fondital

BE INNOVATIVE

ENERGY RELATED PRODUCTS

PROCIDA HEAT PUMPS
CATALOGUE

EN


fondital
BE INNOVATIVE

FONDITAL PRODUCTS

CONDENSING BOILERS AND STANDARD BOILERS

DIE-CAST RADIATORS

WATER HEATER

EXTRUDED RADIATORS

SOLAR THERMAL SYSTEMS

TOWEL RAIL RADIATORS

HEAT PUMPS

DESIGN RADIATORS

HYBRID SYSTEMS

ELECTRIC RADIATORS

HOT WATER STORAGE TANKS

CONVECTIVE GAS STOVES

HEAT PUMPS

STORAGE TANKS FOR HEAT PUMPS

fondital

PROCIDA AWM

INVERTER AIR-TO-WATER MONOBLOC HEAT PUMP
WATER PRODUCTION FOR HEATING AND COOLING

- **CLASS A+++ for models X6 - X8 - X10 - X12 and T12. CLASS A++ for models X14 - X16 - T14 - T16 (for average climate conditions and for low-temperature application, according to EU regulation 811/2013, EN 14825)**
- **High COP for heating performance**
- **Touch-screen control panel with user interface provided as standard. To be installed inside the house**
- **Compact size and outdoor installation monobloc (the whole system is included in a single body, the higher power sizes are also single-fan)**
- **Reduced impact on global warming thanks to the use of R32 gas (GWP = 675)**
- **It can be combined with tanks for the production of DHW, heating elements and back-up boilers**
- **Included in the price: heat pump, control panel, water filter and tank probe**
- Integrated hydraulic unit with expansion vessel, high efficiency pump, plate exchanger, flow switch, vent and safety valve
- Twin rotary DC inverter compressor and brushless DC inverter axial fan
- Hydrophilic treated finned coil - Improved resistance to corrosion and condensation formation prevention
- Management of 3-way valve (not included) for hot water production
- Electronic expansion valve for refrigerant fluid optimisation
- Heating element on the base (prevents ice formation)
- Climate control and "Quiet" function for silent mode

Available in the following models:

6 8 10 12 14 16

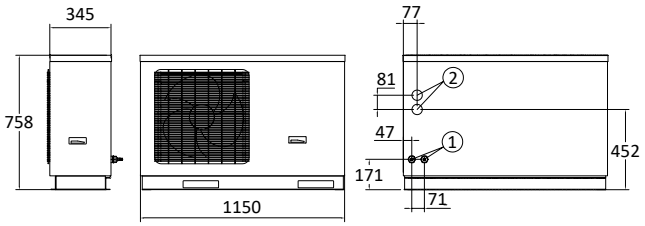
HEAT PUMP INTERFACE

- *Touch-screen display*
- *Management of operating modes, system components and heating integration systems, parameters setting*
- *Weekly programming by time slots*
- *Anti-legionella cycle management*

Model	Refrigerant Gas	Code	Power supply	Nominal heating capacity (1)		Seasonal energy efficiency class of ambient heating (2)		Packaging dimensions W x H x D	Gross weight
				Water T 35°C kW	Water T 55°C kW	Water T 35°C	Water T 55°C	mm	kg
AWM X6	R32	DPBXXXAW06	Single-phase	6,00	5,52	A+++	A++	1258x900x488	109
AWM X8	R32	DPBXXXAW08	Single-phase	7,50	6,90	A+++	A++	1258x900x488	109
AWM X10	R32	DPBXXXAW10	Single-phase	10,00	9,20	A+++	A++	1288x1020x588	166
AWM X12	R32	DPBXXXAW12	Single-phase	12,00	11,04	A+++	A++	1288x1020x588	166
AWM X14	R32	DPBXXXAW14	Single-phase	14,00	12,88	A++	A++	1288x1020x588	166
AWM X16	R32	DPBXXXAW16	Single-phase	15,50	14,26	A++	A++	1288x1020x588	166
AWM T12	R32	DPBXXTAW12	Three-phase	12,00	11,04	A+++	A++	1288x1020x588	166
AWM T14	R32	DPBXXTAW14	Three-phase	14,00	12,88	A++	A++	1288x1020x588	166
AWM T16	R32	DPBXXTAW16	Three-phase	15,50	14,26	A++	A++	1288x1020x588	166

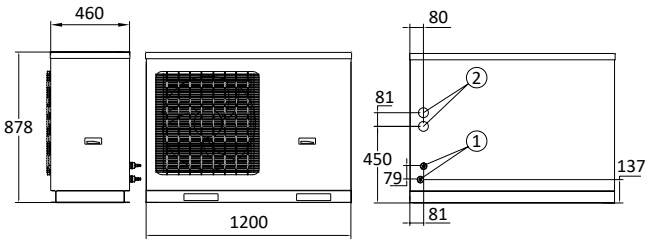
(1) Outdoor air T 7°C dry bulb/6°C wet bulb
Inlet water T / outlet water T: 30 / 35 °C - Inlet water T / outlet water T: 50 / 55°C
According to EN 14511
(2) According to EN 14825

DIMENSIONS AND CONNECTION CENTRE DISTANCES



mod. Procida AWM X6 - X8

1 Water inlet/outlet connections
2 Electrical connections



mod. Procida AWM X10 - X12 - X14 - X16 - T12 - T14 - T16

1 Water inlet/outlet connections
2 Electrical connections

OUTDOOR UNIT TECHNICAL DATA

Technical data	um	AWM X6	AWM X8	AWM X10	AWM X12	AWM X14
Dimensions (W x H x D)	mm	1150x758x345	1150x758x345	1200x878x460	1200x878x460	1200x878x460
Net weight	kg	96	96	151	151	151
Gross weight	kg	109	109	166	166	166
Water inlet/outlet connection	inches	G1	G1	G1	G1	G1
Refrigerant Gas	-	R32	R32	R32	R32	R32
GWP	-	675	675	675	675	675
Refrigerant gas charge content	kg/tonnes of CO_2 eq	0,87 / 0,59	0,87 / 0,59	2,2 / 1,49	2,2 / 1,49	2,2 / 1,49
Sound power level, outdoors L_{WA}	dB (A)	64	65	69	69	70
Expansion vessel capacity	l	2	2	3	3	3
Safety valve pressure	bar	3	3	3	3	3
System water minimum content	l	40	40	80	80	80
System water minimum flow rate	l/min	9,2	9,2	9,2	9,2	9,2
Water nominal flow rate at water T of 35°C / 45°C	m³/h	0,69/0,69	1,25/1,24	1,74/1,70	2,14/2,05	2,52/2,50
Circulation pump - max head	m	PWM - 7.5	PWM - 7.5	PWM - 9	PWM - 9	PWM - 9
Compressor	-	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter
Variable speed fan	no.	1	1	1	1	1
Air flow rate	m³/h	2600	2600	4500	4500	4500
Evaporator (plate exchanger)	no.	1	1	1	1	1
Power supply voltage/frequency	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Voltage range	V	220 - 240	220 - 240	220 - 240	220 - 240	220 - 240
Rated current	A	10,4	10,4	23	25	29
Electric protection rating	IP	IPX4	IPX4	IPX4	IPX4	IPX4

Technical data	um	AWM X16	AWM T12	AWM T14	AWM T16
Dimensions (W x H x D)	mm	1200x878x460	1200x878x460	1200x878x460	1200x878x460
Net weight	kg	151	151	151	151
Gross weight	kg	166	166	166	166
Water inlet/outlet connection	inches	G1	G1	G1	G1
Refrigerant Gas	-	R32	R32	R32	R32
GWP	-	675	675	675	675
Refrigerant gas charge content	kg/tonnes of CO_2 eq	2,2 / 1,49	2,2 / 1,49	2,2 / 1,49	2,2 / 1,49
Sound power level, outdoors L_{WA}	dB (A)	72	69	70	72
Expansion vessel capacity	l	3	3	3	3
Safety valve pressure	bar	3	3	3	3
System water minimum content	l	80	80	80	80
System water minimum flow rate	l/min	9,2	9,2	9,2	9,2
Water nominal flow rate at water T of 35°C / 45°C	m³/h	2,63/2,73	2,10/2,04	2,40/2,47	2,63/2,73
Circulation pump - max head	m	PWM - 9	PWM - 9	PWM - 9	PWM - 9
Compressor	-	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter
Variable speed fan	no.	1	1	1	1
Air flow rate	m³/h	4500	4500	4500	4500
Evaporator (plate exchanger)	no.	1	1	1	1
Power supply voltage/frequency	V/Ph/Hz	230/1/50	400/3/50	400/3/50	400/3/50
Voltage range	V	220 - 240	380 - 415	380 - 415	380 - 415
Rated current	A	29	12	12	12
Electric protection rating	IP	IPX4	IPX4	IPX4	IPX4

HEATING PERFORMANCE - ACCORDING TO EN 14511

Water flow / return T: 35 / 30°C
Outdoor air T 7°C dry bulb

Model	Nominal heating capacity	Nominal electric power input	COP
	kW	kW	
AWM X6	6,00	1,20	5,00
AWM X8	7,50	1,63	4,60
AWM X10	10,00	2,17	4,61
AWM X12	12,00	2,64	4,55
AWM X14	14,00	3,22	4,35
AWM X16	15,50	3,60	4,31
AWM T12	12,00	2,64	4,55
AWM T14	14,00	3,22	4,35
AWM T16	15,50	3,60	4,31

Water flow / return T: 45 / 40°C
Outdoor air T 7°C dry bulb

Model	Nominal heating capacity	Nominal electric power input	COP
	kW	kW	
AWM X6	6,00	1,58	3,80
AWM X8	7,50	2,00	3,75
AWM X10	10,00	2,70	3,70
AWM X12	12,00	3,48	3,45
AWM X14	14,00	4,18	3,35
AWM X16	15,50	3,60	4,30
AWM T12	12,00	3,48	3,45
AWM T14	14,00	4,18	3,35
AWM T16	15,50	4,70	3,30

COOLING PERFORMANCE - ACCORDING TO EN 14511

Water flow / return T: 18 / 23°C
Outdoor air T 35°C dry bulb

Model	Nominal cooling capacity	Nominal electric power input	EER
	kW	kW	
AWM X6	5,80	1,32	4,39
AWM X8	6,80	1,55	4,39
AWM X10	8,80	1,96	4,49
AWM X12	11,00	2,56	4,30
AWM X14	12,50	3,05	4,10
AWM X16	14,50	3,82	3,80
AWM T12	11,00	2,56	4,30
AWM T14	12,50	3,05	4,10
AWM T16	14,50	3,08	4,71

Water flow / return T: 7 / 12°C
Outdoor air T 35°C dry bulb

Model	Nominal cooling capacity	Nominal electric power input	EER
	kW	kW	
AWM X6	4,00	1,29	3,10
AWM X8	5,00	1,61	3,11
AWM X10	7,80	2,48	3,15
AWM X12	9,50	3,20	2,97
AWM X14	12,00	4,14	2,90
AWM X16	13,00	4,96	2,62
AWM T12	9,50	3,11	3,05
AWM T14	12,00	4,38	2,74
AWM T16	13,00	4,91	2,65

ERP PERFORMANCE - ACCORDING TO EN 14825

LOW TEMPERATURE - AVERAGE CLIMATE CONDITIONS

Inlet water T / outlet water T: 30 / 35 °C - Outdoor air T 7°C dry bulb/6°C wet bulb

Model	Heating load - $P_{designh}$	Seasonal energy efficiency - η_s	Energy efficiency class
	kW	%	
AWM X6	5,00	187	A+++
AWM X8	6,00	186	A+++
AWM X10	9,00	177	A+++
AWM X12	11,00	177	A+++
AWM X14	11,00	170	A++
AWM X16	13,00	166	A++
AWM T12	11,00	177	A+++
AWM T14	11,00	170	A++
AWM T16	13,00	166	A++

MEDIUM TEMPERATURE - AVERAGE CLIMATE CONDITIONS

Inlet water T / outlet water T: 47 / 55 °C - Outdoor air T 7°C dry bulb/6°C wet bulb

Model	Heating load - $P_{designh}$	Seasonal energy efficiency - η_s	Energy efficiency class
	kW	%	
AWM X6	6,00	127	A++
AWM X8	7,00	128	A++
AWM X10	8,00	126	A++
AWM X12	10,00	126	A++
AWM X14	11,00	125	A++
AWM X16	13,00	125	A++
AWM T12	10,00	127	A++
AWM T14	11,00	126	A++
AWM T16	13,00	128	A++

ENERGY CONSUMPTION

Annual energy consumption Q_{he} (kWh)

Model	Colder climate conditions		Average climate conditions		Warmer climate conditions	
	low T (A)	medium T (B)	low T (C)	medium T (D)	low T (E)	medium T (F)
AWM X6	3237	5626	2055	3733	1318	2270
AWM X8	3237	6478	2579	4256	1666	2589
AWM X10	4480	6800	4235	5070	2201	2723
AWM X12	5444	7691	4902	6119	2555	2723
AWM X14	6475	8967	5468	7213	2721	2723
AWM X16	7555	10540	6284	8161	3078	3072
AWM T12	5477	7725	4893	6048	2527	2727
AWM T14	6476	9008	5448	7123	2717	2727
AWM T16	7553	10532	6276	7945	3070	3073

REF.	CLIMATE	TEMPERATURE	Outdoor air T °C Dry bulb (Wet bulb)	Water inlet T °C	Water outlet T °C
A	COLDER	LOW	2 (1)	30	35
B	COLDER	MEDIUM	2 (1)	47	55
C	AVERAGE	LOW	7 (6)	30	35
D	AVERAGE	MEDIUM	7 (6)	47	55
E	WARMER	LOW	14 (13)	30	35
F	WARMER	MEDIUM	14 (13)	47	55

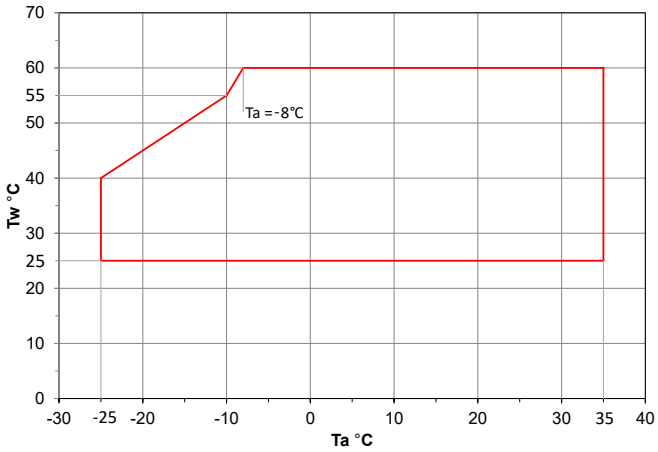
MAXIMUM OPERATING CONDITIONS

Mode	Outlet water temperature range	Air T temperature range
	°C	dry bulb °C
Heating mode	25 ÷ 60	- 25 ÷ 35
Cooling mode	7 ÷ 25	10 ÷ 48
DHW production mode with tank	40 ÷ 80 (*)	- 25 ÷ 45

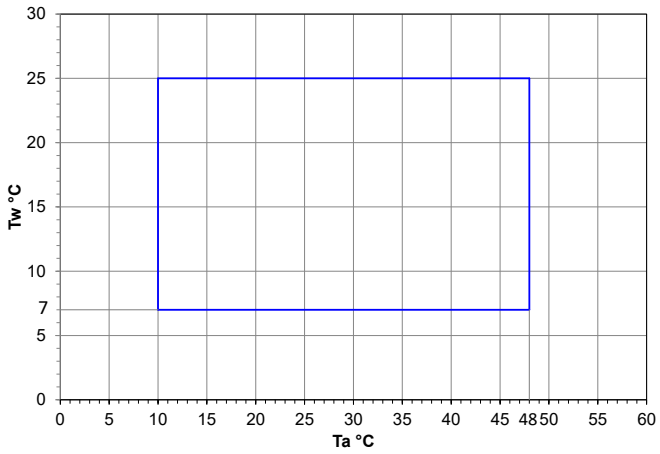
(*) Tank water temperature range

OPERATION RANGE

Heating Mode



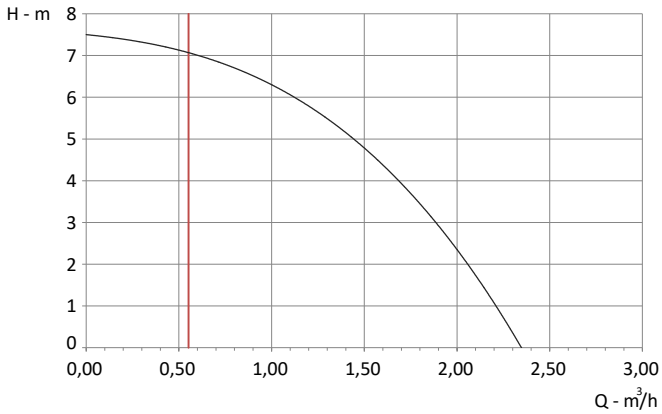
Cooling Mode



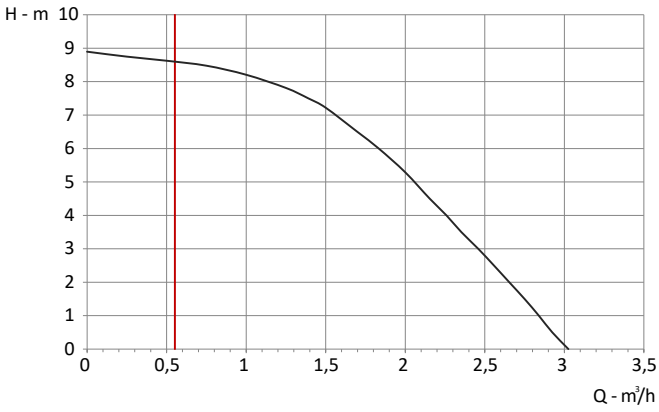
Ta = outdoor air temperature
Tw = outlet water temperature

