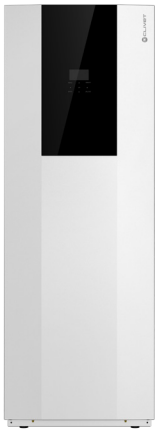
HYDRO-SPLIT TOWER

Indoor hydronic unit with base with DHW tank for Hydro Split systems



Energy saving

- Solar integration (DHW tank - optional)
- Cascade
- €-Switch

Comfort

- Hot Cold
- DHW
- Silent

Convenience

- Weekley Timer
- Instant DHW (Hybrid Version)
- Contemporaneity (Hybrid Version)
- Integrated DHW tank

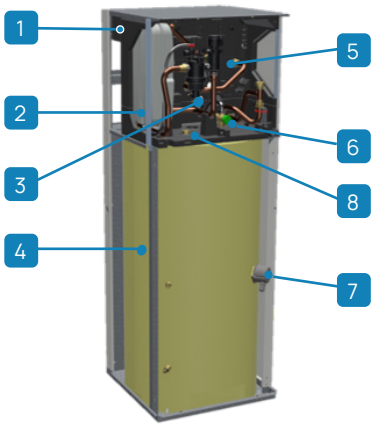
Management and connettivity

- Input ON/ OFF
- Port Modbus
- Control via the App
- CONTROL4 NRG management
- User interface / thermostat
- Clivet Eye monitoring

Reliability

- Backup heater (optional)

- ✓190 or 250 l ACS storage tank
- ✓Wide range of integrable accessories
- ✓Can be combined with EDGE outdoor units
- ✓Reduced space requirements
- ✓Easy installation



1. 15-litre inertial tank
2. 12-litre system expansion tank
3. Magnetic dirt separator filter+pressure relief valve
4. Domestic hot water storage tank
5. 3-way valve for DHW
6. Thermostatic anti-scald valve
7. Backup electric heater
8. Electronic anode

Versatile to suit every type of system

Hydronic TOWER version modules are designed to be combined with the EDGE family of packaged heat pumps.
In addition to the DHW tank, they contain a 15-litre buffer tank, magnetic baffle filter, system expansion tank and anti-burn valve as standard.

Configurations

CONTROL:

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

DHW STORAGE TANK:

ACS190	190 liter DHW tank
ACS250	250 liter DHW tank

Hybrid version in combination with Clivet FE boiler

Interior accessories

	EH246X	Additional electric heater adjustable to three capacities of 2, 4 or 6 kW
	EH9X	Additional electric heater adjustable to one capacity of 9 kW
	KCSIX	Secondary circuit kit (1L hydraulic circuit breaker + pump)
	KIR2HX	Hydraulic kit for managing two areas with the same temperature
	KIR2HLX	Hydraulic kit for managing two areas with high and mixed temperature

	SOLX	DHW plate exchanger kit for solar thermal connection
	SICGX	Intermediate exchanger for clean separation between primary and secondary circuit
	KTCTX	Top outlet connection piping kit Compatible only with standard version
	KTCSX	Left outlet connection piping kit Compatible only with standard version Not compatible with KTCSTX option
	KTCRX	Right outlet connection piping kit Compatible only with standard version
	KTCSTX	Solar circuit top connection kit Compatible only in the presence of option SOLX, not compatible with KTCSX.

External accessories

	ACI40X	System inertial tank 40 litres
	COFX	Aesthetic cover for inertial storage tank

