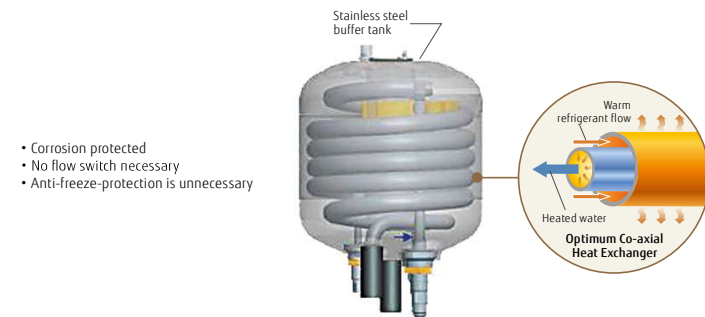


PRODUCT TECHNOLOGY & FEATURES

Twin Rotary Compressor



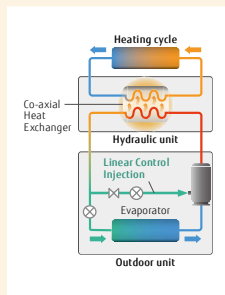
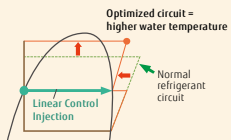
High Durability Co-axial Heat Exchanger



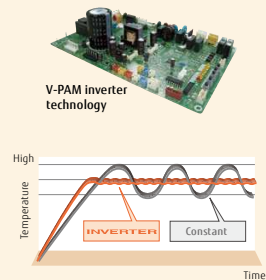
Product technology for Outdoor Unit

Twin Rotary Compressor with Linear Control Injection Port

It realizes the high condensing temperature without overheating discharge gas temperature by Linear Control Injection process during compression. Therefore, the condensing temperature rises up higher than normal circuit. A higher hot water temperature is realized by controlling the injection amount according to the usage state.



Accurate temperature control by DC inverter technology



Product technology for Hydraulic Indoor Unit

High Efficiency Class A Pump

Energy saving pump with constant volume or pressure adjustment function.



Easy Control Hydraulic Indoor Unit Controller 4 Heating mode

Automatic mode
Comfort/Reduce mode switching automatically according to time program

Reduce mode
Constant reduce temperature

Comfort mode
Constant comfort temperature

Protection mode
Stand-by mode with anti-frost protection



FEATURES

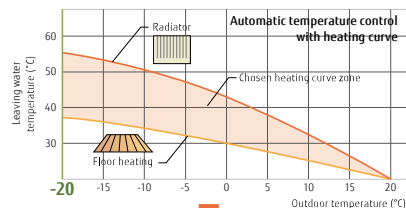
Comfort Control

A program adjusts the hot water temperature automatically in advance based on the outdoor temperature, so hot water temperature can be controlled so that setting temperature is maintained constantly.



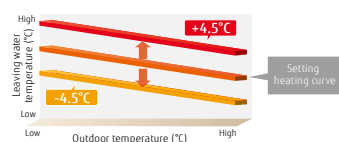
Automatic heating curve operation

Automatic heating curve control based on outdoor temp and setting room temperature.



Heating curve off-set: Adjust setting room temp.

This can be fine adjusted when too warm or too cold.



Quick recovery from defrost operation

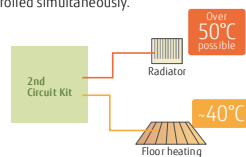
Maintaining the room temperature during defrost operation by boost start operation

Auto-changeover

If the cooling operation function is set, the system can automatically switch to cooling or heating, depending on the outdoor temperature to provide all-season comfortable air conditioning.

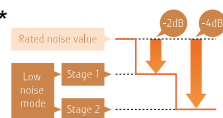
2 Zone Individual Control*

Even if hot water temperature is different in 2 heating systems, they can be controlled simultaneously.



2 Stage Low Noise Mode*

Outdoor unit can be switched to silent mode, depending on the installation environment. (Valid only for High Power)



Backup heater operation

Backup heater can operate at low outdoor temperature so that comfortable status can be maintained. The backup heater is controlled intelligently just as a security backup for very cold days/ nights and only activated when really necessary.

Energy Saving

Programmable timer

- The setting of timer operation can easily be adjusted.
- Changing the heating mode linked with time is possible.

Day-Weekly timer setting

- The day-weekly timer can be set up for up to 3 times per day.
- Allows separate settings for each day of the week.

Holiday timer setting

- The holiday timer can be set up for up to 8 periods.
- If you are absent for a long time in the winter, freezing of room can be prevented.

Peak Cut Function*

This function performs operation by setting a peak current value and reducing the power consumption.