AVAILABLE HEADS

PROCIDA AWM X 6 - 8



PROCIDA AWM X 10 - 12 - 14 - 16
PROCIDA AWM T 12 - 14 - 16



Minimum flow rate limit

PERFORMANCE TABLES PROCIDA AWM X6

Performance data table in heating mode PROCIDA AWM X6

	Ta °C - DB											
	-25		-20		-15		-10		-7		-2	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	3	4,18	3,36	4,48	3,78	4,71	4,14	5,09	4,32	5,24	5,1	5,58
30	2,94	3,38	3,3	3,72	3,72	3,91	4,08	4,29	4,26	4,44	5,1	4,71
35	2,4	2,77	2,88	2,92	3,42	3,19	3,9	3,49	4,2	3,65	5,04	3,95
40	2,4	2,54	2,88	2,81	3,42	3,08	3,9	3,3	4,14	3,46	5,04	3,72
45	-	-	2,88	2,51	3,42	2,73	3,9	2,92	4,08	3,08	4,98	3,3
50	-	-	-	-	3,42	2,28	3,72	2,47	4,02	2,58	4,86	2,77
55	-	-	-	-	-	-	3,6	2,09	3,96	2,16	4,74	2,32
60	-	-	-	-	-	-	-	-	3,9	1,86	4,62	1,94

Performance data table in heating mode PROCIDA AWM X6

	Ta °C - DB															
	2		7		10		15		20		25		30		35	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	5,88	5,85	6,24	6,04	6,54	6,34	6,02	6,91	5,96	7,22	5,41	7,59	4,75	8,13	3,7	8,39
30	5,76	5,01	6,12	5,51	6,54	5,77	6,34	6,3	6,29	6,65	5,7	6,95	5,01	7,33	3,9	7,71
35	5,7	4,1	6	4,94	6,48	5,2	6,54	5,58	6,48	5,96	5,88	6,19	5,16	6,53	4,02	6,87
40	5,7	3,87	6	4,41	6,48	4,59	6,54	5,05	6,48	5,24	5,88	5,54	5,16	5,85	4,02	6,19
45	5,7	3,46	6	3,8	6,42	3,99	6,54	4,33	6,48	4,56	5,88	4,78	5,16	5,01	4,02	5,32
50	5,58	2,89	5,76	3,27	6,3	3,42	6,34	3,72	6,29	3,91	5,7	4,1	5,01	4,33	3,9	4,56
55	5,4	2,43	5,52	2,77	6,18	2,92	6,02	3,15	5,96	3,34	5,41	3,49	4,75	3,65	3,7	3,87
60	5,28	2,09	5,28	2,35	6,06	2,47	5,69	2,7	5,64	2,85	5,12	2,96	4,49	3,11	3,5	3,3

Performance data table in cooling mode PROCIDA AWM X6

	Ta °C - DB															
	10		15		20		25		30		35		40		45		48	
LWT [°C]	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER
7	3,28	4,22	3,64	4,06	3,84	3,94	4,08	3,75	4,16	3,44	4	3,1	3,64	2,57	2,84	1,89	2,4	1,52
8	3,4	4,37	3,8	4,22	4	4,09	4,24	3,91	4,32	3,57	4,16	3,22	3,8	2,67	2,96	1,95	2,48	1,58
9	3,56	4,53	3,92	4,34	4,16	4,22	4,4	4	4,48	3,69	4,32	3,32	3,92	2,76	3,08	2,02	2,6	1,61
10	3,68	4,68	4,08	4,5	4,32	4,37	4,56	4,16	4,64	3,81	4,48	3,44	4,08	2,85	3,2	2,11	2,68	1,67
11	3,8	4,84	4,24	4,68	4,44	4,53	4,72	4,31	4,84	3,97	4,64	3,57	4,24	2,95	3,28	2,17	2,8	1,74
12	3,92	4,96	4,36	4,81	4,6	4,65	4,88	4,43	5	4,06	4,8	3,66	4,36	3,04	3,4	2,23	2,88	1,8
13	4,12	5,15	4,56	4,96	4,8	4,81	5,12	4,59	5,2	4,19	5	3,78	4,56	3,13	3,56	2,29	3	1,86
14	4,24	5,27	4,68	5,09	4,96	4,93	5,28	4,68	5,36	4,31	5,16	3,88	4,68	3,22	3,68	2,36	3,08	1,89
15	4,36	5,43	4,84	5,24	5,12	5,09	5,44	4,84	5,52	4,43	5,32	4	4,84	3,32	3,76	2,45	3,2	1,95
18	4,76	5,89	5,28	5,67	5,56	5,52	5,92	5,24	6,04	4,81	5,8	4,34	5,28	3,6	4,12	2,64	3,48	2,14
20	5	6,2	5,56	5,98	5,88	5,8	6,24	5,52	6,36	5,05	6,12	4,56	5,56	3,78	4,36	2,79	3,68	2,23
23	5,4	6,67	6	6,42	6,32	6,23	6,72	5,92	6,88	5,43	6,6	4,9	6	4,06	4,68	2,98	3,96	2,39
25	5,72	6,95	6,32	6,7	6,68	6,51	7,08	6,2	7,24	5,67	6,96	5,12	6,32	4,25	4,96	3,13	4,16	2,51

Ta = Outside air temperature, ° C
DB = Dry bulb
LWT = outlet water temperature (flow), °C
Qh = Rated power, Kw

PERFORMANCE TABLES PROCIDA AWM X8

Performance data table in heating mode PROCIDA AWM X8

	Ta °C - DB											
	-25		-20		-15		-10		-7		-2	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	3,75	3,83	4,2	4,05	4,73	4,31	5,18	4,5	5,4	4,76	6,38	4,99
30	3,68	3,15	4,13	3,41	4,65	3,64	5,1	3,86	5,33	4,09	6,38	4,28
35	3	2,7	3,6	2,85	4,28	3,04	4,88	3,3	5,25	3,49	6,3	3,71
40	3	2,36	3,6	2,63	4,28	2,85	4,88	3,04	5,18	3,19	6,3	3,45
45	-	-	3,6	2,36	4,28	2,59	4,88	2,81	5,1	2,93	6,23	3,11
50	-	-	-	-	4,28	2,25	4,65	2,44	5,03	2,55	6,08	2,74
55	-	-	-	-	-	-	4,50	2,1	4,95	2,21	5,93	2,4
60	-	-	-	-	-	-	-	-	4,88	1,95	5,78	2,06

Performance data table in heating mode PROCIDA AWM X8

	Ta °C - DB															
	2		7		10		15		20		25		30		35	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	7,35	5,18	7,8	5,4	8,18	5,63	7,52	6,15	7,45	6,53	6,76	6,49	5,93	7,05	4,62	7,46
30	7,2	4,5	7,65	4,99	8,18	5,29	7,93	5,66	7,86	6,04	7,13	6,04	6,26	6,53	4,87	6,98
35	7,13	3,83	7,5	4,58	8,1	4,84	8,18	5,25	8,1	5,48	7,35	5,48	6,45	6,08	5,03	6,45
40	7,13	3,64	7,5	4,16	8,1	4,39	8,18	4,76	8,1	4,99	7,35	4,95	6,45	5,48	5,03	5,85
45	7,13	3,3	7,5	3,75	8,03	3,94	8,18	4,28	8,1	4,5	7,35	4,73	6,45	4,95	5,03	5,25
50	6,98	2,85	7,2	3,34	7,88	3,49	7,93	3,83	7,86	4,01	7,13	4,2	6,26	4,39	4,87	4,69
55	6,75	2,51	6,9	2,93	7,73	3,08	7,52	3,34	7,45	3,53	6,76	3,68	5,93	3,86	4,62	4,13
60	6,6	2,18	6,6	2,59	7,58	2,66	7,11	2,85	7,05	3	6,39	3,15	5,61	3,3	4,37	3,53

Performance data table in cooling mode PROCIDA AWM X8

	Ta °C - DB															
	10		15		20		25		30		35		40		45		48	
LWT [°C]	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER
7	4,10	4,23	4,55	4,07	4,8	3,95	5,1	3,76	5,2	3,45	5	3,11	4,55	2,58	3,55	1,9	3	1,52
8	4,25	4,39	4,7	4,23	4,95	4,11	5,25	3,89	5,35	3,58	5,15	3,23	4,7	2,67	3,65	1,96	3,1	1,59
9	4,35	4,54	4,85	4,35	5,1	4,23	5,45	4,04	5,55	3,7	5,35	3,33	4,85	2,77	3,8	2,02	3,2	1,62
10	4,5	4,67	5	4,51	5,25	4,39	5,6	4,17	5,7	3,83	5,5	3,45	5	2,86	3,9	2,08	3,3	1,68
11	4,65	4,82	5,15	4,67	5,45	4,51	5,75	4,29	5,9	3,95	5,65	3,55	5,15	2,95	4	2,18	3,4	1,74
12	4,75	4,98	5,3	4,79	5,6	4,67	5,95	4,42	6,05	4,07	5,8	3,67	5,3	3,05	4,15	2,24	3,5	1,8
13	4,9	5,13	5,45	4,94	5,75	4,79	6,1	4,57	6,2	4,2	6	3,76	5,45	3,14	4,25	2,3	3,6	1,83
14	5,05	5,29	5,6	5,1	5,9	4,94	6,25	4,7	6,4	4,32	6,15	3,89	5,6	3,23	4,35	2,36	3,7	1,9
15	5,15	5,44	5,75	5,22	6,05	5,07	6,45	4,82	6,55	4,42	6,3	3,98	5,75	3,33	4,5	2,43	3,8	1,96
18	5,6	5,88	6,2	5,66	6,55	5,5	6,95	5,22	7,05	4,79	6,8	4,32	6,2	3,58	4,85	2,64	4,1	2,11
20	5,85	6,19	6,5	5,94	6,85	5,78	7,25	5,5	7,4	5,04	7,15	4,54	6,5	3,76	5,05	2,77	4,3	2,24
23	6,25	6,62	6,95	6,38	7,3	6,19	7,75	5,91	7,9	5,41	7,6	4,88	6,95	4,04	5,4	2,99	4,55	2,39
25	6,50	6,94	7,25	6,69	7,65	6,47	8,1	6,16	8,25	5,66	7,95	5,1	7,25	4,23	5,65	3,11	4,75	2,49

Ta = Outside air temperature, ° C
DB = Dry bulb
LWT = outlet water temperature (flow), °C
Qh = Rated power, Kw

PERFORMANCE TABLES PROCIDA AWM X10

Performance data table in heating mode PROCIDA AWM X10

	Ta °C - DB											
	-25		-20		-15		-10		-7		-2	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	5,00	3,77	5,6	4	6,3	4,26	6,9	4,44	7,2	4,7	8,5	4,92
30	4,9	3,11	5,5	3,37	6,2	3,59	6,8	3,81	7,1	4,03	8,5	4,22
35	4	2,66	4,8	2,81	5,7	3	6,5	3,26	7	3,44	8,4	3,66
40	4	2,33	4,8	2,59	5,7	2,81	6,5	3	6,9	3,15	8,4	3,4
45	-	-	4,80	2,33	5,7	2,55	6,5	2,78	6,8	2,89	8,3	3,07
50	-	-	-	-	5,70	2,22	6,2	2,41	6,7	2,52	8,1	2,7
55	-	-	-	-	-	-	6,00	2,07	6,6	2,18	7,9	2,37
60	-	-	-	-	-	-	-	-	6,50	1,92	7,7	2,04

Performance data table in heating mode PROCIDA AWM X10

	Ta °C - DB															
	2		7		10		15		20		25		30		35	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	9,8	5,11	10,4	5,33	10,9	5,55	10,03	6,07	9,94	6,44	9,02	6,4	7,91	6,96	6,16	7,36
30	9,6	4,44	10,2	4,92	10,9	5,22	10,57	5,59	10,48	5,96	9,51	5,96	8,34	6,44	6,5	6,88
35	9,5	3,77	10	4,51	10,8	4,77	10,9	5,18	10,8	5,4	9,8	5,4	8,6	5,99	6,7	6,36
40	9,5	3,59	10	4,11	10,8	4,33	10,9	4,7	10,8	4,92	9,8	4,88	8,6	5,4	6,7	5,77
45	9,5	3,26	10	3,7	10,7	3,89	10,9	4,22	10,8	4,44	9,8	4,66	8,6	4,88	6,7	5,18
50	9,3	2,81	9,6	3,29	10,5	3,44	10,57	3,77	10,48	3,96	9,51	4,14	8,34	4,33	6,5	4,63
55	9	2,48	9,2	2,89	10,3	3,03	10,03	3,29	9,94	3,48	9,02	3,63	7,91	3,81	6,16	4,07
60	8,8	2,15	8,8	2,55	10,1	2,63	9,48	2,81	9,4	2,96	8,53	3,11	7,48	3,26	5,83	3,48

Performance data table in cooling mode PROCIDA AWM X10

	Ta °C - DB															
	10		15		20		25		30		35		40		45		48	
LWT [°C]	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER
7	6,40	4,28	7,1	4,13	7,49	4	7,96	3,81	8,11	3,5	7,8	3,15	7,1	2,61	5,54	1,92	4,68	1,54
8	6,47	4,44	7,18	4,28	7,57	4,16	8,03	3,97	8,19	3,62	7,88	3,28	7,18	2,71	5,62	1,98	4,76	1,61
9	6,55	4,6	7,25	4,44	7,64	4,28	8,11	4,1	8,27	3,75	7,96	3,37	7,25	2,8	5,69	2,08	4,76	1,67
10	6,63	4,76	7,33	4,6	7,72	4,44	8,27	4,25	8,42	3,87	8,11	3,5	7,33	2,9	5,77	2,14	4,84	1,7
11	6,71	4,91	7,41	4,76	7,88	4,6	8,35	4,38	8,5	4,03	8,19	3,62	7,41	2,99	5,77	2,21	4,91	1,76
12	6,79	5,07	7,49	4,88	7,96	4,76	8,42	4,54	8,58	4,16	8,27	3,75	7,49	3,09	5,85	2,27	4,99	1,83
13	6,86	5,23	7,57	5,04	8,03	4,88	8,5	4,66	8,66	4,28	8,35	3,84	7,57	3,21	5,93	2,36	4,99	1,89
14	6,94	5,39	7,72	5,2	8,11	5,04	8,58	4,82	8,81	4,41	8,42	3,97	7,72	3,31	6,01	2,43	5,07	1,95
15	7,02	5,58	7,8	5,36	8,19	5,2	8,74	4,95	8,89	4,54	8,5	4,1	7,8	3,4	6,08	2,49	5,15	2,02
18	7,25	6,05	8,03	5,83	8,42	5,64	8,97	5,39	9,2	4,95	8,81	4,44	8,03	3,69	6,24	2,71	5,3	2,17
20	7,41	6,36	8,19	6,11	8,66	5,95	9,2	5,67	9,36	5,2	8,97	4,66	8,19	3,87	6,4	2,87	5,38	2,3
23	7,64	6,84	8,42	6,58	8,89	6,39	9,44	6,08	9,67	5,58	9,28	5,04	8,42	4,16	6,55	3,06	5,54	2,46
25	7,72	7,15	8,58	6,9	9,05	6,68	9,67	6,36	9,83	5,83	9,44	5,26	8,58	4,38	6,71	3,21	5,69	2,58

Ta = Outside air temperature, ° C
DB = Dry bulb
LWT = outlet water temperature (flow), °C
Qh = Rated power, Kw

PERFORMANCE TABLES PROCIDA AWM X12

Performance data table in heating mode PROCIDA AWM X12

	Ta °C - DB											
	-25		-20		-15		-10		-7		-2	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	6,00	3,79	6,72	4,07	7,56	4,28	8,28	4,62	8,64	4,76	10,2	5,07
30	5,88	3,07	6,6	3,38	7,44	3,55	8,16	3,9	8,52	4,03	10,2	4,28
35	4,80	2,52	5,76	2,66	6,84	2,9	7,8	3,17	8,4	3,31	10,08	3,59
40	4,80	2,31	5,76	2,55	6,84	2,79	7,8	3	8,28	3,14	10,08	3,38
45	-	-	5,76	2,28	6,84	2,48	7,8	2,66	8,16	2,79	9,96	3
50	-	-	-	-	6,84	2,07	7,44	2,24	8,04	2,34	9,72	2,52
55	-	-	-	-	-	-	7,20	1,9	7,92	1,97	9,48	2,1
60	-	-	-	-	-	-	-	-	7,80	1,69	9,24	1,76

Performance data table in heating mode PROCIDA AWM X12

	Ta °C - DB															
	2		7		10		15		20		25		30		35	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	11,76	5,31	12,48	5,48	13,08	5,76	12,03	6,28	11,92	6,55	10,82	6,9	9,49	7,38	7,4	7,62
30	11,52	4,55	12,24	5	13,08	5,24	12,69	5,72	12,57	6,03	11,41	6,31	10,01	6,66	7,8	7
35	11,4	3,72	12	4,48	12,96	4,72	13,08	5,07	12,96	5,41	11,76	5,62	10,32	5,93	8,04	6,24
40	11,4	3,52	12	4	12,96	4,17	13,08	4,59	12,96	4,76	11,76	5,03	10,32	5,31	8,04	5,62
45	11,4	3,14	12	3,45	12,84	3,62	13,08	3,93	12,96	4,14	11,76	4,34	10,32	4,55	8,04	4,83
50	11,16	2,62	11,52	2,97	12,6	3,1	12,69	3,38	12,57	3,55	11,41	3,72	10,01	3,93	7,8	4,14
55	10,8	2,21	11,04	2,52	12,36	2,66	12,03	2,86	11,92	3,03	10,82	3,17	9,49	3,31	7,4	3,52
60	10,56	1,9	10,56	2,14	12,12	2,24	11,38	2,45	11,28	2,59	10,23	2,69	8,98	2,83	6,99	3

