

HYDRO-SPLIT BOX

Wall-mounted indoor unit for Hydro-split systems



Energy saving



Solar integration (DHW tank - optional)



Cascade



€-Switch

Comfort



Hot Cold



DHW



Silent

Convenience



Weekkey Timer



Instant DHW (Hybrid Version)



Contemporaneity (Hybrid Version)



Integrated DHW tank

Management and connectivity



Input ON/OFF



Port Modbus



Control via App



CONTROL4 NRG management



User interface/thermostat



Clivet Eye monitoring

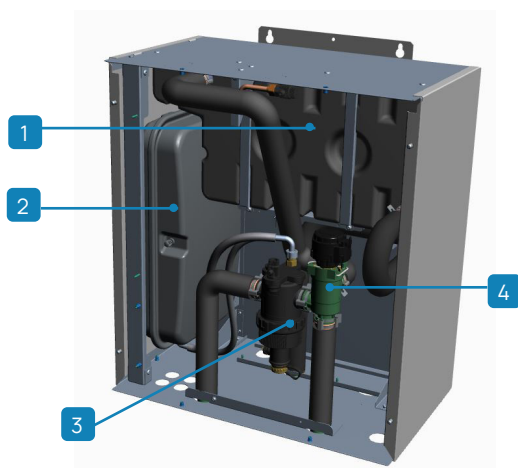
Reliability



Backup heater (optional)



- ✓ Compact module
- ✓ Plug and play
- ✓ Complete (filter - 3-way - inertial)
- ✓ Intuitive connections
- ✓ Dirt separator filter, 3-way DHW valve



- 1 15-litre inertial tank
- 2 12-litre system expansion tank
- 3 Magnetic dirt separator filter
- 4 3-way valve for DHW

Universal

The BOX version is the hydraulic module similar in size to a boiler that can house the hydraulic components to connect the heat pump to the heating and cooling system. Ready to be combined with the EDGE EVO 2.0 and Edge F range of packaged heat pumps from size 2.1 to 8.1, for a high-level heating and cooling system.



Configurations

CONTROL:

HMIR32	Can be combined with EDGE EVO 2.0
HMIR290	Can be combined with EDGE F and EDGE PRO

Hybrid version in combination with Clivet FE boiler

Interior accessories

	EH246X	Additional electric heater adjustable to three capacities of 2, 4 or 6 kW		KIR2HX	Hydraulic kit for managing two areas with the same temperature
	EH9X	Additional electric heater adjustable to one capacity of 9 kW		KIR2HLX	Hydraulic kit for managing two areas with high and mixed temperature
	KCSIX	Secondary circuit kit (1L hydraulic circuit breaker + pump)		SOLX	DHW plate exchanger kit for solar thermal connection
				SICGX	Intermediate exchanger for clean separation between primary and secondary circuit

External accessories

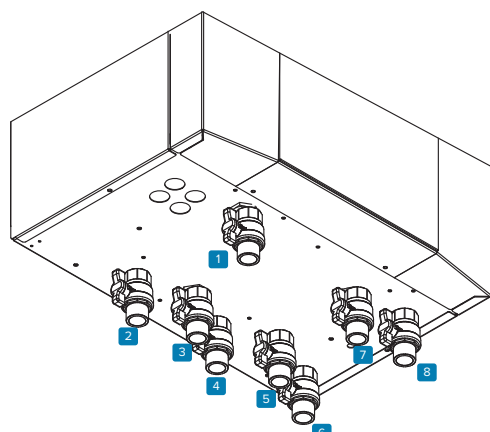
	ACS200X	200 liter DHW tank		T1BX	Water temperature probe 10 m	
	ACS300X	300 liter DHW tank		T1B30X	Water temperature probe 30 m	
	ACS500X	500 liter DHW tank		VDACSX	Thermostatic switching valve ACS	
	SCS08X	Solar coil for boilers ACS ACS200X/ACS300X			KISX	Simplified installation kit with fittings for BOX
	SCS12X	Solar coil for boiler ACS ACS500X			HTC2WX	White HID-TConnect2 chronothermostat for temperature control
	ACI40X	System inertial tank 40 litres		SWCX	Receiver / switch IoT SwitchConnect	
	ANEDX	Electronic anode				
	KCAIAX	Water tank connection kit Additional Buffer Tank				