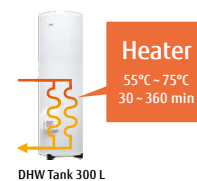
Mode	The ratio of suppressing the power consumption
1	100%
2	75%
3	50%
4	Almost 0%



Safety Function

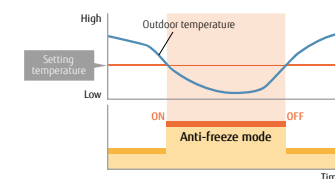
Anti-legionella function

The growth of Legionella in DHW tank is suppressed and safe and clean hot water is supplied at all times.



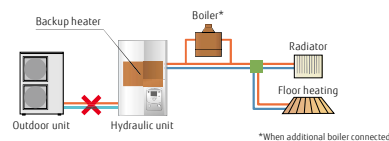
Anti-freeze function

Water circulation and compressor can be automatically performed at low outdoor temperature. Freezing of circulated water can be prevented.



Emergency operation

System can continuously supply hot water by built in back up heater or boiler, as emergency, even if an error is occurred.



*When additional boiler connected

Error/Maintenance alarm

Quick error handling service and maintenance are possible by this function.



- Error history saves 10 errors in memory
- Display telephone NO. of service company



*. Optional parts are required.



Type	S up to 16 kW		SD up to 16 kW		M up to 10 kW
	High Power series		Comfort series		Compact series
Hydraulic indoor unit					
Outdoor unit					
Capacity range:	11/14 kW 11/14/16 kW		5/6/8 kW 10 kW 11/14 kW 11/14/16 kW		5 kW 8/10 kW
System	<ul style="list-style-type: none"> • 60°C hot water supply even at -20°C outdoor temperature • Different heating system can be used. Like floor heating, radiators and others.* • Heating and DHW in one system.* • Additional electric heater for backup provided. • Up to two independent control circuits.* • Solar connection for hot water production.* • Cascade connection up to three systems.* • Cooling operation is possible.* 		<ul style="list-style-type: none"> • 55°C hot water supply even at -10°C outdoor temperature • Different heating system can be used. Like floor heating, radiators and others.* • Heating and DHW in one system.* • Additional electric heater for backup provided. • Up to two independent control circuits.* • Solar connection for hot water production.* • Cascade connection up to three systems.* • Cooling operation is possible.* 		<ul style="list-style-type: none"> • 60°C hot water supply even at -20°C outdoor temperature • Different heating system can be used. Like floor heating, radiators and others.* • Heating and DHW space saving in one hydraulic indoor unit. • Additional electric heater for backup provided. • Up to two independent control circuits.* • Solar connection for hot water production.* • Cascade connection up to three systems.* • Cooling operation is possible.*
Power source	10 230 V/50 Hz 30 400 V/50 Hz		10 230 V/50 Hz 30 400 V/50 Hz		10 230 V/50 Hz
Capacity range	5 kW				
	6 kW				
	8 kW				
	10 kW				
	11 kW				
	14 kW				
	16 kW				

*Optional parts are required.

PRODUCT LINEUP

S

SPLIT TYPE



High Power series

High Power models realizes high heating capacity and high efficiency by newly developed "Linear Control Injection Technology" and "Co-axial Heat Exchanger". These properties are the key for a reliable heating operation throughout the whole year- even in a strong winter.

FEATURES

- Comfort Control
 - Automatic heating curve operation
 - Auto-changeover
 - Cooling operation
 - Quick recovery from defrost operation
 - Backup heater operation
- Energy Saving
 - Programmable timer
- Safety Function
 - Anti-legionella function
 - Anti-freeze function
 - Emergency operation
 - Error/Maintenance alarm

Single Phase power supply

11 kW 14 kW



Hydraulic indoor unit
WSYG140DG6

Outdoor unit

WOYG112LCTA
WOYG140LCTA

3 Phase power supply

11 kW 14 kW 16 kW



Hydraulic indoor unit
WSYK160DG9

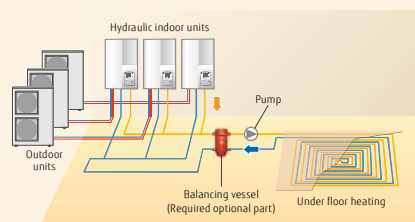
Outdoor unit

WOYK112LCTA
WOYK140LCTA
WOYK160LCTA



*.Check the validity of label at www.ehpa.org/QL

Cascade connection

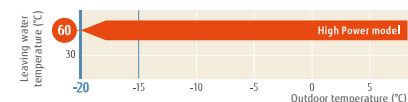


High Leaving Water Temperature



High leaving water temperature 60°C kept down to -20°C outdoor temperature without using backup heater.

* If you want to raise the hot water supply temperature, backup heater can be used for the auxiliary operation.