Performance data table in cooling mode PROCIDA AWM X12

	Ta °C - DB															
	10		15		20		25		30		35		40		45		48	
LWT [°C]	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER
7	7,79	4,04	8,65	3,89	9,12	3,77	9,69	3,59	9,88	3,3	9,5	2,97	8,65	2,47	6,75	1,81	5,7	1,46
8	7,89	4,19	8,74	4,04	9,22	3,92	9,79	3,74	10,07	3,42	9,6	3,09	8,74	2,55	6,84	1,87	5,8	1,51
9	7,98	4,37	8,93	4,19	9,41	4,07	9,98	3,86	10,17	3,56	9,79	3,21	8,93	2,64	6,94	1,96	5,89	1,57
10	8,17	4,51	9,03	4,34	9,5	4,22	10,07	4,01	10,36	3,68	9,88	3,33	9,03	2,76	7,03	2,02	5,99	1,63
11	8,27	4,66	9,12	4,48	9,69	4,37	10,26	4,16	10,45	3,8	10,07	3,45	9,12	2,85	7,13	2,11	5,99	1,69
12	8,36	4,84	9,31	4,66	9,79	4,51	10,36	4,31	10,64	3,95	10,17	3,56	9,31	2,94	7,22	2,17	6,08	1,75
13	8,46	4,99	9,41	4,81	9,88	4,66	10,55	4,43	10,74	4,07	10,36	3,65	9,41	3,03	7,32	2,23	6,18	1,78
14	8,55	5,14	9,5	4,96	10,07	4,81	10,64	4,57	10,93	4,19	10,45	3,77	9,5	3,15	7,41	2,32	6,27	1,84
15	8,74	5,32	9,69	5,11	10,17	4,96	10,83	4,72	11,02	4,34	10,64	3,89	9,69	3,24	7,51	2,38	6,37	1,9
18	9,03	5,76	10,07	5,55	10,55	5,41	11,21	5,14	11,5	4,72	11,02	4,25	10,07	3,53	7,79	2,58	6,65	2,08
20	9,31	6,09	10,26	5,88	10,83	5,7	11,5	5,41	11,78	4,96	11,31	4,48	10,26	3,71	7,98	2,73	6,75	2,2
23	9,60	6,56	10,64	6,33	11,21	6,12	11,97	5,85	12,16	5,35	11,69	4,84	10,64	4,01	8,36	2,94	7,03	2,38
25	9,79	6,89	10,93	6,62	11,5	6,42	12,26	6,12	12,45	5,61	11,97	5,05	10,93	4,19	8,55	3,09	7,22	2,47

Ta = Outside air temperature, ° C
DB = Dry bulb
LWT = outlet water temperature (flow), °C
Qh = Rated power, Kw

PERFORMANCE TABLES PROCIDA AWM X14

Performance data table in heating mode PROCIDA AWM X14

	Ta °C - DB											
	-25		-20		-15		-10		-7		-2	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	7,00	3,69	7,84	3,95	8,82	4,15	9,66	4,49	10,08	4,62	11,9	4,92
30	6,86	2,98	7,7	3,28	8,68	3,45	9,52	3,79	9,94	3,92	11,9	4,15
35	5,60	2,45	6,72	2,58	7,98	2,81	9,1	3,08	9,8	3,22	11,76	3,48
40	5,60	2,24	6,72	2,48	7,98	2,71	9,1	2,91	9,66	3,05	11,76	3,28
45	-	-	6,72	2,21	7,98	2,41	9,1	2,58	9,52	2,71	11,62	2,91
50	-	-	-	-	7,98	2,01	8,68	2,18	9,38	2,28	11,34	2,45
55	-	-	-	-	-	-	8,40	1,84	9,24	1,91	11,06	2,04
60	-	-	-	-	-	-	-	-	9,10	1,64	10,78	1,71

Performance data table in heating mode PROCIDA AWM X14

	Ta °C - DB															
	2		7		10		15		20		25		30		35	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	13,72	5,16	14,56	5,33	15,26	5,59	14,04	6,1	13,91	6,37	12,62	6,7	11,08	7,17	8,63	7,4
30	13,44	4,42	14,28	4,86	15,26	5,09	14,8	5,56	14,67	5,86	13,31	6,13	11,68	6,47	9,1	6,8
35	13,3	3,62	14	4,36	15,12	4,59	15,26	4,92	15,12	5,26	13,72	5,46	12,04	5,76	9,38	6,06
40	13,3	3,42	14	3,89	15,12	4,05	15,26	4,46	15,12	4,62	13,72	4,89	12,04	5,16	9,38	5,46
45	13,3	3,05	14	3,35	14,98	3,52	15,26	3,82	15,12	4,02	13,72	4,22	12,04	4,42	9,38	4,69
50	13,02	2,55	13,44	2,88	14,7	3,02	14,8	3,28	14,67	3,45	13,31	3,62	11,68	3,82	9,1	4,02
55	12,6	2,14	12,88	2,45	14,42	2,58	14,04	2,78	13,91	2,95	12,62	3,08	11,08	3,22	8,63	3,42
60	12,32	1,84	12,32	2,08	14,14	2,18	13,28	2,38	13,15	2,51	11,94	2,61	10,47	2,75	8,16	2,91

Performance data table in cooling mode PROCIDA AWM X14

	Ta °C - DB															
	10		15		20		25		30		35		40		45		48	
LWT [°C]	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER
7	9,84	3,94	10,92	3,8	11,52	3,68	12,24	3,51	12,48	3,22	12	2,9	10,92	2,41	8,52	1,77	7,2	1,42
8	9,84	4,09	10,92	3,94	11,52	3,83	12,24	3,63	12,48	3,34	12	3,02	10,92	2,49	8,52	1,83	7,2	1,48
9	9,96	4,23	11,04	4,09	11,64	3,94	12,36	3,77	12,6	3,45	12,12	3,1	11,04	2,58	8,64	1,89	7,2	1,54
10	9,96	4,38	11,04	4,21	11,64	4,09	12,36	3,89	12,6	3,57	12,12	3,22	11,04	2,67	8,64	1,97	7,32	1,57
11	9,96	4,52	11,04	4,35	11,64	4,21	12,36	4,03	12,72	3,68	12,12	3,34	11,04	2,76	8,64	2,03	7,32	1,62
12	9,96	4,67	11,16	4,5	11,76	4,35	12,48	4,15	12,72	3,8	12,24	3,42	11,16	2,84	8,64	2,09	7,32	1,68
13	10,08	4,81	11,16	4,64	11,76	4,5	12,48	4,26	12,72	3,92	12,24	3,54	11,16	2,93	8,76	2,15	7,32	1,74
14	10,08	4,96	11,16	4,76	11,76	4,61	12,6	4,41	12,84	4,03	12,36	3,63	11,16	3,02	8,76	2,23	7,44	1,77
15	10,08	5,1	11,28	4,9	11,88	4,76	12,6	4,52	12,84	4,15	12,36	3,74	11,28	3,1	8,76	2,29	7,44	1,83
18	10,2	5,51	11,4	5,31	12	5,16	12,72	4,9	12,96	4,5	12,48	4,06	11,4	3,36	8,88	2,47	7,44	2
20	10,32	5,8	11,4	5,6	12,12	5,42	12,84	5,16	13,08	4,73	12,6	4,26	11,4	3,54	8,88	2,61	7,56	2,09
23	10,44	6,24	11,52	6	12,24	5,83	12,96	5,54	13,2	5,1	12,72	4,58	11,52	3,8	9	2,78	7,56	2,26
25	10,44	6,53	11,64	6,29	12,24	6,09	13,08	5,8	13,32	5,34	12,84	4,79	11,64	3,97	9,12	2,93	7,68	2,35

Ta = Outside air temperature, ° C
DB = Dry bulb
LWT = outlet water temperature (flow), °C
Qh = Rated power, Kw

PERFORMANCE TABLES PROCIDA AWM X16

Performance data table in heating mode PROCIDA AWM X16

	Ta °C - DB											
	-25		-20		-15		-10		-7		-2	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	7,75	3,63	8,68	3,89	9,77	4,09	10,7	4,42	11,16	4,55	13,18	4,85
30	7,60	2,94	8,53	3,23	9,61	3,4	10,54	3,73	11,01	3,86	13,18	4,09
35	6,20	2,41	7,44	2,54	8,84	2,77	10,08	3,04	10,85	3,17	13,02	3,43
40	6,20	2,21	7,44	2,44	8,84	2,67	10,08	2,87	10,7	3	13,02	3,23
45	-	-	7,44	2,18	8,84	2,38	10,08	2,54	10,54	2,67	12,87	2,87
50	-	-	-	-	8,84	1,98	9,61	2,15	10,39	2,24	12,56	2,41
55	-	-	-	-	-	-	9,30	1,82	10,23	1,88	12,25	2,01
60	-	-	-	-	-	-	-	-	10,08	1,62	11,94	1,68

Performance data table in heating mode PROCIDA AWM X16

	Ta °C - DB															
	2		7		10		15		20		25		30		35	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	15,19	5,08	16,12	5,25	16,9	5,51	15,54	6,01	15,4	6,27	13,97	6,6	12,26	7,06	9,55	7,29
30	14,88	4,36	15,81	4,79	16,9	5,02	16,39	5,48	16,24	5,78	14,73	6,04	12,93	6,37	10,07	6,7
35	14,73	3,56	15,5	4,29	16,74	4,52	16,9	4,85	16,74	5,18	15,19	5,38	13,33	5,68	10,39	5,97
40	14,73	3,37	15,5	3,83	16,74	3,99	16,9	4,39	16,74	4,55	15,19	4,82	13,33	5,08	10,39	5,38
45	14,73	3	15,5	3,3	16,59	3,47	16,9	3,76	16,74	3,96	15,19	4,16	13,33	4,36	10,39	4,62
50	14,42	2,51	14,88	2,84	16,28	2,97	16,39	3,23	16,24	3,4	14,73	3,56	12,93	3,76	10,07	3,96
55	13,95	2,11	14,26	2,41	15,97	2,54	15,54	2,74	15,4	2,9	13,97	3,04	12,26	3,17	9,55	3,37
60	13,64	1,82	13,64	2,05	15,66	2,15	14,7	2,34	14,56	2,48	13,22	2,57	11,6	2,71	9,03	2,87

Performance data table in cooling mode PROCIDA AWM X16

	Ta °C - DB															
	10		15		20		25		30		35		40		45		48	
LWT [°C]	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER
7	10,66	3,56	11,83	3,43	12,48	3,33	13,26	3,17	13,52	2,91	13	2,62	11,83	2,17	9,23	1,6	7,8	1,28
8	10,79	3,69	11,96	3,56	12,61	3,46	13,39	3,3	13,65	3,01	13,13	2,72	11,96	2,25	9,36	1,65	7,93	1,34
9	10,92	3,85	12,09	3,69	12,74	3,59	13,52	3,43	13,78	3,14	13,26	2,83	12,09	2,36	9,49	1,73	7,93	1,39
10	11,05	3,98	12,22	3,85	12,87	3,72	13,65	3,56	13,91	3,25	13,39	2,93	12,22	2,44	9,49	1,78	8,06	1,44
11	11,18	4,14	12,35	3,98	13	3,85	13,78	3,67	14,17	3,38	13,52	3,04	12,35	2,52	9,62	1,86	8,19	1,49
12	11,18	4,27	12,48	4,11	13,13	3,98	14,04	3,8	14,3	3,48	13,65	3,14	12,48	2,62	9,75	1,91	8,19	1,55
13	11,31	4,43	12,61	4,24	13,26	4,11	14,17	3,93	14,43	3,62	13,91	3,25	12,61	2,7	9,88	1,99	8,32	1,6
14	11,44	4,56	12,74	4,4	13,39	4,27	14,3	4,06	14,56	3,72	14,04	3,35	12,74	2,78	9,88	2,04	8,45	1,65
15	11,57	4,72	12,87	4,53	13,52	4,4	14,43	4,19	14,69	3,85	14,17	3,46	12,87	2,88	10,01	2,12	8,45	1,7
18	11,96	5,14	13,26	4,95	14,04	4,79	14,82	4,56	15,08	4,19	14,56	3,77	13,26	3,14	10,4	2,31	8,71	1,86
20	12,22	5,42	13,52	5,21	14,3	5,06	15,08	4,82	15,47	4,43	14,82	3,98	13,52	3,3	10,53	2,44	8,97	1,94
23	12,48	5,84	13,91	5,63	14,69	5,45	15,6	5,19	15,86	4,77	15,21	4,3	13,91	3,56	10,79	2,62	9,1	2,1
25	12,74	6,13	14,17	5,9	14,95	5,71	15,86	5,45	16,12	5	15,6	4,51	14,17	3,75	11,05	2,75	9,36	2,2

Ta = Outside air temperature, ° C
DB = Dry bulb
LWT = outlet water temperature (flow), °C
Qh = Rated power, Kw

PERFORMANCE TABLES PROCIDA AWM T12

Performance data table in heating mode PROCIDA AWM T12

	Ta °C - DB											
	-25		-20		-15		-10		-7		-2	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	6,00	3,8	6,72	4,07	7,56	4,28	8,28	4,62	8,64	4,76	10,2	5,07
30	5,88	3,07	6,6	3,38	7,44	3,55	8,16	3,9	8,52	4,04	10,2	4,28
35	4,80	2,52	5,76	2,66	6,84	2,9	7,8	3,17	8,4	3,31	10,08	3,59
40	4,80	2,31	5,76	2,55	6,84	2,79	7,8	3	8,28	3,14	10,08	3,38
45	-	-	5,76	2,28	6,84	2,48	7,8	2,66	8,16	2,79	9,96	3
50	-	-	-	-	6,84	2,07	7,44	2,24	8,04	2,35	9,72	2,52
55	-	-	-	-	-	-	7,20	1,9	7,92	1,97	9,48	2,1
60	-	-	-	-	-	-	-	-	7,80	1,69	9,24	1,76

Performance data table in heating mode PROCIDA AWM T12

	Ta °C - DB															
	2		7		10		15		20		25		30		35	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	11,76	5,31	12,48	5,49	13,08	5,76	12,03	6,28	11,92	6,56	10,82	6,9	9,49	7,38	7,4	7,62
30	11,52	4,55	12,24	5	13,08	5,24	12,69	5,73	12,57	6,04	11,41	6,31	10,01	6,66	7,8	7
35	11,4	3,73	12	4,49	12,96	4,73	13,08	5,07	12,96	5,42	11,76	5,62	10,32	5,93	8,04	6,24
40	11,4	3,52	12	4	12,96	4,17	13,08	4,59	12,96	4,76	11,76	5,04	10,32	5,31	8,04	5,62
45	11,4	3,14	12	3,45	12,84	3,62	13,08	3,93	12,96	4,14	11,76	4,35	10,32	4,55	8,04	4,83
50	11,16	2,62	11,52	2,97	12,6	3,11	12,69	3,38	12,57	3,55	11,41	3,73	10,01	3,93	7,8	4,14
55	10,8	2,21	11,04	2,52	12,36	2,66	12,03	2,86	11,92	3,04	10,82	3,17	9,49	3,31	7,4	3,52
60	10,56	1,9	10,56	2,14	12,12	2,24	11,38	2,45	11,28	2,59	10,23	2,69	8,98	2,83	6,99	3

Performance data table in cooling mode PROCIDA AWM T12

	Ta °C - DB															
	10		15		20		25		30		35		40		45		48	
LWT [°C]	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER
7	7,79	4,15	8,65	4	9,12	3,87	9,69	3,69	9,88	3,39	9,5	3,05	8,65	2,53	6,75	1,86	5,7	1,49
8	7,89	4,3	8,74	4,15	9,22	4,03	9,79	3,81	10,07	3,51	9,6	3,17	8,74	2,62	6,84	1,92	5,8	1,56
9	7,98	4,45	8,93	4,27	9,41	4,15	9,98	3,97	10,17	3,63	9,79	3,26	8,93	2,71	6,94	1,98	5,89	1,59
10	8,17	4,58	9,03	4,42	9,5	4,3	10,07	4,09	10,36	3,75	9,88	3,39	9,03	2,81	7,03	2,04	5,99	1,65
11	8,27	4,73	9,12	4,58	9,69	4,42	10,26	4,21	10,45	3,87	10,07	3,48	9,12	2,9	7,13	2,14	5,99	1,71
12	8,36	4,88	9,31	4,7	9,79	4,58	10,36	4,33	10,64	4	10,17	3,6	9,31	2,99	7,22	2,2	6,08	1,77
13	8,46	5,03	9,41	4,85	9,88	4,7	10,55	4,48	10,74	4,12	10,36	3,69	9,41	3,08	7,32	2,26	6,18	1,8
14	8,55	5,19	9,5	5	10,07	4,85	10,64	4,61	10,93	4,24	10,45	3,81	9,5	3,17	7,41	2,32	6,27	1,86
15	8,74	5,34	9,69	5,12	10,17	4,97	10,83	4,73	11,02	4,33	10,64	3,9	9,69	3,26	7,51	2,38	6,37	1,92
18	9,03	5,76	10,07	5,55	10,55	5,4	11,21	5,12	11,5	4,7	11,02	4,24	10,07	3,51	7,79	2,59	6,65	2,07
20	9,31	6,07	10,26	5,83	10,83	5,67	11,5	5,4	11,78	4,94	11,31	4,45	10,26	3,69	7,98	2,71	6,75	2,2
23	9,60	6,5	10,64	6,25	11,21	6,07	11,97	5,8	12,16	5,31	11,69	4,79	10,64	3,97	8,36	2,93	7,03	2,35
25	9,79	6,8	10,93	6,56	11,5	6,34	12,26	6,04	12,45	5,55	11,97	5	10,93	4,15	8,55	3,05	7,22	2,44

Ta = Outside air temperature, ° C
DB = Dry bulb
LWT = outlet water temperature (flow), °C
Qh = Rated power, Kw

PERFORMANCE TABLES PROCIDA AWM T14

Performance data table in heating mode PROCIDA AWM T14

	Ta °C - DB											
	-25		-20		-15		-10		-7		-2	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	7,00	3,69	7,84	3,95	8,82	4,15	9,66	4,49	10,08	4,62	11,9	4,92
30	6,86	2,98	7,7	3,28	8,68	3,45	9,52	3,79	9,94	3,92	11,9	4,15
35	5,60	2,45	6,72	2,58	7,98	2,81	9,1	3,08	9,8	3,22	11,76	3,48
40	5,60	2,24	6,72	2,48	7,98	2,71	9,1	2,91	9,66	3,05	11,76	3,28
45	-	-	6,72	2,21	7,98	2,41	9,1	2,58	9,52	2,71	11,62	2,91
50	-	-	-	-	7,98	2,01	8,68	2,18	9,38	2,28	11,34	2,45
55	-	-	-	-	-	-	8,40	1,84	9,24	1,91	11,06	2,04
60	-	-	-	-	-	-	-	-	9,10	1,64	10,78	1,71

