

HYDRO-SPLIT MINI

Wall-mounted indoor unit with DHW tank for Hydro-split systems



Energy saving



Solar integration
(DHW tank - optional)



€-Switch

Comfort



Hot
Cold



DHW



Silent

Convenience



Weekly Timer



Instant DHW
(Hybrid Version)



Contemporaneity
(Hybrid Version)



Integrated DHW
tank

Health



Renewable
Energy
(Full electric
version)

Management and connectivity



Input ON/
OFF



Modbus port



Control via
the App



CONTROL4 NRG
management



User interface/
thermostat



Clivet Eye
monitoring

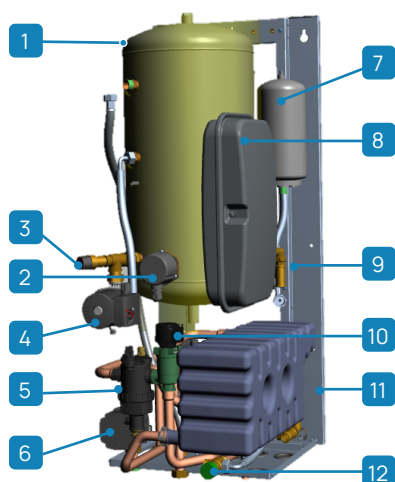
RELIABILITY



Backup heater
(optional)



- ✓ 50 l DHW storage tank
- ✓ Complete unit
- ✓ Integrated hydraulic separator
- ✓ Can be combined with EDGE outdoor units
- ✓ Reduced space requirements
- ✓ Easy installation



- 1 50-litre domestic water tank
- 2 Backup electric heater
- 3 System pressure relief valve
- 4 Domestic water circuit circulator
- 5 Magnetic deflector filter+safety valve
- 6 Hydraulic separator with secondary pump
- 7 Health expansion tank
- 8 System expansion tank
- 9 Health safety valve
- 10 Inertial tank
- 11 3-way valve for DHW
- 12 Anti-scalding valve

Configurations

CONTROL:

HMIR32 Can be combined with EDGE EVO 2.0

HMIR290 Can be combined with EDGE F and EDGE PRO

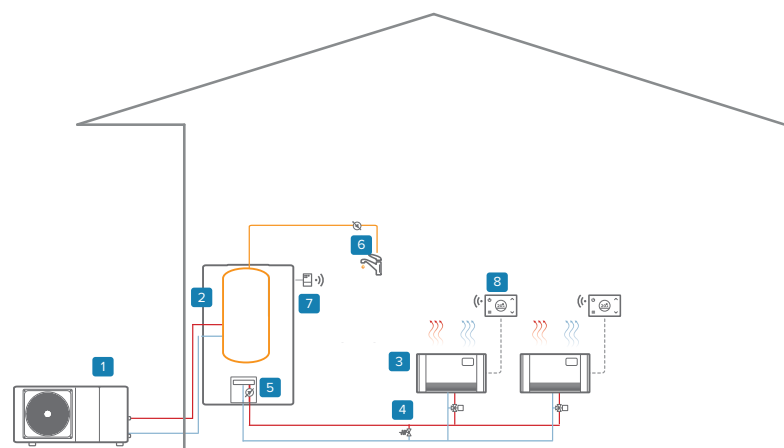
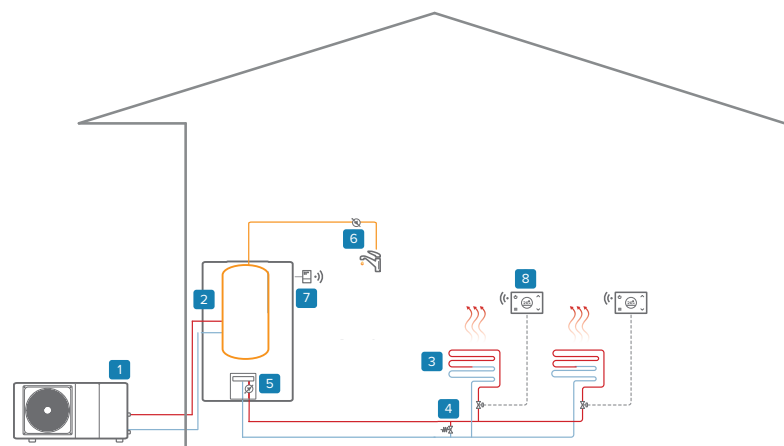
System diagrams

