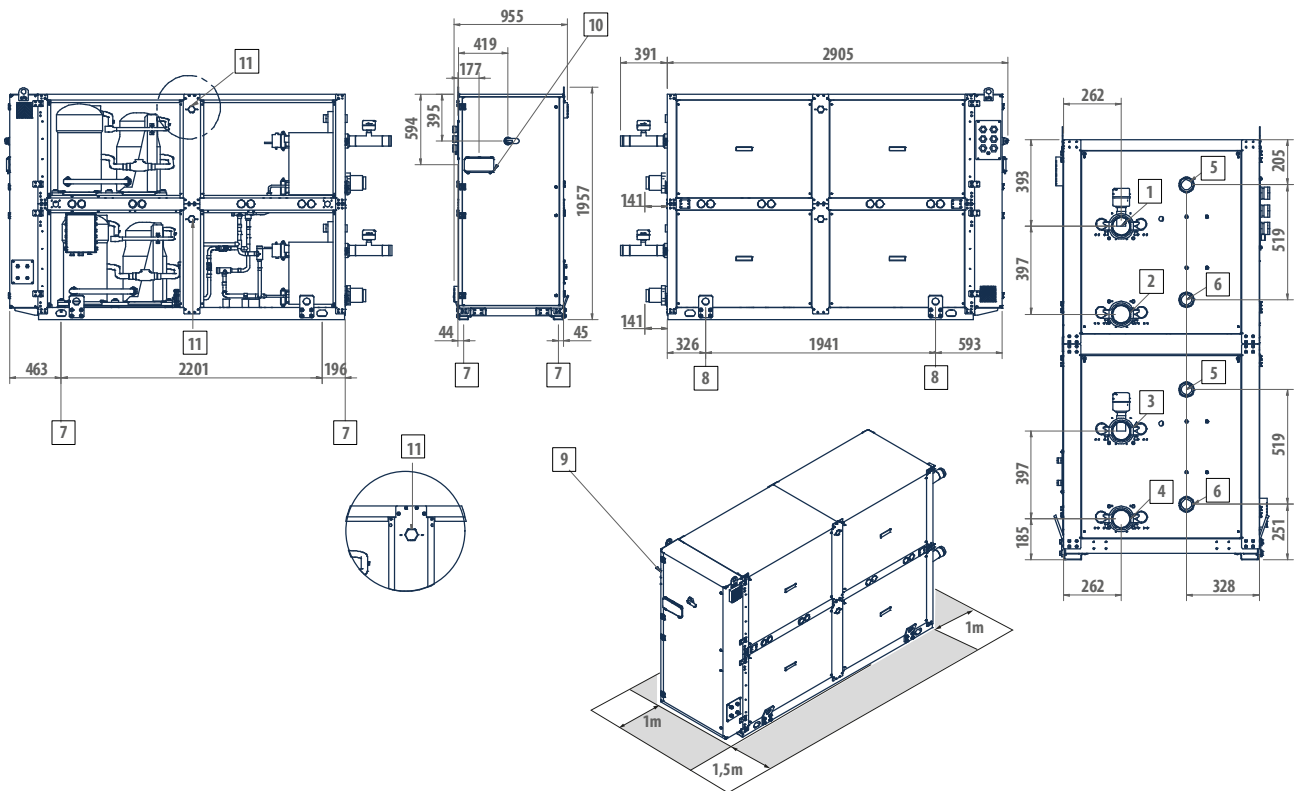
1	User side - inlet (Victaulic 3")
2	User side - outlet (Victaulic 3")
3	Dissipation side - inlet (Victaulic 3")
4	Dissipation side - outlet (Victaulic 3")
5	De-superheater water outlet 2"
6	Desuperheater water inlet 2"
7	Vibration dumpers
8	Lifting points
9	Power supply input
10	User interface

HEAT PUMP FLOW SWITCH POSITION: 1-3

CLOSING PANELLING AVAILABLE ON REQUEST

DIMENSIONAL DRAWINGS

WLE 314 - 384



LEGEND WLE C

1	User side - inlet (Victaulic 3")
2	User side - outlet (Victaulic 3")
3	Dissipation side - outlet (Victaulic 3")
4	Dissipation side - inlet (Victaulic 3")
5	De-superheater water outlet 2"
6	Desuperheater water inlet 2"
7	Vibration dumpers
8	Lifting points
9	Power supply input
10	User interface
11	Outlet safety valve G. 1" F

CHILLER FLOW SWITH POSITION: 1-4

CLOSING PANELLING AVAILABLE ON REQUEST

LEGEND WLE H

1	User side - inlet (Victaulic 3")
2	User side - outlet (Victaulic 3")
3	Dissipation side - inlet (Victaulic 3")
4	Dissipation side - outlet (Victaulic 3")
5	De-superheater water outlet 2"
6	Desuperheater water inlet 2"
7	Vibration dumpers
8	Lifting points
9	Power supply input
10	User inter face
11	Outlet safety valve G. 1" F