Performance data table in heating mode PROCIDA AWM T14

	Ta °C - DB															
	2		7		10		15		20		25		30		35	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	13,72	5,16	14,56	5,33	15,26	5,59	14,04	6,1	13,91	6,37	12,62	6,7	11,08	7,17	8,63	7,4
30	13,44	4,42	14,28	4,86	15,26	5,09	14,8	5,56	14,67	5,86	13,31	6,13	11,68	6,47	9,1	6,8
35	13,3	3,62	14	4,36	15,12	4,59	15,26	4,92	15,12	5,26	13,72	5,46	12,04	5,76	9,38	6,06
40	13,3	3,42	14	3,89	15,12	4,05	15,26	4,46	15,12	4,62	13,72	4,89	12,04	5,16	9,38	5,46
45	13,3	3,05	14	3,35	14,98	3,52	15,26	3,82	15,12	4,02	13,72	4,22	12,04	4,42	9,38	4,69
50	13,02	2,55	13,44	2,88	14,7	3,02	14,8	3,28	14,67	3,45	13,31	3,62	11,68	3,82	9,1	4,02
55	12,6	2,14	12,88	2,45	14,42	2,58	14,04	2,78	13,91	2,95	12,62	3,08	11,08	3,22	8,63	3,42
60	12,32	1,84	12,32	2,08	14,14	2,18	13,28	2,38	13,15	2,51	11,94	2,61	10,47	2,75	8,16	2,91

Performance data table in cooling mode PROCIDA AWM T14

	Ta °C - DB															
	10		15		20		25		30		35		40		45		48	
LWT [°C]	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER
7	9,84	3,73	10,92	3,59	11,52	3,48	12,24	3,32	12,48	3,04	12	2,74	10,92	2,27	8,52	1,67	7,2	1,34
8	9,84	3,89	10,92	3,75	11,52	3,64	12,24	3,45	12,48	3,18	12	2,85	10,92	2,38	8,52	1,75	7,2	1,4
9	9,96	4,06	11,04	3,89	11,64	3,78	12,36	3,62	12,6	3,32	12,12	2,99	11,04	2,47	8,64	1,81	7,2	1,45
10	9,96	4,22	11,04	4,06	11,64	3,95	12,36	3,75	12,6	3,45	12,12	3,1	11,04	2,58	8,64	1,89	7,32	1,51
11	9,96	4,38	11,04	4,22	11,64	4,08	12,36	3,89	12,72	3,56	12,12	3,21	11,04	2,66	8,64	1,97	7,32	1,59
12	9,96	4,55	11,16	4,38	11,76	4,25	12,48	4,03	12,72	3,7	12,24	3,34	11,16	2,77	8,64	2,03	7,32	1,64
13	10,08	4,71	11,16	4,52	11,76	4,38	12,48	4,19	12,72	3,84	12,24	3,45	11,16	2,88	8,76	2,11	7,32	1,7
14	10,08	4,88	11,16	4,69	11,76	4,55	12,6	4,33	12,84	3,97	12,36	3,59	11,16	2,96	8,76	2,19	7,44	1,75
15	10,08	5,01	11,28	4,85	11,88	4,69	12,6	4,47	12,84	4,11	12,36	3,7	11,28	3,07	8,76	2,25	7,44	1,81
18	10,2	5,51	11,4	5,32	12	5,15	12,72	4,9	12,96	4,49	12,48	4,06	11,4	3,37	8,88	2,47	7,44	2
20	10,32	5,84	11,4	5,62	12,12	5,45	12,84	5,21	13,08	4,77	12,6	4,3	11,4	3,56	8,88	2,63	7,56	2,11
23	10,44	6,33	11,52	6,08	12,24	5,92	12,96	5,62	13,2	5,15	12,72	4,66	11,52	3,86	9	2,85	7,56	2,27
25	10,44	6,66	11,64	6,41	12,24	6,22	13,08	5,92	13,32	5,43	12,84	4,9	11,64	4,06	9,12	2,99	7,68	2,38

Ta = Outside air temperature, ° C
DB = Dry bulb
LWT = outlet water temperature (flow), °C
Qh = Rated power, Kw

PERFORMANCE TABLES PROCIDA AWM T16

Performance data table in heating mode PROCIDA AWM T16

	Ta °C - DB											
	-25		-20		-15		-10		-7		-2	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	7,75	3,63	8,68	3,89	9,77	4,09	10,7	4,42	11,16	4,55	13,18	4,85
30	7,60	2,94	8,53	3,23	9,61	3,4	10,54	3,73	11,01	3,86	13,18	4,09
35	6,20	2,41	7,44	2,54	8,84	2,77	10,08	3,04	10,85	3,17	13,02	3,43
40	6,20	2,21	7,44	2,44	8,84	2,67	10,08	2,87	10,7	3	13,02	3,23
45	-	-	7,44	2,18	8,84	2,38	10,08	2,54	10,54	2,67	12,87	2,87
50	-	-	-	-	8,84	1,98	9,61	2,15	10,39	2,24	12,56	2,41
55	-	-	-	-	-	-	9,30	1,82	10,23	1,88	12,25	2,01
60	-	-	-	-	-	-	-	-	10,08	1,62	11,94	1,68

Performance data table in heating mode PROCIDA AWM T16

	Ta °C - DB															
	2		7		10		15		20		25		30		35	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	15,19	5,08	16,12	5,25	16,9	5,51	15,54	6,01	15,4	6,27	13,97	6,6	12,26	7,06	9,55	7,29
30	14,88	4,36	15,81	4,79	16,9	5,02	16,39	5,48	16,24	5,78	14,73	6,04	12,93	6,37	10,07	6,7
35	14,73	3,56	15,5	4,29	16,74	4,52	16,9	4,85	16,74	5,18	15,19	5,38	13,33	5,68	10,39	5,97
40	14,73	3,37	15,5	3,83	16,74	3,99	16,9	4,39	16,74	4,55	15,19	4,82	13,33	5,08	10,39	5,38
45	14,73	3	15,5	3,3	16,59	3,47	16,9	3,76	16,74	3,96	15,19	4,16	13,33	4,36	10,39	4,62
50	14,42	2,51	14,88	2,84	16,28	2,97	16,39	3,23	16,24	3,4	14,73	3,56	12,93	3,76	10,07	3,96
55	13,95	2,11	14,26	2,41	15,97	2,54	15,54	2,74	15,4	2,9	13,97	3,04	12,26	3,17	9,55	3,37
60	13,64	1,82	13,64	2,05	15,66	2,15	14,7	2,34	14,56	2,48	13,22	2,57	11,6	2,71	9,03	2,87

Performance data table in cooling mode PROCIDA AWM T16

	Ta °C - DB															
	10		15		20		25		30		35		40		45		48	
LWT [°C]	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER
7	10,66	3,6	11,83	3,47	12,48	3,37	13,26	3,21	13,52	2,94	13	2,65	11,83	2,2	9,23	1,62	7,8	1,3
8	10,79	3,74	11,96	3,6	12,61	3,5	13,39	3,34	13,65	3,05	13,13	2,76	11,96	2,28	9,36	1,67	7,93	1,35
9	10,92	3,9	12,09	3,74	12,74	3,63	13,52	3,45	13,78	3,18	13,26	2,86	12,09	2,36	9,49	1,75	7,93	1,4
10	11,05	4,03	12,22	3,87	12,87	3,76	13,65	3,58	13,91	3,29	13,39	2,97	12,22	2,46	9,49	1,8	8,06	1,46
11	11,18	4,16	12,35	4	13	3,9	13,78	3,71	14,17	3,39	13,52	3,07	12,35	2,54	9,62	1,88	8,19	1,51
12	11,18	4,32	12,48	4,16	13,13	4,03	14,04	3,84	14,3	3,52	13,65	3,18	12,48	2,62	9,75	1,93	8,19	1,56
13	11,31	4,45	12,61	4,29	13,26	4,16	14,17	3,95	14,43	3,63	13,91	3,26	12,61	2,7	9,88	1,99	8,32	1,59
14	11,44	4,58	12,74	4,43	13,39	4,29	14,3	4,08	14,56	3,74	14,04	3,37	12,74	2,81	9,88	2,07	8,45	1,64
15	11,57	4,74	12,87	4,56	13,52	4,43	14,43	4,21	14,69	3,87	14,17	3,47	12,87	2,89	10,01	2,12	8,45	1,7
18	11,96	5,14	13,26	4,96	14,04	4,82	14,82	4,58	15,08	4,21	14,56	3,79	13,26	3,15	10,4	2,31	8,71	1,86
20	12,22	5,43	13,52	5,25	14,3	5,09	15,08	4,82	15,47	4,43	14,82	4	13,52	3,31	10,53	2,44	8,97	1,96
23	12,48	5,86	13,91	5,64	14,69	5,46	15,6	5,22	15,86	4,77	15,21	4,32	13,91	3,58	10,79	2,62	9,1	2,12
25	12,74	6,15	14,17	5,91	14,95	5,72	15,86	5,46	16,12	5,01	15,6	4,51	14,17	3,74	11,05	2,76	9,36	2,2

Ta = Outside air temperature, ° C
DB = Dry bulb
LWT = outlet water temperature (flow), °C
Qh = Rated power, Kw

PROCIDA AWS

INVERTER AIR-TO-WATER SPLIT HEAT PUMP
WATER PRODUCTION FOR HEATING AND COOLING

- **CLASS A+++ (for average climate conditions and for low-temperature application, according to EU regulation 811/2013, EN 14825)**
- **High COP for heating performance**
- **Touch-screen control panel with user interface provided as standard and fitted on indoor unit**
- **The hydronic circuit is housed inside the wall-hung unit to be installed indoor**
- **Reduced impact on global warming thanks to the use of R32 gas (GWP = 675)**
- **It can be combined with water tanks for domestic hot water production (3-way valve is included in the hydraulic unit of the indoor unit)**
- **Included in the price: heat pump, control panel, water filter and tank probe**
- Integrated hydraulic unit with heating element on system side, expansion vessel, high efficiency pump, plate exchanger, flow switch, vent and safety valve
- Twin rotary DC inverter compressor and brushless DC inverter axial fan
- Hydrophilic treated finned coil - Improved resistance to corrosion and condensation formation prevention
- Electronic expansion valve for refrigerant fluid optimisation
- Heating element on the base of the outdoor unit (prevents ice formation)
- Climate control and "Quiet" function for silent mode

HEAT PUMP INTERFACE

- *Touch-screen display*
- *Management of operating modes, system components and heating integration systems, parameters setting*
- *Weekly programming by time slots*
- *Anti-legionella cycle management*

Available in the following models:

4 6 8 10

Model	Refrigerant Gas	Code	Description	Nominal heating capacity (1)		Seasonal energy efficiency class of ambient heating (2)		Packaging dimensions W x H x D	Gross weight
				Water T 35°C kW	Water T 55°C kW	Water T 35°C	Water T 55°C	mm	kg
AWS X4	R32	DPBXXXWS04	PROCIDA AWS 4 (O) - o. u.	4,00	3,70	A+++	A++	1028x830x458	65
		DPBXXXWU04	PROCIDA IWU 4 - i. u.					1130x565x375	71
AWS X6	R32	DPBXXXWS06	PROCIDA AWS 6 (O) - o. u.	6,00	5,90	A+++	A++	1028x830x458	65
		DPBXXXWU06	PROCIDA IWU 6 - i. u.					1130x565x375	71
AWS X8	R32	DPBXXXWS08	PROCIDA AWS 8 (O) - o. u.	8,00	7,40	A+++	A++	1097x937x478	92
		DPBXXXWU08	PROCIDA IWU 8 - i. u.					1130x565x375	71
AWS X10	R32	DPBXXXWS10	PROCIDA AWS 10 (O) - o. u.	9,50	8,70	A+++	A++	1097x937x478	92
		DPBXXXWU10	PROCIDA IWU 10 - i. u.					1130x565x375	71

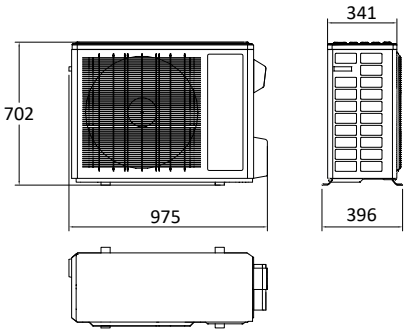
o. u. = outdoor unit - i. u. = indoor unit
(1) Outdoor air T 7°C dry bulb/6°C wet bulb
Inlet water T / outlet water T: 30 / 35 °C - Inlet water T / outlet water T: 50 / 55°C
According to EN 14511
(2) According to EN 14825

PROCIDA AWS 4 - 6 outdoor unit

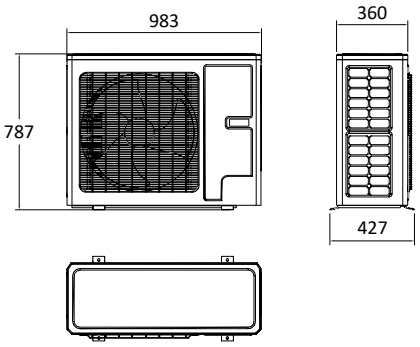
PROCIDA AWS 8 - 10 outdoor unit

PROCIDA IWU 4- 6- 8 - 10 indoor unit

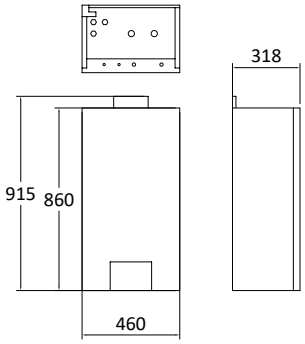
DIMENSIONS AND CONNECTION CENTRE DISTANCES



mod. Procida AWS 4 - 6 outdoor unit



mod. Procida AWS 8 - 10 outdoor unit



mod. Procida IWU 4- 6- 8 - 10 indoor unit

OUTDOOR UNIT TECHNICAL DATA

Technical data	um	AWS 4 (O)	AWS 6 (O)	AWS 8 (O)	AWS 10 (O)
Dimensions (W x H x D)	mm	975 x 702 x 396	975 x 702 x 396	983 x 787 x 427	983 x 787 x 427
Net weight	kg	55	55	82	82
Gross weight	kg	65	65	92	92
Refrigerant Gas	-	R32	R32	R32	R32
GWP	-	675	675	675	675
Refrigerant gas charge content	kg/tonnes of CO_2 eq	1,0 / 0,675	1,0 / 0,675	1,6 / 1,08	1,6 / 1,08
Sound power level, outdoors L_{WA}	dB (A)	62	62	67	68
Compressor	-	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter
Variable speed fan	no.	1	1	1	1
Air flow rate	m^3/h	3200	3200	3300	3300
Power supply voltage/frequency	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Voltage range	V	220 - 240	220 - 240	220 - 240	220 - 240
Maximum current consumption in heating mode	A	10	10	13	15
Maximum power input in heating mode	kW	2,30	2,30	3,00	3,40
Maximum current consumption in cooling mode	A	10	10	19	22
Maximum power input in cooling mode	kW	2,55	2,55	4,32	5,06
Electric protection rating	IP	IPX4	IPX4	IPX4	IPX4

INDOOR UNIT TECHNICAL DATA

Technical data	um	IWU 4	IWU 6	IWU 8	IWU 10
Dimensions (W x H x D)	mm	460 x 860 x 318	460 x 860 x 318	460 x 860 x 318	460 x 860 x 318
Net weight	kg	62	62	62	62
Gross weight	kg	71	71	71	71
Water inlet/outlet connection	inches	1	1	1	1
Sound power level, outdoors L_{WA}	dB (A)	42	42	42	42
Expansion vessel capacity	l	10	10	10	10
Safety valve pressure	bar	3	3	3	3
System water minimum content	l	40	40	40	80
System water minimum flow rate	l/min	9,2	9,2	9,2	9,2
Water nominal flow rate at water T of 35°C / 45°C	m^3/h	0,69/0,69	1,03/1,02	1,38/1,38	1,63/1,63
Circulation pump - max head	m	High efficiency – 8m	High efficiency – 8m	High efficiency – 8m	High efficiency – 8m
Evaporator (plate exchanger)	no.	1	1	1	1
Power supply voltage/frequency	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Voltage range	V	220 - 240	220 - 240	220 - 240	220 - 240
Rated power input (1)	kW	3,1	3,1	6,1	6,1
Heating element	n x kW	2 x 1.5	2 x 1.5	2 x 3	2 x 3
Electric protection rating	IP	IPX1	IPX1	IPX1	IPX1

(1) The value includes the power of heating elements

HEATING PERFORMANCE - ACCORDING TO EN 14511

Water flow / return T: 35 / 30°C
Outdoor air T 7°C dry bulb

Model	Nominal heating capacity	Nominal electric power input	COP
	kW	kW	
AWS X4	4,00	0,78	5,13
AWS X6	6,00	1,20	5,00
AWS X8	8,00	1,70	4,71
AWS X10	9,50	2,07	4,59

Water flow / return T: 45 / 40°C
Outdoor air T 7°C dry bulb

Model	Nominal heating capacity	Nominal electric power input	COP
	kW	kW	
AWS X4	4,00	1,02	3,92
AWS X6	5,90	1,51	3,91
AWS X8	8,00	2,14	3,74
AWS X10	9,50	2,64	3,60

COOLING PERFORMANCE - ACCORDING TO EN 14511

Water flow / return T: 18 / 23°C
Outdoor air T 35°C dry bulb

Model	Nominal cooling capacity	Nominal electric power input	EER
	kW	kW	
AWS X4	3,80	0,82	4,63
AWS X6	5,80	1,32	4,40
AWS X8	7,00	1,75	4,00
AWS X10	8,50	2,24	3,79

Water flow / return T: 7 / 12°C
Outdoor air T 35°C dry bulb

Model	Nominal cooling capacity	Nominal electric power input	EER
	kW	kW	
AWS X4	3,15	0,92	3,42
AWS X6	4,09	1,28	3,20
AWS X8	5,30	1,73	3,06
AWS X10	6,50	2,27	2,86

ERP PERFORMANCE - ACCORDING TO EN 14825

LOW TEMPERATURE - AVERAGE CLIMATE CONDITIONS
Inlet water T / outlet water T: 30 / 35 °C - Outdoor air T 7°C dry bulb/6°C wet bulb

