AIR TO WATER SYSTEMS

Daitsu ATW systems offer a wide range of product that meet the heating, cooling and DHW needs of any type of home or business, guaranteeing high energy efficiency and maximum comfort all year round.

AIR TO WATER SYSTEMS

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AIR TO WATER SOLUTIONS

A versatile system

Air to water systems offer **the utmost flexibility** as they allow **components to be custom-combined** to meet each user's specific requirements.

Through a careful selection and placement of components **a tailored technical solution is achieved.**

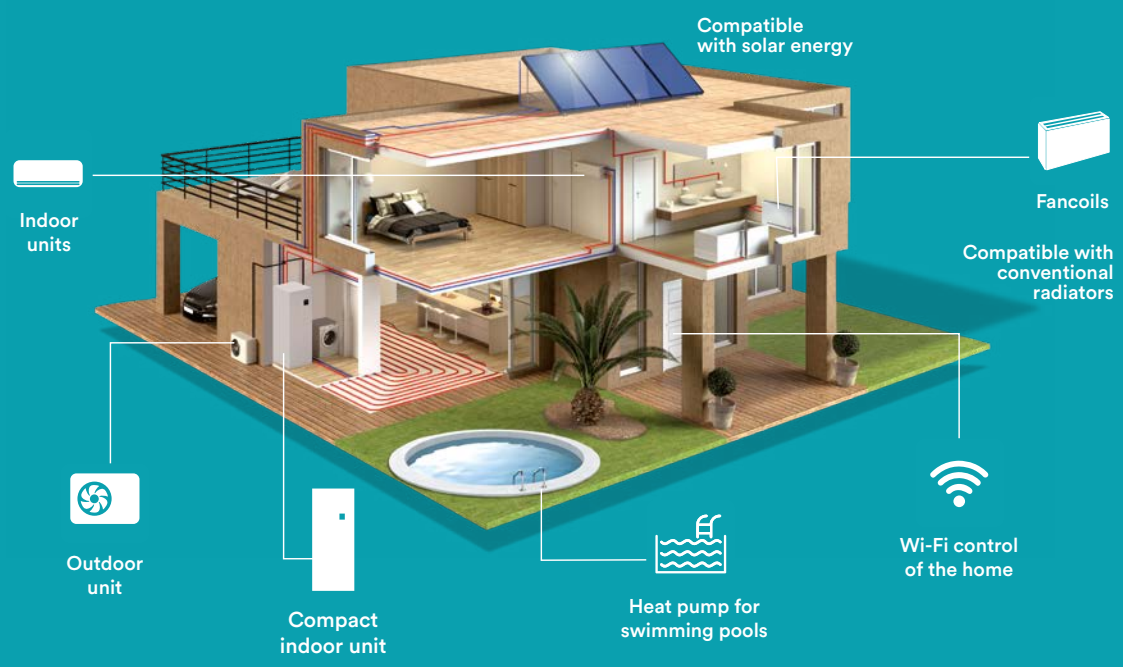
Daitsu has Air to water solutions for:

DOMESTIC HOT WATER (DHW) ONLY

HEATING ONLY

HEATING + DHW

HEATING + DHW + HVAC



What are Air to water systems?

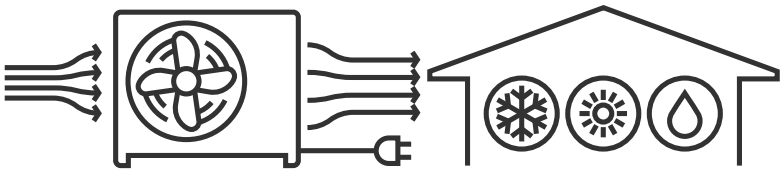
A technology designed to provide heating in winter, air-conditioning in summer and hot water all year round.

Extracts 80% of the energy it needs from the air

Yields up to five times more compared to other systems

It's an efficient, latest-generation technology

1 The heat pump captures the air contained in the outdoor air.



2 The heat from the air is transferred to a refrigerant via a water exchanger, which makes it possible to generate hot water and air conditioning.

What are its benefits?

Efficiency and savings
Consumes less than traditional heating systems and this is evident in the bill.

Environmentally friendly
It's a clean and renewable energy and doesn't generate harmful substances or pollutants.

Easy to install and maintain
Easy to install, requires very little maintenance.

Safety
With no fume release, it doesn't produce combustion, making it safer.

Forget about gas or other consumables
The home can run exclusively on electricity, without the need to contract gas or other fuels.

Efficient and economical hot water
Low-cost hot water. In summer it can even provide hot water for free.

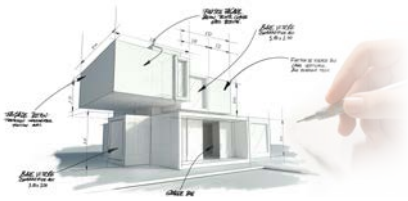
Tailored solutions
Can be combined with different systems (radiators, radiant floor, fancoils, solar panels, etc.).

What uses does it have?

SINGLE-FAMILY HOMES

NEW BUILDS

CONDOMINIUMS



RENOVATIONS

MULTI-HYBRID

Multi-tasking hybrid solution with heat recovery for medium and large dwellings with minimal hydraulics installation required.

The system has an outdoor unit, a hydraulic module and indoor units.

Compatible with multiple indoor units.

Compatible with radiant floor and DHW storage tanks.

A+

High energy efficiency thanks to its Full Inverter technology.

Touch control remote management interface.

Heat recovery function in summer with the unit working in cooling mode for free DHW.

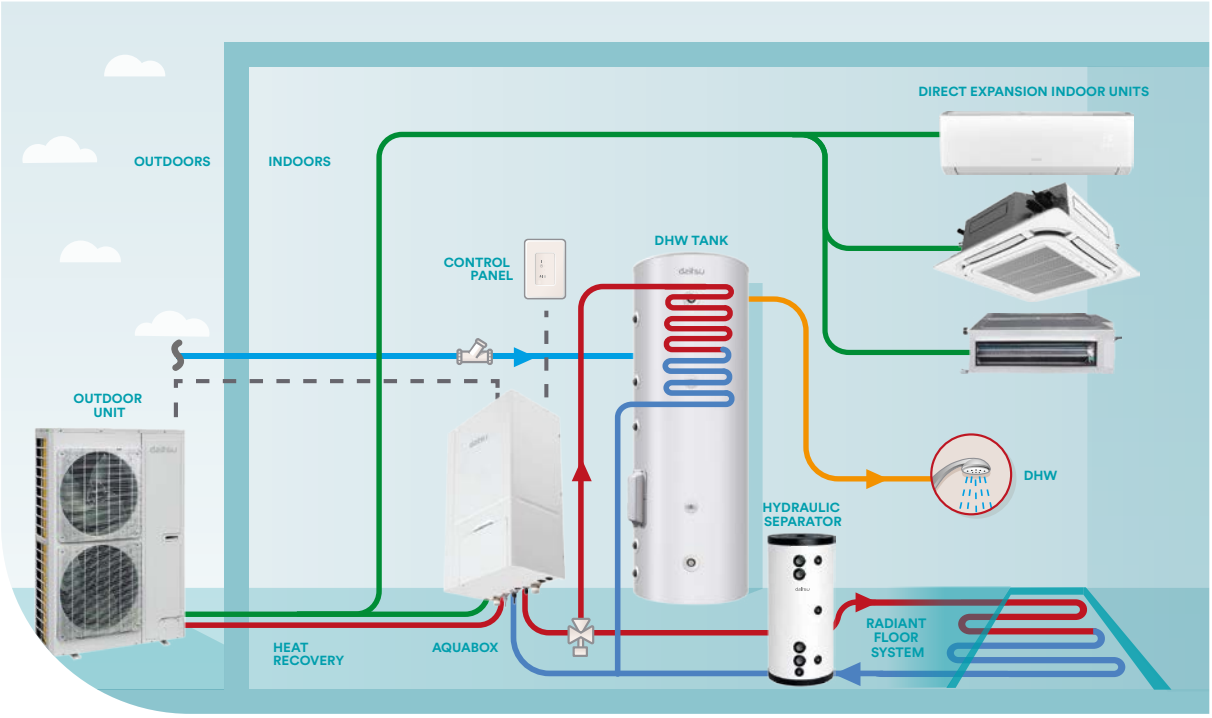
Enables system integration via Modbus control.

Low sound level for all environments.

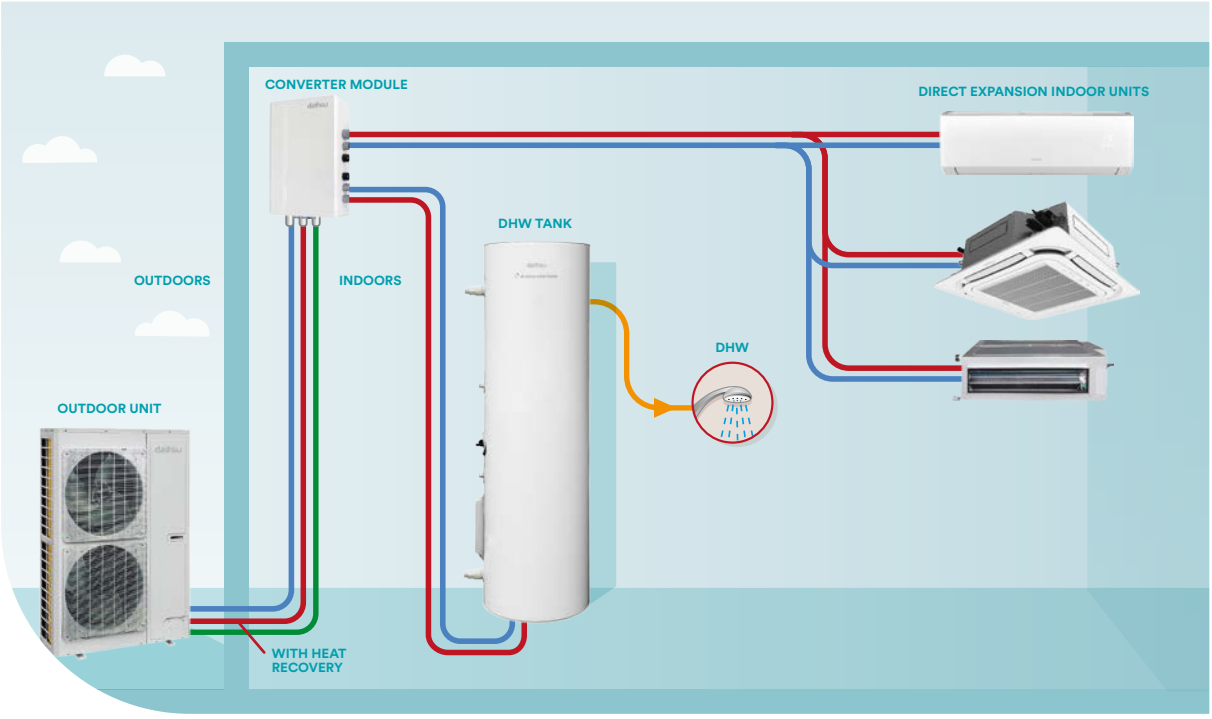
Wi-Fi control.