Single booster single-area system: Heating / DHW

- 1 Outdoor unit
- 2 Indoor unit
- 3 Heating area
- 4 Bypass*
- 5 Hydraulic separator single-area kit plus
- 6 pump
- 7 DHW recirculation pump
- 8 SwitchConnect Wi-Fi receiver
HiDTConnect2 Wi-Fi chronothermostat

Single booster single-area system: Heating / DHW

- 1 Outdoor unit
- 2 Indoor unit
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- 5 Hydraulic separator single-area kit plus pump
- 6 DHW recirculation pump
- 7 SwitchConnect Wi-Fi receiver
- 8 HiDTConnect2 Wi-Fi chronothermostat



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

*From external supply

Technical data - MINI 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
DHW	Net tank capacity			l	50						
	Water mixed at 40°C (V40)			l	62						
	Heating time			h:min	00:55	00:55	00:42	00:42		00:36	
Electrical power for meter sizing				kW	2,30	2,70	3,40	3,70	5,50	5,80	6,20
Seasonal efficiency Medium climate	Heating Water 55°C	Energy class	-	A++	A++	A++	A++	A++	A++	A++	A++
		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+++	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	
Energy class			-	A+	A+	A+	A+	A+	A+	A+	
Withdrawal profile			-	L	L	L	L	L	L	L	
Size - Indoor unit					TO						
Power supply		Voltage/Frequency/Phases		V/Hz/n°	220-240/50/1						
System expansion tank capacity				l	8						
DHW expansion tank capacity				l	3						
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	0,48	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				l	30						
Minimum system water content				l	4,8						
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
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	Heating / DHW	-	Minimum / Maximum	°C	-25 / 43						
Voltage Range	DHW	-	Minimum / Maximum	°C	-25 / 43						
Outdoor air	Cooling	-	Minimum / Maximum	°C	-5 / 43						

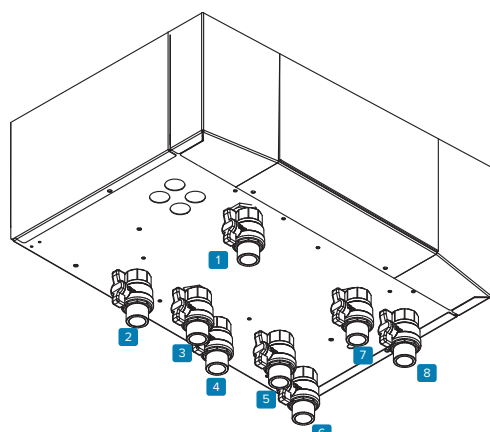
Data according to EN 14511:2018 and EN 14825:2016
The Product complies with the European ErP Directive (EU Regulations 811/2013 - 813/2013 - 2016/2281). Energy classes with Control4 NRG system control

(1) Data according to EN 16147: amount of water at 40 °C with the same enthalpy content as the water coming out of the Boiler at a temperature higher than 40 °C

Dimensions and connections

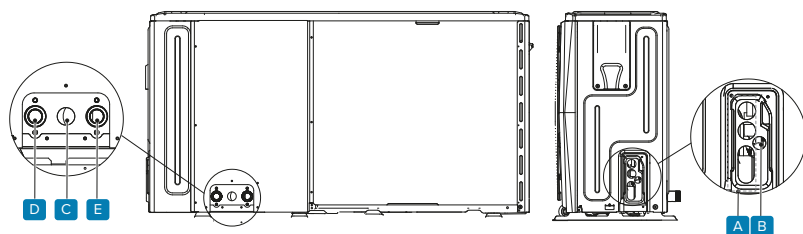
Size				2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
Operating weight	Indoor unit	AxCxB	mm	450 x 1100 x 550						
	Outdoor unit	AxCxB	mm	1.295x717x400						
	Indoor unit		kg	140						
	Outdoor unit		kg	86		105			129	
Refrigerant charge			type / GWP	R-32 / 675						
			kg	1,40						
			CO ₂ tons	0,95						
External diameters	Indoor unit	Water (System)	inch	1"						
		Water (DHW)	inch	3/4"						
	Outdoor unit	Water (System)	inch	1"						