Model	Heating load - $P_{designh}$	Seasonal energy efficiency - η_s	Energy efficiency class
	kW	%	
AWS X4	5,00	184	A+++
AWS X6	6,00	179	A+++
AWS X8	7,00	181	A+++
AWS X10	9,00	181	A+++

MEDIUM TEMPERATURE - AVERAGE CLIMATE CONDITIONS
Inlet water T / outlet water T: 47 / 55 °C - Outdoor air T 7°C dry bulb/6°C wet bulb

Model	Heating load - $P_{designh}$	Seasonal energy efficiency - η_s	Energy efficiency class
	kW	%	
AWS X4	5,00	128	A++
AWS X6	5,00	127	A++
AWS X8	7,00	129	A++
AWS X10	8,00	127	A++

ENERGY CONSUMPTION

Annual energy consumption Q_{he} (kWh)

Model	Colder climate conditions		Average climate conditions		Warmer climate conditions	
	low T (A)	medium T (B)	low T (C)	medium T (D)	low T (E)	medium T (F)
AWS X4	2663	3015	2216	3152	1509	1365
AWS X6	2674	3701	2729	3169	1136	1575
AWS X8	4628	5982	3149	4371	1947	2645
AWS X10	5201	6985	4038	5091	2183	2927

REF.	CLIMATE	TEMPERATURE	Outdoor air T °C Dry bulb (Wet bulb)	Water inlet T °C	Water outlet T °C
A	COLDER	LOW	2 (1)	30	35
B	COLDER	MEDIUM	2 (1)	47	55
C	AVERAGE	LOW	7 (6)	30	35
D	AVERAGE	MEDIUM	7 (6)	47	55
E	WARMER	LOW	14 (13)	30	35
F	WARMER	MEDIUM	14 (13)	47	55

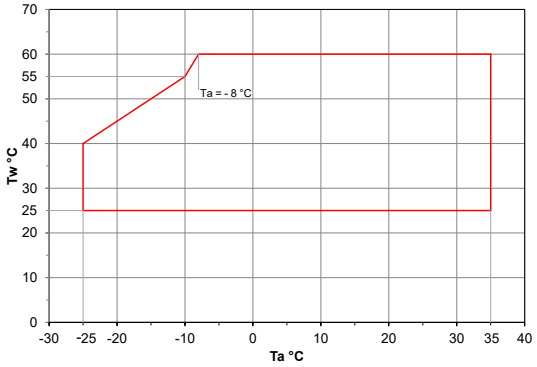
MAXIMUM OPERATING CONDITIONS

Mode	Outlet water temperature range	Air T temperature range
	°C	dry bulb °C
Heating mode	25 ÷ 60	- 25 ÷ 35
Cooling mode	7 ÷ 25	10 ÷ 48
DHW production mode with tank	40 ÷ 80 (*)	- 25 ÷ 45

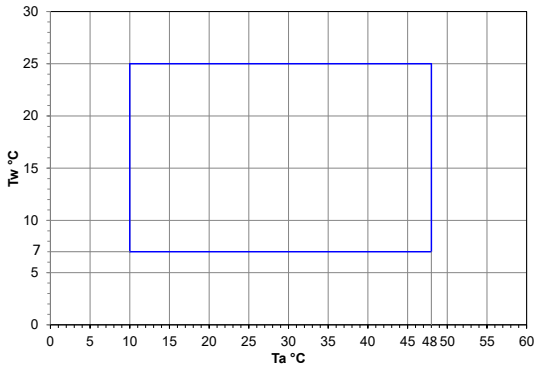
(*) Tank water temperature range

OPERATION RANGE

Heating Mode



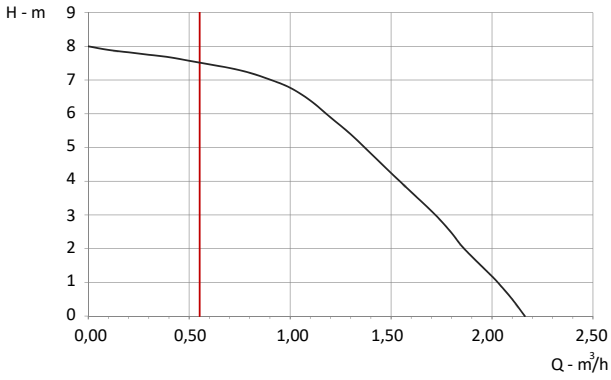
Cooling Mode



Ta = outdoor air temperature
Tw = outlet water temperature

AVAILABLE HEADS

PROCIDA AWS X 4 - 6 - 8 - 10



Minimum flow rate limit

PROCIDA AWS XB

INVERTER AIR-TO-WATER SPLIT HEAT PUMP WITH BUILT-IN STORAGE TANK
WATER PRODUCTION FOR HEATING, COOLING AND DHW

- **CLASS A+++ (for average climate conditions and for low-temperature application, according to EU regulation 811/2013, EN 14825)**
- **Indoor unit with 185-litre storage tank for DHW production with back-up resistor**
- **High COP for heating performance**
- **Touch-screen control panel with user interface provided as standard and fitted on indoor unit**
- **Reduced impact on global warming thanks to the use of R32 gas (GWP = 675)**
- **Included in the price: heat pump, control panel and water filter**
- Integrated hydraulic unit with expansion vessel, high efficiency pump, plate exchanger, flow switch, vent and safety valve
- Twin rotary DC inverter compressor and brushless DC inverter axial fan
- Hydrophilic treated finned coil - Improved resistance to corrosion and condensation formation prevention
- Electronic expansion valve for refrigerant fluid optimisation
- Heating element on the base of the outdoor unit (prevents ice formation)
- Climate control and "Quiet" function for silent mode

USER INTERFACE

- *Touch-screen display*
- *Management of operating modes, system components and heating integration systems, parameters setting*
- *Weekly programming by time slots*
- *Anti-legionella cycle management*

Available in the following models:

4 6 8 10

Model	Refrigerant Gas	Code	Description	Nominal heating capacity (1)		Seasonal energy efficiency class of ambient heating (2)		Packaging dimensions W x H x D	Gross weight
				Water T 35°C kW	Water T 55°C kW	Water T 35°C	Water T 55°C	mm	kg
AWS XB4	R32	DPBXXXWS04	PROCIDA AWS 4 (O) - o. u.	4,00	3,70	A+++	A++	1028x830x458	65
		DPBXXXTU04	PROCIDA ITU 4 - i. u.					683x2000x803	233
AWS XB6	R32	DPBXXXWS06	PROCIDA AWS 6 (O) - o. u.	6,00	5,90	A+++	A++	1028x830x458	65
		DPBXXXTU06	PROCIDA ITU 6 - i. u.					683x2000x803	233
AWS XB8	R32	DPBXXXWS08	PROCIDA AWS 8 (O) - o. u.	8,00	7,40	A+++	A++	1097x937x478	92
		DPBXXXTU08	PROCIDA ITU 8 - i. u.					683x2000x803	233
AWS XB10	R32	DPBXXXWS10	PROCIDA AWS 10 (O) - o. u.	9,50	8,70	A+++	A++	1097x937x478	92
		DPBXXXTU10	PROCIDA ITU 10 - i. u.					683x2000x803	233

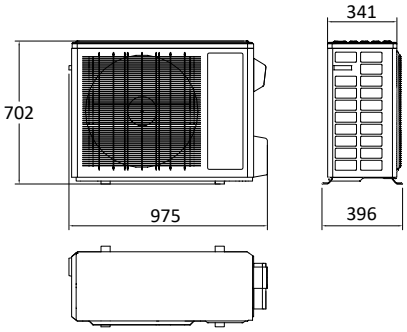
o. u. = outdoor unit - i. u. = indoor unit
(1) Outdoor air T 7°C dry bulb/6°C wet bulb
Inlet water T / outlet water T: 30 / 35 °C - Inlet water T / outlet water T: 50 / 55°C
According to EN 14511
(2) According to EN 14825

PROCIDA AWS 4 - 6 outdoor unit

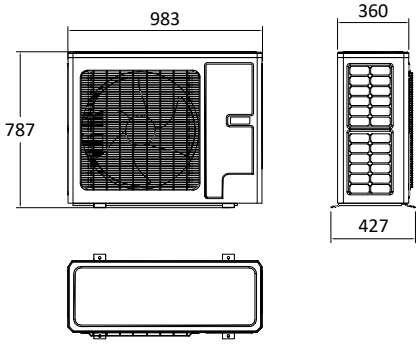
PROCIDA AWS 8 - 10 outdoor unit

PROCIDA ITU 4- 6- 8 - 10 indoor unit

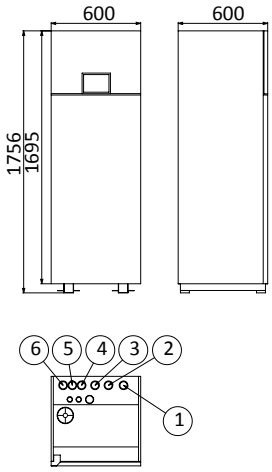
DIMENSIONS AND CONNECTION CENTRE DISTANCES



mod. Procida AWS 4 - 6 outdoor unit



mod. Procida AWS 8 - 10 outdoor unit



mod. Procida IWU 4 - 6 - 8 - 10 indoor unit with water storage tank

1 System flow (hot water)
2 System return (cold water)
3 Cold water inlet
4 DHW outlet
5 Gas circuit
6 Liquid gas circuit

OUTDOOR UNIT TECHNICAL DATA

Technical data	um	Procida AWS 4 (O)	Procida AWS 6 (O)	Procida AWS 8 (O)	Procida AWS 10 (O)
Dimensions (W x H x D)	mm	975 x 702 x 396	975 x 702 x 396	983 x 787 x 427	983 x 787 x 427
Net weight	kg	55	55	82	82
Gross weight	kg	65	65	92	92
Refrigerant Gas	-	R32	R32	R32	R32
GWP	-	675	675	675	675
Refrigerant gas charge content	kg/tonnes of CO_2 eq	1,0 / 0,675	1,0 / 0,675	1,6 / 1,08	1,6 / 1,08
Sound power level, outdoors L_{WA}	dB (A)	62	62	67	68
Compressor	-	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter
Variable speed fan	no.	1	1	1	1
Air flow rate	m³/h	3200	3200	3300	3300
Power supply voltage/frequency	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Voltage range	V	220 - 240	220 - 240	220 - 240	220 - 240
Maximum current consumption in heating mode	A	10	10	13	15
Maximum power input in heating mode	kW	2,30	2,30	3,00	3,40
Maximum current consumption in cooling mode	A	10	10	19	22
Maximum power input in cooling mode	kW	2,55	2,55	4,32	5,06
Electric protection rating	IP	IPX4	IPX4	IPX4	IPX4

INDOOR UNIT TECHNICAL DATA

Technical data	um	ITU 4	ITU 6	ITU 8	ITU 10
Dimensions (W x H x D)	mm	600 x 1765 x 600	600 x 1765 x 600	600 x 1765 x 600	600 x 1765 x 600
Net weight	kg	210	210	210	210
Gross weight	kg	233	233	233	233
Water inlet/outlet connection	inches	1	1	1	1
Capacity of DHW storage tank	l	185	185	185	185
Sound power level, outdoors L_{WA}	dB (A)	42	52	52	52
Expansion vessel capacity	l	10	10	10	10
Safety valve pressure	bar	3	3	3	3
System water minimum content	l	40	40	40	80
System water minimum flow rate	l/min	9,2	9,2	9,2	9,2
Water nominal flow rate at water T of 35°C / 45°C	m³/h	0,69/0,69	1,03/1,02	1,38/1,38	1,63/1,63
Circulation pump - max head	m	High efficiency – 8m	High efficiency – 8m	High efficiency – 8m	High efficiency – 8m
Evaporator (plate exchanger)	no.	1	1	1	1
Power supply voltage/frequency	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Voltage range	V	220 - 240	220 - 240	220 - 240	220 - 240
Rated power input (1)	kW	3,1	3,1	6,1	6,1
Heating element	n x kW	2 x 1.5	2 x 1.5	2 x 3	2 x 3
Electric protection rating	IP	IPX1	IPX1	IPX1	IPX1

(1) The value includes the power of heating elements

HEATING PERFORMANCE - ACCORDING TO EN 14511

Water flow / return T: 35 / 30°C
Outdoor air T 7°C dry bulb

Model	Nominal heating capacity	Nominal electric power input	COP
	kW	kW	
AWS XB4	4,00	0,78	5,13
AWS XB6	6,00	1,20	5,00
AWS XB8	8,00	1,70	4,71
AWS XB10	9,50	2,07	4,59

Water flow / return T: 45 / 40°C
Outdoor air T 7°C dry bulb

Model	Nominal heating capacity	Nominal electric power input	COP
	kW	kW	
AWS XB4	4,00	1,02	3,92
AWS XB6	5,90	1,51	3,91
AWS XB8	8,00	2,14	3,74
AWS XB10	9,50	2,64	3,60

COOLING PERFORMANCE - ACCORDING TO EN 14511

Water flow / return T: 18 / 23°C
Outdoor air T 35°C dry bulb

Model	Nominal cooling capacity	Nominal electric power input	EER
	kW	kW	
AWS XB4	3,80	0,82	4,63
AWS XB6	5,80	1,32	4,40
AWS XB8	7,00	1,75	4,00
AWS XB10	8,50	2,24	3,79

Water flow / return T: 7 / 12°C
Outdoor air T 35°C dry bulb

Model	Nominal cooling capacity	Nominal electric power input	EER
	kW	kW	
AWS XB4	3,15	0,92	3,42
AWS XB6	4,09	1,28	3,20
AWS XB8	5,30	1,73	3,06
AWS XB10	6,50	2,27	2,86

ERP PERFORMANCE - ACCORDING TO EN 14825

LOW TEMPERATURE - AVERAGE CLIMATE CONDITIONS
Inlet water T / outlet water T: 30 / 35 °C - Outdoor air T 7°C dry bulb/6°C wet bulb

Model	Heating load - $P_{designh}$	Seasonal energy efficiency - η_s	Energy efficiency class
	kW	%	
AWS XB4	5,00	184	A+++
AWS XB6	6,00	179	A+++
AWS XB8	7,00	181	A+++
AWS XB10	9,00	181	A+++

MEDIUM TEMPERATURE - AVERAGE CLIMATE CONDITIONS
Inlet water T / outlet water T: 47 / 55 °C - Outdoor air T 7°C dry bulb/6°C wet bulb

Model	Heating load - $P_{designh}$	Seasonal energy efficiency - η_s	Energy efficiency class
	kW	%	
AWS XB4	5,00	128	A++
AWS XB6	5,00	127	A++
AWS XB8	7,00	129	A++
AWS XB10	8,00	127	A++

HOT WATER PRODUCTION ERP PERFORMANCE DATA - ACCORDING TO EN 16147

AVERAGE CLIMATE CONDITIONS Outdoor air T 7°C d.b. / 6°C w.b. d.b. = dry bulb / w.b. = wet bulb	Load profile	ηwh Water heating efficiency %	COPdhw	Energy efficiency class
AWS XB4	L	101	2,31	A
AWS XB6	L	101	2,31	A
AWS XB8	L	89	2,10	A
AWS XB10	L	89	2,10	A

ENERGY CONSUMPTION

Annual energy consumption Q_{he} (kWh)

Model	Colder climate conditions		Average climate conditions		Warmer climate conditions	
	low T (A)	medium T (B)	low T (C)	medium T (D)	low T (E)	medium T (F)
AWS XB4	2663	3015	2216	3152	1509	1365
AWS XB6	2674	3701	2729	3169	1136	1575
AWS XB8	4628	5982	3149	4371	1947	2645
AWS XB10	5201	6985	4038	5091	2183	2927

REF.	CLIMATE	TEMPERATURE	Outdoor air T °C Dry bulb (Wet bulb)	Water inlet T °C	Water outlet T °C
A	COLDER	LOW	2 (1)	30	35
B	COLDER	MEDIUM	2 (1)	47	55
C	AVERAGE	LOW	7 (6)	30	35
D	AVERAGE	MEDIUM	7 (6)	47	55
E	WARMER	LOW	14 (13)	30	35
F	WARMER	MEDIUM	14 (13)	47	55

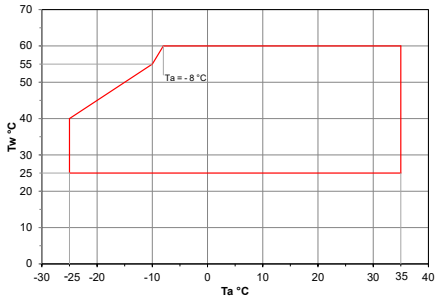
MAXIMUM OPERATING CONDITIONS

Mode	Outlet water temperature range	Air T temperature range
	°C	dry bulb °C
Heating mode	25 ÷ 60	- 25 ÷ 35
Cooling mode	7 ÷ 25	10 ÷ 48
DHW production mode with tank	40 ÷ 80 (*)	- 25 ÷ 45

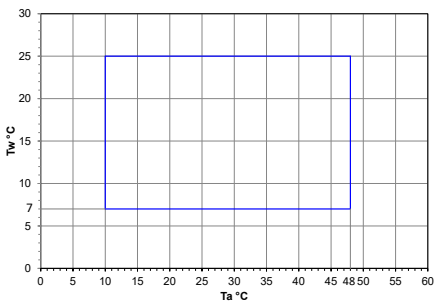
(*) Tank water temperature range

OPERATION RANGE

Heating Mode



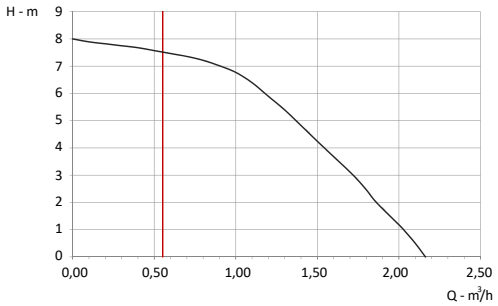
Cooling Mode



Ta = outdoor air temperature
Tw = outlet water temperature

AVAILABLE HEADS

PROCIDA AWS XB4 - XB6 - XB8 - XB10



Minimum flow rate limit

fondital

PERFORMANCE TABLES PROCIDA AWS X4 - PROCIDA AWS XB4

Performance data table in heating mode PROCIDA AWS X4 - PROCIDA AWS XB4

	Ta °C - DB											
	-25		-20		-15		-10		-7		-2	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	1,72	4,51	2,08	4,78	2,48	5,06	2,84	5,29	3,04	5,61	3,4	5,88
30	1,68	3,65	2,04	3,96	2,4	4,2	2,76	4,47	2,96	4,71	3,28	4,94
35	1,64	3,02	1,92	3,22	2,24	3,41	2,6	3,69	2,8	3,92	3,12	4,16
40	1,64	2,59	1,92	2,86	2,24	3,1	2,6	3,33	2,8	3,49	3,12	3,76
45	-	-	1,92	2,47	2,24	2,71	2,6	2,94	2,8	3,06	3,12	3,25
50	-	-	-	-	2,16	2,24	2,52	2,43	2,72	2,55	3,04	2,75
55	-	-	-	-	-	-	2,40	1,96	2,56	2,04	2,88	2,24
60	-	-	-	-	-	-	-	-	2,44	1,61	2,72	1,69