Multi-Hybrid layouts

Mixed application with Aquabox, DHW tank, radiant floor system and direct expansion.



Mixed application with DHW generator and direct expansion.



AOHD Outdoor Units

PERFECTLY ADAPT TO RESIDENTIAL AND LIGHT COMMERCIAL SPACES

Multi-Hybrid outdoor units guarantee adaptability to different urban planning regulations and ease of transportand handling, thanks to their compact dimensions.

WI-FI CONTROL (OPTIONAL)

The indoor unit can be controlled from any location via Smartphone or Tablet using the **EWPE Smart app.***

FEATURES

- Full DC inverter technology.
- Real-time PID control, which achieves efficiencies 15% higher than conventional inverters.
- Summer heat recovery function with the unit working in cooling mode for free DHW.
- Optimised automatic defrosting to avoid fluctuations in indoor temperature.
- Multi-stage “brushless” EC fan motor.
- Refrigerant pipes with double-helical inner wall conduction to cause refrigerant subcooling and thus improve the system’s efficiency.

Model		AOHD40	AOHD45	AOHD54
Code		3IDA02000	3IDA02001	3IDA02002
Cooling power	kW	12,1	14	16
Heating power	kW	14	16,5	18,5
EER / COP		3,97 / 4,24	3,52 / 4,02	3,30 / 3,96
SEER / SCOP		3,72	3,72	3,72
COPdhw EN 16147 warm climate		2,74	2,74	2,74
Energy class 35°C		A+	A+	A+
Power supply	V / nº / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Electricity consumption cold / heat	kW	3,05 / 3,3	3,98 / 4,1	4,85 / 4,67
Maximum current	A	32	32	40
Nominal current cold / heat	A	16,1 / 16,1	18,6 / 19,1	22,4 / 22,6
Cold operating range	°C	-5~+50	-5~+50	-5~+50
Heat operating range	°C	-15~+24	-15~+24	-15~+24
Refrigerant	Type	R410A	R410A	R410A
Refrigerant load	Kg	5	5	5
Compressor	Type / nº	DC Inverter rotary / 1	DC Inverter rotary / 1	DC Inverter rotary / 1
Fan	Type / nº	Axial / 2	Axial / 2	Axial / 2
Air flow rate	m³/h	6000	6300	6600
Simultaneity coefficient	%	80 a 110	80 a 110	80 a 110
Refrigeration connections - High-pressure gas	Pul.	1/2	1/2	1/2
Refrigeration connections - Gas	Pul.	5/8	5/8	3/4
Refrigeration connections - Liquid	Pul.	3/8	3/8	3/8
Sound pressure	dB (A)	55	56	58
Max. Connectable indoor units	nº	6	7	8
Max. Total distance	m	300	300	300
Dimensions Height / Width / Depth	mm	1345 / 900 / 340	1345 / 900 / 340	1345 / 900 / 340
Gross weight / Net weight	Kg	123 / 113	123 / 113	123 / 113

Accessories	
3IDA90027	Adaptor VRF ADV MODBUS E6
3IDA90031	Adaptor VRF ADV USB MODBUS
3NDA90089	Adaptor VRF ADV_GATEWAY_ENERC
3IDA90102	Adaptor VRF ADV USB
3IDA90101	Adaptor VRF ADV
3IDA90091	ADV C2 Wi-Fi Module for Multi-Hybrid
3IDA90100	ADV remote management soft-ware interface
3IDA40008	Aquatank MB 300L single-phase
3IDA90042	Centralised control VRF CVD 52
3IDA90043	Centralized control VRF CDV 53
3IDA90018	Collector VRF UDV EXT T1
3IDA90041	Control VRF CDV Receiver IR JS
3IDA90097	Dry Contact Gateway
3NDA90088	Energy management software
3IDA90095	Hydraulic separator 100 litres 8 ports
3IDA90093	Hydraulic separator 25 litres 4 ports
3IDA90094	Hydraulic separator 50 litres 8 ports
3IDA90024	Remote management software
3NDA90011	Remote management software4
3IDA90004	Separator VRF SDV 09
3IDA90005	Separator VRF SDV 10
3IDA90006	Separator VRF SDV 11
3IDA90051	Separator VRF SDV 14 (2 AIHD)
3IDA90040	Wired advanced stop controller
3IDA90036	Wired control
3IDA90039	Wired control VRF CDV 55
3IDA90037	Wired control VRF CDV 57
3IDA90098	Wired Control VRF CDV_76
3IDA90034	Wireless control VRF
3IDA90035	Wireless control VRF CDV L1

Aquabox AIHD

AIR/WATER HYDRAULIC MODULE

Indoor unit of compact dimensions and avant-garde design with high-quality pre-painted and varnished metal structure. Allows heat distribution according toneed: heating and domestic hot water production, or managing one of the services independently.

FEATURES

- Hydraulic module integrating all hydraulic operatingand safety devices: flow switch, bleeder, high-efficiency circulation pump, safety valve, expansion vessel and electronic expansion valve.
- The plate heat exchanger is welded and made of AISI 316 stainless steel.
- Optional electric support and activation resistor.
- Integrated electronic control with black backlit background with possible master/slave connection and memory register to retain the programmed information in case of power failure.

Model		AIHD 16
Code		3IDA02005
Heating power	kW	4,5 (3,6-16)
Water flow rate	l/h	105
Circulation pump flow rate	m³/h	75-140
Maximum DHW temperature / radiant floor	°C	55 / 52
Radiant floor power Water 35°C - Outdoor temp. 7°C	kW	16
Electrical resistor power	kW	3
Power supply	V / n° / Hz	230 / 1 / 50
Refrigerant	Type	R410A
Circulation pump power	kW	0,08-0,14
Circulation pump available pressure	mca	6
Diameter hydraulic Input	Pul.	1/2
Diameter hydraulic output connections	Pul.	1/2
Refrigeration connections - Liquid	Pul.	3/8
Refrigeration connections - Gas	Pul.	5/8
Refrigeration connections - High-pressure gas	Pul.	1/2
Maximum total / vertical distance permitted	m	30 / 20
Dimensions Height / Width / Depth	mm	919 / 500 / 328
Gross weight / Net weight	Kg	62 / 56

Accessories	
3NDA90088	Energy management software
3IDA90024	Remote management software

Multi-Hybrid DHW

DHW GENERATOR VIA BUFFER TANK

The Multi-Hybrid DHW generator consists of a buffer tank and a converter module,which are connected to the Multi-Hybridoutdoor unit to produce DHW. This system is compatible with all direct expansion indoor units while maintaining heat recovery.

Model		AIHD ACS 185
Code		3IDA03000
Heating power	kW	4,5
Power supply	V / nº / Hz	230 / 1 / 50
Capacity	l	185
COPdhw EN 16147 medium climate		2,79
Backup resistor	kW	1,5
Maximum temperature - DHW	ºC	55
DHW connections diameter	Pul.	5/8
Refrigeration connections - Liquid	Pul.	3/8
Refrigeration connections - Gas	Pul.	5/8
Refrigeration connections - High-pressure gas	Pul.	1/2
Dimensions height / diameter	mm	1994 / 462
Dimensions Module Height / Width / Depth	mm	485 / 370 / 135
Generator net weight	Kg	9
Storage tank net weight	Kg	72,5

Accessories	
3IDA90042	Centralised control VRF CVD 52
3IDA90037	Wired control VRF CDV 57

ACVD Duct

DUCT-TYPE AIR/AIR INDOOR UNITS FOR CONNECTION TO THE MULTI-HYBRID SYSTEM

Indoor unit BP low-pressure duct type up to 30 or 80 Pa, and high-pressure LAP models available up to 200 Pa. Designed with standard sizes for installation in false ceilings and with the possibility of coupling to a duct or direct drive network.

FEATURES

- Easily removable synthetic filters for easy washing.
- High-quality fan motor suitable for a wide static pressure range.
- Connection of condensate drainage pipes in different directions, thus facilitating installation.
- The cable control together with these units allows to execute a master/slave connection.
- The cable control allows simultaneous control of the underfloor heating system.
- Cable control included.