	VEACSX	Sanitary expansion tank
	KCAIAX	Additional inertial tank connection kit

Technical data - TOWER version + EDGE EVO 2.0

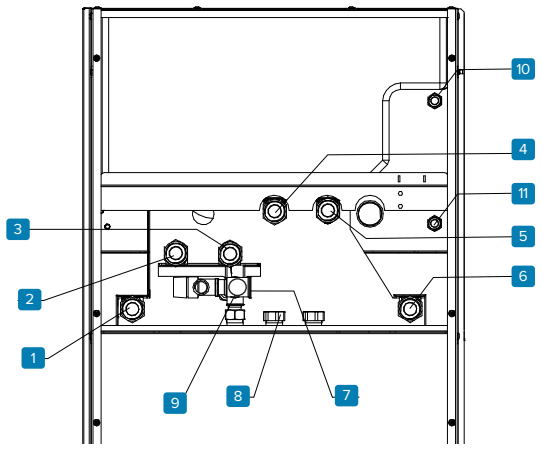
Size - Set					2.1		3.1		4.1		5.1		6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
DHW tank					**190L**	**250L**	**190L**	**250L**	**190L**	**250L**	**190L**	**250L**	**250L**	**250L**	**250L**
Heating	Capacity	Water 35/30°C Outdoor air 7°C	Nominal / Maximum	kW	**4,20 / 6,26**		**6,35 / 7,41**		**8,40 / 9,11**		**10,0 / 10,3**		**12,1 / 14,6**	**14,5 / 15,5**	**15,9 / 16,8**
	COP		Nominal	-	5,10		4,95		5,15		4,95		4,95	4,60	4,50
	Capacity	Water 35/30°C Outdoor air -7°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		Nominal	-	3,10		3,00		3,20		3,05		3,00	2,85	2,70
	Capacity	Water 45/40°C Outdoor air 7°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		Nominal	-	3,80		3,70		3,85		3,75		3,70	3,60	3,50
Cooling	Capacity	Water18/23°C Outdoor air 35°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		Nominal	-	5,50		4,80		5,05		4,55		3,95	3,61	3,61
	Capacity	Water 7/12°C Outdoor air 35°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		Nominal	-	3,45		3,00		3,35		3,25		2,75	2,50	2,50
DHW	Net tank capacity			l	190	250	190	250	190	250	190	250	250	250	250
	Water mixed at 40°C (V40)[1]			l	204	269	204	269	204	269	204	269	269	269	269
	Heating time			h:min	2:30	2:25	2:30	2:25	2:08	2:05	2:08	2:05	1:46	1:46	1:46
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++**
		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
	DHW	Energy class		-	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**
		Withdrawal profile		-	L	XL	L	XL	L	XL	L	XL	XL	XL	XL
Size - Indoor unit					**A**	**A**	**A**	**A**	**A**	**A**	**A**	**A**	**A**	**A**	**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**		**2.1**		**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 Outdoor air 7°C	Nominal	l/s	0,20		0,30		0,40		0,48		0,58	0,69	0,76
Pump available pressure			Nominal	kPa	85		84		80		71		60	48	40
Expansion tank capacity				l	4,8										
Minimum system water content				l	30								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
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 Outdoor air	Heating	-	Minimum / Maximum	°C	-25 / 35										
	DHW	-	Minimum / Maximum	°C	-25 / 43										
	Cooling	-	Minimum / Maximum	°C	-5 / 43										

Dimensions and connections

Size				2.1	3.1	4.1	5.1	6.1M - 6.1T	7.1M - 7.1T	8.1M - 8.1T
Dimensions	Indoor unit ACS190	AxCxB	mm	600x1.694x615	600x1.694x615	600x1.694x615	600x1.694x615	-	-	-
	Indoor unit ACS250	AxCxB	mm	600x2.004x615	600x2.004x615	600x2.004x615	600x2.004x615	600x2.004x615	600x2.004x615	600x2.004x615
	Outdoor unit	AxCxB	mm	1.295x717x400	1.295x717x400	1.385x864x445	1.385x864x445	1.385x864x445	1.385x864x445	1.385x864x445
Operating weight	Indoor unit ACS190		kg	359	359	359	359	-	-	-
	Indoor unit ACS250		kg	419	419	419	419	421	421	421
	Outdoor unit		kg	86	86	105	105	129 / 144	129 / 144	129 / 144
Refrigerant charge			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"
		Water (DHW)	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	Outdoor unit	Water (System)	inch	1"	1"	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4

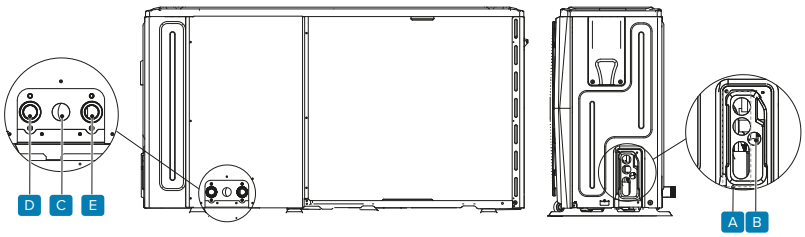
The letter M next to the value identifies the supply voltage 220-240/50/1, and the letter T identifies the supply voltage 380-415/50/3+N.