Technical data - BOX version+ EDGE EVO 2.0

Size - Set					2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
Heating	Capacity	Water 35/30°C	Nominal / Maximum	kW	4,20 / 6,26	6,35 / 7,41	8,40 / 9,11	10,0 / 10,3	12,1 / 14,6	14,5 / 15,5	15,9 / 16,8
	COP	Outdoor air 7°C	Nominal	-	5,10	4,95	5,15	4,95	4,95	4,60	4,50
	Capacity	Water 35/30°C	Nominal / Maximum	kW	4,70 / 4,99	6,00 / 6,21	7,00 / 7,27	8,00 / 8,31	10,0 / 11,0	12,0 / 12,7	13,1 / 13,9
	COP	Outdoor air -7°C	Nominal	-	3,10	3,00	3,20	3,05	3,00	2,85	2,70
	Capacity	Water 45/40°C	Nominal / Maximum	kW	4,30 / 5,96	6,30 / 7,13	8,10 / 8,98	10,0 / 10,3	12,3 / 14,5	14,1 / 15,7	16,0 / 16,6
	COP	Outdoor air 7°C	Nominal	-	3,80	3,70	3,85	3,75	3,70	3,60	3,50
Cooling	Capacity	Water18/23°C	Nominal / Maximum	kW	4,50 / 7,65	6,50 / 7,65	8,30 / 11,1	9,90 / 12,0	12,0 / 15,0	13,5 / 15,3	14,2 / 16,4
	EER	Outdoor air 35°C	Nominal	-	5,50	4,80	5,05	4,55	3,95	3,61	3,61
	Capacity	Water 7/12°C	Nominal / Maximum	kW	4,70 / 6,14	7,00 / 7,11	7,45 / 7,94	8,20 / 8,67	11,5 / 11,5	12,4 / 12,4	14,0 / 14,0
	EER	Outdoor air 35°C	Nominal	-	3,45	3,00	3,35	3,25	2,75	2,50	2,50
Electrical power for meter sizing				kW	2,30	2,70	3,40	3,70	5,50	5,80	6,20
Seasonal efficiency Medium climate		Energy class	-	A++	A++	A++	A++	A++	A++	A++	A++
	Heating Water 55°C	Annual energy consumption	-	2.749	3.348	4.064	4.541	6.916	6.917	7.213	
		SCOP	-	3,31	3,52	3,37	3,47	3,45	3,47	3,41	
		ns (seasonal output)	%	129	138	131	137	135	135	133	
	Heating Water 35°C	Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++	A+++	
		Annual energy consumption	-	2.354	2.849	3.223	3.649	5.156	5.157	6.011	
		SCOP	-	4,85	4,95	5,22	5,20	4,81	4,72	4,62	
		ns (seasonal output)	%	191	195	205	205	189	186	182	
Size - Indoor unit				A	A	A	A	A	A	A	
Power supply		Voltage/Frequency/Phases		V/Hz/In°	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	
Expansion tank capacity		I		l	12	12	12	12	12	12	
Sound power		Nominal		dB(A)	41	41	41	41	41	41	41
Sound pressure @1m		Nominal		dB(A)	26	26	26	26	26	26	26
Size - Outdoor unit					2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
Power supply		Voltage/Frequency/Phases		V/Hz/In°	220-240/50/1						
Water flow-rate		Water 35/30°C	Nominal	l/s	0,20	0,30	0,40	0,48	0,58	0,69	0,76
Pump available pressure		Outdoor air 7°C	Nominal	kPa	85	84	80	71	60	48	40
Expansion tank capacity		I		l	4,8	4,8	4,8	4,8	4,8	4,8	4,8
Minimum system water content		I		l	30	30	40	40	40	40	40
Sound power		Minimum / Nominal		dB(A)	53 / 55	55 / 58	54 / 59	55 / 60	59 / 65	59 / 65	59 / 68
Sound pressure @1m		Nominal		dB(A)	45	47	48	50	53	53	57
Expansion tank capacity		I		l	4,8	4,8	4,8	4,8	4,8	4,8	4,8
Operating range											
Water supply temperature	Heating / DHW	Full electric	Minimum / Maximum	°C	25 / 65						
		Hybrid	Minimum / Maximum	°C	25 / 75						
	Cooling	-	Minimum / Maximum	°C	5 / 25						
Operating Voltage Range	Heating	-	Minimum / Maximum	°C	-25 / 35						
	DHW	-	Minimum / Maximum	°C	-25 / 43						
Outdoor air	Cooling	-	Minimum / Maximum	°C	-5 / 43						