REFRIGERANT R410A

ACVD Duct Low Pressure

Model		ACVD07BP	ACVD09BP	ACVD12BP	ACVD14BP	ACVD18BP2	ACVD20BP	ACVD26BP	ACVD30BP	ACVD34BP	ACVD54BP
Code		3IDA10100	3IDA10102	3IDA10104	3IDA10106	3IDA10125	3IDA10109	3IDA10111	3IDA10112	3IDA10113	3IDA10116
Cooling power	kW	2,20	2,8	3,6	4,5	5	5,6	8	9	10	14
Heating power	kW	2,5	3,2	4	5	5,6	6,3	9	10	11,2	16
Power supply	V / nº / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Electricity consumption	kW	0,03	0,03	0,04	0,04	0,05	0,05	0,05	0,13	0,13	0,17
Air flow rate H / M / L	m³/h	450 / 350 / 200	450 / 350 / 200	550 / 400 / 300	750 / 550 / 400	850 / 700 / 550	850 / - / -	1100 / - / -	1500 / 1250 / 900	1500 / 1350 / 1000	2000 / 1700 / 1400
Absorbed current	A	0,2	0,2	0,3	0,3	0,4	0,4	0,5	0,63	0,63	0,8
Available pressure	Pa	15/0-30	15/0-30	15/0-30	15/0-30	15/0-30	15/0-30	50/0-80	50/0-80	50/0-80	50/0-80
Sound pressure	dB (A)	31	31	32	33	35	-	-	36	40	42
Refrigeration connections - Liquid	Pul.	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
Refrigeration connections - Gas	Pul.	3/8	3/8	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8
Drainage tube ext. diameter / thickness	mm	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5
Fans	nº	2	2	2	3	3	-	-	3	3	3
Motor	Type	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
Dimensions Height / Width / Depth	mm	200 / 710 / 462	200 / 710 / 462	200 / 710 / 462	200 / 1010 / 462	200 / 1010 / 462	200 / 1010 / 462	260 / 1200 / 655	260 / 1340 / 655	260 / 1340 / 655	260 / 1340 / 655
Net weight	Kg	18,5	18,5	19	25	25	25	31	45,5	45,5	46,5

ACVD Duct High Pressure

Model		ACVD12 LAP	ACVD14 LAP	ACVD18 LAP 2	ACVD24 LAP 2	ACVD30 LAP 2	ACVD34 LAP 2	ACVD36 LAP	ACVD45 LAP 2	ACVD54 LAP 2	ACVD60 LAP 2
Code		3IDA10004	3IDA10006	3IDA10118	3IDA10119	3IDA10120	3IDA10121	3IDA10014	3IDA10122	3IDA10123	3IDA10124
Cooling power	kW	3,6	4,5	5,6	7,1	9	10	11,2	12,5	14	16
Heating power	kW	4	5	6,3	8	10	11,2	12,5	14	16	18
Power supply	V / nº / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Electricity consumption	kW	0,06	0,08	0,09	0,1	0,14	0,14	0,16	0,16	0,22	0,23
Air flow rate H / M / L	m³/h	600 / 500 / 420	850 / 700 / 600	1000 / 800 / 700	1250 / 1050 / 950	1800 / 1450 / 1250	1800 / 1450 / 1250	2000 / 1600 / 1400	2000 / 1600 / 1400	2350 / 1900 / 1650	2500 / 2000 / 1750
Absorbed current	A	0,3	0,4	0,4	0,5	0,6	0,6	0,7	0,7	1	1
Available pressure	Pa	60/0-150	60/0-150	90/0-200	90/0-200	90/0-200	90/0-200	90/0-200	90/0-200	90/0-200	90/0-200
Sound pressure H / M / L	dB (A)	- / 33 / -	- / 36 / -	37 / 35 / 33	38 / 36 / 34	40 / 37 / 35	40 / 37 / 35	- / 38 / -	40 / 38 / 36	42 / 39 / 37	44 / 41 / 38
Refrigeration connections - Liquid	Pul.	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Refrigeration connections - Gas	Pul.	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	3/4
Drainage tube ext. diameter / thickness	mm	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5
Fans	nº	1	1	2	2	3	3	3	3	3	3
Motor	Type	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
Dimensions Height / Width / Depth	mm	300 / 700 / 700	300 / 700 / 700	300 / 1000 / 700	300 / 1000 / 700	300 / 1400 / 700	300 / 1400 / 700	300 / 1400 / 700	300 / 1400 / 700	300 / 1400 / 700	300 / 1400 / 700
Net weight	Kg	32	34	43	43	57	57	57	57	58	58

Accessories	
3IDA90091	ADV C2 Wi-Fi Module for Multi-Hybrid
3IDA90042	Centralised control VRF CVD 52
3IDA90139	Centralized control CDV 58
3IDA90097	Dry Contact Gateway
3IDA90040	Wired advanced stop controller
3IDA90036	Wired control
3IDA90039	Wired control VRF CDV 55
3IDA90034	Wireless control VRF
3IDA90035	Wireless control VRF CDV L1

AUVD Cassette

INDOOR AIR/AIR CASSETTE UNITS FOR CONNECTIONTO THE MULTI-HYBRID SYSTEM

8-way circular flow cassette indoor unit with 4 standard air outlets and 4 additional air outlets in the corners, allowing 360° coverage.

A comprehensive range with compact dimensions of 57×57(62×62 with panel) or the MAX range with dimensions of 84×84 (95×95 with panel), to adapt perfectly to the installation needs.

FEATURES

- 360° air outlet.
- 4 lateral lines and 4 corner lines.
- Easy to install and handle thanks to its low weight.
- They include an internally mounted condensate pump for easy maintenance and to reduce installation time.
- The connection of the drain lines can be carried out in different directions, thus facilitating installation.
- Different operating methods, with low sound emission.
- Wireless control included.

THE NEW MAX 2 SERIES INCLUDES

- New fan blades and redesigned electronics layout, allowing greater airflow (capacity) and reducing noise levels.
- New casing design that is both more aesthetic and more durable.
- Multi-speed EC motor.
- Air purification function (removes PM2.5 particles and formaldehyde).
- New condensate pump with increased lift height (1200 mm) and reduced noise level.

inverter REFRIGERANT R410A

AUVD Cassette

Model		AUVD 09	AUVD 12	AUVD 14	AUVD 18
Code		3IDA11035	3IDA11000	3IDA11005	3IDA11015
Cooling power	kW	2,8	3,6	4,5	5,6
Heating power	kW	3,2	4,0	5,0	6,3
Power supply	V / nº / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Electricity consumption	kW	0,03	0,03	0,045	0,045
Air flow rate H / M / L	m³/h	570 / 480 / 420	620 / 550 / 480	730 / 650 / 560	730 / 650 / 560
Absorbed current	A	0,15	0,15	0,23	0,23
Sound pressure H / M / L	dB (A)	36 / 33 / 28	39 / 37 / 35	43 / 41 / 39	43 / 41 / 39
Refrigeration connections - Liquid	Pul.	1/4	1/4	1/4	3/8
Refrigeration connections - Gas	Pul.	3/8	1/2	1/2	5/8
Drainage tube ext. diameter / thickness	mm	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5
Fans	nº	1	1	1	1
Fan speeds	nº	3	3	3	3
Motor	Type	DC Inverter	DC Inverter	DC Inverter	DC Inverter
Dimensions Height / Width / Depth	mm	265 / 570 / 570	265 / 570 / 570	265 / 570 / 570	265 / 570 / 570
Dimensions Panel Height / Width / Depth	mm	47,5 / 620 / 620	47,5 / 620 / 620	47,5 / 620 / 620	47,5 / 620 / 620
Net weight	Kg	17,5	17,5	17,5	17,5
Panel net weight	Kg	3	3	3	3

AUVD Cassette Max

Model		AUVD 24 MAX	AUVD 30 MAX	AUVD 36 MAX	AUVD 45 MAX	AUVD 54 MAX
Code		3IDA11435	3IDA11445	3IDA11455	3IDA11460	3IDA11465
Cooling power	kW	7,1	9	11,2	12,5	14
Heating power	kW	8	10	12,5	14	16
Power supply	V / nº / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Electricity consumption	kW	0,06	0,085	0,115	0,115	0,115
Air flow rate H / M / L	m³/h	1100 / 935 / 850	1400 / 1000 / 900	1550 / 1200 / 1000	1800 / 1450 / 1150	1800 / 1450 / 1150
Absorbed current	A	0,4	0,4	0,6	0,6	0,6
Sound pressure H / M / L	dB (A)	37 / 34 / 31	39 / 37 / 34	43 / 41 / 39	43 / 41 / 39	43 / 41 / 39
Refrigeration connections - Liquid	Pul.	3/8	3/8	3/8	3/8	3/8
Refrigeration connections - Gas	Pul.	5/8	5/8	5/8	5/8	5/8
Drainage tube ext. diameter / thickness	mm	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5	25 / 2,5
Fans	nº	1	1	1	1	1
Fan speeds	nº	3	3	3	3	3
Motor	Type	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
Dimensions Height / Width / Depth	mm	240 / 840 / 840	240 / 840 / 840	290 / 840 / 840	290 / 840 / 840	290 / 840 / 840
Dimensions Panel Height / Width / Depth	mm	65 / 950 / 950	65 / 950 / 950	65 / 950 / 950	65 / 950 / 950	65 / 950 / 950
Net weight	Kg	28	29	33	33	33
Panel net weight	Kg	6	6	6	6	6

Accessories	
3IDA90091	ADV C2 Wi-Fi Module for Multi-Hybrid
3IDA90042	Centralised control VRF CVD 52
3IDA90139	Centralized control CDV 58
3IDA90097	Dry Contact Gateway
3IDA90040	Wired advanced stop controller
3IDA90036	Wired control
3IDA90039	Wired control VRF CDV 55
3IDA90034	Wireless control VRF
3IDA90035	Wireless control VRF CDV L1

ASVD Premium Wall-Mounted

WALL-MOUNTED AIR/AIR INDOOR UNITS FOR CONNECTION TO THE MULTI-HYBRID SYSTEM

Wall-mounted indoor unit for wall installation, with compact dimensions, modern design and smooth lines to adapt to any space.