Connection detail

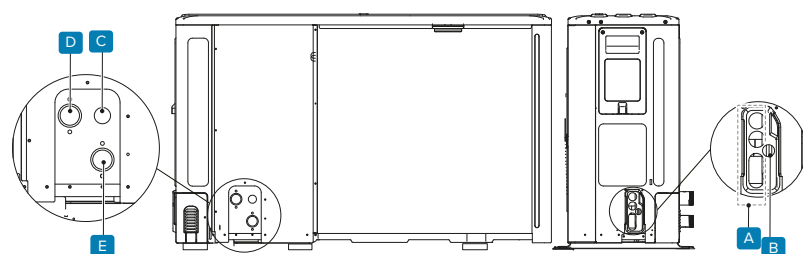


- 1 Water supply from outdoor unit 1"
- 2 Area 1 system return - 1"
- 3 Area 1 system supply - 1"
- 4 Area 2 system return - 1" (optional)
- 5 Area 2 system supply - 1" (optional)
- 6 Water return to outdoor unit 1"
- 7 DHW exchanger return (with optional water tank)
- 8 DHW exchanger supply (with optional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

SIZES 2.1 to 3.1



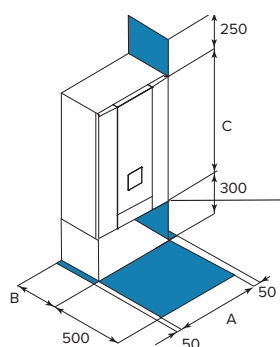
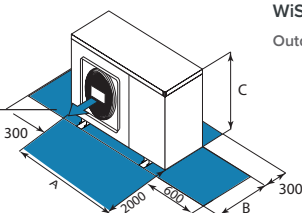
SIZES 4.1 to 8.1



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

HQCN-NEE 1 MC A

Indoor unit (IDU)

WiSAN-YME 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.

Technical data - MINI 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 / 0,4	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	4,50 / 7,84	6,50 / 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		
DHW	Net tank capacity			l	50	50	50	50	50	50	50		
	Water mixed at 40°C (V40)			l	62	62	62	62	62	62	62		
	Heating time			h:min	00:39	00:39	00:29	00:29	00:23	00:23	00:23		
Electrical power for meter sizing				kW	2,70	3,00	3,60	3,90	6,00	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	3,81	3,81	3,82	3,62	3,62	3,57			
		ns (seasonal output)	%	148,7	149,7	149,7	149,8	141,8	141,9	139,9			
	Heating Water 35°C	Energy class	-	A+++	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	A	A	A			
Power supply	Voltage/Frequency/Phases		V/Hz/n°	220-240/50/1									
System expansion tank capacity				l	8	8	8	8	8	8	8		
DHW expansion tank capacity				l	3	3	3	3	3	3	3		
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				V/Hz/n°	220-240/50/1								
Water flow-rate				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	8	
Minimum system water content				l	30	30	40	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								

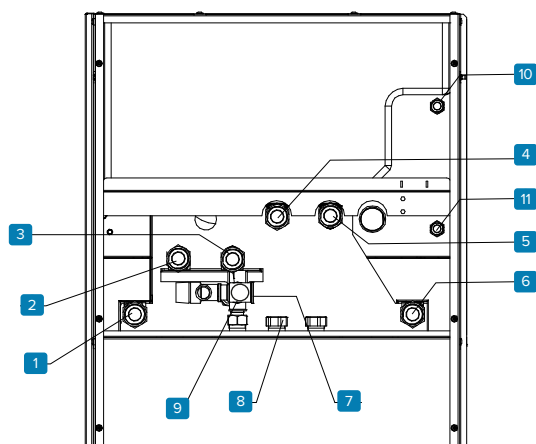
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(1) Data according to EN 16147: amount of water at 40 °C with the same enthalpy content as the water coming out of the Boiler at a temperature higher than 40 °C

Dimensions and connections

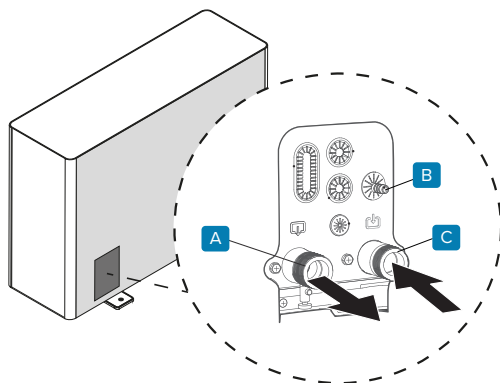
Size				2.1	3.1	4.1	5.1	6.1	7.1	8.1
Dimensions	Indoor unit	AxCxB	mm	450 x 1100 x 550						
	Outdoor unit	AxCxB	mm	1.295x718x386						
Operating weight	Indoor unit		kg	130						
	Outdoor unit		kg	90						
Refrigerant charge			type / GWP	R-290 / 0.02						
			kg	0,70						
			CO ₂ tons	0,002						
External diameters	Indoor unit	Water (System)	inch	1"						
		Water (DHW)	inch	3/4"						
	Outdoor unit	Water (System)	inch	1"						