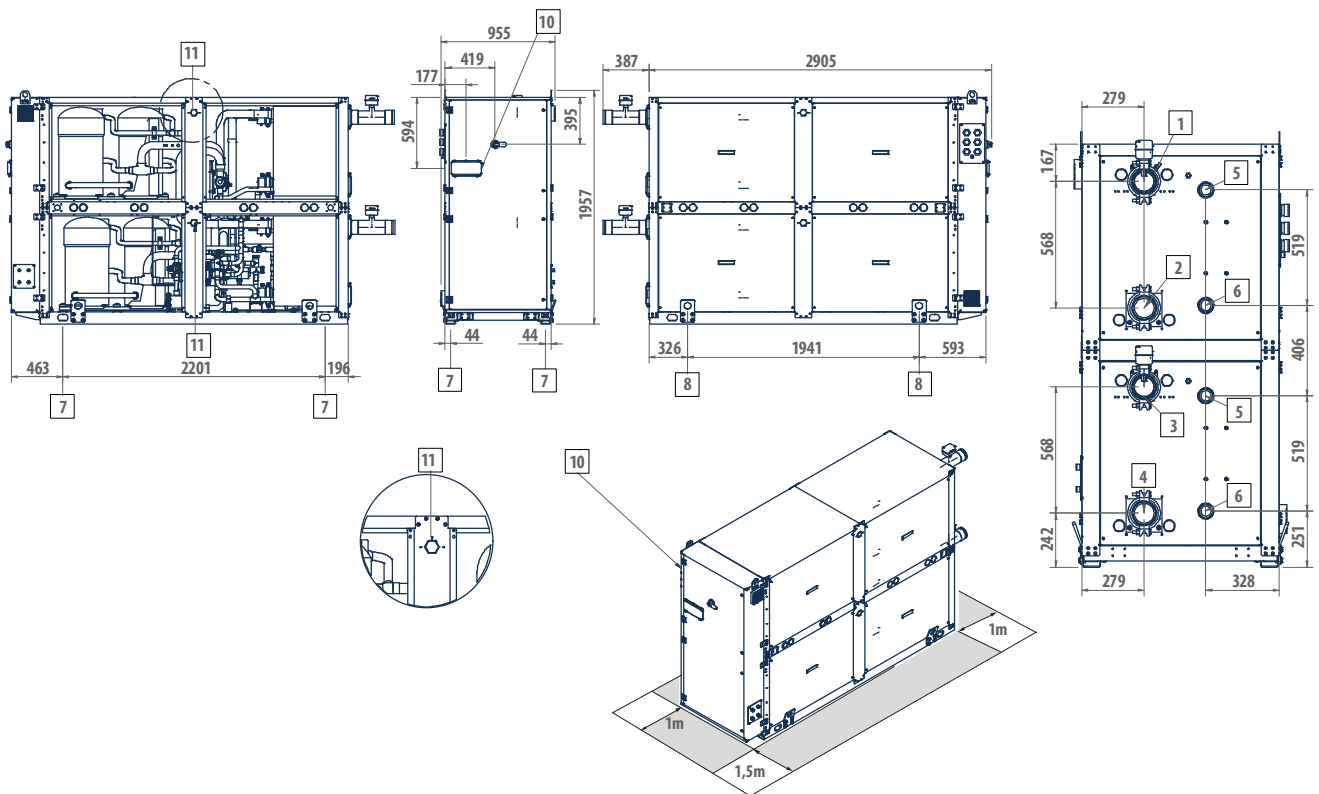
HEAT PUMP FLOW SWITH POSITION: 1-3

CLOSING PANELLING AVAILABLE ON REQUEST

Water chillers and HP with Low GWP refrigerant WLE

DIMENSIONAL DRAWINGS

WLE 454 - 504



LEGEND WLE C

1	User side - inlet (Victaulic 4")
2	User side - outlet (Victaulic 4")
3	Dissipation side - outlet (Victaulic 4")
4	Dissipation side - inlet (Victaulic 4")
5	De-superheater water outlet 2"
6	Desuperheater water inlet 2"
7	Vibration dumpers
8	Lifting points
9	Power supply input
10	User interface
11	Outlet safety valve G. 1" F