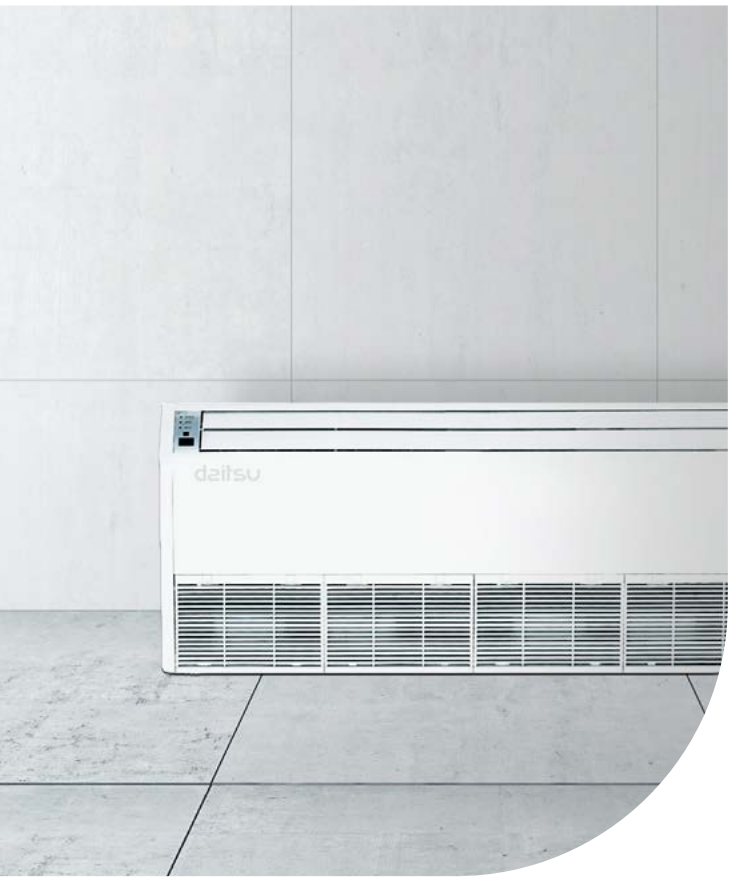
FEATURES

- They come standard with synthetic filters that are easy to remove and can be easily washed.
- Silent operation possible.
- Compact dimensions to suit interior spaces with avant-garde design.
- X-Fan self-cleaning operation possible.
- Pre-heating function allows the units to be programmed to guarantee a minimum temperature of 10 °C in the different rooms.
- Homogeneous air distribution through automatic blade oscillation.
- Wireless control included.

Model		ASVD 09	ASVD 12	ASVD 14	ASVD 18	ASVD 24
Code		3IDA12001	3IDA12002	3IDA12003	3IDA12005	3IDA12007
Cooling power	kW	2,8	3,6	4,5	5,6	7,1
Heating power	kW	3,2	4	5	6,3	7,5
Power supply	V / nº / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Electricity consumption	kW	0,02	0,025	0,035	0,05	0,065
Air flow rate H / M / L	m³/h	500 / 440 / 300	630 / 460 / 320	850 / 580 / 500	1100 / 850 / 650	1200 / 850 / 650
Absorbed current	A	0,10	0,12	0,17	0,24	0,31
Sound pressure H / M / L	dB (A)	35 / 33 / 30	38 / 35 / 31	43 / 40 / 37	43 / 41 / 37	44 / 41 / 37
Drainage tube ext. diameter / thickness	mm	20 / 1,5	20 / 1,5	20 / 1,5	30 / 1,5	30 / 1,5
Dimensions Height / Width / Depth	mm	209 / 845 / 289	209 / 845 / 289	224 / 970 / 300	246 / 1078 / 325	246 / 1078 / 325
Net weight	Kg	10,5	10,5	12,5	16	16

Accessories	
3IDA90091	ADV C2 Wi-Fi Module for Multi-Hybrid
3IDA90042	Centralised control VRF CVD 52
3IDA90139	Centralized control CDV 58
3IDA90097	Dry Contact Gateway
3IDA90040	Wired advanced stop controller
3IDA90036	Wired control
3IDA90039	Wired control VRF CDV 55
3IDA90034	Wireless control VRF
3IDA90035	Wireless control VRF CDV L1

AVBD 2 Floor-Ceiling



FLOOR AND FLOOR-CEILING INDOOR UNITS FOR CONNECTION TO MULTI-HYBRID SYSTEM

ABVD 2 floor and floor-ceiling indoor unit for residential and service sector installation due to airflow. Versatile units that allow installation in any room, adapting to the user's needs.

FEATURES

- They come standard with synthetic filters that are easy to remove and can be easily washed.
- Silent operation possible.
- Compact dimensions to suit all types of interior spaces.
- Homogeneous air distribution through automatic blade oscillation.
- The ABVD models have maximum flexibility in the placement or positioning of the drain tray, allowing the same unit to be installed either vertically or horizontally
- Wireless control included.
- The wired control together with these units allows a master/slave connection and also the simultaneous control of the radiant floor.

Model		DVB 2 09	DVB 2 12	DVB 2 24	DVB 2 36	DVB 2 45	DVB 2 54
Code		3IDA12409	3IDA12410	3IDA12413	3IDA12415	3IDA12416	3IDA12417
Cooling power	kW	2,80	3,60	7,10	11,20	12,50	14,00
Heating power	kW	3,2	4,0	8,0	12,50	14,0	16,0
Power supply	V / nº / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Absorbed current	A	0,2	0,2	0,4	0,7	0,7	0,8
Air flow rate H / M / L	m³/h	600 / 500 / 450	600 / 500 / 450	1350 / 1200 / 1050	1800 / 1600 / 1400	1800 / 1600 / 1400	2000 / 1750 / 1600
Sound pressure H / M / L	dB (A)	36 / 32 / 29	36 / 32 / 29	44 / 41 / 38	47 / 44 / 42	47 / 44 / 42	49 / 45 / 43
Fan speeds	nº	3	3	3	3	3	3
Refrigeration connections - Liquid	Pul.	1/4	1/4	3/8	3/8	3/8	3/8
Refrigeration connections - Gas	Pul.	3/8	1/2	5/8	5/8	5/8	5/8
Dimensions Height / Width / Depth	mm	665 / 870 / 235	665 / 870 / 235	665 / 1200 / 235	665 / 1570 / 235	665 / 1570 / 235	665 / 1570 / 235
Net weight	Kg	24	24	32	41	41	43

Accessories	
3IDA90091	ADV C2 Wi-Fi Module for Multi-Hybrid
3IDA90139	Centralized control CDV 58
3IDA90097	Dry Contact Gateway
3IDA90040	Wired advanced stop controller
3IDA90036	Wired control
3IDA90034	Wireless control VRF
3IDA90035	Wireless control VRF CDV L1

Multi-Hybrid Controls

			Outdoor unit	Hidrobox	Duct	Cassette	Wall-Mounted	Floor-Ceiling
3IDA90024		REMOTE MANAGEMENT SOFTWARE DAITSU software for the remote monitoring of the units from a computer. It allows real-time monitoring of functions such as temperatures, pressures and operating states or errors. For operation, it is necessary to install the accessory 3IDA90100.	○					
3NDA90088		ENERGY MANAGEMENT SOFTWARE Software specially designed to monitor and know the energy consumption of the outdoor unit for each connected indoor unit. Ideal for communities of neighbours who share the outdoor unit and need to distribute consumption, among other functions.	○					
3IDA90097		DRY CONTACT GATEWAY Dry contact gateway to control machine on/off, operating mode, emergency stop, machine status (cooling, heating, ...), etc. Allows control of up to 16 indoor units.			○	○	○	○
3IDA90100		ADV REMOTE MANAGEMENT SOFTWARE INTERFACE Adaptor required for the operation of the remote management and energy management software (3NDA90088).	○					
3IDA90101		ADAPTOR VRF ADV MODBUS RS485 adaptor enabling CANBUS or BACNet protocol.	○					
3IDA90034		WIRELESS CONTROL VRF CDV 1F Remote control for controlling the indoor unit.			○	●	●	●
3IDA90035		WIRELESS CONTROL VRF CDV L1 Remote control for controlling the indoor unit. It also enables control of the radiant floor and 3D heating feature.			○	○	○	○

			Outdoor unit	Hidrobox	Duct	Cassette	Wall-Mounted	Floor-Ceiling
3IDA90036		WIRED CONTROL VRF CDV 46 Wired control with black/white LCD display and buttons, allowing up to 16 indoor units to be connected as a single unit. It allows control of the basic functions as well as the master/slave function for simultaneous control of different units.			●	○	○	○
3IDA90037		WIRED CONTROL VRF CDV 57 Wired control design with LCD touch screen and compact dimensions. Specifically intended to control the Hidrobox unit as a slave to the main control.		●				
3IDA90039		WIRED CONTROL VRF CDV 55 Wired control with backlit LCD colour touch screen. Allows control of up to 16 indoor units from the same controller (functions in group mode change). Among the most important functions are mode selection, capacitive touch control and different timing functions.			○	○	○	○
3IDA90040		WIRED CONTROL VRF CDV 79 Wired control design with LCD touch screen and compact dimensions. Allows real-time monitoring of functions such as temperatures, 24h timer, filter cleaning alert, operating status or errors. It is also possible to connect an external stop-start control.			○	○	○	○
3IDA90042		CENTRALISED CONTROL VRF CDV 52 Centralised control with 7" LCD touch screen. Allows connection of up to 16 systems and 255 indoor units, control of basic functions plus group management, individual or group locking functions and advanced functions.		○	○	○	○	○
3IDA90091		ADV C2 WI-FI MODULE FOR MULTI-HYBRID	○					

● Included
○ Optional

MULTITASK SPLIT

The most versatile and multipurpose multitasking system capable of adapting to any climate, heating and DHW solution.

Daitsu's multitask systems are the perfect solution for renovations and new-builds, providing domestic hot water and hot and cold air conditioning by radiant floor or fancoil. The SPACE II air-to-water multitasking heat pump is a split system with an ultra-compact hydraulic indoor unit (just 27 cm wide) to facilitate placement of the unit in confined spaces. The Urban II, on the other hand, has the compact indoor unit with just one system.