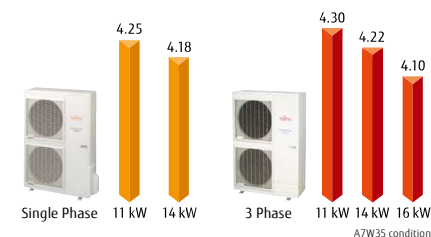


Extended Operation Range Down to -25°C

Improved operation range down to -25°C outdoor temperature

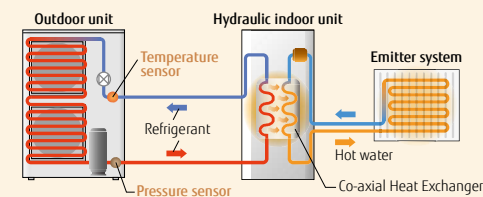
High COP

Energy efficiency is improved by the linear Control Injection Technology and the optimization of refrigerant cycle control. High Power model realizes high performance and high efficiency by adopting twin sensors and control technology corresponding to hot water heating.



Optimization of refrigerant cycle operation

High Power model realizes high performance and high efficiency by adopting twin sensors and control technology corresponding to hot water heating.



PRODUCT LINEUP

S

SPLIT TYPE



Comfort series

For Comfort series, optimized flow temperature control is realized by DC inverter technology.

FEATURES

- Comfort Control
 - Automatic heating curve operation
 - Auto-changeover
 - Cooling operation
 - Quick recovery from defrost operation
 - Backup heater operation

- Energy Saving
 - Programmable timer

- Safety Function
 - Anti-legionella function
 - Anti-freeze function
 - Emergency operation
 - Error/Maintenance alarm

5kW 6kW 8kW



Hydraulic indoor unit
WSYA050DG6
WSYA100DG6



Outdoor unit
WOYA060LFCA
WOYA080LFCA

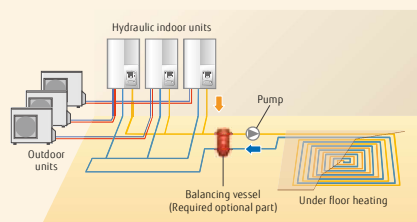
10kW



Hydraulic indoor unit
WSYA100DG6

Outdoor unit
WOYA100LFTA

Cascade connection (10 kW model)



Heated up Comfortably

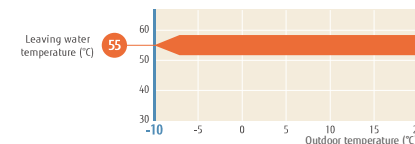
Comfort models realize high efficient operation by compact design suited for European environment. Hot water temperature can be controlled finely by All DC control and comfortable space heating and domestic hot water are provided.

High Leaving Water Temperature

No backup heater*

Maximum leaving water temperature is 55°C without backup heater. Hot water supply temperature can be maintained even at -10°C outdoor temperature.

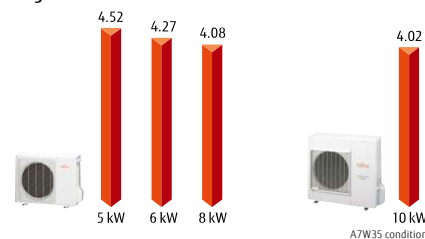
* If you want to raise the hot water supply temperature, backup heater can be used for the auxiliary operation.



Wide Operation Range

Improved operation range down to -20°C outdoor temperature

High COP



Outdoor unit technology



DC Fan Motor

High performance, high efficiency small DC fan motor mounted.



DC Twin Rotary Compressor

High efficient DC twin rotary compressor



DC Inverter

Smooth water temperature control realized by DC inverter control.

PRODUCT LINEUP

SD

SPLIT DHW INTEGRATED TYPE



High Power series

Split DHW integrated type realizes significant space saving because of the integrated DHW tank. Quick hot water supply is possible due to built-in high performance DHW tank. Heating and domestic hot water supply can be selected inside the intelligent controller. High Power models realize very efficient large heating capacities by newly developed "Linear Control Injection Technology" and "Co-axial heat Exchanger".

FEATURES

- Comfort Control
 - Automatic heating curve operation
 - Auto-changeover
 - Cooling operation
 - Quick recovery from defrost operation
 - Backup heater operation

- Energy Saving
 - Programmable timer

- Safety Function
 - Anti-legionella function
 - Anti-freeze function
 - Emergency operation
 - Error/Maintenance alarm

Single Phase power supply

11 kW 14 kW



Hydraulic indoor unit
WGYG140DG6

Outdoor unit

WOYG112LCTA
WOYG140LCTA

3 Phase power supply

11 kW 14 kW 16 kW

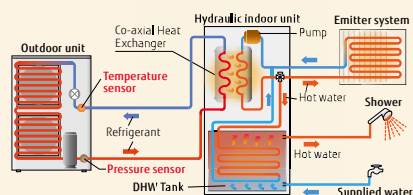


Hydraulic indoor unit
WGYK160DG9

Outdoor unit

WOYK112LCTA
WOYK140LCTA
WOYK160LCTA

Optimization of refrigerant cycle operation



High Power model realizes high performance and high efficiency by adopting twin sensors and control technology corresponding to hot water heating.