Connection detail

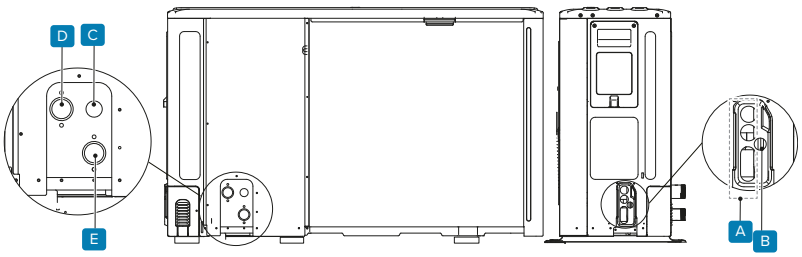


1. Water supply from outdoor unit 1"
2. Area 2 system return - 1" (optional)
3. Area 2 system supply - 1" (optional)
4. Area 1 system return - 1"
5. Area 1 system return - 1"
6. Water return to outdoor unit 1"
7. Water supply system inlet 1/2"
8. DHW recirculation 3/4"
9. DHW outlet 1/2
10. Supply to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

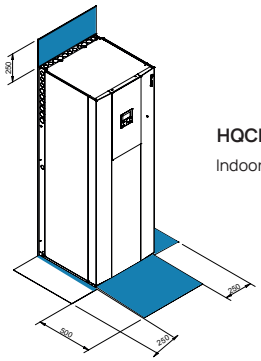
SIZES 2.1 to 3.1



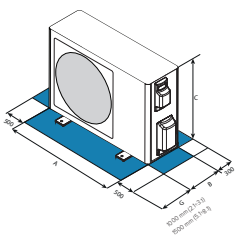
SIZES 4.1 to 8.1



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



HQCN-NEE 1 TC 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.