MAXIMUM ENERGY EFFICIENCY WITH **COP OF UP TO 5.55**

Compatible with the entire range of Daitsu fancoils

Compact dimensions of the indoor unit

Installation distances of 20/30 m

Integrated 3-way valve

16 climate curves available.

Legionella protection function with DHW production at 70 °C

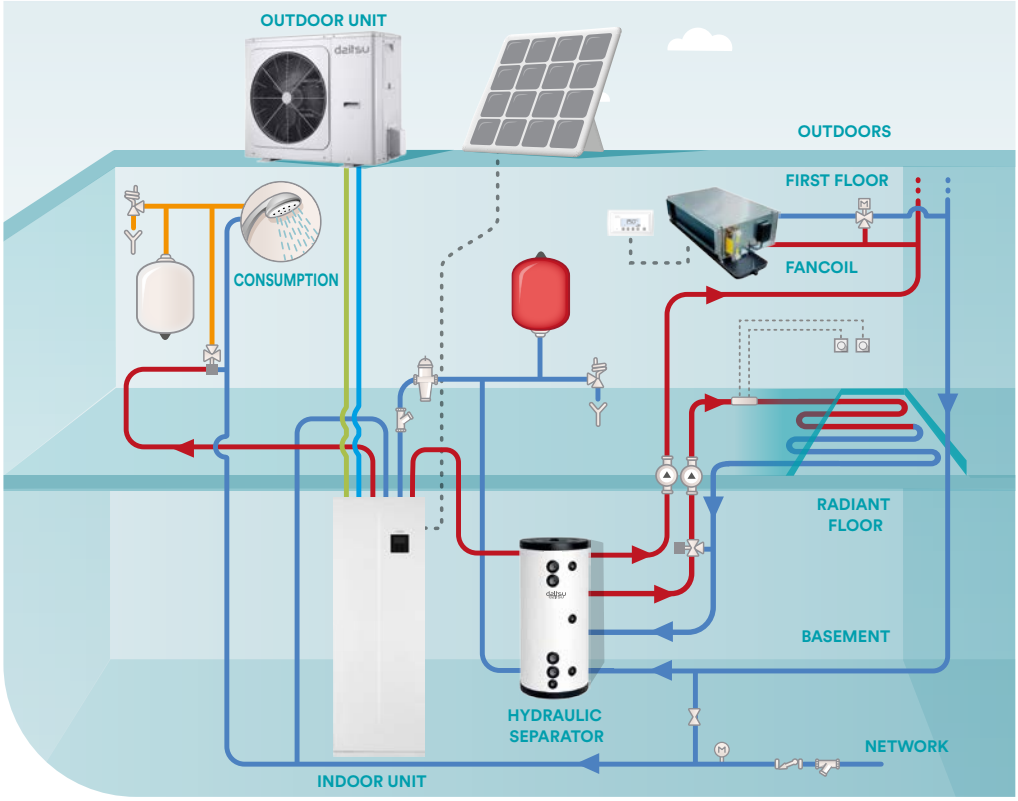
Smart Grid for solar connection

Copy of the parameters via USB.

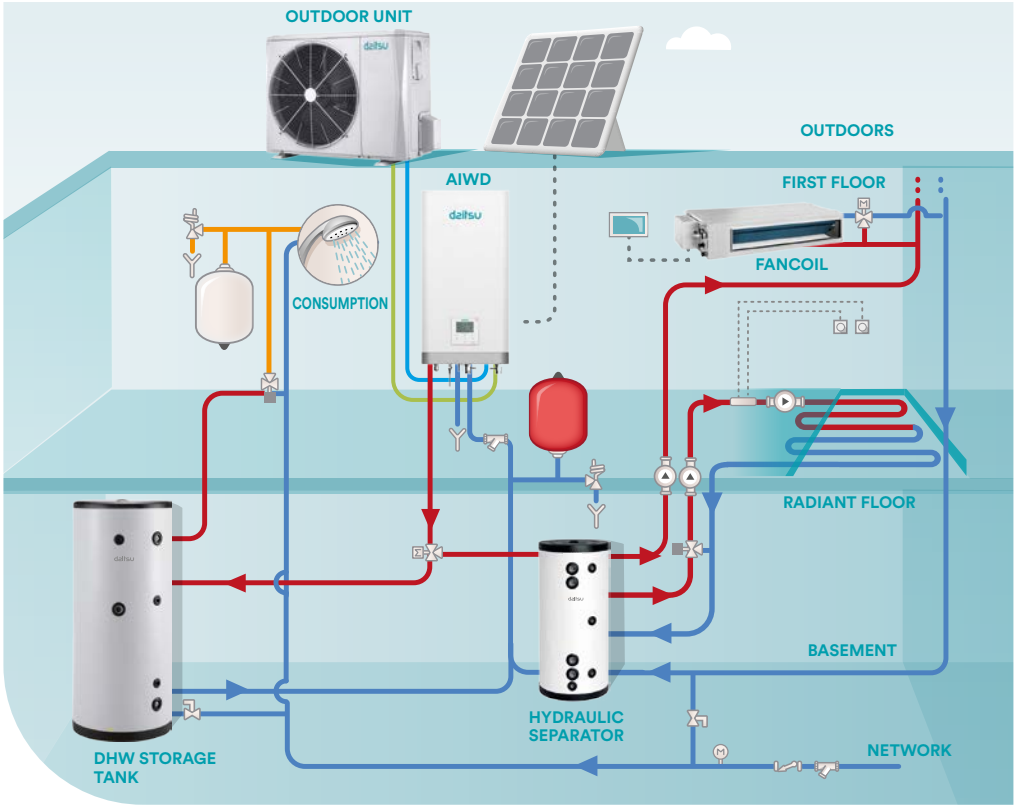
Easy programming via touch screen or Smartphone.

Multitask layouts

Urban II compact application with radiant floor and fancoils.



Space II application with DHW tank, radiant floor and fancoils.



Space II split

HIGH-EFFICIENCY MULTITASK SYSTEM

The most versatile and multipurpose multitasking system capable of adapting to any refrigeration, heating and DHW solution. The SPACE II air-to-water multitasking heat pumpis a split system with an ultra-compact hydraulic indoor unit(just 27 cm wide) to facilitate placement of the unit in the space provided in the home. The unit is capable of providing homes with air conditioning, heating and DHW all year round, connected to an inter-accumulator, and it does so in the most efficient and comfortable way.

FEATURES

- High-performance and low emissions thanks to operation with R32 gas.
- Maximum energy savings thanks to different heating curves.
- Double control set point.
- More comfort in the home with the SILENCE function.
- Hybrid system that allows connection to solar panels and/ or back-up boiler.
- Drain tray and pipe included.
- Dynamic management of the legionella protection cycle.
- Possible to control via standard Modbus RTU.
- Prepared for Smart Grid networks.
- Compatible with the entire range of Daitsu fan coils.

WI-FI CONTROL INCLUDED

The indoor unit can be controlled from any location via Smartphone or Tablet using the **iLetComfort app.**

Model		AWD 040	AWD 060	AWD 080	AWD 100	AWD 120	AWD 120T	AWD 140	AWD 140T	AWD 160	AWD 160T
Code		3IDA02090	3IDA02091	3IDA02092	3IDA02093	3IDA02094	3IDA02097	3IDA02095	3IDA02098	3IDA02096	3IDA02099
OUTDOOR UNIT											
Refrigeration connections liquid	Pul.	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Refrigeration connections Gas	Pul.	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
Heating power Outdoor 7°C / Supply 35°C	kW	4,25	6,2	8,3	10	12,1	12,1	14,5	14,5	16	16
Cooling power Outdoor 45°C / Supply 18°C	kW	4,5	6,5	8,4	10	12	12	13,5	13,5	14,9	14,9
EER / COP		5,55 / 5,2	4,9 / 5	5,05 / 5,2	4,8 / 5	4 / 4,95	4 / 4,95	3,6 / 4,7	3,6 / 4,7	3,4 / 4,5	3,4 / 4,5
Power supply	V / nº / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	400 / 3 / 50	230 / 1 / 50	400 / 3 / 50	230 / 1 / 50	400 / 3 / 50
Maximum start current	A	18	18	19	19	30	14	30	14	30	14
SCOP		4,85	4,95	5,21	5,19	4,81	4,81	4,72	4,72	4,62	4,62
COPdhw EN 16147 warm climate		3,09	3,09	3,02	3,02	3	3	3	3	3	3
SEER		4,99 (7°C) / 7,77 (18°C)	5,34 (7°C) / 8,21 (18°C)	5,83 (7°C) / 8,95 (18°C)	5,98 (7°C) / 8,78 (18°C)	4,89 (7°C) / 7,10 (18°C)	4,86 (7°C) / 7,04 (18°C)	4,86 (7°C) / 6,90 (18°C)	4,83 (7°C) / 6,85 (18°C)	4,69 (7°C) / 6,75 (18°C)	4,67 (7°C) / 6,71 (18°C)
Energy class 35°C / 55°C / ACS		A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+
Operating range Outdoor temp.	°C	-25 ~ +43	-25 ~ +43	-25 ~ +43	-25 ~ +43	-25 ~ +43	-25 ~ +43	-25 ~ +43	-25 ~ +43	-25 ~ +43	-25 ~ +43
Maximum vertical / total distance	m	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30
Refrigerant	Type	R32	R32	R32	R32	R32	R32	R32	R32	R32	R32
Preload refrigerant	Kg	1,5	1,5	1,65	1,65	1,84	1,84	1,84	1,84	1,84	1,84
Sound power	dB (A)	56	58	59	60	64	64	65	65	68	68
Compressor	Type	DC Inverter twin rotary	DC Inverter twin rotary	DC Inverter twin rotary	DC Inverter twin rotary	DC Inverter twin rotary	DC Inverter twin rotary	DC Inverter twin rotary	DC Inverter twin rotary	DC Inverter twin rotary	DC Inverter twin rotary
Dimensions Height / Width / Depth	mm	712 / 1008 / 426	712 / 1008 / 426	865 / 1118 / 523	865 / 1118 / 523	865 / 1118 / 523	865 / 1118 / 523	865 / 1118 / 523	865 / 1118 / 523	865 / 1118 / 523	865 / 1118 / 523
Gross / net weight	Kg	64 / 58	64 / 58	88 / 77	88 / 77	110 / 96	125 / 112	110 / 96	125 / 112	110 / 96	125 / 112
INDOOR UNIT											
Power supply	V / nº / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Sound power	dB (A)	38	38	42	42	43	43	43	43	43	43
Expansion vessel	l	8	8	8	8	8	8	8	8	8	8
Min/max setpoint temp	°C	5 / 65	5 / 65	5 / 65	5 / 65	5 / 65	5 / 65	5 / 65	5 / 65	5 / 65	5 / 65
Maximum DHW temperature	°C	60	60	60	60	60	60	60	60	60	60
Safety value	bar	3	3	3	3	3	3	3	3	3	3
Dimensions Height / Width / Depth	mm	790 / 420 / 270	790 / 420 / 270	790 / 420 / 270	790 / 420 / 270	790 / 420 / 270	790 / 420 / 270	790 / 420 / 270	790 / 420 / 270	790 / 420 / 270	790 / 420 / 270
Gross / net weight	Kg	43 / 37	43 / 37	43 / 37	43 / 37	45 / 39	45 / 39	45 / 39	45 / 39	45 / 39	45 / 39