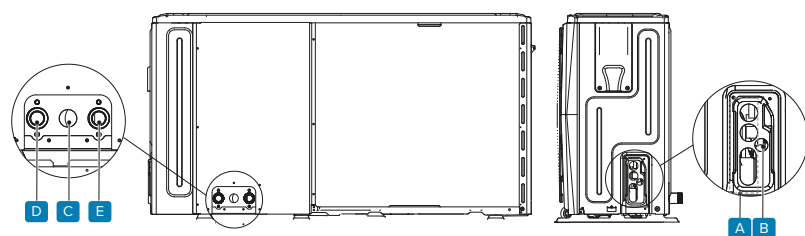
Dimensions and connections

Size				2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
Dimensions	Indoor unit	AxCxB	mm	547x604x386	547x604x386	547x604x386	547x604x386	547x604x386	547x604x386	547x604x386
	Outdoor unit	AxCxB	mm	1.295x717x400	1.295x717x400	1.385x864x445	1.385x864x445	1.385x864x445	1.385x864x445	1.385x864x445
Operating weight	Indoor unit			47						
	Outdoor unit			86			105		129 - 144	
Refrigerant precharge			type / GWP	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675
			kg	1,40	1,40	1,40	1,40	1,75	1,75	1,75
			CO ₂ tons	0,95	0,95	0,95	0,95	1,18	1,18	1,18
External diameters	Indoor unit	Water (System)	inch	1"	1"	1"	1"	1"	1"	1"
	Outdoor unit	Water (System)	inch	1"	1"	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4

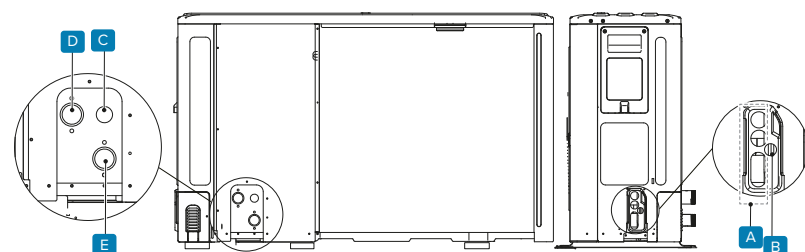


- 1 Water supply from outdoor unit 1"
- 2 Area 1 system return - 1"
- 3 Area 1 system supply - 1"
- 4 Area 2 system return - 1" (optional)
- 5 Area 2 system supply - 1" (optional)
- 6 Water return to outdoor unit 1"
- 7 DHW exchanger return (with optional water tank)
- 8 DHW exchanger supply (with optional water tank)

SIZES 2.1 to 3.1

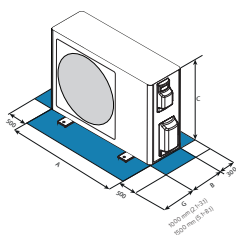
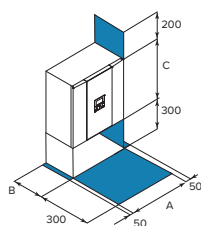


SIZES 4.1 to 8.1



- 1 Hole for high voltage cable (power supply)
Hole for low pressure cable (control and signal
cables)
- 2 Hole for discharge pipe
- 3 Water outlet
- 4 Water inlet
- 5

HQCN-NEE 1 BC
Indoor unit (IDU)



WiSAN-YME 1 S
Outdoor unit (ODU)