Performance data table in heating mode PROCIDA AWS X4 - PROCIDA AWS XB4

	Ta °C - DB															
	2		7		10		15		20		25		30		35	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	3,76	6,08	3,68	6,35	3,8	6,63	4	7,25	3,96	7,69	3,6	7,65	3,16	8,31	2,48	8,78
30	3,64	5,22	3,88	5,76	4	6,12	4,24	6,55	4,2	6,98	3,8	6,98	3,32	7,53	2,6	8,08
35	3,4	4,27	4	5,14	4,12	5,41	4,36	5,88	4,32	6,16	3,92	6,16	3,44	6,82	2,68	7,25
40	3,4	3,96	4	4,55	4,12	4,78	4,36	5,22	4,32	5,45	3,92	5,41	3,44	6	2,68	6,39
45	3,4	3,45	4	3,92	4,12	4,12	4,36	4,47	4,32	4,71	3,92	4,94	3,44	5,18	2,68	5,49
50	3,28	2,86	3,88	3,33	4	3,49	4,24	3,8	4,2	4	3,8	4,2	3,32	4,39	2,6	4,67
55	3,12	2,31	3,68	2,71	3,8	2,82	4	3,1	3,96	3,25	3,6	3,41	3,16	3,57	2,48	3,8
60	2,96	1,76	3,48	2,12	3,6	2,2	3,8	2,31	3,76	2,47	3,4	2,59	3	2,71	2,32	2,9

Performance data table in cooling mode PROCIDA AWS X4 - PROCIDA AWS XB4

	Ta °C - DB															
	10		15		20		25		30		35		40		45		48	
LWT [°C]	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER
7	2,58	4,66	2,87	4,49	3,02	4,35	3,21	4,14	3,28	3,8	3,15	3,42	2,87	2,84	2,24	2,09	1,89	1,68
8	2,65	4,79	2,93	4,62	3,09	4,49	3,28	4,28	3,34	3,9	3,21	3,53	2,93	2,91	2,27	2,16	1,92	1,75
9	2,68	4,96	2,99	4,76	3,15	4,62	3,34	4,42	3,4	4,04	3,28	3,63	2,99	3,05	2,33	2,23	1,95	1,78
10	2,74	5,1	3,02	4,9	3,21	4,76	3,4	4,52	3,47	4,14	3,34	3,77	3,02	3,12	2,36	2,29	1,98	1,81
11	2,77	5,24	3,09	5,07	3,28	4,9	3,47	4,66	3,53	4,28	3,4	3,87	3,09	3,18	2,39	2,36	2,05	1,88
12	2,84	5,41	3,15	5,2	3,34	5,03	3,53	4,79	3,56	4,42	3,47	3,97	3,15	3,29	2,46	2,43	2,08	1,92
13	2,87	5,55	3,21	5,34	3,37	5,17	3,56	4,93	3,65	4,55	3,5	4,07	3,21	3,39	2,49	2,5	2,11	1,99
14	2,93	5,72	3,24	5,48	3,43	5,31	3,62	5,07	3,72	4,66	3,56	4,18	3,24	3,46	2,52	2,53	2,14	2,05
15	2,96	5,82	3,31	5,65	3,47	5,44	3,69	5,2	3,78	4,76	3,62	4,28	3,31	3,56	2,58	2,64	2,17	2,09
18	3,12	6,27	3,5	6,06	3,65	5,85	3,91	5,62	3,97	5,14	3,81	4,62	3,5	3,83	2,71	2,84	2,27	2,29
20	3,21	6,57	3,56	6,37	3,78	6,16	4,03	5,89	4,1	5,38	3,94	4,83	3,56	4,04	2,8	2,98	2,36	2,4
23	3,37	7,02	3,72	6,78	3,94	6,54	4,19	6,27	4,28	5,75	4,13	5,17	3,72	4,31	2,93	3,15	2,46	2,53
25	3,47	7,33	3,84	7,05	4,06	6,85	4,32	6,51	4,41	5,99	4,22	5,38	3,84	4,45	2,99	3,29	2,52	2,64

Ta = Outside air temperature, ° C
DB = Dry bulb
LWT = outlet water temperature (flow), °C
Qh = Rated power, Kw

PERFORMANCE TABLES PROCIDA AWS X6 - PROCIDA AWS XB6

Performance data table in heating mode PROCIDA AWS X6 - PROCIDA AWS XB6

	Ta °C - DB											
	-25		-20		-15		-10		-7		-2	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	2,94	4,34	3,12	4,57	3,72	4,88	4,26	5,08	5,16	5,39	5,76	5,63
30	2,7	3,52	3,06	3,79	3,6	4,06	4,14	4,3	4,74	4,53	5,22	4,77
35	2,52	2,97	2,88	3,13	3,36	3,32	3,9	3,59	4,26	3,83	4,8	4,06
40	2,46	2,54	2,88	2,81	3,36	3,05	3,9	3,24	4,26	3,4	4,74	3,67
45	-	-	2,88	2,46	3,36	2,7	3,9	2,93	4,2	3,05	4,68	3,24
50	-	-	-	-	3,24	2,27	3,78	2,46	4,14	2,58	4,62	2,77
55	-	-	-	-	-	-	3,60	2,03	4,14	2,11	4,56	2,31
60	-	-	-	-	-	-	-	-	4,08	1,72	4,56	1,8

Performance data table in heating mode PROCIDA AWS X6 - PROCIDA AWS XB6

	Ta °C - DB															
	2		7		10		15		20		25		30		35	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	6,36	5,86	6,24	6,1	6,42	6,37	6,78	6,95	6,72	7,38	6,12	7,31	5,34	7,97	4,2	8,44
30	5,82	5	6,18	5,55	6,36	5,9	6,72	6,29	6,66	6,72	6,06	6,72	5,34	7,27	4,14	7,78
35	5,22	4,18	6	5	6,3	5,27	6,66	5,74	6,6	5,98	6	5,98	5,28	6,64	4,08	7,03
40	5,16	3,91	6	4,45	6,24	4,69	6,6	5,08	6,54	5,35	5,94	5,31	5,22	5,86	4,08	6,25
45	5,1	3,44	6	3,91	6,18	4,1	6,54	4,45	6,48	4,69	5,88	4,92	5,16	5,16	4,02	5,47
50	5,04	2,85	5,94	3,36	6,12	3,52	6,48	3,87	6,42	4,02	5,82	4,22	5,1	4,42	3,96	4,73
55	4,98	2,42	5,88	2,81	6,06	2,97	6,42	3,2	6,36	3,4	5,76	3,52	5,04	3,71	3,96	3,99
60	4,92	1,91	5,82	2,27	6	2,34	6,36	2,5	6,3	2,62	5,7	2,77	4,98	2,89	3,9	3,09

Performance data table in cooling mode PROCIDA AWS X6 - PROCIDA AWS XB6

	Ta °C - DB															
	10		15		20		25		30		35		40		45		48	
LWT [°C]	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER
7	3,35	4,35	3,72	4,19	3,93	4,06	4,17	3,87	4,25	3,55	4,09	3,2	3,72	2,65	2,9	1,95	2,45	1,57
8	3,48	4,47	3,89	4,31	4,09	4,19	4,34	3,99	4,42	3,64	4,25	3,29	3,89	2,75	3,03	2,01	2,54	1,63
9	3,64	4,67	4,01	4,47	4,21	4,35	4,46	4,12	4,54	3,8	4,38	3,42	4,01	2,84	3,15	2,08	2,66	1,66
10	3,72	4,79	4,13	4,6	4,38	4,47	4,62	4,25	4,7	3,9	4,54	3,51	4,13	2,91	3,23	2,17	2,74	1,73
11	3,84	4,92	4,29	4,76	4,5	4,6	4,79	4,41	4,91	4,06	4,7	3,64	4,29	3	3,31	2,2	2,82	1,76
12	3,97	5,08	4,42	4,92	4,66	4,76	4,95	4,54	5,07	4,15	4,87	3,74	4,42	3,1	3,44	2,3	2,9	1,85
13	4,13	5,24	4,58	5,05	4,79	4,89	5,11	4,67	5,19	4,28	4,99	3,87	4,58	3,2	3,56	2,33	2,99	1,89
14	4,25	5,4	4,66	5,21	4,95	5,05	5,28	4,79	5,36	4,41	5,15	3,96	4,66	3,29	3,68	2,43	3,07	1,95
15	4,34	5,53	4,83	5,34	5,11	5,18	5,44	4,92	5,52	4,51	5,32	4,09	4,83	3,39	3,76	2,49	3,19	1,98
18	4,74	5,98	5,24	5,75	5,52	5,59	5,89	5,34	6,01	4,89	5,77	4,41	5,24	3,64	4,09	2,68	3,48	2,17
20	4,95	6,29	5,52	6,07	5,85	5,88	6,18	5,59	6,3	5,14	6,05	4,63	5,52	3,83	4,34	2,84	3,64	2,27
23	5,36	6,74	5,93	6,49	6,26	6,33	6,67	6,01	6,79	5,5	6,54	4,95	5,93	4,12	4,62	3	3,93	2,43
25	5,60	7,03	6,22	6,77	6,54	6,58	6,95	6,29	7,12	5,75	6,83	5,18	6,22	4,31	4,87	3,16	4,09	2,56

Ta = Outside air temperature, ° C
DB = Dry bulb
LWT = outlet water temperature (flow), °C
Qh = Rated power, Kw

PERFORMANCE TABLES PROCIDA AWS X8 - PROCIDA AWS XB8

Performance data table in heating mode PROCIDA AWS X8 - PROCIDA AWS XB8

	Ta °C - DB											
	-25		-20		-15		-10		-7		-2	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	3,44	4,04	4,16	4,26	4,96	4,56	5,68	4,75	6,08	5,05	6,8	5,27
30	3,36	3,29	4,08	3,59	4,8	3,81	5,52	4,04	5,92	4,26	6,56	4,49
35	3,28	2,77	3,84	2,92	4,48	3,1	5,2	3,4	5,6	3,59	6,24	3,81
40	3,28	2,39	3,84	2,65	4,48	2,92	5,2	3,1	5,6	3,25	6,24	3,51
45	-	-	3,84	2,36	4,48	2,58	5,2	2,8	5,6	2,92	6,24	3,1
50	-	-	-	-	4,32	2,21	5,04	2,39	5,44	2,5	6,08	2,69
55	-	-	-	-	-	-	4,80	1,98	5,12	2,09	5,76	2,28
60	-	-	-	-	-	-	-	-	4,88	1,72	5,44	1,79

Performance data table in heating mode PROCIDA AWS X8 - PROCIDA AWS XB8

	Ta °C - DB															
	2		7		10		15		20		25		30		35	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	7,52	5,46	7,36	5,72	7,6	5,94	8	6,5	7,92	6,88	7,2	6,84	6,32	7,44	4,96	7,89
30	7,28	4,71	7,76	5,23	8	5,53	8,48	5,94	8,4	6,32	7,6	6,32	6,64	6,84	5,2	7,29
35	6,8	3,93	8	4,71	8,24	4,97	8,72	5,38	8,64	5,61	7,84	5,61	6,88	6,24	5,36	6,62
40	6,8	3,7	8	4,22	8,24	4,45	8,72	4,86	8,64	5,08	7,84	5,05	6,88	5,57	5,36	5,94
45	6,8	3,29	8	3,74	8,24	3,93	8,72	4,26	8,64	4,49	7,84	4,71	6,88	4,93	5,36	5,23
50	6,56	2,77	7,76	3,25	8	3,4	8,48	3,74	8,4	3,93	7,6	4,11	6,64	4,3	5,2	4,6
55	6,24	2,39	7,36	2,77	7,6	2,92	8	3,18	7,92	3,33	7,2	3,48	6,32	3,66	4,96	3,93
60	5,92	1,91	6,96	2,28	7,2	2,32	7,6	2,5	7,52	2,62	6,8	2,77	6	2,88	4,64	3,1

Performance data table in cooling mode PROCIDA AWS X8 - PROCIDA AWS XB8

	Ta °C - DB															
	10		15		20		25		30		35		40		45		48	
LWT [°C]	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER
7	4,35	4,17	4,82	4,01	5,09	3,89	5,41	3,71	5,51	3,4	5,3	3,06	4,82	2,54	3,76	1,87	3,18	1,5
8	4,51	4,26	4,98	4,11	5,25	4,01	5,57	3,8	6,04	3,49	5,46	3,16	4,98	2,6	3,87	1,9	3,29	1,53
9	4,56	4,41	5,09	4,23	5,35	4,11	5,72	3,92	6,2	3,58	5,62	3,25	5,09	2,7	3,98	1,96	3,34	1,56
10	4,72	4,5	5,25	4,35	5,51	4,23	5,88	4,01	6,36	3,68	5,78	3,31	5,25	2,76	4,08	1,99	3,45	1,62
11	4,88	4,63	5,41	4,47	5,72	4,35	6,04	4,14	6,57	3,8	5,94	3,4	5,41	2,85	4,19	2,08	3,55	1,68
12	4,98	4,75	5,57	4,56	5,88	4,44	6,25	4,2	6,73	3,89	6,1	3,49	5,57	2,91	4,35	2,14	3,66	1,72
13	5,09	4,87	5,67	4,72	5,99	4,56	6,31	4,35	6,89	3,98	6,2	3,58	5,67	3	4,4	2,18	3,71	1,75
14	5,25	4,99	5,83	4,81	6,1	4,66	6,47	4,44	7,05	4,07	6,36	3,68	5,83	3,06	4,51	2,24	3,82	1,78
15	5,35	5,15	5,99	4,93	6,25	4,78	6,68	4,53	7,21	4,17	6,52	3,77	5,99	3,12	4,66	2,3	3,92	1,84
18	5,78	5,45	6,36	5,27	6,73	5,12	7,16	4,84	7,69	4,44	7	4,01	6,36	3,31	4,98	2,45	4,24	1,96
20	5,99	5,7	6,63	5,48	7	5,33	7,42	5,09	8,06	4,66	7,31	4,2	6,63	3,46	5,14	2,54	4,4	2,05
23	6,41	6,04	7,1	5,79	7,47	5,64	7,9	5,39	8,53	4,93	7,79	4,44	7,1	3,68	5,51	2,73	4,66	2,18
25	6,63	6,28	7,37	6,07	7,79	5,85	8,22	5,58	8,85	5,12	8,06	4,63	7,37	3,83	5,72	2,82	4,82	2,27

Ta = Outside air temperature, ° C
DB = Dry bulb
LWT = outlet water temperature (flow), °C
Qh = Rated power, Kw

PERFORMANCE TABLES PROCIDA AWS X10 - PROCIDA AWS XB10

Performance data table in heating mode PROCIDA AWS X10 - PROCIDA AWS XB10

	Ta °C - DB											
	-25		-20		-15		-10		-7		-2	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	4,09	3,99	4,94	4,21	5,89	4,5	6,75	4,68	7,22	4,97	8,08	5,18
30	3,99	3,24	4,85	3,49	5,7	3,74	6,56	3,96	7,03	4,17	7,79	4,39
35	3,90	2,73	4,56	2,88	5,32	3,06	6,18	3,31	6,65	3,53	7,41	3,74
40	3,90	2,34	4,56	2,59	5,32	2,81	6,18	2,99	6,65	3,13	7,41	3,38
45	-	-	4,56	2,27	5,32	2,48	6,18	2,7	6,65	2,81	7,41	2,99
50	-	-	-	-	5,13	2,09	5,99	2,27	6,46	2,38	7,22	2,55
55	-	-	-	-	-	-	5,70	1,87	6,08	1,94	6,84	2,12
60	-	-	-	-	-	-	-	-	5,80	1,58	6,46	1,66

Performance data table in heating mode PROCIDA AWS X10 - PROCIDA AWS XB10

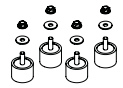
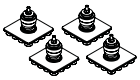
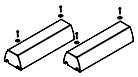
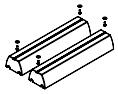
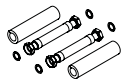
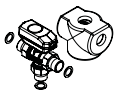
	Ta °C - DB															
	2		7		10		15		20		25		30		35	
LWT [°C]	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP
25	8,93	5,4	8,74	5,61	9,03	5,87	9,5	6,41	9,41	6,8	8,55	6,73	7,51	7,34	5,89	7,77
30	8,65	4,61	9,22	5,11	9,5	5,43	10,07	5,79	9,98	6,19	9,03	6,19	7,89	6,69	6,18	7,16
35	8,08	3,85	9,5	4,61	9,79	4,86	10,36	5,29	10,26	5,51	9,31	5,51	8,17	6,12	6,37	6,48
40	8,08	3,6	9,5	4,1	9,79	4,32	10,36	4,68	10,26	4,93	9,31	4,89	8,17	5,4	6,37	5,76
45	8,08	3,17	9,5	3,6	9,79	3,78	10,36	4,1	10,26	4,32	9,31	4,53	8,17	4,75	6,37	5,04
50	7,79	2,63	9,22	3,09	9,5	3,24	10,07	3,56	9,98	3,71	9,03	3,89	7,89	4,07	6,18	4,35
55	7,41	2,23	8,74	2,59	9,03	2,73	9,5	2,95	9,41	3,13	8,55	3,24	7,51	3,42	5,89	3,67
60	7,03	1,76	8,27	2,09	8,55	2,16	9,03	2,3	8,93	2,41	8,08	2,55	7,13	2,66	5,51	2,84