High Performance

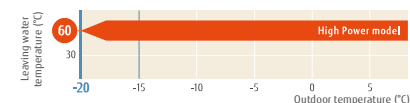
High Power models realize high leaving water temperature and high heating capacity even at low ambient temperature by newly developed "Linear Control Injection Technology". It is possible to provide high water temperature and warm rooms in cold regions.

High Leaving Water Temperature

No backup heater*

High leaving water temperature 60°C kept down to -20°C outdoor temperature without using backup heater.

* If you want to raise the hot water supply temperature, backup heater can be used for the auxiliary operation.

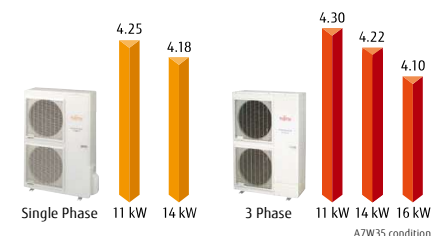


Extended Operation Range Down to -25°C

Improved operation range down to -25°C outdoor temperature

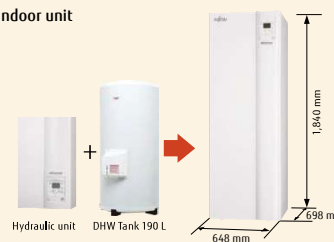
High COP

Energy efficiency is improved by the linear Control Injection Technology and the optimization of refrigerant cycle control. High Power model realizes high performance and high efficiency by adopting twin sensors and control technology corresponding to hot water heating.



For Split DHW Integrated type

Hydraulic indoor unit



Stylish space saving solution with
Built in High Performance
DHW Tank 190 L



- DHW Production with coil heat exchanger to optimise the DHW performance
- Quick temperature rise due to a big exchanger surface

PRODUCT LINEUP

SD

SPLIT DHW INTEGRATED TYPE



Comfort series

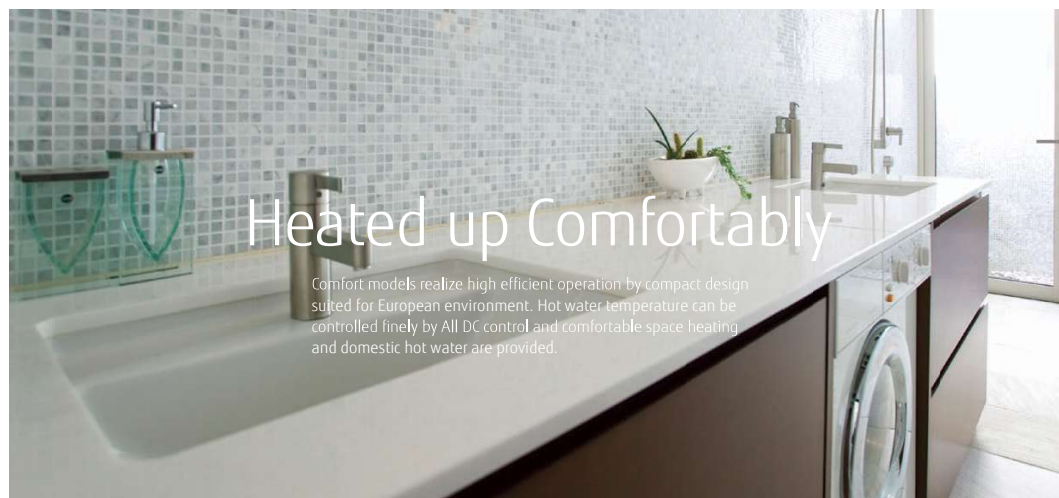
For Comfort series, optimized flow temperature control is realized by DC inverter technology.

FEATURES

- Comfort Control
 - Automatic heating curve operation
 - Auto-changeover
 - Cooling operation
 - Quick recovery from defrost operation
 - Backup heater operation

- Energy Saving
 - Programmable timer

- Safety Function
 - Anti-legionella function
 - Anti-freeze function
 - Emergency operation
 - Error/Maintenance alarm

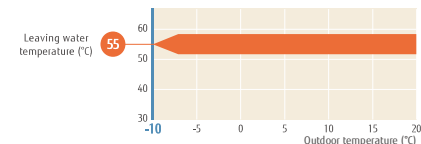


High Leaving Water Temperature

No backup heater*

Maximum leaving water temperature is 55°C without backup heater. Hot water supply temperature can be maintained even at -10°C outdoor temperature.

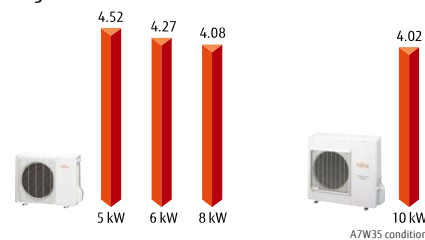
* If you want to raise the hot water supply temperature, backup heater can be used for the auxiliary operation.