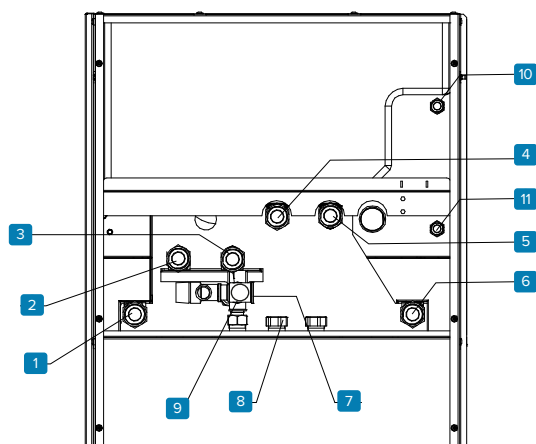
Technical data - BOX version + EDGE F

Size - Set					2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
Heating	Capacity	Water 35/30°C	Nominal / Maximum	kW	4,50 / 6,86	6,20 / 7,70	8,40 / 10,4	10,0 / 11,0	12,0 / 14,7	14,0 / 16,0	15,0 / 17,6
	COP	Outdoor air 7°C	Nominal	-	5,15	4,90	5,00	4,70	4,80	4,50	4,40
	Capacity	Water 35/30°C	Nominal / Maximum	kW	4,50 / 5,56	5,90 / 6,18	7,00 / 8,74	8,00 / 8,89	10,0 / 11,1	11,5 / 12,1	12,7 / 13,2
	COP	Outdoor air -7°C	Nominal	-	3,10	2,95	3,00	2,85	2,80	2,70	2,50
	Capacity	Water 45/40°C	Nominal / Maximum	kW	4,50 / 6,55	6,40 / 7,35	8,20 / 9,57	10,0 / 10,5	12,0 / 14,1	14,0 / 15,3	15,0 / 16,9
	COP	Outdoor air 7°C	Nominal	-	4,05	3,80	3,85	3,65	3,70	3,50	3,35
Cooling	Capacity	Water18/23°C	Nominal / Maximum	kW	4,90 / 7,84	5,90 / 9,75	8,30 / 11,4	10,0 / 12,1	12,0 / 16,4	14,0 / 17,3	16,0 / 18,6
	EER	Outdoor air 35°C	Nominal	-	5,50	5,10	5,15	4,75	4,50	4,20	3,90
	Capacity	Water 7/12°C	Nominal / Maximum	kW	4,70 / 5,66	6,80 / 7,14	7,50 / 8,19	8,90 / 8,90	11,5 / 12,0	12,7 / 12,7	14,0 / 14,3
	EER	Outdoor air 35°C	Nominal	-	3,65	3,10	3,45	3,25	3,05	2,90	2,75
Electrical power for meter sizing				kW	2,70	3,00	3,60	3,90	5,70	6,00	6,40
Seasonal efficiency Medium climate	Heating Water 55°C	Energy class	-	A++	A++	A++	A++	A++	A++	A++	A++
		Annual energy consumption	-	2.684	3.164	3.676	4.215	6.847	7.414	8.349	
		SCOP	-	3,79	3,82	3,82	3,82	3,62	3,62	3,57	
	Heating Water 35°C	ns (seasonal output)	%	148,7	149,7	149,7	149,8	141,8	141,9	139,9	
		Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++	A+++	
		Annual energy consumption	-	2.040	2.692	3.187	3.734	5.376	6.091	6.630	
		SCOP	-	5,09	4,91	5,20	5,07	4,68	4,64	4,59	
ns (seasonal output)			%	200,7	193,5	204,8	199,8	184,0	182,4	180,6	
Size - Indoor unit				A	A	A	A	B	B	B	
Power supply		Voltage/Frequency/Phases		V/Hz/n°	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1
Expansion tank capacity				l	12	12	12	12	12	12	12
Sound power		Nominal		dB(A)	41	41	41	41	41	41	41
Sound pressure @1m		Nominal		dB(A)	26	26	26	26	26	26	26
Size - Outdoor unit					2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
Power supply		Voltage/Frequency/Phases		V/Hz/n°	230/50/1			220-240/50/1 - 380-415/50/3+N			
Water flow-rate		Water 35/30°C	Nominal	l/s	0,21	0,30	0,40	0,48	0,57	0,67	0,71
Pump available pressure		Outdoor air 7°C	Nominal	kPa	89	87	80	71	63	54	49
Expansion tank capacity				l	8	8	8	8	8	8	8
Minimum system water content				l	30	30	40	40	40	40	40
Sound power		Minimum / Nominal		dB(A)	51 / 56	53 / 58	55 / 60	56 / 61	58 / 65	59 / 65	60 / 69
Sound pressure @1m		Minimum / Nominal		dB(A)	40 / 44	42 / 46	42 / 48	43 / 49	43 / 51	44 / 52	48 / 56
Operating range											
Water supply temperature	Heating / DHW	Full electric	Minimum / Maximum	°C				25 / 75			
		Hybrid	Minimum / Maximum	°C				25 / 75			
	Cooling	-	Minimum / Maximum	°C				5 / 25			
Operating Voltage Range	Heating	-	Minimum / Maximum	°C				-25 / 35			
	DHW	-	Minimum / Maximum	°C				-25 / 43			
Outdoor air	Cooling	-	Minimum / Maximum	°C				-5 / 43			