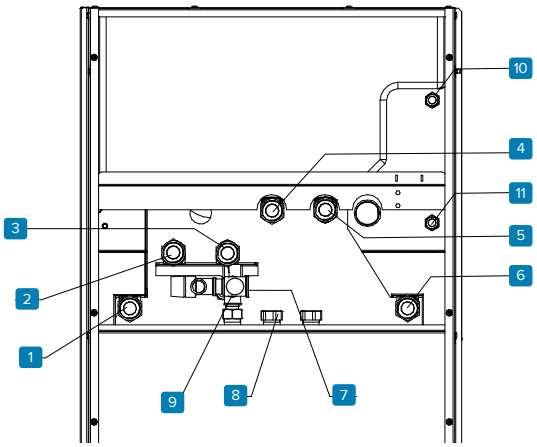
Technical data - TOWER version + EDGE F

Size - Set					2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
DHW tank					190L 250L	190L 250L	190L 250L	190L 250L	250L	250L	250L
Heating	Capacity	Water 35/30°C Outdoor air 7°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		Nominal	-	5,15	4,90	5,00	4,70	4,80	4,50	4,40
	Capacity	Water 35/30°C Outdoor air -7°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		Nominal	-	3,10	2,95	3,00	2,85	2,80	2,70	2,50
	Capacity	Water 45/40°C Outdoor air 7°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		Nominal	-	4,05	3,80	3,85	3,65	3,70	3,50	3,35
Cooling	Capacity	Water18/23°C Outdoor air 35°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		Nominal	-	5,50	5,10	5,15	4,75	4,50	4,20	3,90
	Capacity	Water 7/12°C Outdoor air 35°C	Nominal / Maximum	kW	4,70 / 5,66	6,80 / 7,14	7,50 / 8,19	8,76 / 8,76	11,5 / 12,0	12,7 / 12,7	14,0 / 14,3
	EER		Nominal	-	3,65	3,10	3,45	3,01	3,05	2,90	2,75
DHW	Net tank capacity			l	190 250	190 250	190 250	190 250	190 250	190 250	190 250
	Water mixed at 40°C (V40)			l	204 269	204 269	204 269	204 269	204 269	204 269	204 269
	Heating time			h:min	02:30 02:25	02:30 02:25	02:08 02:05	2:08 2:05	01:48 01:46	01:48 01:46	01:48 01:46
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++**
		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	150	150	150	142	142	140
	Heating Water 35°C	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)		%	201	194	205	200	184	182	181
	DHW	Energy class		-	**A+** **A+**	**A+** **A+**	**A+** **A+**	**A+** **A+**	**A+**	**A+**	**A+**
		Withdrawal profile		-	L XL	L XL	L XL	L XL	XL	XL	XL
Size - Indoor unit					**A**	**A**	**A**	**A**	**A**	**A**	**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				220-240/50/1 - 380-415/50/3+N		
Water flow-rate		Water 35/30°C Outdoor air 7°C	Nominal	l/s	0,21	0,30	0,40	0,48	0,57	0,67	0,71
Pump available pressure			Nominal	kPa	89	87	80	71	63	54	49
Expansion tank capacity				l	8						
Minimum system water content				l	30				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 Outdoor air	Heating	-	Minimum / Maximum	°C	-25 / 35						
	DHW	-	Minimum / Maximum	°C	-25 / 43						
	Cooling	-	Minimum / Maximum	°C	-5 / 43						

Dimensions and connections

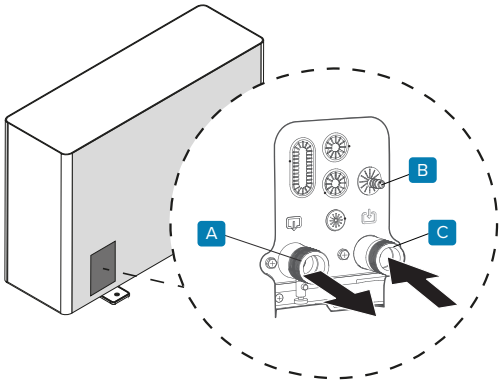
Size				2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
Dimensions	Indoor unit ACS190	AxCxB	mm	600x1.694x615	600x1.694x615	600x1.694x615	600x1.694x615	-	-	-
	Indoor unit ACS250	AxCxB	mm	600x2.004x615	600x2.004x615	600x2.004x615	600x2.004x615	600x2.004x615	600x2.004x615	600x2.004x615
	Outdoor unit	AxCxB	mm	1.295x718x386	1.295x718x386	1.385x865x423	1.385x865x423	1.385x865x423	1.385x865x423	1.385x865x423
Operating weight	Indoor unit ACS190		kg	359	359	359	359	-	-	-
	Indoor unit ACS250		kg	419	419	419	419	421	421	421
	Outdoor unit		kg	90	90	117	117	135	135	135
Refrigerant charge			tipo/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
			CO2 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"
		Water (DHW)	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	Outdoor unit	Water (System)	inch	1"	1"	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4

Connection detail



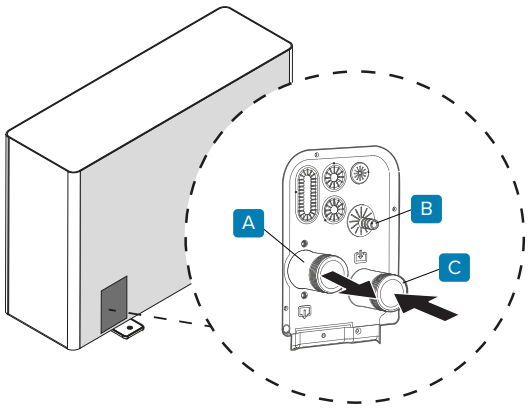
1. Water supply from outdoor unit 1"
2. Area 2 system return - 1" (optional)
3. Area 2 system supply - 1" (optional)
4. Area 1 system return - 1"
5. Area 1 system return - 1"
6. Water return to outdoor unit 1"
7. Water supply system inlet 1/2"
8. DHW recirculation 3/4"
9. DHW outlet 1/2
10. Supply to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