Wide Operation Range

Improved operation range down to -20°C outdoor temperature

High COP



Outdoor unit technology



DC Fan Motor

High performance, high efficiency small DC fan motor mounted.



DC Twin Rotary Compressor

High efficient DC twin rotary compressor



DC Inverter

Smooth water temperature control realized by DC inverter control.

PRODUCT LINEUP

M

MONOBLOC TYPE



Compact series

Compact designed heat pump. Refrigerant pipe work is unnecessary. Only hydraulic connecting work is to be done. Circulation pump, safety valve and automatic vent valve are included. Easy installation and maintenance is feasible.

FEATURES

- Comfort Control**
- Automatic heating curve operation
 - Auto-changeover
 - Cooling operation
 - Quick recovery from defrost operation
 - Backup heater operation
- Energy Saving**
- Programmable timer
- Safety Function**
- Anti-legionella function
 - Anti-freeze function
 - Emergency operation
 - Error/Maintenance alarm

5 kW



Hydraulic indoor unit
WSYP100DG6



Outdoor unit
WPYA050LG

8 kW 10 kW



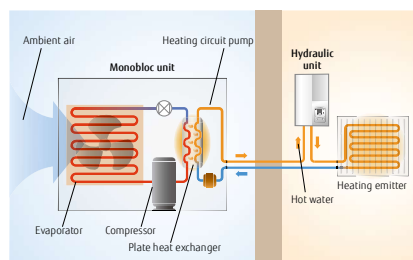
Hydraulic indoor unit
WSYP100DG6



Outdoor unit
WPYA080LG
WPYA100LG

Easy installation & maintenance!

All-in-One Model



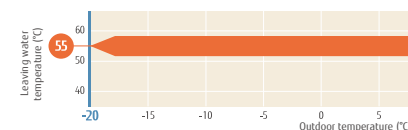
High Performance

High Leaving Water Temperature

No backup heater*

High leaving water temperature of 55°C keeps to -20°C outdoor temperature without additional heater.

* If you want to raise the hot water supply temperature, backup heater can be used for the auxiliary operation.



Wide Operation Range

Improved operation range down to -20°C outdoor temperature

High COP 4.50 (8 kW model)

High COP is realized by using a DC twin rotary compressor, inverter technology, and high efficient water heat exchanger.

Smart installation Hydraulic Indoor Unit



- The compact Indoor unit provides two electrical back up heater, each with 3kW capacity
- 12 L expansion vessel included
- No waste of space. DHW Kit installation inside the hydraulic indoor unit possible.
- New generation controller. Connection by Modbus protocol possible.
- Heat metering included

Outdoor unit technology

DC Fan Motor

High performance, high efficiency small DC fan motor mounted.



DC Twin Rotary Compressor

High efficient DC twin rotary compressor



DC Inverter

Smooth water temperature control realized by DC inverter control.



Weight
49 kg
5 kW model

Compact Design

Weight
72 kg
8 kW model



High Efficient Plate Heat Exchanger

Very compact size achieved by a thin high-efficiency heat exchanger



SPECIFICATIONS & DIMENSIONS Split type

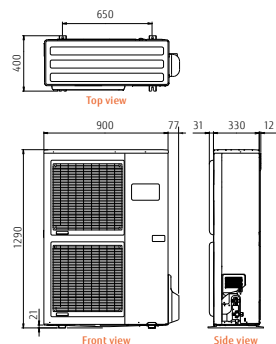
Specifications (High Power series)