Accessories	
3IDA90104	3 kw resistence
3IDA90105	4.5 kw resistence
3IDA40020	Aquatank IU WITD HP 200L
3IDA40021	Aquatank IU WITD HP 300L
3IDA90095	Hydraulic separator 100 litres 8 ports
3IDA90093	Hydraulic separator 25 litres 4 ports
3IDA90094	Hydraulic separator 50 litres 8 ports
3IDA90106	Three-phase 4.5 kw resistor

All in One Urban II split

THE MOST POWERFUL AND COMPACT MULTITASKING SOLUTION FOR AIR-CONDITIONING AND DHW

New Urban all in one version II. An ATW heat pump based design-integrated solution to meet domestic hotwater and air conditioning needs in the home. An upgraded model, with powers from 4 to 16 kW and combinations with 190 or 240 litre storage tank.

FEATURES

- Compact dimensions of 60×60 cm.
- Installation distances of 20/30 m.
- Backup resistor of 3 kW.
- Integrated 3-way valve.
- 16 climate curves available.
- Legionella protection function.
- Smart Grid for connection to photovoltaic panels andsmart grid networks.
- Copy of the parameters via USB.
- Compatible with the entire range of Daitsu fan coils.
- Rotary DC Inverter compressor.

CENTRALISED CONTROL FOR CASCADING OF SEVERAL UNITS

With easy direct connection to the different displays of the URBAN II monobloc units' standard remote controls, it will allow us to control up to 4 units.

WI-FI CONTROL INCLUDED

The indoor unit can be controlled from any location via Smartphone or Tablet using the **iLetComfort app.**

Model		AWD 040	AWD 060	AWD 080	AWD 080	AWD 100	AWD 100	AWD 120	AWD 120T	AWD 140	AWD 140T	AWD 160	AWD 160T
Code		3IDA02010	3IDA02011	3IDA02012	3IDA02014	3IDA02015	3IDA02013	3IDA02016	3IDA02019	3IDA02017	3IDA02020	3IDA02018	3IDA02021
Heating power Temp 7/W35	kW	4,25	6,20	8,30	8,30	10,00	10,00	12,10	12,10	14,50	14,50	16,00	16,00
Cooling power T°35/ W18	kW	4,50	6,55	8,40	8,40	10,00	10,00	12,00	12,00	13,50	13,50	14,90	14,90
Load profile		L	L	L	XL	XL	L	XL	XL	XL	XL	XL	XL
SCOPdhw Warm climate (A14)		3,8	3,8	3,66	4,18	4,18	3,66	3,73	3,73	3,73	3,73	3,73	3,73
SCOPdhw Medium climate (A7)		3,1	3,1	3,02	3,36	3,36	3,02	3,00	3,00	3,00	3,00	3,00	3,00
SCOPdhw Cold climate (A2)		2,5	2,5	2,61	2,72	2,72	2,61	2,24	2,24	2,24	2,24	2,24	2,24
DHW maximum production temperature	°C	+30 ~+60	+30 ~+60	+30 ~+60	+30 ~+60	+30 ~+60	+30 ~+60	+30 ~+60	+30 ~+60	+30 ~+60	+30 ~+60	+30 ~+60	+30 ~+60
Hydraulic Input / Output connections	Pul.	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Nominal water flow	m³/h	0,73	1,07	1,43	1,43	1,72	1,72	2,08	2,08	2,49	2,75	2,75	2,49
Expansion vessel capacity	l	8	8	8	8	8	8	8	8	8	8	8	8
OUTDOOR UNIT													
COP/SCOP Outdoor 7°C / Supply 35°C		5,18 / 4,85	5,00 / 4,95	5,19 / 5,22	5,19 / 5,22	5,00 / 5,22	5,00 / 5,22	4,96 / 4,81	4,96 / 4,72	4,69 / 4,81	4,69 / 4,62	4,49 / 4,72	4,49 / 4,62
Energy class Outdoor 7°C / Supply 35°C		A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
EER/SEER Outdoor 45°C / Supply 18°C		5,55 / 7,77	4,90 / 8,25	5,05 / 8,94	5,05 / 8,80	4,80 / 8,80	4,80 / 8,94	4,00 / 7,14	4,00 / 7,00	3,60 / 6,85	3,60 / 6,81	3,40 / 6,67	3,40 / 6,63
Power supply	V / nº / Hz	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	400 / 3 / 50	220 / 1 / 50	400 / 3 / 50	220 / 1 / 50	400 / 3 / 50
Maximum absorbed current	A	18	18	19	19	19	19	30	14	30	14	30	14
Sound power	dB (A)	56	58	59	59	60	60	64	64	65	65	68	68
Operating range Outdoor temp.	°C	-25~+43	-25~+43	-25~+43	-25~+43	-25~+43	-25~+43	-25~+43	-25~+43	-25~+43	-25~+43	-25~+43	-25~+43
Refrigerant	Type	R32	R32	R32	R32	R32	R32	R32	R32	R32	R32	R32	R32
Refrigerant load	Kg	1,5	1,5	1,65	1,65	1,65	1,5	1,84	1,84	1,84	1,84	1,84	1,84
Refrigeration connections liquid / gas	Pul.	1/4 / 5/8	1/4 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8
Maximum vertical / total distance	m	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30
Preload Distance - Additional Load	m / g/m	15 / 20	15 / 20	15 / 38	15 / 38	15 / 38	15 / 38	15 / 38	15 / 38	15 / 38	15 / 38	15 / 38	15 / 38
Dimensions Height / Width / Depth	mm	712 / 1008 / 426	712 / 1008 / 426	865 / 1118 / 523	865 / 1118 / 523	865 / 1118 / 523	865 / 1118 / 523	865 / 1118 / 523	865 / 1118 / 523	865 / 1118 / 523	865 / 1118 / 523	865 / 1118 / 523	865 / 1118 / 523
Gross / net weight	Kg	60 / 65	60 / 65	78 / 92	78 / 92	78 / 92	78 / 92	100 / 113	116 / 129	100 / 113	116 / 129	100 / 113	116 / 129
INDOOR UNIT													
Tank capacity	l	190	190	190	240	240	190	240	240	240	240	240	240
Power supply	V / nº / Hz	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50
Backup resistor power	kW	3	3	3	3	3	3	3	3	3	3	3	3
Min/max setpoint temp	°C	+5~+65	+5~+65	+5~+65	+5~+65	+5~+65	+5~+65	+5~+65	+5~+65	+5~+65	+5~+65	+5~+65	+5~+65
Sound power	dB (A)	38	38	40	40	40	40	42	42	44	44	44	44
Dimensions Height / Width / Depth	mm	1683 / 600 / 600	1683 / 600 / 600	1683 / 600 / 600	1943 / 600 / 600	1943 / 600 / 600	1683 / 600 / 600	1943 / 600 / 600	1943 / 600 / 600	1943 / 600 / 600	1943 / 600 / 600	1943 / 600 / 600	1943 / 600 / 600
Gross / net weight	Kg	140 / 161	140 / 161	140 / 161	157 / 178	157 / 178	140 / 161	159 / 180	159 / 180	159 / 180	159 / 180	159 / 180	159 / 180

Accessories	
3IDA90095	Hydraulic separator 100 litres 8 ports
3IDA90135	Hydraulic separator 120 litres 8 ports
3IDA90093	Hydraulic separator 25 litres 4 ports
3IDA90133	Hydraulic separator 40 litres 4 ports
3IDA90094	Hydraulic separator 50 litres 8 ports
3IDA90134	Hydraulic separator 80 litres 8 ports

MONOBLOC MULTITASK

A compact multitasking solution, designed for easy hydraulic connection without the need for refrigerant handling.

The Daitsu Monobloc range is the ideal solution for renovations and boiler replacement programs.

Active and Drive heat pumps use R290 refrigerant gas and provide domestic hot water and climate control (heating or cooling) through fan coils, underfloor heating, or radiators, thanks to water flow temperatures of up to 75°C.

DRIVE

MAXIMUM ENERGY EFFICIENCY WITH A **COP OF UP TO 4.99.**

ACTIVE II

MAXIMUM ENERGY EFFICIENCY WITH A COP OF UP TO 4.79.