SIZES 2.1 to 3.1

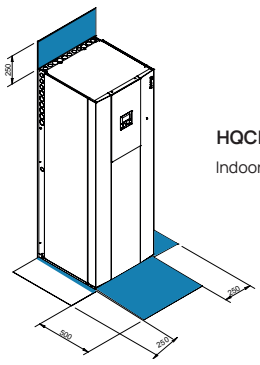


A 1" system supply
B Pressure relief valve Ø 16 mm
C 1" system return

SIZES 4.1 to 8.1

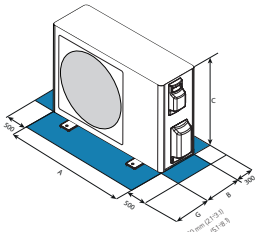


A System supply 1 1/4"
B Pressure relief valve Ø 16 mm
C System return 1 1/4"



HQCN-NEE 1 TC A
Indoor unit (IDU)

WiSAN-PME 1 S
Outdoor unit (ODU)



E = 500 mm
F = 500 mm
G = 1000 mm (2.1÷3.1)
H = 300 mm

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

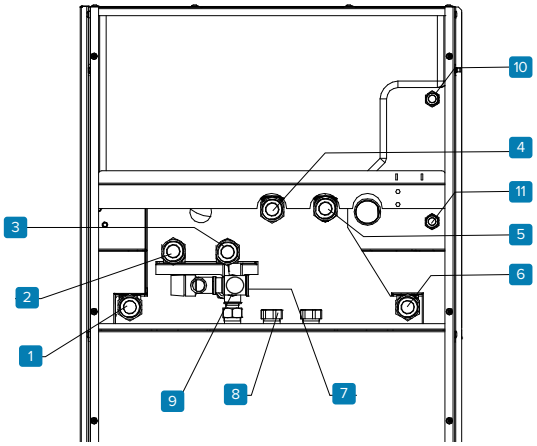
Technical data - TOWER versione + EDGE PRO

Size - Set					2.1		3.1		4.1		5.1		6.1 - 6.1T		7.1 - 7.1T		8.1 - 8.1T	
DHW tank					190L	250L	190L	250L	190L	250L	190L	250L	250L		250L		250L	
Heating	Capacity	Water 35/30°C Outdoor air 7°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		Nominal	-	5,30		5,03		5,25		4,95		4,95		4,70		4,50	
	Capacity	Water 35/30°C Outdoor air -7°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		Nominal	-	3,25		3,03		3,25		3,15		3,15		2,80		2,70	
	Capacity	Water 45/40°C Outdoor air 7°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		Nominal	-	4,17		3,91		4,00		3,90		3,90		3,75		3,65	
Cooling	Capacity	Water18/23°C Outdoor air 35°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		Nominal	-	5,65		5,51		5,25		4,60		4,60		4,40		4,25	
	Capacity	Water 7/12°C Outdoor air 35°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		Nominal	-	3,65		3,10		3,35		3,10		3,05		3,00		2,70	
DHW	Net tank capacity			l	190	250	190	250	190	250	190	250	190	250	190	250	190	250
	Water mixed at 40°C (V40)			l	204	269	204	269	204	269	204	269	204	269	204	269	204	269
	Heating time			h:min	02:30	02:25	02:30	02:25	02:08	02:05	02:08	02:05	01:48	01:46	01:48	01:46	01:48	01:46
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	
	DHW	Energy class		-	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**	**A+**
		Withdrawal profile		-	L	XL	L	XL	L	XL	L	XL	L	XL	L	XL	L	XL
Size - Indoor unit											**A**							
Power supply		Voltage/Frequency/Phases		V/Hz/n°							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						230/50/1 - 400/50/3+N							
Water flow-rate		Water 35/30°C Outdoor air 7°C	Nominal	l/s	0,20		0,30		0,40		0,50		0,60		0,70		0,70	
Pump available pressure			Nominal	kPa	56		56		51		51		45		42		38	
Minimum system water content				l	40		40		40		40		40		40		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 / 80													
		Hybrid	Minimum / Maximum	°C	25 / 80													
	Cooling	-	Minimum / Maximum	°C	5 / 46													
Operating Voltage Range Outdoor air	Heating	-	Minimum / Maximum	°C	-25 / 46													
	DHW	-	Minimum / Maximum	°C	-25 / 46													
	Cooling	-	Minimum / Maximum	°C	-5 / 46													