Model Name	Hydraulic indoor unit	WSYG140DG6	WSYG140DG6	WSYG160DG9	WSYG160DG9	WSYG160DG9					
	Outdoor unit	WOYG112LCTA	WOYG140LCTA	WOYG112LCTA	WOYG140LCTA	WOYG160LCTA					
Capacity range		11	14	11	14	16					
7°C/35°C floor heating *1	Heating capacity	10.80	13.50	10.80	13.50	15.17					
	Input power	2.54	3.23	2.51	3.20	3.70					
	COP	4.25	4.18	4.30	4.22	4.10					
2°C/35°C floor heating *1	Heating capacity	10.77	12.00	10.77	13.00	13.50					
	Input power	3.44	3.87	3.40	4.15	4.34					
	COP	3.13	3.10	3.17	3.13	3.11					
-7°C/35°C floor heating *1	Heating capacity	10.38	11.54	10.38	12.20	13.50					
	Input power	4.32	5.08	4.28	5.13	5.40					
	COP	2.40	2.27	2.43	2.38	2.50					
Space heating characteristics*2											
Temperature application	°C	55	35	55	35	55	35				
Energy efficiency class		A+	A++	A+	A++	A+	A++				
Rated heat output(P _{nom})	kW	9	11	11	13	9	11	13	14		
Seasonal space heating energy efficiency(η _s)	%	109	151	113	148	112	154	117	150	117	149
Annual energy consumption	kWh	684.2	606.2	804.1	682.4	666.9	593.0	780.3	673.8	906.2	740.8
Sound power level	Hydraulic indoor unit	dB(A)	46	46	46	46	46	46	46		
	Outdoor unit	dB(A)	68	69	69	68	70	68	71		
Hydraulic unit Specification											
Power source		1 Ø 230 V 50 Hz				3 N 400 V 50 Hz					
Dimensions H×W×D	mm	800 × 450 × 457				800 × 450 × 457					
Weight (Net)	kg	42				42					
Water circulation	Min/Max	L/min	19.5/39.0	24.4/48.7	19.5/39.0	24.4/48.7	27.4/54.8				
Buffer tank capacity	L	16				16					
Expansion vessel capacity	L	8				8					
Leaving water temperature range	Max °C	60				60					
Water pipe connection diameter	Flow/Return	mm	Ø 25.4/Ø 25.4				Ø 25.4/Ø 25.4				
Backup heater	Capacity	kW	6.0 (3.0kW×2pcs.)				9.0 (3.0kW×3pcs.)				
Outdoor unit specification											
Power source		1 Ø 230 V 50 Hz				3 N 400 V 50 Hz					
Current	Max	A	22.0	25.0	8.5	9.5	10.5				
Dimensions H × W × D	mm	1,290 × 900 × 330				1,290 × 900 × 330					
Weight (Net)	kg	92				99					
Refrigerant (Global warming potential)		R410A (2.088)				R410A (2.088)					
Refrigerant amount	kg	2.50				2.50					
Additional refrigerant charge amount	g/m	50				50					
Connection pipe	Diameter	Liquid	Ø 9.52				Ø 9.52				
	Gts	mm	Ø 15.88				Ø 15.88				
	Length	Min/Max	5/20				5/20				
	Length(Pre-charge)	m	15				15				
Operation range	Height difference	Max	15				15				
	Heating	°C	-25 to 35				-25 to 35				

Dimensions (High Power series)

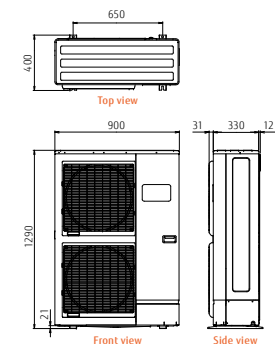
Outdoor Unit

WOYG112LCTA/WOYG140LCTA



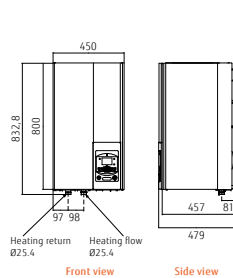
Outdoor Unit

WOYG112LCTA/WOYG140LCTA/WOYG160LCTA



Hydraulic Indoor Unit

WSYG140DG6/WSYG160DG9



Specifications (Comfort series)

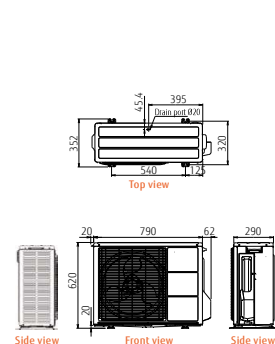
Model Name	Hydraulic indoor unit	WSYA050DG6	WSYA100DG6	WSYA100DG6	WSYA100DG6	WSYA100DG6			
	Outdoor unit	WOYA060LFTA	WOYA060LFTA	WOYA080LFTA	WOYA100LFTA	WOYA100LFTA			
Capacity range		5	6	8	10				
	Heating capacity	4.50	6.00	7.50	10.00				
	Input power	0.996	1.41	1.84	2.49				
	COP	4.52	4.27	4.08	4.02				
2°C/35°C floor heating *	Heating capacity	4.50	4.95	5.65	7.70				
	Input power	1.39	1.53	1.78	2.47				
	COP	3.24	3.24	3.17	3.12				
	Heating capacity	4.10	4.60	5.70	7.40				
-7°C/35°C floor heating *	Input power	1.47	1.74	2.23	2.97				
	COP	2.79	2.64	2.56	2.49				
	Space heating characteristics**								
Temperature application	°C	55	35	55	35	55	35		
Energy efficiency class		A+	A++	A+	A++	A+	A++		
Rated heat output(P _{nom})	kW	4	4	5	5	6	7	8	8
Seasonal space heating energy efficiency(η _s)	%	115	169	115	169	118	156	113	155
Annual energy consumption	kWh	3026	2160	3180	2505	3886	3375	5415	4415
Sound power level	Hydraulic indoor unit	dB(A)	46	46	46	46	46	46	46
	Outdoor unit	dB(A)	65	60	65	63	65	69	68
Hydraulic unit Specification									
Power source		1 Ø 230 V 50 Hz							
Dimensions H×W×D	mm	800 × 450 × 457							
Weight (Net)	kg	42							
Water circulation	Min/Max	L/min	8.1/16.2	10.8/21.7	13.5/27.1	18.1/36.1			
Buffer tank capacity	L	16							
Expansion vessel capacity	L	8							
Leaving water temperature range	Max	°C	55						
Water pipe connection diameter	Flow/Return	mm	Ø 25.4/Ø 25.4						
Backup heater	Capacity	kW	6.0 (3.0kW×2pcs.)						
Outdoor unit specification									
Power source		1 Ø 230 V 50 Hz							
Current	Max	A	11.0	12.5	17.5	18.5			
Dimensions H × W × D	mm	670 × 790 × 290				830 × 900 × 330			
Weight (Net)	kg	41				42			
Refrigerant (Global warming potential)		R410A (2.088)							
Refrigerant amount	kg	1.10				1.40			
Additional refrigerant charge amount	g/m	25				40			
Connection pipe	Diameter	Liquid	Ø 9.52						
	Gts	mm	Ø 12.70						
	Length	Min/Max	5/30						
	Length(Pre-charge)	m	15						
Operation range	Height difference	Max	20						
	Heating	°C	-20 to 35						