Modbus · ERP · inverter · REFRIGERANT R290

A+++

Energy efficiency thanks to the DC inverter fan motor

Compatible with the entire Daitsu fan coil range

Water outlet at up to 75°C to maintain conventional radiator installations

Robust and high-quality design

Allows equipment integration via Modbus RS485 control

Built-in WiFi control

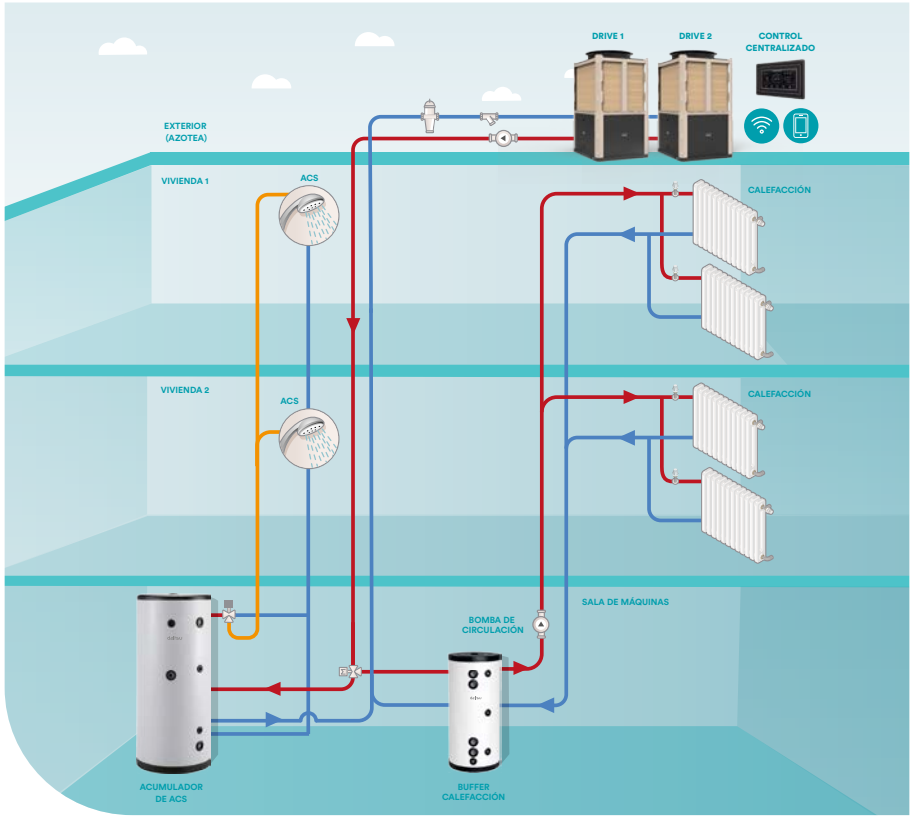
Remote management interface with touch control

Low noise level for a relaxed environment

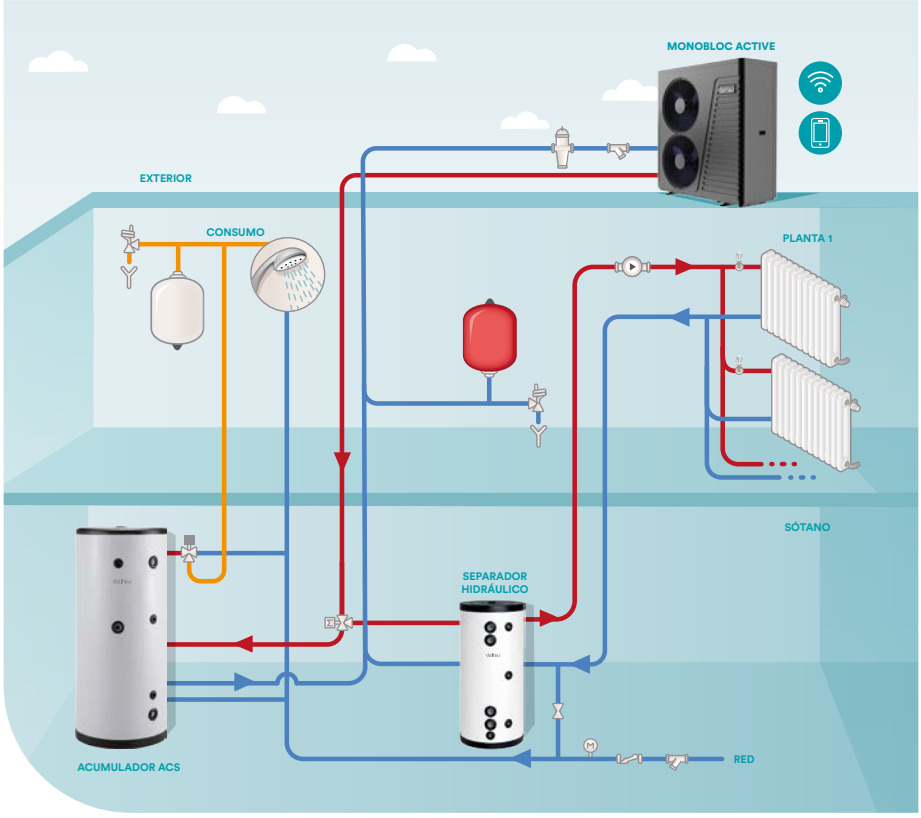
Includes compressor and drain pan heater

Multitask layouts

Centralized multitasking application with Monobloc Drive.



Monobloc Active II Application with conventional radiators and DHW storage tank.



Monobloc Active II NEW!

MAXIMUM EFFICIENCY AT HIGH TEMPERATURE

The Daitsu Monobloc Active II heat pump is the solution for renovations and boiler renovation plans, where it is necessary for the radiator supply to reach 70 °C. A robust unit which, thanks to the use of R290 gas, requires a lower refrigerant volume, leading to fewer CO2 emissions and maximum efficiency.

FEATURES

- Stylish design with top quality finishes.
- Energy classification A+++.
- High-efficiency DC inverter fan motor.
- Maximum water outlet temperature.
- Robust compressor and drain tray.
- Housing made of corrosion-resistant ABS material.
- Interior protected with pyramid foam to reduce sound level.
- Flow switch and circulation pump to protect the heatpump.
- Automatic defrosting.
- Drain valve included.
- Multi-zone control.
- SG function for photovoltaic integration.
- Significant increase in cooling performance compared to the previous version.

CENTRALIZED CONTROL

- Intelligent cascade control capable of simultaneously managing up to 16 Monobloc Active II units via ModBus RS485 communication protocol.
- It integrates heating curves compensating the setpoint temperature depending on the outside temperature or that of the DHW storage tanks.
- It is possible to assign an address to the different controlled units automatically.
- Weekly programmer.
- Optimises the defrost function by using the various connected units together.

CONTROL FROM APP

The system can be controlled from any location via Smartphone or Tablet using the **Warmlink** app, thanks to the SIM card included (no need for Wi-Fi in the home).

Model		AOWD 17X	AOWD2 04X	AOWD2 06X	AOWD2 10TX	AOWD2 10X	AOWD2 17TX	AOWD2 17X
Code		3IDA02399	3IDA11497	3IDA11498	3IDA11501	3IDA11499	3IDA11502	3IDA11500
Cooling power T°35/W18	kW	15,50	4	6	10	10	17	17
EER A35/W18	°C	2,44	4,24	4,12	4,31	4,31	4,05	4,05
Heating power Temp 7/W35	kW	17	4,07	7	9,72	10,48	17,02	16,98
COP A7/W35		4,53	4,79	4,78	4,57	4,56	4,23	4,22
SCOP A7/35		-	4,83	4,78	4,71	4,67	4,64	4,65
Heating capacity A7/W55	kW	17	4,14	6,95	9,67	9,17	16,92	17,09
COP A7/W55	°C	3,12	2,95	3,01	3,10	2,86	3,04	2,90
SCOP A7/W55		3,21	3,36	3,51	3,60	3,66	3,62	3,61
Energy class 35°C		A+++	A+++	A+++	A+++	A+++	A+++	A+++
Power supply	V / nº / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	400 / 3 / 50	230 / 1 / 50	400 / 3 / 50	230 / 1 / 50
Maximum current	A	35	13	17	12,2	24	16,1	36,1
Cold water output temperature	°C	5 -20	5 -20	5 -20	5 -20	5 -20	5 -20	5 -20
Heat water output temperature	°C	15 - 75	15 - 75	15 - 75	15 - 75	15 - 75	15 - 75	15 - 75
Working temperature range min / max	°C	-25 / 43	-25 / 43	-25 / 43	-25 / 43	-25 / 43	-25 / 43	-25 / 43
Refrigerant	Type	R290	R290	R290	R290	R290	R290	R290
Refrigerant load	Kg	1,3	0,65	0,65	1	1	1,4	1,4
Fan	Type / nº	DC / 2	DC / 1	DC / 1	DC / 1	DC / 1	DC / 2	DC / 2
Diameter hydraulic connections	Pul.	1	1	1	1	1	1	1
Sound pressure 1m	dB (A)	47	43	43	45	45	48	47
Sound power	dB (A)	62	54	56	59	59	61	62
Pumb available pressure	mca	12,5	5	7,5	8	8	10,4	10,4
Nominal water flow	m³/h	2,92	0,69	1	1,7	1,7	2,92	2,92
Dimensions Height / Width / Depth	mm	1330 / 1250 / 540	795 / 1167 / 407	795 / 1167 / 407	928 / 1287 / 458	928 / 1287 / 458	1330 / 1250 / 540	1330 / 1250 / 540
Gross weight / Net weight	Kg	202	115	115	150	140	220	205

Accessories	
3IDA40020	Aquatank IU WITD HP 200L
3IDA40021	Aquatank IU WITD HP 300L
3IDA40028	Aquatank NEO
3IDA90131	Centralised control MB Active
3IDA90095	Hydraulic separator 100 litres 8 ports
3IDA90135	Hydraulic separator 120 litres 8 ports
3IDA90134	Hydraulic separator 120 litres 8 ports
3IDA90093	Hydraulic separator 25 litres 4 ports
3IDA90133	Hydraulic separator 40 litres 4 ports
3IDA90094	Hydraulic separator 50 litres 8 ports
3IDA40029	Hydraulic separator 80 litres 8 ports
3IDA90130	Wi-Fi Control for Monobloc Active

Monobloc Drive NEW!