Performance data table in cooling mode PROCIDA AWS X10 - PROCIDA AWS XB10

	Ta °C - DB															
	10		15		20		25		30		35		40		45		48	
LWT [°C]	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER	Qh	EER
7	5,33	3,89	5,92	3,75	6,24	3,64	6,63	3,46	6,76	3,18	6,5	2,86	5,92	2,38	4,62	1,75	3,9	1,4
8	5,46	4,01	6,11	3,87	6,44	3,75	6,83	3,58	6,96	3,26	6,7	2,95	6,11	2,43	4,75	1,78	4,03	1,46
9	5,66	4,15	6,24	4,01	6,57	3,87	7,02	3,69	7,15	3,38	6,89	3,04	6,24	2,52	4,94	1,86	4,1	1,52
10	5,79	4,24	6,37	4,09	6,7	3,95	7,22	3,81	7,35	3,46	7,02	3,12	6,37	2,58	5,01	1,92	4,23	1,52
11	5,92	4,35	6,57	4,21	6,96	4,07	7,35	3,87	7,54	3,58	7,22	3,21	6,57	2,66	5,07	1,95	4,36	1,57
12	6,11	4,47	6,7	4,3	7,15	4,18	7,54	3,98	7,67	3,67	7,41	3,29	6,7	2,72	5,27	2	4,49	1,6
13	6,24	4,61	6,89	4,44	7,35	4,3	7,74	4,09	7,87	3,78	7,61	3,38	6,89	2,83	5,4	2,09	4,55	1,66
14	6,44	4,7	7,15	4,52	7,48	4,41	7,93	4,21	8,13	3,84	7,8	3,46	7,15	2,89	5,53	2,12	4,68	1,72
15	6,57	4,84	7,28	4,64	7,67	4,5	8,19	4,3	8,32	3,92	8	3,55	7,28	2,95	5,72	2,15	4,81	1,75
18	7,02	5,18	7,74	5,01	8,13	4,84	8,65	4,61	8,91	4,24	8,52	3,81	7,74	3,15	6,05	2,32	5,14	1,86
20	7,35	5,44	8,13	5,21	8,58	5,1	9,1	4,84	9,3	4,44	8,91	3,98	8,13	3,32	6,31	2,43	5,33	1,98
23	7,74	5,76	8,58	5,53	9,04	5,38	9,62	5,13	9,82	4,7	9,43	4,24	8,58	3,49	6,63	2,58	5,66	2,06
25	8,00	5,98	8,91	5,78	9,36	5,58	10,01	5,33	10,21	4,9	9,82	4,41	8,91	3,67	6,96	2,69	0	2,18

Ta = Outside air temperature, ° C
DB = Dry bulb
LWT = outlet water temperature (flow), °C
Qh = Rated power, Kw

HEAT PUMP ACCESSORIES

Item	Description	PROCIDA AWM	PROCIDA AWS	PROCIDA AWS XB	Code
	Kit of base vibration-damping feet / 4 pcs Standard installation. Nuts and washers for assembly are included.	●	●	●	DKPIEBAS00
	Kit of spring vibration-damping feet + rubber support / 4 pcs Balcony installation. Nuts and washers for assembly are included. Including two pairs of feet featuring different rigidity for inverter side pump balancing.	●	●	●	DKPIEMOL00
	Kit of rubber support bars / 2pcs – Length 450 mm. Installations to keep 9.5 cm ground clearance. Including fixing screws and washers. **SUITABLE FOR PROCIDA AWM X6 – X8** **SUITABLE FOR PROCIDA AWS 4 (O) – 6 (O) – 8 (O) – 10 (O)**	●	●	●	DKBARSUP00
	Kit of rubber support bars / 2pcs – Length 600 mm. Installations to keep 9.5 cm ground clearance. Embedded aluminium profile Including fixing screws and washers. **SUITABLE FOR PROCIDA AWM X10 – X12 – X14 – X16 – T12 – T14 – T16**	●			DKBARSUP01
	Kit of 1" F-F L 200 mm flexible pipes / 2pcs Including insulation to be installed	●	●	●	DKTUBIFL00
	Kit of 1" M-F taps / 2pcs Including 1" gaskets	●	●	●	DKRUBINE00
	Kit of 1" M connection freeze protection valve / 1pc **WARNING** two valves must be installed: one for delivery and one for return.	●			DKVALANT00
	Kit of 1" M connection 3-way deviating valve / 1pc	●			DKVALDEV00
	Kit of 1" nipples / 2pcs	●	●	●	DKNIPPLE00
	Kit of 1" sleeves / 2pcs	●	●	●	DKMANICT00
	Kit of 1" 1/4 - 1" connections / 2 pcs	●	●	●	DKRACCOR00
	Autoflow pump - 7 m centre distance 180 mm connection G 1 ½ M	●	●	●	0KCIRCOL03
	Autoflow pump – 12 m centre distance 180 mm connection G 1 ½ M	●	●	●	0KCIRCOL04


fondital

WHPF PU

TECHNICAL WATER STORAGE TANK FOR HEATING WATER OR CHILLED WATER
IDEAL FOR COMBINATION WITH AIR-TO-WATER HEAT PUMP SYSTEMS

- **Thermometer and holders for probe included in the supply**
- **Wall mounting possible for WHPF 25 PU model**
- **Easy installation**
- External paint
- Untreated internal surface
- Injected rigid polyurethane thermal insulation
- Covering in white skay

Available in the following capacities (l):

25 50 100 200 300 500

Model	Code	Energy efficiency class	Heat loss (S)	Storage volume (V)	Dimensions D x H	Empty gross weight
			W	l	mm	kg
25 PU	DBOLLPDC00	A	19	24	380x451	19
50 PU	DBOLLPDC01	B	34	57	380x935	29
100 PU	DBOLLPDC02	B	50	123	510x1095	39
200 PU (*)	DBOLLPDC08	C	68	203	550x1395	48
300 PU (*)	DBOLLPDC09	C	82	277	600x1560	59
500 PU (*)	DBOLLPDC10	C	114	473	700x1855	99

Technical data	um	25 PU	50 PU	100 PU	200 PU (*)	300 PU (*)	500 PU (*)
Insulation thickness	mm	40	50	50	50	50	50
Empty net weight	kg	17,5	25	35	43	54	91
Maximum working pressure	bar	6	6	6	6	6	6
Maximum working temperature	°C	95	95	95	95	95	95

(*) Models 200, 300 and 500 are available on request

WHPF 25 PU

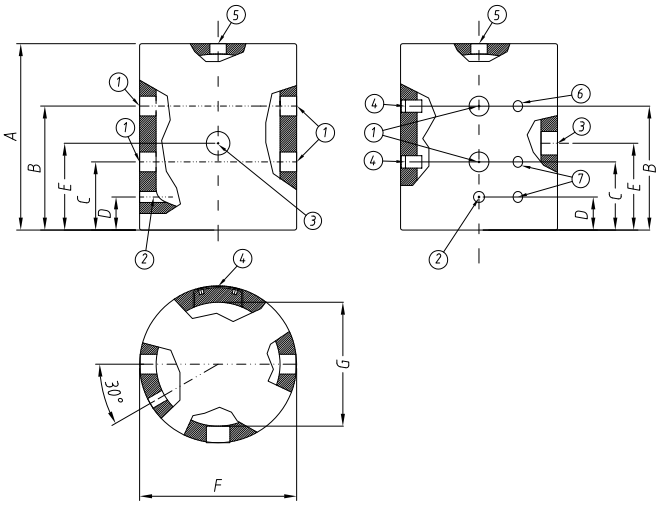
WHPF 50 - 100 PU

WHPF 200 - 300 - 500 PU

Warning: images to be considered representative and not to scale

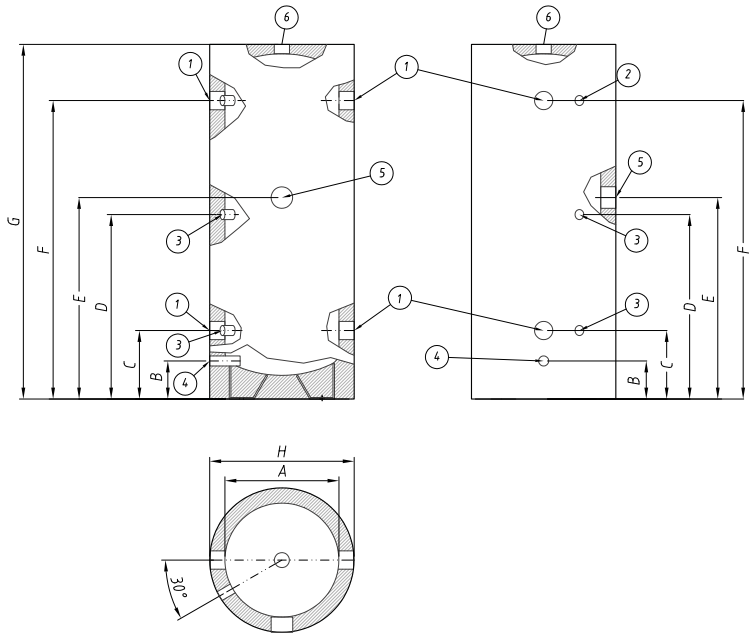
DIMENSIONS AND CONNECTION CENTRE DISTANCES

mod. WHPF-25-PU



Ref.	25 PU
A	451 mm
B	300 mm
C	165 mm
D	80 mm
E	210 mm
F	380 mm
G	300 mm
1 - Heating circuit inlets - outlets	1 1/4" F
2 - Drain	1/2" F
3 - Heating element connection	1 1/2" F
4 - Supports for fastening with brackets	-
5 - Vent	1" F
6 - Thermometer (included in the supply)	1/2" F
7 - Holder for probe (included in the supply)	1/2" F

mod. WHPF 50-100 - 200 - 300 - 500 PU



Ref.	50 PU	100 PU	200 PU	300 PU	500 PU
A	300 mm	400 mm	450 mm	500 mm	600 mm
B	100 mm	100 mm	105 mm	120 mm	135 mm
C	180 mm	185 mm	215 mm	235 mm	240 mm
D	485 mm	560 mm	705 mm	785 mm	925 mm
E	530 mm	605 mm	750 mm	830 mm	970 mm
F	785 mm	935 mm	1200 mm	1340 mm	1610 mm
G	935 mm	1095 mm	1395 mm	1560 mm	1855 mm
H	380 mm	510 mm	550 mm	600 mm	700 mm
1 - Heating circuit inlets - outlets	1 1/4" F		1 1/2" F	2" F	2 1/2" F
2 - Thermometer (included)	1/2" F				
3 - Holder for probe (included)	1/2" F				
4 - Drain	1/2" F			3/4" F	
5 - Heating element connection	1 1/2" F				
6 - Vent	1" F		1 1/4" F		

WHPF PU E

TECHNICAL WATER STORAGE TANK FOR HEATING WATER OR CHILLED WATER
IDEAL FOR COMBINATION WITH AIR-TO-WATER HEAT PUMP SYSTEMS

- **Thermometer and holders for probe included in the supply**
- **Wall mounting is possible for model WHPF 24 PU E**
- **Easy installation**
- Untreated internal surface
- Injected rigid polyurethane thermal insulation
- Covering in grey skai

Available in the following capacities (l):

24 50 100

Model	Code	Energy efficiency class	Heat loss (S)	Storage volume (V)	Dimensions D x H	Empty gross weight
			W	l	mm	kg
24 PU E	DBOLLPDC13	A	18	24	410x555	10
50 PU E	DBOLLPDC11	A	26	50	410x890	19,5
100 PU E	DBOLLPDC12	B	40	96	510x895	37,5

Technical data	um	24 PU E	50 PU E	100 PU E
Energy efficiency class	-	A	A	B
Insulation thickness	mm	65	50	55
Heat loss	W	18	26	40
Hot water storage	l	24	50	96
Dimensions (diameter x height)	mm	410x555	410x890	510x895
Empty net weight	kg	8,5	17,5	35
Empty gross weight	kg	10	19,5	37,5
Maximum working pressure	bar	10	10	10
Maximum working temperature	°C	95	95	95

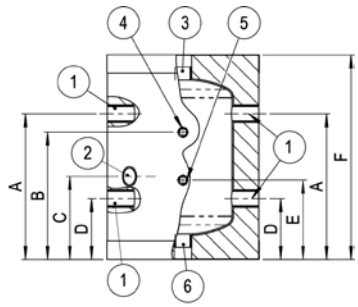
WHPF 24 PU E

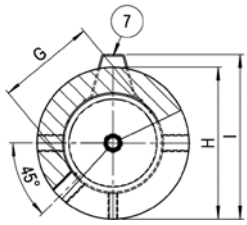
WHPF 50 - 100 PU E

Warning: images to be considered representative and not to scale

DIMENSIONS AND CONNECTION CENTRE DISTANCES

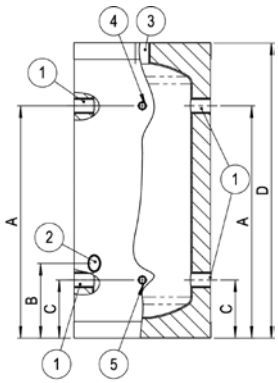
mod. WHPF 24 PU E

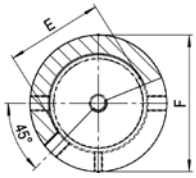




Ref.	24 PU E
A	390 mm
B	340 mm
C	225 mm
D	160 mm
E	210 mm
F	555 mm
G	280 mm
H	410 mm
I	446 mm
1 - Heating circuit inlets - outlets	1 1/4" F
2 - Connection for electrical resistance	1 1/2" F
3 - Vent	1 1/4" F
4 - Thermometer (supplied as standard)	1/2" F
5 - Thermowell (supplied as standard)	1/2" F
6 - Connection (closure cap supplied as standard)	1 1/4" F
7 - Holder for probe (included in the supply)	-

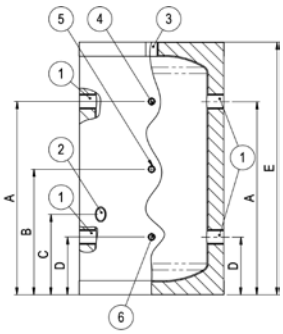
mod. WHPF 50 PU E

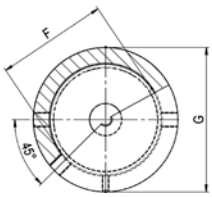




Ref.	50 PU E
A	700 mm
B	225 mm
C	175 mm
D	890 mm
E	292 mm
F	410 mm
1 - Heating circuit inlets - outlets	1 1/4" F
2 - Connection for electrical resistance	1 1/2" F
3 - Vent	1 1/4" F
4 - Thermometer (supplied as standard)	1/2" F
5 - Thermowell (supplied as standard)	1/2" F

mod. WHPF 100 PU E





Ref.	100 PU E
A	685 mm
B	445 mm
C	285 mm
D	205 mm
E	895 mm
F	392 mm
G	512 mm
1 - Heating circuit inlets - outlets	1 1/2" F
2 - Connection for electrical resistance	1 1/2" F
3 - Vent	1 1/4" F
4 - Thermometer (supplied as standard)	1/2" F
5 - Thermowell (supplied as standard)	1/2" F
6 - Connection	1/2" F

WHDHP SS

SINGLE-COIL STORAGE TANK FOR DHW
SPECIFICALLY FOR COMBINATION WITH AIR-TO-WATER HEAT PUMP SYSTEMS

- **Thermometer and holders for probe included in the supply**
- **Magnesium anode for anodic protection**
- **Wide heat exchange surface - high efficiency coil**
- **Easy installation**
- **Inspection flange**
- **It can be integrated with solar coil (extra accessory), installable in the inspection flange**
- External paint
- Vitrification treatment coated internal surface
- Carbon steel coil
- Injected rigid polyurethane thermal insulation
- Covering in white skay

Available in the following capacities (l):

200 300 500

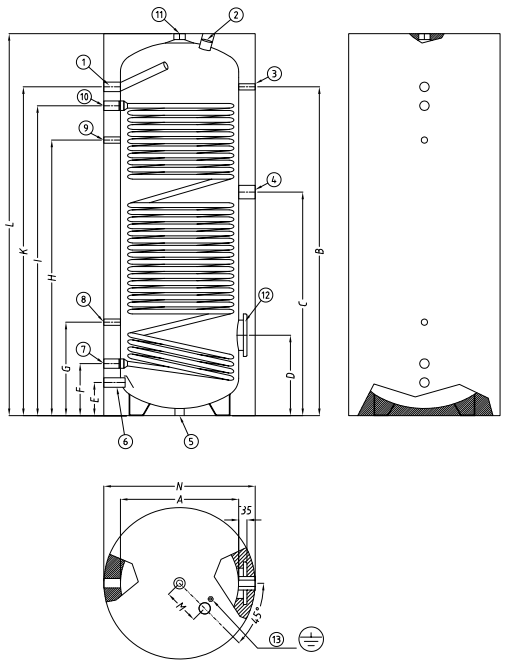
Warning: images to be considered representative and not to scale

Model	Code	Energy efficiency class	Heat loss (S)	Storage volume (V)	Coil area	Dimensions D x H	Empty gross weight
			W	l	m²	mm	kg
200 SS	DBOLLPDC03	B	51	190	3	640x1215	96
300 SS	DBOLLPDC04	B	63	263	4	640x1615	130
500 SS	DBOLLPDC05	B	80	470	6	790x1705	181

Technical data	um	200 SS	300 SS	500 SS
Insulation thickness	mm	70	70	70
Coil water content	l	17	23	51
Empty net weight	kg	90	124	175
Maximum DHW working pressure	bar	10	10	10
Maximum CH working pressure	bar	10	10	10
Maximum working temperature	°C	95	95	95