Dimensions and connections

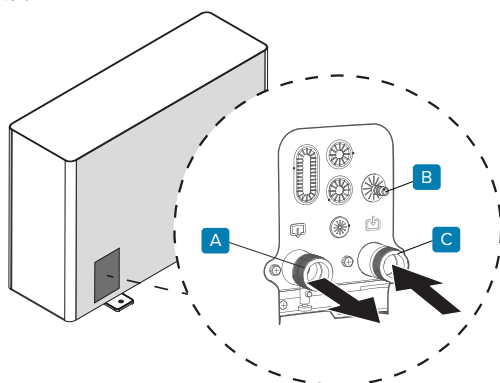
Size				2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
Dimensions	Indoor unit	AxCxB	mm	547x604x386	547x604x386	547x604x386	547x604x386	547x604x386	547x604x386	547x604x386
	Outdoor unit	AxCxB	mm	1.295x718x371	1.295x718x371	1.385x865x423	1.385x865x423	1.385x865x423	1.385x865x423	1.385x865x423
Operating weight	Indoor unit		kg	52	52	52	52	52	52	52
	Outdoor unit		kg	90	90	117	117	135	135	135
Refrigerant precharge			type / GWP	R-290 / 0.02	R-290 / 0.02	R-290 / 0.02	R-290 / 0.02	R-290 / 0.02	R-290 / 0.02	R-290 / 0.02
			kg	0,70	0,70	1,10	1,10	1,25	1,25	1,25
			CO ₂ tons	0,002	0,002	0,003	0,003	0,004	0,004	0,004
External diameters	Indoor unit	Water (System)	inch	1"	1"	1"	1"	1"	1"	1"
	Outdoor unit	Water (System)	inch	1"	1"	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4

Connection detail



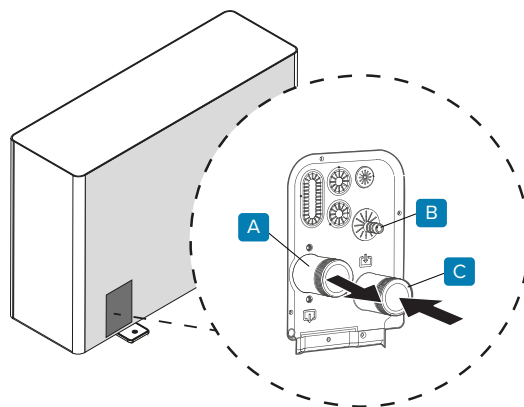
- 1 Water supply from outdoor unit 1"
- 2 Area 2 system return - 1" (optional)
- 3 Area 2 system supply - 1" (optional)
- 4 Area 1 system return - 1"
- 5 Area 1 system return - 1"
- 6 Water return to outdoor unit 1"
- 7 Water supply system inlet 1/2"
- 8 DHW recirculation 3/4"
- 9 DHW outlet 1/2"
- 10 Supply to solar system 3/4" (optional)
- 11 Return from solar system 3/4" (optional)

SIZES 2.1 to 3.1



- A 1" system supply
- B Pressure relief valve Ø 16 mm
- C 1" system return

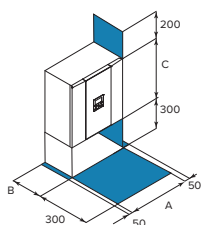
SIZES 4.1 to 8.1



- A System supply 1 1/4"
- B Pressure relief valve Ø 16 mm
- C System return 1 1/4"

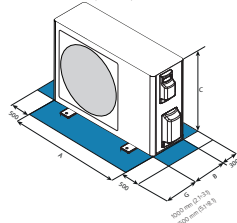
HQCN-NEE 1 BC

Indoor unit (IDU)



WiSAN-PME 1 S

Outdoor unit (ODU)



G = 1000 mm (2.1+3.1) / 1500 mm (5.1+8.1)

For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the blue areas.

