

THE POSSIBILITIES ARE INFINITE **FUJITSU**



***WATERSTAGE***<sup>™</sup>

FUTURE SOLUTION OF DOMESTIC HEATING

**Air to Water**

FUJITSU GENERAL LIMITED



## High Efficiency

### High COP

Air to water heat pumps work with much more efficiency and save more energy than a traditional heating system.

**COP (Coefficient of Performance)**

Fuel boiler **0.85**

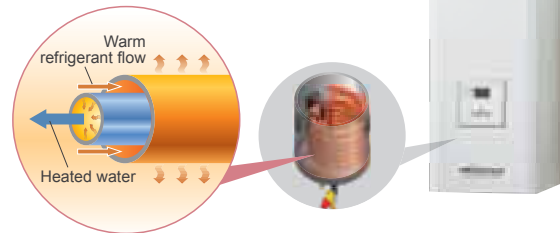
Electric heater **1.00**

**WATERSTAGE 4.00**

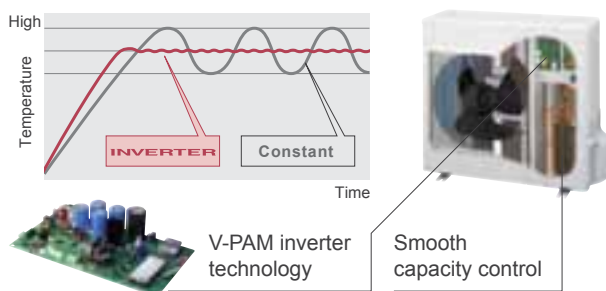
\*The data refer to 6kW type  
Condition : Outdoor Temp.  
7°C Heating Temp 35°C.

### Highly efficient water heat exchanger

Double-pipe water heat exchanger with built-in tank to reduce loss



### Technology **DC inverter** with R410A



### Low ambient temperature performance

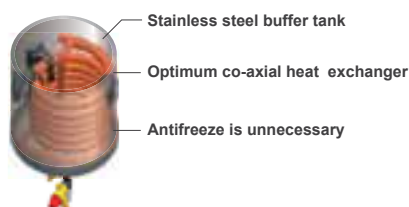
Achieves excellent heating performance even at an outdoor air temperature of -15°C.



## High Reliability

### High Clean and Durability

- Corrosion protected
- No fouling through heat exchanger construction
- Hot water is permanently available
- Heating until -15°C

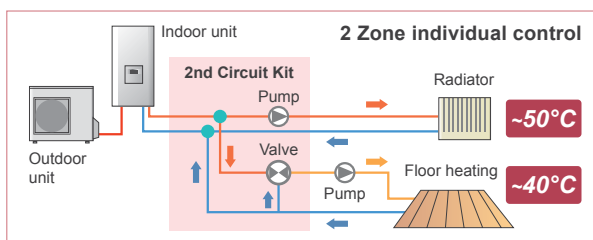


# Intelligent Control System

## Intelligent regulation

Intelligent operation system of WATERSTAGE™ system is provided to regulate the efficient and comfortable temperature according to your needs.

- Automatic temperature regulation in accordance with heating curve (depends on terminal and outdoor temperature).
- 2 Zone individual control (2 under floor heating zones or under floor heating + radiator zone, etc.)\*



\*Optional parts are required.

- Water temperature regulation can be combined with Room thermostat.\*
- Additional electric heater control for backup
- Domestic hot water management with hot water tank\*
- Boiler docking is possible\*
- Cooling operation is possible\*
- Swimming pool heating\*
- Anti legionella function



**Room Thermostat**  
UTW-C55XA

## Smart operation

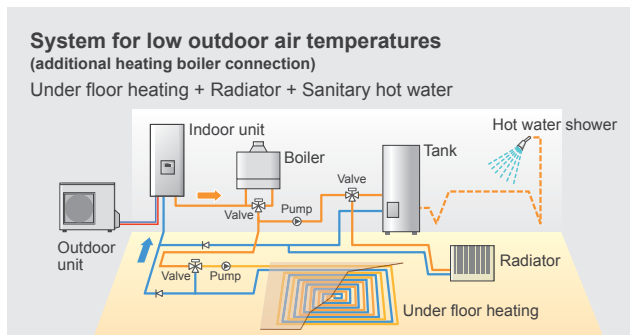
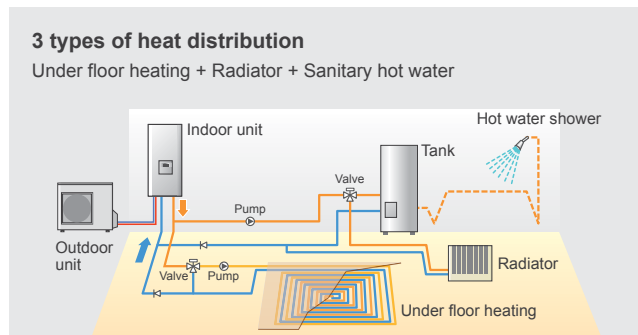
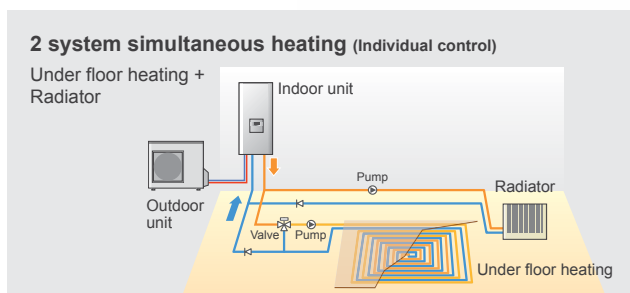
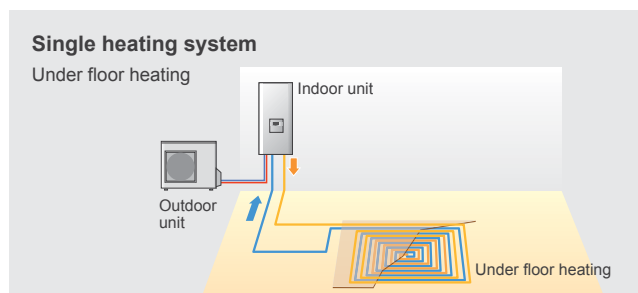
- Simple design system
- Hourly, Daily, Weekly programming operation
- Holiday operation mode
- Operation status display
- Error display / Error history