CHILLER FLOW SWITCH POSITION: 1-4

CLOSING PANELLING AVAILABLE ON REQUEST

LEGEND WLE H

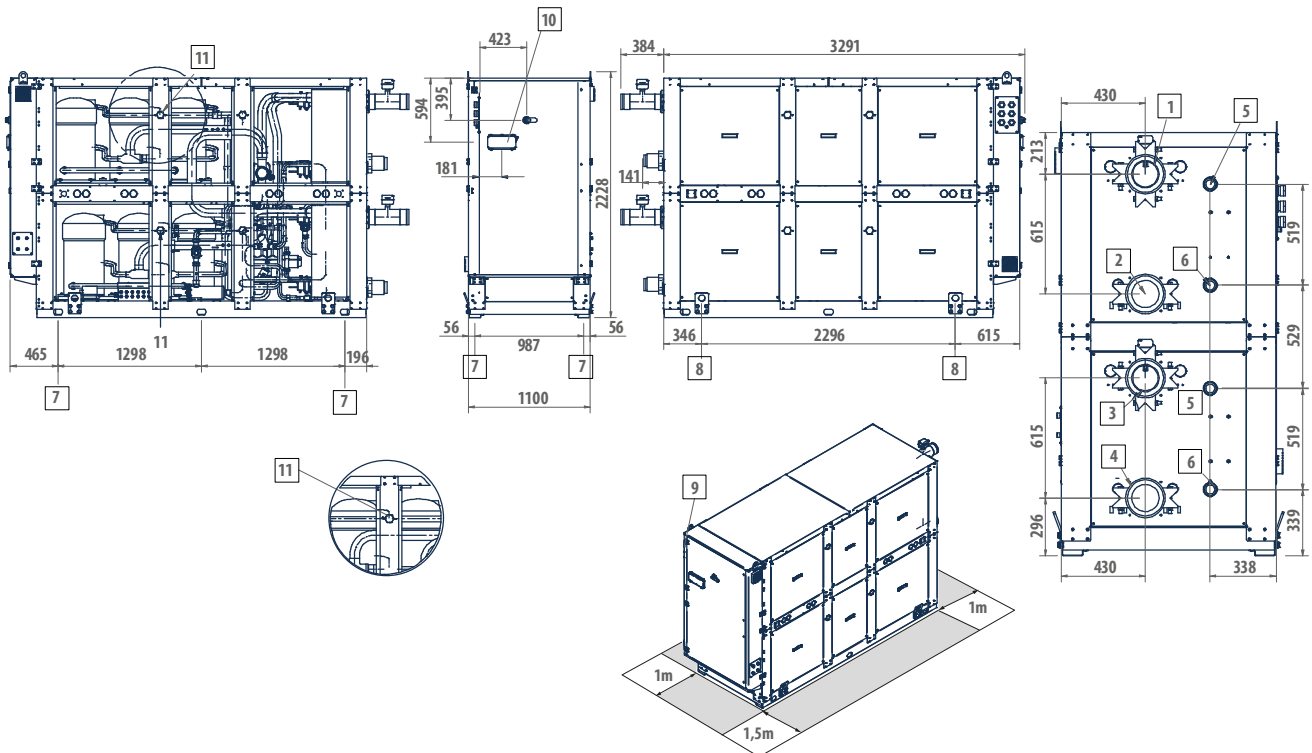
1	User side - inlet (Victaulic 4")
2	User side - outlet (Victaulic 4")
3	Dissipation side - inlet (Victaulic 4")
4	Dissipation side - outlet (Victaulic 4")
5	De-superheater water outlet 2"
6	Desuperheater water inlet 2"
7	Vibration dumpers
8	Lifting points
9	Power supply input
10	User interface
11	Outlet safety valve G. 1" F

HEAT PUMP FLOW SWITCH POSITION: 1-3

CLOSING PANELLING AVAILABLE ON REQUEST

DIMENSIONAL DRAWINGS

WLE 606 - 746



LEGEND WLE C

1	User side - inlet (Victaulic 5")
2	User side - outlet (Victaulic 5")
3	Dissipation side - outlet (Victaulic 5")
4	Dissipation side - inlet (Victaulic 5")
5	De-superheater water outlet 2"
6	Desuperheater water inlet 2"
7	Vibration dumpers
8	Lifting points
9	Power supply input
10	User interface
11	Outlet safety valve G. 1" 1/4 F

CHILLER FLOW SWITH POSITION: 1-4

CLOSING PANELLING AVAILABLE ON REQUEST

LEGEND WLE H

1	User side - inlet (Victaulic 5")
2	User side - outlet (Victaulic 5")
3	Dissipation side - inlet (Victaulic 5")
4	Dissipation side - outlet (Victaulic 5")
5	De-superheater water outlet 2"
6	Desuperheater water inlet 2"
7	Vibration dumpers
8	Lifting points
9	Power supply input
10	User interface
11	Outlet safety valve G. 1" 1/4 F

HEAT PUMP FLOW SWITH POSITION: 1-3

CLOSING PANELLING AVAILABLE ON REQUEST