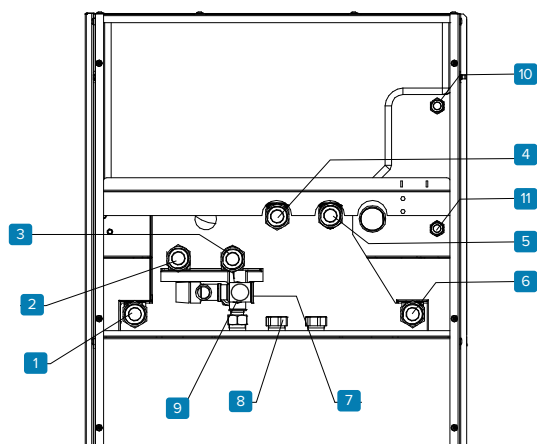
Technical data - BOX version + EDGE PRO

Size - Set					2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
Heating	Capacity	Water 35/30°C	Nominal / Maximum	kW	4,10 / 7,72	6,10 / 8,99	8,00 / 11,6	9,50 / 12,6	12,1 / 15,0	14,0 / 16,3	15,5 / 17,7
	COP	Outdoor air 7°C	Nominal	-	5,30	5,03	5,25	4,95	4,95	4,70	4,50
	Capacity	Water 35/30°C	Nominal / Maximum	kW	4,10 / 6,70	6,00 / 7,63	7,00 / 9,12	8,00 / 9,64	10,0 / 12,4	12,0 / 14,6	13,1 / 15,7
	COP	Outdoor air -7°C	Nominal	-	3,25	3,03	3,25	3,15	3,15	2,80	2,70
	Capacity	Water 45/40°C	Nominal / Maximum	kW	4,50 / 7,27	6,40 / 8,51	8,10 / 11,0	9,50 / 12,2	12,3 / 14,5	14,1 / 16,0	15,5 / 17,3
	COP	Outdoor air 7°C	Nominal	-	4,17	3,91	4,00	3,90	3,90	3,75	3,65
Cooling	Capacity	Water18/23°C	Nominal / Maximum	kW	4,50 / 8,36	6,50 / 10,8	8,30 / 11,0	10,0 / 11,9	12,0 / 17,1	14,0 / 18,2	16,0 / 18,9
	EER	Outdoor air 35°C	Nominal	-	5,65	5,51	5,25	4,60	4,60	4,40	4,25
	Capacity	Water 7/12°C	Nominal / Maximum	kW	4,70 / 6,96	6,80 / 9,03	7,50 / 9,19	8,10 / 9,90	11,5 / 13,9	12,4 / 14,9	14,0 / 16,7
	EER	Outdoor air 35°C	Nominal	-	3,65	3,10	3,35	3,10	3,05	3,00	2,70
Electrical power for meter sizing				kW	2,70	3,00	3,90	4,20	5,90	6,30	6,70
Seasonal efficiency Medium climate	Heating Water 55°C	Energy class		-	A+++	A+++	A+++	A+++	A+++	A+++	A+++
		Annual energy consumption		-	2.647	3.120	4.056	5.145	6.266	7.479	8.013
		SCOP		-	3,91	3,98	4,08	4,02	3,96	3,87	3,87
		ns (seasonal output)		%	153	156	160	158	155	152	152
	Heating Water 35°C	Energy class		-	A+++	A+++	A+++	A+++	A+++	A+++	A+++
		Annual energy consumption		-	1.984	2.460	3.095	3.889	5.014	6.069	7.009
		SCOP		-	5,10	5,00	5,35	5,33	4,94	4,76	4,72
		ns (seasonal output)		%	206	199	211	210	195	188	186
Size - Indoor unit				A							
Power supply		Voltage/Frequency/Phases		V/Hz/n°	220-240/50/1						
Expansion tank capacity				l	12						
Sound power		Nominal		dB(A)	41						
Sound pressure @1m		Nominal		dB(A)	26						
Size - Outdoor unit					2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
Power supply		Voltage/Frequency/Phases		V/Hz/n°	220-240/50/1						
Water flow-rate		Water 35/30°C	Nominal	l/s	0,20	0,30	0,40	0,50	0,60	0,70	0,70
Pump available pressure		Outdoor air 7°C	Nominal	kPa	56	56	51	51	45	42	38
Expansion tank capacity				l	48						
Minimum system water content				l	30						
Sound power		Minimum / Nominal		dB(A)	46 / 48	46 / 50	47 / 52	47 / 52	48 / 52	48 / 55	48 / 56
Sound pressure @1m		Minimum / Nominal		dB(A)	31 / 33	32 / 34	33 / 35	35 / 37	38 / 37	38 / 40	39 / 41
Operating range											
Water supply temperature	Heating / DHW	Full electric	Minimum / Maximum	°C	25 / 80						
		Hybrid	Minimum / Maximum	°C	25 / 80						
	Cooling	-	Minimum / Maximum	°C	5 / 25						
Operating Voltage Range	Heating	-	Minimum / Maximum	°C	-25 / 46						
	DHW	-	Minimum / Maximum	°C	-25 / 46						
Outdoor air	Cooling	-	Minimum / Maximum	°C	-5 / 46						