Connection detail



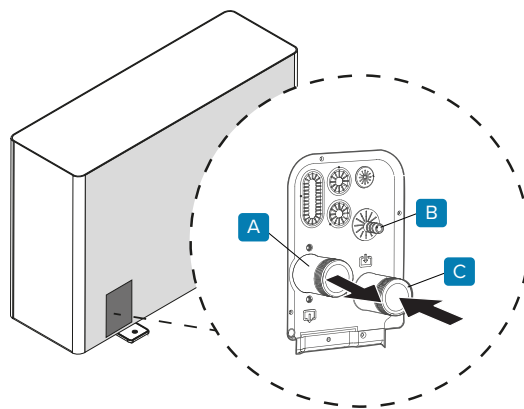
- 1 Water supply from outdoor unit 1"
- 2 Area 2 system return - 1" (optional)
- 3 Area 2 system supply - 1" (optional)
- 4 Area 1 system return - 1"
- 5 Area 1 system return - 1"
- 6 Water return to outdoor unit 1"
- 7 Water supply system inlet 1/2"
- 8 DHW recirculation 3/4"
- 9 DHW outlet 1/2"
- 10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

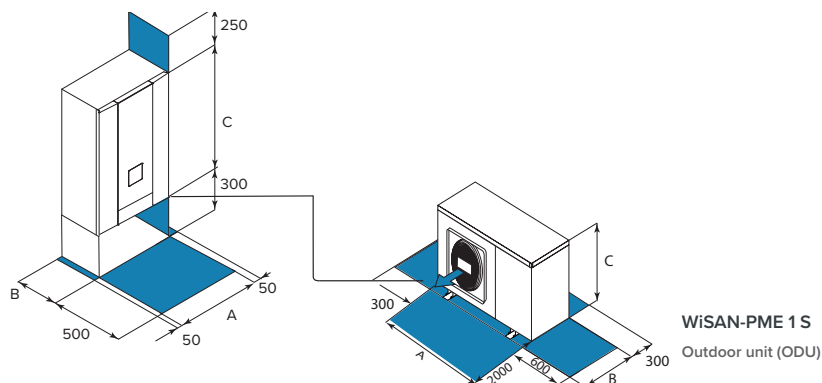
SIZES 4.1 to 8.1



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

HQCN-NEE 1 MC A

Indoor unit (IDU)

WiSAN-PME 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.

Technical data - MINI 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
Cooling	COP	Outdoor air 7°C	Nominal	-	4,17	3,91	4,00	3,90	3,90	3,75	3,65
	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
DHW	Net tank capacity		l	50	50	50	50	50	50	50	50
	Water mixed at 40°C (V40)		l	62	62	62	62	62	62	62	62
	Heating time		h:min	00:39	00:39	00:29	00:29	00:23	00:23	00:23	00:23
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+++	A+++
		Annual energy consumption	-	2.647	3.120	4.056	5.145	6.266	7.479	8.013	8.013
		SCOP	-	3,91	3,98	4,08	4,02	3,96	3,87	3,87	3,87
		ns (seasonal output)	%	153	156	160	158	155	152	152	152
	Heating Water 35°C	Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
		Annual energy consumption	-	1.984	2.460	3.095	3.889	5.014	6.069	7.009	7.009
		SCOP	-	5,10	5,00	5,35	5,33	4,94	4,76	4,72	4,72
		ns (seasonal output)	%	206	199	211	210	195	188	186	186
Size - Indoor unit					TO	TO	TO	TO	TO	TO	
Power supply	Voltage/Frequency/Phases		V/Hz/n°	220-240/50/1							
System expansion tank capacity			l	8	8	8	8	8	8	8	
DHW expansion tank capacity			l	3	3	3	3	3	3	3	
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°	220-240/50/1				220-240/50/1 - 380-415/50/3+N			
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	
Minimum system water content				l	40						
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 / 75						
		Hybrid	Minimum / Maximum	°C	25 / 75						
Operating Voltage Range	Cooling	-	Minimum / Maximum	°C	5 / 25						
	Heating	-	Minimum / Maximum	°C	-25 / 35						
	DHW	-	Minimum / Maximum	°C	-25 / 43						
Outdoor air	Cooling	-	Minimum / Maximum	°C	-5 / 43						