# Design Versatility

## Installation example

The water heating system can be freely constructed for a wide range of applications from floor heating to hot water showers.



## Lineup

Capacity range (kW)		5	6	8	10	13	16
Model name	Indoor unit	 WSYA050DA	 WSYA065DA	 WSYA080DA	 WSYA095DA	 WSYA128DA	 WSYA155DA
	Outdoor unit	 AOYA18LALL		 AOYA24LALL	 AOYA30LBTl	 AOYA45LBTl	 AOY54LJBYL

## Optional parts

### 2nd Circuit Kit



UTW-KZSXA

### Boiler Connection Kit



UTW-KBSXA

### Balancing Vessel



UTW-TEVXA

### DHW Kit



UTW-KDWXA

### DHW Tank 200L



UTW-T20XA

### DHW Tank 300L



UTW-T30XA

### High Flow Rate Circulating Pump Kit



UTW-PHFXA

### Swimming Pool Kit



UTW-KSPXA

### Heat exchanger for swimming pool



UTW-ESPXA

### Cooling Kit



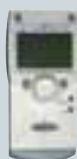
UTW-KCLXA

### Cooling Kit (High flow rate)



UTW-KCHXA

### Remote Control



UTW-C75XA

### Room Thermostat

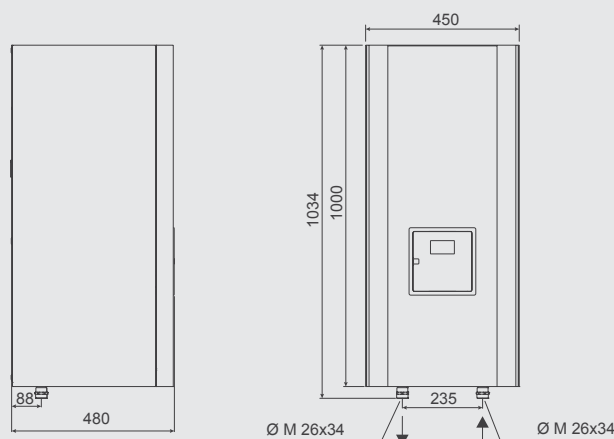


UTW-C55XA

## Dimensions

Models: WSYA050DA / WSYA065DA / WSYA080DA  
WSYA095DA / WSYA128DA / WSYA155DA

(Unit : mm)



## Specifications

Capacity range (kW)			5	6	8	10	13	16
+7°C/+35°C floor heating	Heating capacity	W	5000	6500	8000	9500	12800	15500
	Input power		1160	1630	1880	2370	3120	3880
	COP		4.30	4.00	4.25	4.00	4.10	4.00
-7°C/+35°C floor heating	Heating capacity	W	4800	5600	7000	8100	11000	13800
	Input power		1750	2240	2540	3520	3790	5300
	COP		2.75	2.50	2.76	2.30	2.90	2.60
+7°C/+45°C radiators	Heating capacity	W	4150	5400	6200	7900	9700	13300
	Input power		1150	1610	1680	2390	3130	4090
	COP		3.60	3.35	3.30	3.30	3.10	3.25
-7°C/+35°C radiators	Heating capacity	W	4050	5100	5900	7900	8300	11000
	Input power		1720	2320	2620	3590	4610	5370
	COP		2.35	2.20	2.25	2.20	1.80	2.05
Electric heater		W	2 x 1500	2 x 1500	2 x 1500	2 x 3000	2 x 3000	2 x 3000
Indoor unit			Model name					
Dimensions H x W x D			WSYA050DA	WSYA065DA	WSYA080DA	WSYA095DA	WSYA128DA	WSYA155DA
Net weight / fill weight			mm					
Hydraulic characteristics			kg					
Buffer tank capacity			l					
Expansion Vessel capacity			l					
Water flow rate (min./max.) 4°C < ΔT < 8°C			l/h					
Electrical connections			230V~, 50Hz					
Power source			A					
Circuit breaker			16					
Outdoor unit			Model name					
Power source			230V~, 50Hz					
Rated current			A					
Circuit breaker			A					
Dimensions H x W x D			mm					
Weight			kg					
Noise level *1			dBA					
Operation range			°C					
Refrigerant			R410A					
Cooling characteristics								
Connection pipe diameter	Liquid	mm	Ø6.35	Ø6.35	Ø9.52	Ø9.52	Ø9.52	Ø9.52
	Gas	mm	Ø12.7	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88
Refrigerant charge			g					
Min. / max. length			m					
Max. height difference			m					
Max. pipe length (chargeless)			m					
Additional charge amount per 1m			g					

\*1. Sound pressure level measured at distance of 5m from the device and at a height of 1.5m above ground in free field