DIMENSIONS AND CONNECTION CENTRE DISTANCES

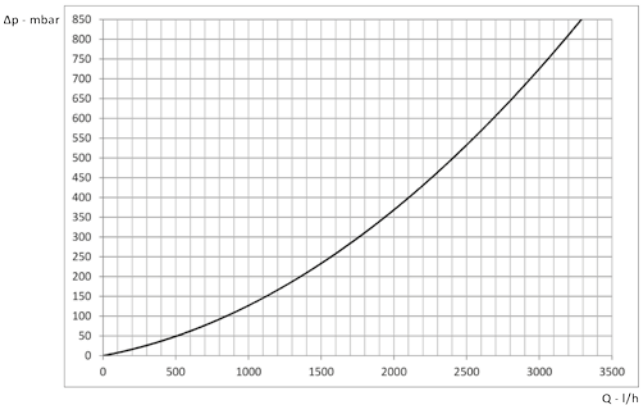
mod. WHDHP-200-300-500-SS

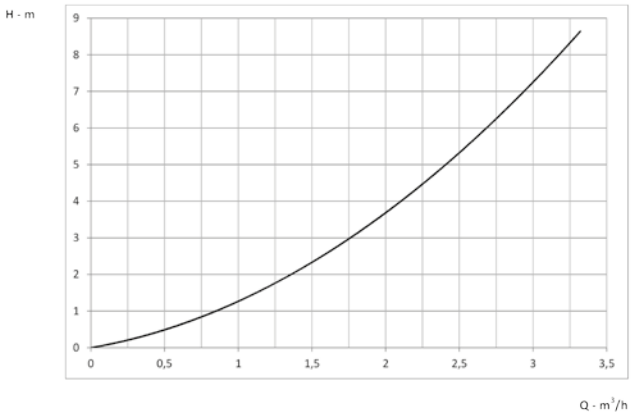


Ref.	200 SS	300 SS	500 SS
A	500 mm	500 mm	650 mm
B	995 mm	1390 mm	1425 mm
C	735 mm	945 mm	970 mm
D	320 mm	340 mm	370 mm
E	140 mm	140 mm	185 mm
F	220 mm	220 mm	265 mm
G	370 mm	395 mm	425 mm
H	835 mm	1165 mm	1170 mm
I	990 mm	1310 mm	1325 mm
K	1070 mm	1390 mm	1415 mm
L	1215 mm	1615 mm	1705 mm
M	150 mm	150 mm	150 mm
N	640 mm	640 mm	790 mm
1 - DHW flow	1" F		
2 - Magnesium anode (included)	1 1/4" F		
3 - Thermometer (included)	1/2" F		
4 - Heating element connection	1 1/2" F		
5 - Bench connection	1/2" F		
6 - Cold water inlet	1" F		
7 - Coil return	1" F		1 1/4" F
8 - Holder for probe	1/2" F		
9 - Recirculation	1/2" F		
10 - Coil flow	1" F		1 1/4" F
11 - DHW flow	1 1/4" F		
12 - Flange	180/120		
13 - Grounding system	M6 nut		

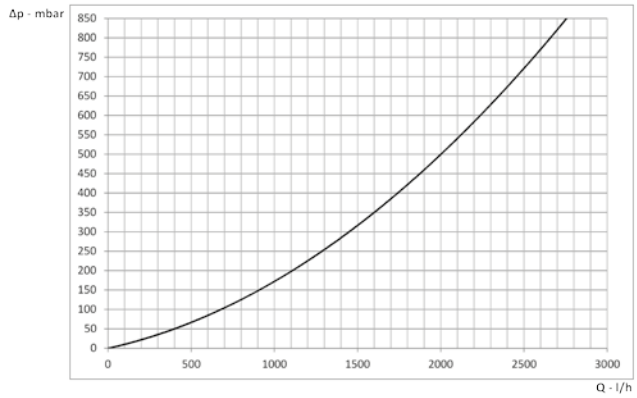
COIL PRESSURE LOSS

WHDHP 200 SS

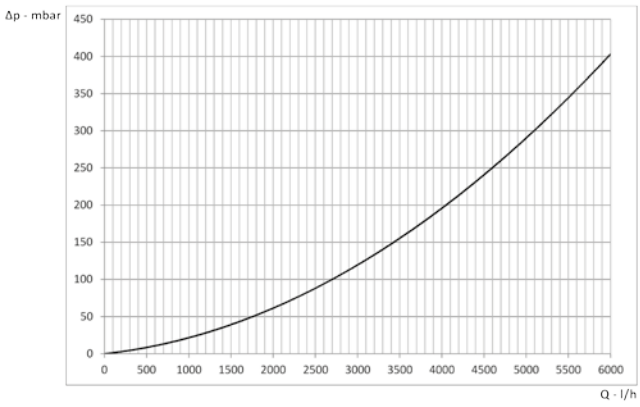


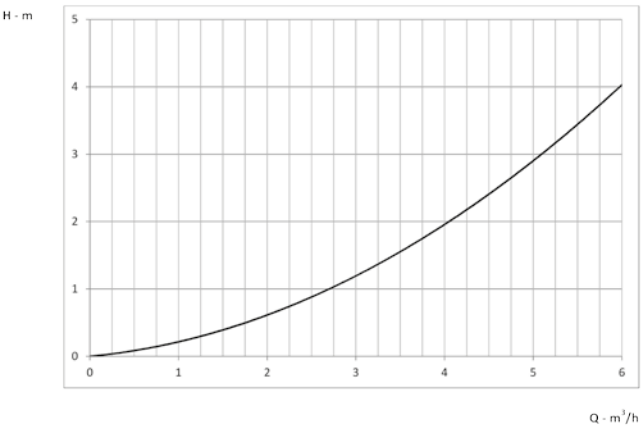


WHDHP 300 SS



WHDHP 500 SS





WHDHP SSH

COMBINED HYBRID STORAGE TANK FOR DHW AND PUFFER FOR TECHNICAL WATER
SPECIFICALLY FOR COMBINATION WITH AIR-TO-WATER HEAT PUMP SYSTEMS

- **Space-saving compact installation: buffer tank serves as the base for the storage tank, vertically developed**
- **Thermometer and holders for probe included in the supply**
- **Magnesium anode for anodic protection**
- **Wide heat exchange surface - high efficiency coil**
- **Inspection flange**
- **It can be integrated with solar coil (extra accessory), installable in the inspection flange**
- External paint
- Vitrification treatment coated internal surface
- Carbon steel coil
- Injected rigid polyurethane thermal insulation
- Covering in white skay

Available in the following capacities (l):

300 500

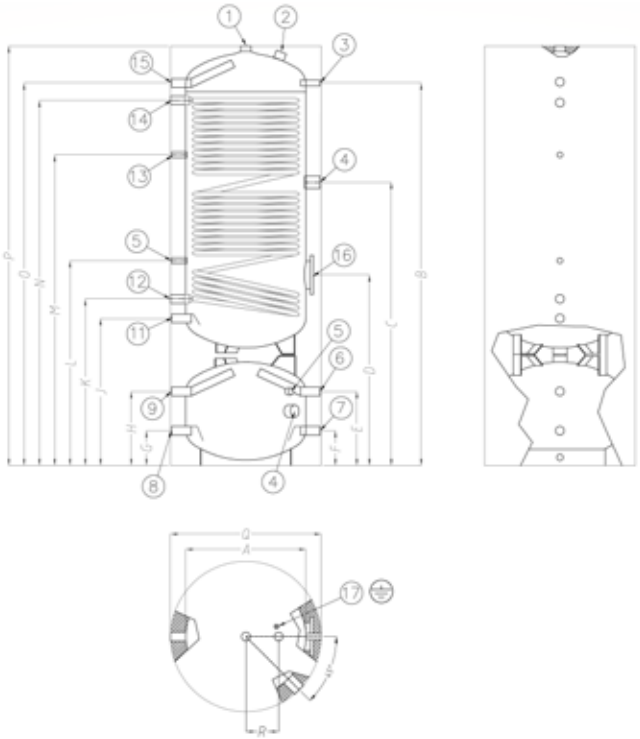
Warning: images to be considered representative and not to scale

Model	Code	Energy efficiency class	Heat loss (S)	DHW storage tank volume	Coil area	Buffer tank hot water storage	Dimensions D x H	Empty gross weight
			W	l	m²	l	mm	kg
300 SSH	DBOLLPDC06	B	73	270	3,3	80	690x1925	156
500 SSH	DBOLLPDC07	B	84	450	6	74	790x2040	207

Technical data	um	300 SSH	500 SSH
Insulation thickness	mm	70	70
Coil water content	l	20,2	51,5
Empty net weight	kg	150	200
Maximum DHW / coil working pressure	bar	10	10
Maximum buffer tank working pressure	bar	6	6
Maximum working temperature	°C	95	95

DIMENSIONS AND CONNECTION CENTRE DISTANCES

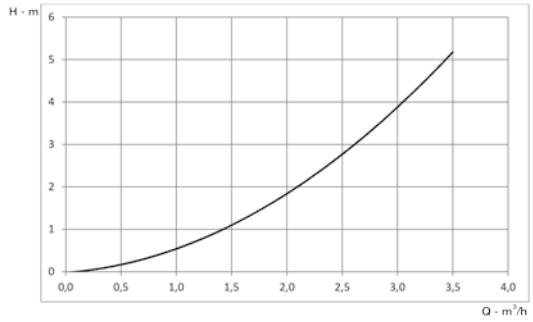
mod. WHDHP-300-500-SSH

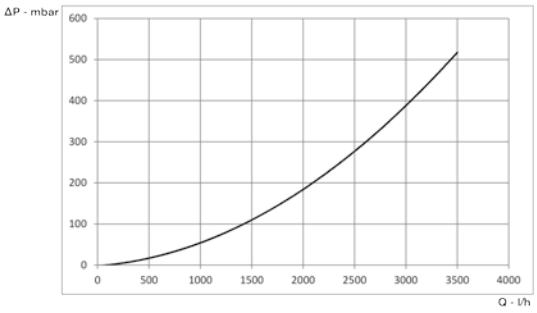


Ref.	300 SSH	500 SSH
A	550 mm	650 mm
B	1755 mm	1850 mm
C	1300 mm	1350 mm
D	875 mm	750 mm
E	340 mm	235 mm
F	160 mm	135 mm
G	160 mm	135 mm
H	340 mm	235 mm
I	505 mm	375 mm
J	675 mm	565 mm
K	765 mm	650 mm
L	940 mm	805 mm
M	1425 mm	1520 mm
N	1675 mm	1710 mm
O	1755 mm	1850 mm
P	1925 mm	2040 mm
Q	690 mm	790 mm
R	150 mm	150 mm
1 - DHW flow	1 1/4" F	
2 - Anode	1 1/4" F	
3 - Thermometer (included)	1/2" F	
4 - Heating element	1 1/2" F	
5 - Holder for probe (included)	1/2" F	
6 - Delivery from heat pump	1" F	
7 - Return to heat pump	1" F	
8 - System return line	1" F	
9 - System delivery line	1" F	
11 - Cold water inlet	1" F	
12 - Coil return	1 1/4" F	
13 - Recirculation	1/2" F	
14 - Coil flow	1" F	
15 - DHW flow	1" F	
16 - Flange	180/120 mm	
17 - Grounding system	M6 nut	

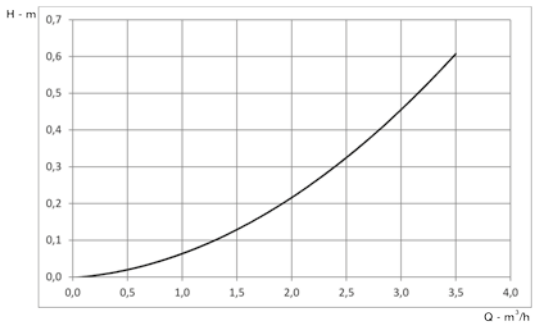
COIL PRESSURE LOSS

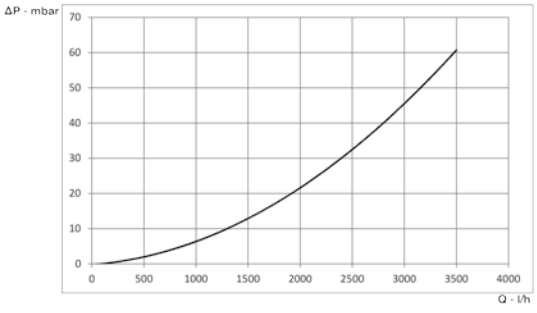
WHDHP 300 SSH





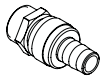
WHDHP 500 SSH





fondital

ACCESSORIES FOR HEAT PUMP TANKS

Item	Description	Code
	1.5 kW heating element kit 340 mm-long heating element	DKRESELE00
	2 kW heating element kit 390 mm-long heating element	DKRESELE01
	3 kW heating element kit 390 mm-long heating element	DKRESELE02
	1/2" vent tap kit	DKRUBINE01
	Temperature probe for storage tank L 2 m (*)	DKSONDAB00
	Flange kit with heating element connection	DKFLABOL00

(*) For PROCIDA heat pumps the temperature probe is supplied as standard.

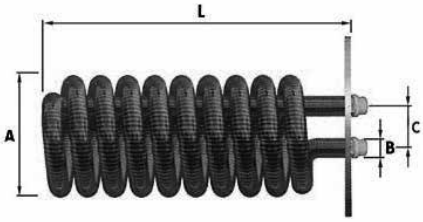
COMBINATION OF HEATING ELEMENTS - STORAGE TANKS

Description	Code	1.5 kW heating element DKRESELE00	2 kW heating element DKRESELE01	3 kW heating element DKRESELE02	Heating element flange kit DKFLABOL00
WHPF 25 PU	DBOLLPDC00	●			
WHPF 50 PU	DBOLLPDC01	●			
WHPF 100 PU	DBOLLPDC02	●	●	●	
WHPF 200 PU	DBOLLPDC08	●	●	●	
WHPF 300 PU	DBOLLPDC09	●	●	●	
WHPF 500 PU	DBOLLPDC10	●	●	●	
WHPF 24 PU E	DBOLLPDC13	●			
WHPF 50 PU E	DBOLLPDC11	●			
WHPF 100 PU E	DBOLLPDC12	●	●	●	
WHDHP 200 SS	DBOLLPDC03	●	●	●	●
WHDHP 300 SS	DBOLLPDC04	●	●	●	●
WHDHP 500 SS	DBOLLPDC05	●	●	●	●
WHDHP 300 SSH	DBOLLPDC06	●	●	●	●
WHDHP 500 SSH	DBOLLPDC07	●	●	●	●

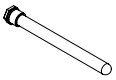
COIL FOR SOLAR ENERGY

Removable coil for solar energy, complete with flange, tinned copper coil, flange cover and bolts. It can be combined with water tanks for the production of domestic hot water **WHDHP SS** and **WHDHP SSH**.

- **Coil for solar energy 24 kW:** Combinable with 200-300 litre storage tanks
- **Coil for solar energy 36 kW:** Combinable with 500 litre storage tanks



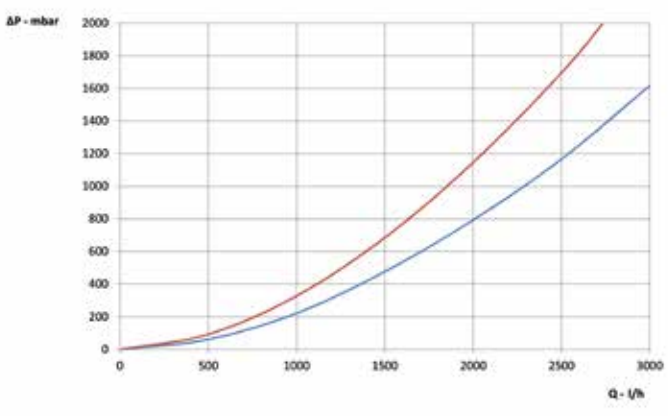
Coil for solar energy		24 kW	36 kW
Coil area	m²	0,80	1,21
Coil water content	litres	0,7	1,4
Power input	kW	24	36
Flow needed by the coil 80-60 °C	m³/h	1	1,6
A	DN	100	100
B	inches	3/4	3/4
C	mm	60	80
L	mm	400	550
Code		DKSERSOL00	DKSERSOL01

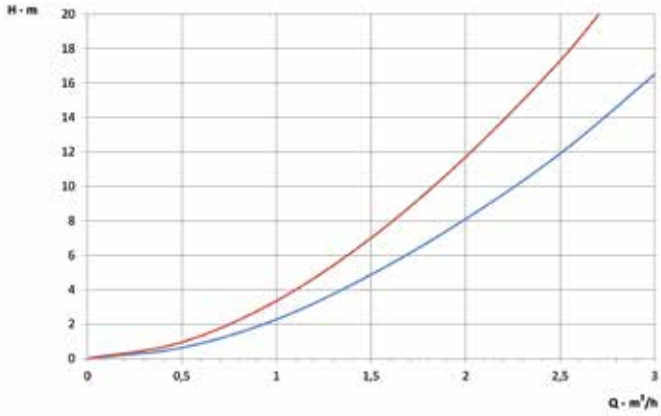
Item	Description	Code
	Well for double probe (compulsory for coils combined with solar panels) The well should replace the probe well opposite to the coil insertion flange on the water tank	DKPOZZET00

Description	Code	Coil 24 kW DKSERSOL00	Coil 36 kW DKSERSOL01	Double probe well DKPOZZET00*
WHDHP 200 SS	DBOLLPDC03	●		●
WHDHP 300 SS	DBOLLPDC04	●		●
WHDHP 500 SS	DBOLLPDC05	●	●	●
WHDHP 300 SSH	DBOLLPDC06	●		●
WHDHP 500 SSH	DBOLLPDC07	●	●	●

(*) The accessory is compulsory for coils combined with solar panels

SOLAR COIL PRESSURE LOSS





Coil 24 kW Coil 36 kW

fondital

Notes

Notes

The manufacturer reserves the right to make any modifications deemed necessary without prior notification.

Uff. Pub. Fondital - CTC 03 J 008 - 05 | Gennaio 2023 (100 - 01/2023)

FONDITAL S.p.A. Società a unico socio
Via Cerreto, 40
25079 VOBARNO (Brescia) Italia
Tel.: +39 0365 878.31 - Fax: +39 0365 878.304
E-mail: info@fondital.it - Web: www.fondital.com

9PCEN03J008

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001:2015 =