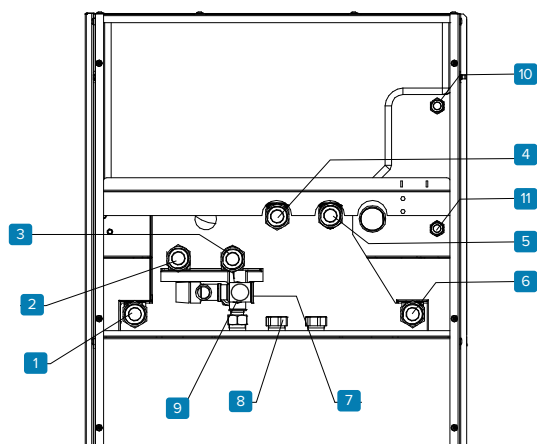
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(1) Data according to EN 16147: amount of water at 40 °C with the same enthalpy content as the water coming out of the Boiler at a temperature higher than 40 °C

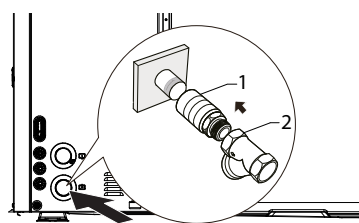
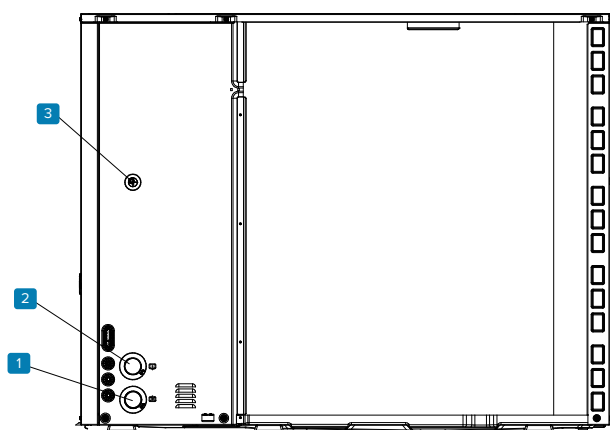
Dimensions and connections

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	450 x 1100 x 550								
	Outdoor unit	AxCxB	mm	1.330x1.051x528								
Operating weight	Indoor unit		kg	130								
	Outdoor unit		kg	150		155 - 160		175 - 180				
Refrigerant charge			type / GWP	R-290 / 0.02								
			kg	0,42		0,64		0,69		0,89	1,00	1,08
			CO ₂ tons	0,002						0,003		
External diameters	Indoor unit	Water (System)	inch	1"								
		Water (DHW)	inch	3/4"								
	Outdoor unit	Water (System)	inch	1" 1/4								

Connection detail



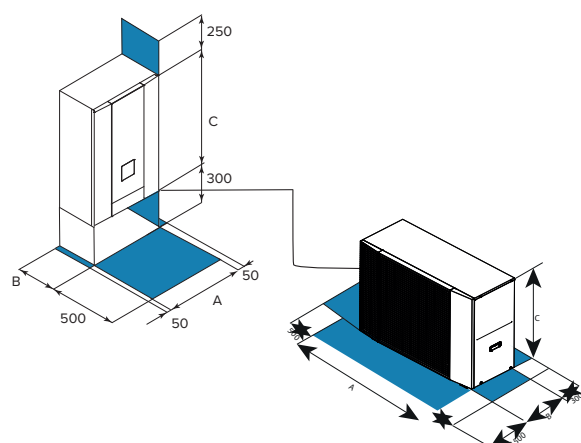
- 1 Water supply from outdoor unit 1"
- 2 Area 2 system return - 1" (optional)
- 3 Area 2 system supply - 1" (optional)
- 4 Area 1 system return - 1"
- 5 Area 1 system return - 1"
- 6 Water return to outdoor unit 1"
- 7 Water supply system inlet 1/2"
- 8 DHW recirculation 3/4"
- 9 DHW outlet 1/2"
- 10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

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.