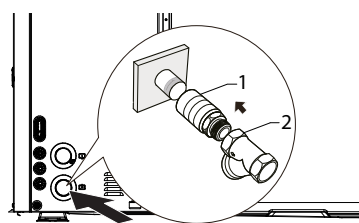
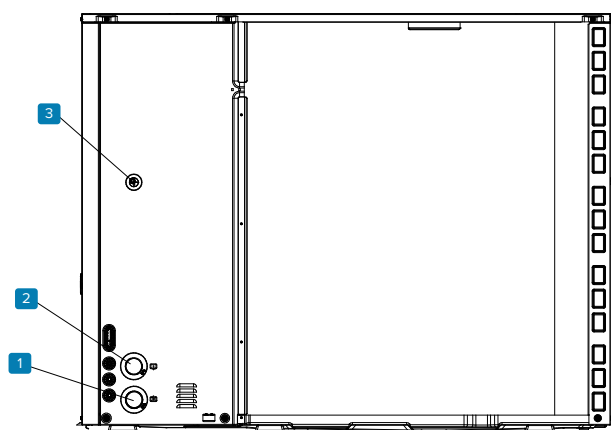
Dimensions and connections

Size				2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
Dimensions	Indoor unit	AxCxB	mm	547x604x386						
	Outdoor unit	AxCxB	mm	1.330x1.051x528						
Operating weight	Indoor unit		kg	52						
	Outdoor unit		kg	150		155 - 160			175 - 180	
Refrigerant precharge			type / GWP	R-290 / 0.02						
			kg	0,42		0,64	0,69	0,89	1,00	1,08
			CO ₂ tons		0,00002				0,00003	
			inch				1"			
External diameters	Indoor unit	Water (System)	inch	1"						
	Outdoor unit	Water (System)	inch	1" 1/4						

Connection detail

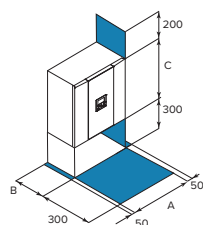


- 1 Water supply from outdoor unit 1"
- 2 Area 2 system return - 1" (optional)
- 3 Area 2 system supply - 1" (optional)
- 4 Area 1 system return - 1"
- 5 Area 1 system return - 1"
- 6 Water return to outdoor unit 1"
- 7 Water supply system inlet 1/2"
- 8 DHW recirculation 3/4"
- 9 DHW outlet 1/2"
- 10 Supply to solar system 3/4" (optional)
- 11 Return from solar system 3/4" (optional)

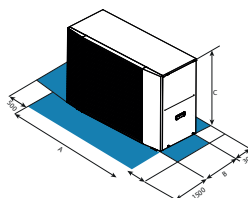


- 1 System supply 1 1/4"
- 2 System return 1 1/4"
- 3 Water side safety valve Ø 16mm

HQCN-NEE 1 BC
Indoor unit (IDU)



WiSAN-PMP 1 S
Outdoor unit (ODU)



For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the blue areas.