HIGH CAPACITY SOLUTIONS WITH NATURAL REFRIGERANT

New range of medium power air/water heat pumps, with heating powers of 20 kW and 35 kW capacities, combinable for cascade production up to 16 units.

Its compact design includes an integrated hydraulic pump inside the unit in the 20 kW model for connection to DHW storage tanks, radiators, fan coils, underfloor heating or other centralised commercial and residential applications.

A unit with maximum energy efficiency A+++, high water production temperature 73 °C and R290 refrigerant gas with very low GWP (0,5).

FEATURES

- Energy classification A+++ at 35°C and A++ at 55°C.
- Inverter scroll compressor with maximum precision in water temperature control.
- Several models of silent operation.
- Water outlet temperature at 73°C with an outside temperature of -7°C.
- EEV control logic to maintain constant water outlet temperature.
- Intelligent defrost through frequency adjustment and compensation.
- Inverter EVI (with steam injection) high COP at low outdoor operating temperatures.
- Pre-heating technology to increase compressor life cycle.

Model		AOWD 20TX	AOWD 35TX
Code		**3IDA11503**	**3IDA11504**
Heating power Temp 7/W35	kW	20	35
Cooling power	kW	16	24
EER / COP		2,2 / 4,69	2,4 / 4,99
SCOP - High temperature		3,49	3,26
SCOP - Medium temperature		4,71	4,52
Energy class 35°C		A+++	A+++
Power supply	V / nº / Hz	380 / 3 / 50	380 / 3 / 50
Operating range outdoor temp.	°C	-25 ~+43	-25 ~+43
Maximum current	A	17	30
Cold operating range	°C	5 ~+20	5 ~+20
Heat operating range	°C	15 ~+73	15 ~+73
Refrigerant	Type	R290	R290
Refrigerant load	Kg	1,8	1,5 x 2
Fan	Type / nº	DC / 2	DC / 1
Sound pressure	dB (A)	53	62
Diameter hydraulic connections	Pul.	G1	G1,5
Sound power	dB (A)	68	74
Dimensions Height / Width / Depth	mm	1330 / 1350 / 540	1816 / 1198 / 980
Gross weight / Net weight	Kg	223 / 202	456 / 363

Accessories	
3IDA40020	Aquatank IU WITD HP 200L
3IDA40028	Aquatank IU WITD HP 300L
3IDA40029	Aquatank NEO
3IDA90131	Centralised control MB Active
3IDA90095	Hydraulic separator 100 litres 8 ports
3IDA90135	Hydraulic separator 120 litres 8 ports
3IDA40021	Hydraulic separator 25 litres 4 ports
3IDA90133	Hydraulic separator 40 litres 4 ports
3IDA90094	Hydraulic separator 50 litres 8 ports
3IDA90134	Hydraulic separator 80 litres 8 ports
3IDA90130	Wi-Fi Control for Monobloc Active

Heatank V4.1 NEW!

THE MOST COMPACT AND EFFICIENT SOLUTION FOR DOMESTIC HOT WATER

The HEATANK V4.1 heat pump for DHW production is a practically plug&play unit capable of supplying users with DHW all year round as quickly and comfortably as a conventional electric boiler but with the advantage that it uses the energy contained in the air and transforms it into DHW so that the efficiency is approximately 350% higher than that of a conventional boiler.

A heat pump that supplies hot water to the home with great benefits: high energy efficiency, high performance and minimum consumption. And all with a compact and stylish design that makes it suitable for installation in any room in the home.

FEATURES

- Unit for wall installation of 100-150 litres and 200-300 litres for free-standing installation.
- Low sound level and minimum heat loss.
- High-thickness thermal insulating polyurethane.
- High operating range, from -5 °C to 43 °C.
- Domestic hot water production with outside temperature down to -10 °C.
- Built-in 1.5 kW electric heater with safety thermostat.
- Includes over-pressure and over-temperature safety valve.
- Condensate tray and condensate pipe included for easy installation and guaranteed design.
- Anticorrosion magnesium anode.

WI-FI CONTROL OPTIONAL

The indoor unit can be controlled from any location via Smartphone or Tablet using the application **HITemp**.

Model		AIHD V4.1 100L	AIHD V4 150L	AIHD V4.1 200L	AIHD V4.1 300L	AIHD V4.1 300L SOLAR
Code		3IDA11505	3IDA03004	3IDA11506	3IDA11507	3IDA11508
Heating power	kW	0,9	0,9	1,5	1,5	1,5
Tank capacity	l	100	150	200	300	300
Electricity consumption	kW	0,25	0,25	0,41	0,41	0,41
Absorbed intensity	A	1,1	1,1	1,8	1,8	1,8
Power supply	V / nº / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Air discharge		Vertical	Vertical	Vertical	Vertical	Vertical
Compressor	Type	Rotary	Rotary	Rotary	Rotary	Rotary
Air volume	m³/h	250	250	350	350	350
Available fan pressure	Pa	20	20	40	40	40
Water output temperature	°C	60	60	60	60	60
Operating pressure (min/max)	Pa	1,3 / 3,2	1,3 / 3,2	1,3 / 3,2	1,3 / 3,2	1,3 / 3,2
Sound level	dB (A)	43	43	43	43	43
COPdhw EN 16147 warm climate		3,35	2,89	3,53	3,91	3,91
COPdhw EN 16147 medium climate		2,63	2,78	3,09	3,41	3,41
COPdhw EN16147 cold climate		2,47	2,25	2,56	2,75	2,75
Diameter hydraulic connections	Pul.	3/4	3/4	3/4	3/4	3/4
Energy class		A+	A+	A+	A+	A+
Seasonal energy efficiency	%	110,3	110,3	129,3	124,7	124,7
Load profile		M	L	L	L	XL
Operating range	°C	-5 ~+43	-5 ~ +43	-5 ~ +43	-5 ~ +43	-5 ~ +43
Backup resistor	kW	1,5	1,5	1,5	1,5	1,5
Solar coil	m²	-	-	-	-	1
Refrigerant	Type	R290	R290	R290	R290	R290
Refrigerant load	Kg	0,15	0,15	0,15	0,15	0,15
Dimensions height / diameter	mm	1120 / 560	1430 / 560	1600 / 640	1905 / 640	1905 / 640
Gross weight / Net weight	Kg	74 / 62	84 / 71	113 / 96	129 / 112	129 / 112

Accessories

3IDA90099	Wi-Fi Interface Heatank ACCD_WM21

Heatank Infinity

MODULAR SYSTEM FOR DHW PRODUCTION

Heatank Infinity is the new 315 litre modular heat pump designed for DHW production in commercial solutions. It allows you to install units in parallel, increasing the capacity, adapting to the needs and maintaining the "constant hotwater" service at all times. Thanks to this system, operating costs can be up to 75% lower than those of an electric water heater.

FEATURES

- Maximum power of 11 kW (6 kW with heat pump +4.8 kW of resistors).
- Modular parallel installation possible.
- Water output at 60 °C.
- Modbus Connectivity.
- Designed for outdoor (IPX4) and indoor installation.
- Automatic intelligent defrost function.
- Indicator of the volume of hot water available in the tank.
- Large air grille for improved heat exchange.
- Programming function, holiday mode and ECO mode.

WI-FI CONTROL OPTIONAL

The indoor unit can be controlled from any location via Smartphone or Tablet using the **HITemp** application.

APPLICATIONS

Ideal for professional applications with medium DHW demands: laundries, restaurants, hairdressing salons, bakeries, farms,washing tunnels, etc.

Model		HEATANK INFINITY 315L
Code		**3IDA03022**
Heating power	kW	6
Tank capacity	l	315
Electricity consumption	kW	1,46
Absorbed intensity	A	6,08
Power supply	V / nº / Hz	230 / 1 / 50
Air discharge		Frontal
Compressor	Type	Rotary
Air volume	m³/h	1000
Water output temperature	ºC	60
Operating pressure (min/max)	Pa	1,3 / 2,6
Sound level	dB (A)	52
COPdhw EN 16147 medium climate		2,56
Diameter hydraulic connections	Pul.	3/4
Energy class		A+
Seasonal energy efficiency	%	105,3
Load profile		XL
Operating range	ºC	-5 ~ +43
Backup resistor	kW	4,8
Refrigerant	Type	R134A
Refrigerant load	Kg	2,7
Dimensions height / diameter	mm	2250 / 640
Gross weight / Net weight	Kg	176 / 157

Accessories

3IDA90099	Wi-Fi Interface Heatank ACCD_WM21

Coral II

THE BEST HEATING AND COOLING FOR SWIMMING POOLS AND SPAS

The CORAL II heat and cold pumps with inverter technology obtain the free energy contained in the air and transfer it to swimming pools, minimising costs and enabling the pool to be used all year round.

They also guarantee water temperature stability and very low noise levels.

EASY TO INSTALL

A solution designed to be connected to the pool's own water treatment system, facilitating its installation.

CONTROL WITH STANDARD WI-FI CONNECTION

3.5-inch colour touch screen that can be used to set any type of temperature and usage configuration, as well as time programming and smart grid function for hybrid operation with photovoltaic solar energy.

FEATURES

- Efficiency of over 500%.
- Optimal titanium heat exchanger for chlorinated or salt water.
- Can be used both for heating and cooling. It works at ambient temperatures from -2 °C to 40 °C.
- Smart application via Wi-Fi or 5G DTU. Users can easily control the unit anywhere, anytime.
- Intelligent and automatic defrosting by means of cycle inversion and thanks to its optimised chassis.

WI-FI CONTROL

The air conditioning system can be controlled from any location via Smartphone or Tablet by means of the **InverterTemp* application.**