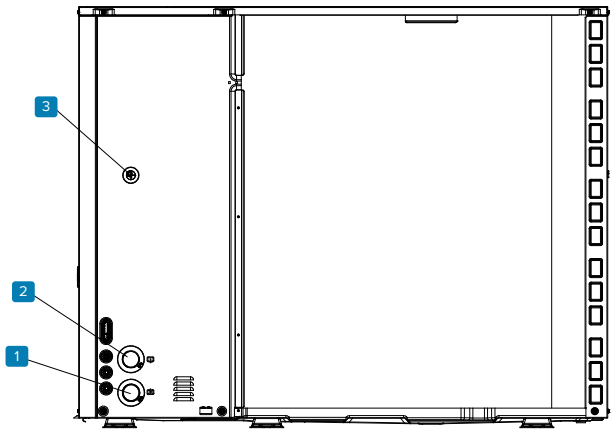
Dimensions and connections

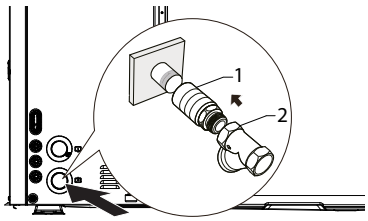
Size				2.1	3.1	4.1	5.1	6.1 - 6.1T	7.1 - 7.1T	8.1 - 8.1T
Dimensions	Indoor unit ACS190	AxCxB	mm	600x1.700x612					-	
	Indoor unit ACS250	AxCxB	mm	600x2.010x615						
	Outdoor unit	AxCxB	mm	1.330x1.051x528						
Operating weight	Indoor unit ACS190		kg	357						
	Indoor unit ACS250		kg	417						
	Outdoor unit		kg	150		155 - 160			175 - 180	
Refrigerant charge			tipo/GWP	R-290 / 0.02						
			kg	0,70		1,10			1,25	
			CO2 tons	0,002				0,00003		
External diameters	Indoor unit	Water (System)	inch	1"						
		Water (DHW)	inch	1/2"						
	Outdoor unit	Water (System)	inch	1" 1/4						

Connection detail

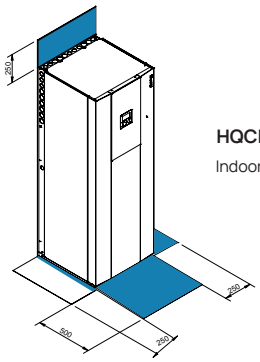


1. Water supply from outdoor unit 1"
2. Area 2 system return - 1" (optional)
3. Area 2 system supply - 1" (optional)
4. Area 1 system return - 1"
5. Area 1 system return - 1"
6. Water return to outdoor unit 1"
7. Water supply system inlet 1/2"
8. DHW recirculation 3/4"
9. DHW outlet 1/2
10. Supply to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