*1: The values of heating capacity/input power/COP are based on measurement of EN14511 standard.
 Usage environment, such as operation of the heating equipment, room temperature, and controller adjustments, may cause disparities between practically determined values and these values.
 *2: All information of E/P can be available for download from www.fujitsu-general.com/global/products/erp-ecodesign/index.html.

Dimensions (Comfort series)

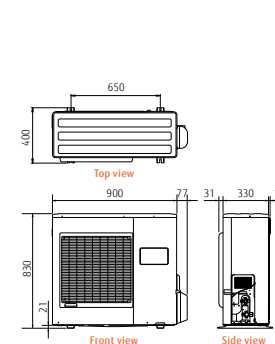
Outdoor Unit

WOYA060LFTA/WOYA080LFTA



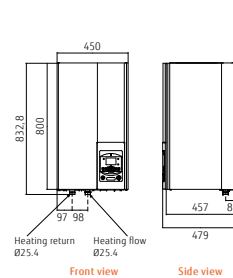
Outdoor Unit

WOYA100LFTA



Hydraulic Indoor Unit

WSYA050DG6/WSYA100DG6



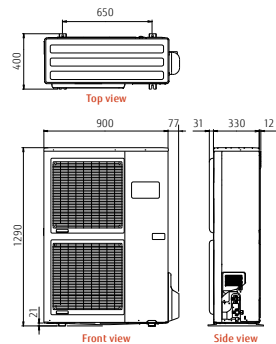
SPECIFICATIONS & DIMENSIONS Split DHW Integrated type

Specifications (High Power series)

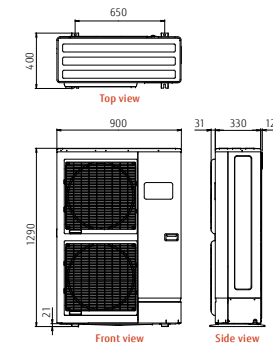
Model Name	Hydraulic indoor unit	WOYG140DG6	WOYG140LCTA	WOYG160DG6	WOYG160LCTA	WOYG180DG6	WOYG180LCTA	WOYG200DG6	WOYG200LCTA	WOYG220DG6	WOYG220LCTA
Capacity range		11	14	11	14	11	14	11	14	11	14
7°C/35°C floor heating *	Heating capacity	10.80	13.50	10.80	13.50	10.80	13.50	10.80	13.50	10.80	13.50
	Input power	2.54	3.23	2.51	3.20	2.51	3.20	2.51	3.20	2.51	3.20
	COP	4.25	4.18	4.30	4.22	4.30	4.22	4.30	4.22	4.30	4.22
2°C/35°C floor heating *	Heating capacity	10.77	12.00	10.77	13.00	10.77	13.00	10.77	13.00	10.77	13.00
	Input power	3.44	3.87	3.40	4.15	3.40	4.15	3.40	4.15	3.40	4.15
	COP	3.13	3.10	3.17	3.13	3.17	3.13	3.17	3.13	3.17	3.13
-7°C/35°C floor heating *	Heating capacity	10.38	11.54	10.38	12.20	10.38	12.20	10.38	12.20	10.38	12.20
	Input power	4.32	5.08	4.28	5.13	4.28	5.13	4.28	5.13	4.28	5.13
	COP	2.40	2.27	2.43	2.38	2.43	2.38	2.43	2.38	2.43	2.38
Space heating characteristics**	Temperature application	°C	55	35	55	35	55	35	55	35	55
Energy efficiency class			A+	A++	A+	A++	A+	A++	A+	A++	A+
Rated heat output(P _{nom})	kW	9	11	11	13	9	11	11	13	9	11
Seasonal space heating energy efficiency(η _{sp})	%	109	151	113	148	112	156	117	150	117	149
Annual energy consumption	kWh	684.2	606.2	804.1	682.4	666.9	593.0	780.3	673.8	906.2	740.8
Annual energy consumption	Hydraulic indoor unit	dB (A)	46		46		46		46		46
	Outdoor unit	dB (A)	68	69	69	68	70	68	71		71
Domestic hot water characteristics**	Load profile										
Energy efficiency class											
Energy efficiency(η _{dw})	%										
Annual electricity consumption	kWh										
Hydraulic indoor unit Specification											
Power source			1 Ø 230 V 50 Hz				3 N 400 V 50 Hz				
Dimensions H×W×D	mm				1,840×648×698						
Weight (Net)	kg				152						
Water circulation	Min/Max	L/min	19.5/39.0	24.4/28.7		19.5/39.0	24.4/48.7		21.4/54.8		
DHW capacity	L				190				190		
Hot water heater capacity	kW				1.5				1.5		
Expansion vessel capacity	L				12				12		
Leaving water temperature range	°C				60				55		
Water pipe connection diameter	mm				Ø 25.4/Ø 25.4				Ø 25.4/Ø 25.4		
Hot water pipe connection diameter	mm				Ø 19.05				Ø 19.05		
Backup heater	Capacity				6.0(3.0kW×2pcs.)				9.0(3.0kW×3pcs.)		
Outdoor unit specification											
Power source			1 Ø 230 V 50 Hz				3 N 400 V 50 Hz				
Current	Max	A	22.0	25.0	8.5	9.5	10.5				
Dimensions H×W×D	mm				1,290×900×330						
Weight (Net)	kg				92		99				
Refrigerant (Global warming potential)					R410A (2,088)						
Refrigerant amount	kg				2.50						
Additional refrigerant charge amount	g/m				50						
Connection pipe	Diameter	mm			Ø 9.52				Ø 15.88		
	Length	mm			5/20				15		
	Length (Pre-charge)	m			15				20		
	Height difference	m			15				20		
Operation range	Heating	°C			-25 to 35				-20 to 35		