Single-zone system:
Heating / DHW

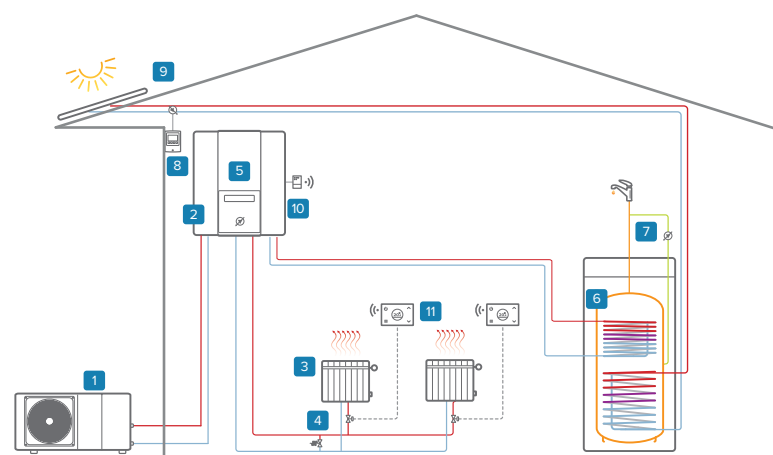
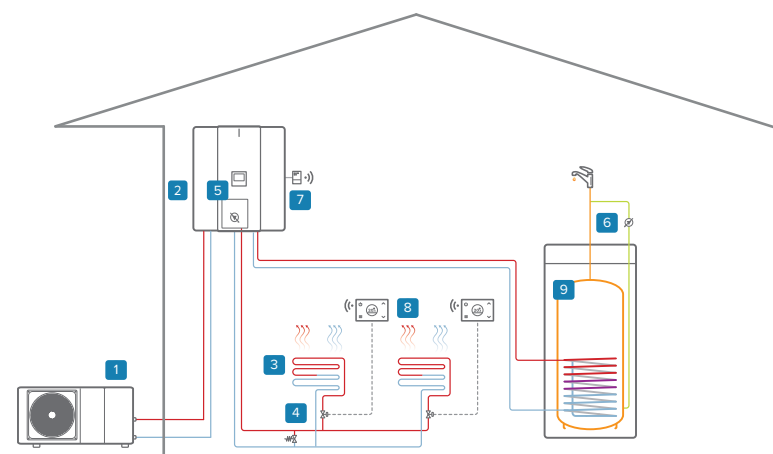
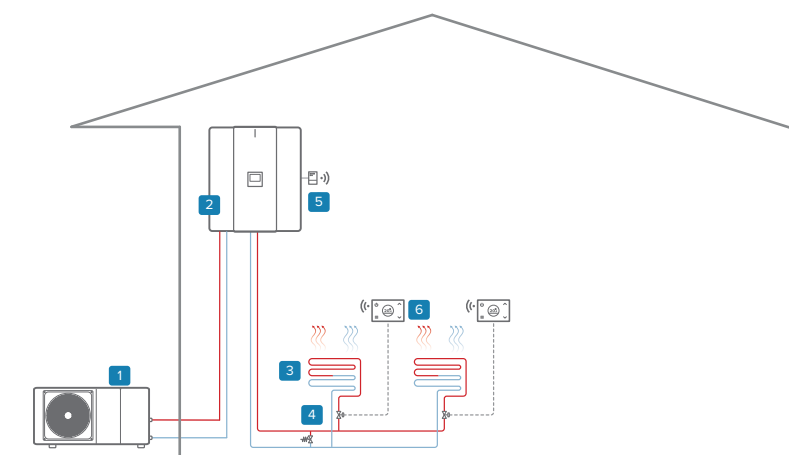
- 1 Outdoor unit
- 2 Indoor unit
- 3 Heating system
- 4 Bypass*
- 5 SwitchConnect Wi-Fi receiver
- 6 HiDTConnect2 Wi-Fi chronothermostat

Single-area system + external DHW
water tank:
Heating / DHW

- 1 Outdoor unit
- 2 Indoor unit
- 3 Heating system
- 4 Bypass*
- 5 Hydraulic separator kit + pump
- 6 DHW recirculation pump
- 7 SwitchConnect Wi-Fi receiver
- 8 HiDTConnect2 Wi-Fi chronothermostat
- 9 DHW tank

Two-area system + water tank + solar:
Heating / DHW

- 1 Outdoor unit
- 2 Indoor unit
- 3 Heating system
- 4 Bypass*
- 5 Single-area kit
- 6 DHW tank
- 7 DHW recirculation pump
- 8 Solar circulation kit
- 9 ELFOSun2 solar thermal
- 10 SwitchConnect Wi-Fi receiver
- 11 HiDTConnect2 Wi-Fi chronothermostat



The diagrams are for the sole purpose of illustrating the possible combinations of system elements.

*From external supply