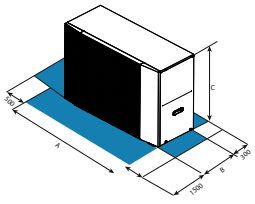


1. System supply 1 1/4"
2. System return 1 1/4"
3. Water side safety valve Ø 16mm



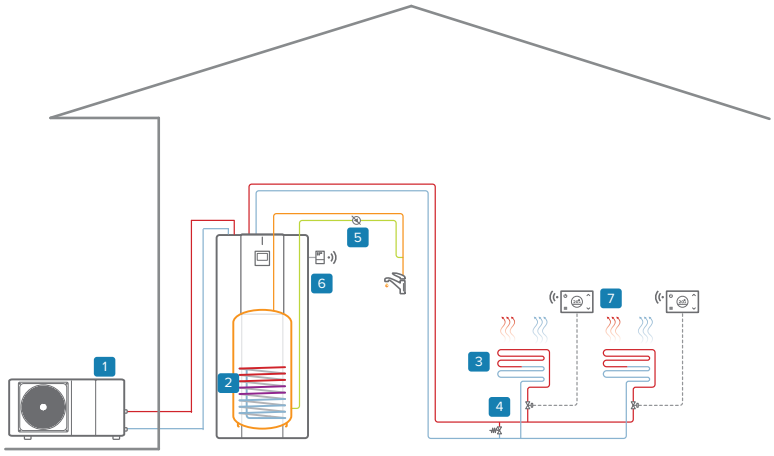
HQCN-NEE 1 TC A
Indoor unit (IDU)

WiSAN-PMP 1 S
Outdoor unit (ODU)



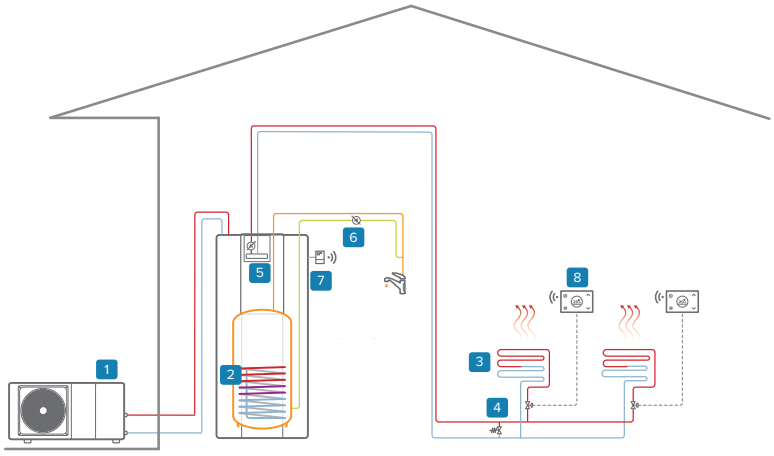
For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the blue areas.

REF. DG26A002GB-00



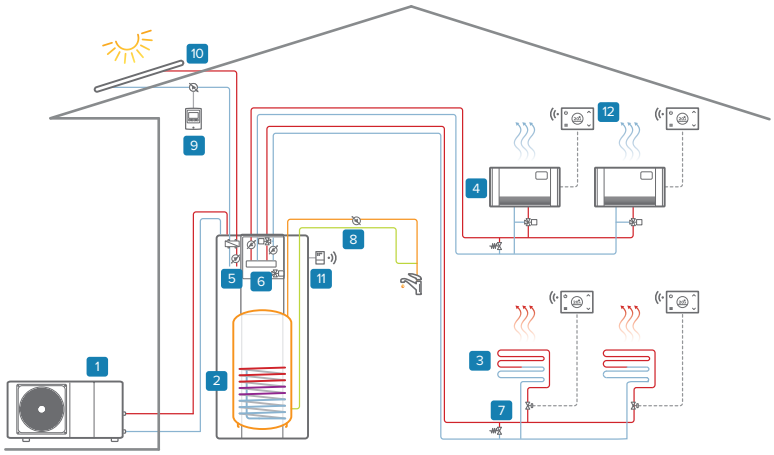
Single-zone system: Heating / DHW

1. Outdoor unit
2. Indoor unit
3. Heating area
4. Bypass*
5. DHW recirculation pump
6. SwitchConnect Wi-Fi receiver
7. HiDTConnect2 Wi-Fi chronothermostat



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 pump
6. DHW recirculation pump
7. SwitchConnect Wi-Fi receiver
8. HiDTConnect2 Wi-Fi chronothermostat



Two zone + solar system Heating / DHW

1. Outdoor unit
2. Indoor unit
3. Heating area
4. Cooling area
5. Solar connection kit
6. Two-zone kit
7. Bypass*
8. DHW recirculation pump*
9. Solar circulation kit
10. ELFOSun3 thermal solar
11. SwitchConnect Wi-Fi receiver
12. HiDTConnect2 Wi-Fi chronothermostat

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

*From external supply