Dimensions (High Power series)

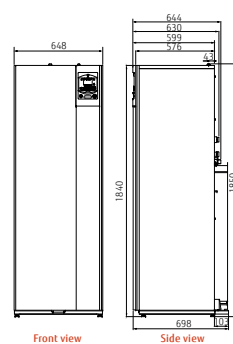
Outdoor Unit
WOYG112LCTA/WOYG140LCTA



Outdoor Unit
WOYG112LCTA/WOYG140LCTA/WOYG160LCTA



Hydraulic Indoor Unit
WOYG140DG6/WOYG160DG9



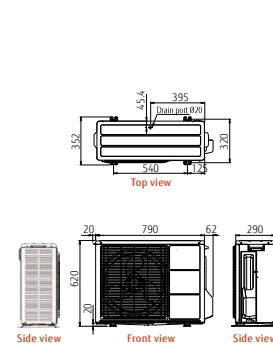
Specifications (Comfort series)

Model Name	Hydraulic indoor unit	WOYA050DG6	WOYA100DG6	WOYA100DG6	WOYA100DG6	WOYA100DG6
Capacity range		5	6	8	10	
7°C/35°C floor heating *	Heating capacity	4.50	6.00	7.50	10.00	
	Input power	0.996	1.41	1.84	2.49	
	COP	4.52	4.27	4.08	4.02	
2°C/35°C floor heating *	Heating capacity	4.50	6.95	5.65	7.70	
	Input power	1.39	1.53	1.78	2.47	
	COP	3.24	3.24	3.17	3.12	
-7°C/35°C floor heating *	Heating capacity	4.10	4.60	5.70	7.40	
	Input power	1.47	1.74	2.23	2.97	
	COP	2.79	2.64	2.56	2.49	
Space heating characteristics**	Temperature application	°C	55	35	55	35
Energy efficiency class			A+	A++	A+	A++
Rated heat output(P _{nom})	kW	4	6	5	7	8
Seasonal space heating energy efficiency(η _{sp})	%	115	169	115	169	118
Annual energy consumption	kWh	3026	2160	3180	2505	3886
Annual energy consumption	Hydraulic indoor unit	dB (A)	46		46	
	Outdoor unit	dB (A)	65	60	65	63
Domestic hot water characteristics**	Load profile					
Energy efficiency class						
Energy efficiency(η _{dw})	%					
Annual electricity consumption	kWh					
Hydraulic indoor unit Specification						
Power source			1 Ø 230 V 50 Hz			
Dimensions H×W×D	mm			1,840×648×698		
Weight (Net)	kg			152		
Water circulation	Min/Max	L/min	8.1/16.2	10.8/21.7	13.5/27.1	18.1/36.1
DHW capacity	L			190		190
Hot water heater capacity	kW			1.5		1.5
Expansion vessel capacity	L			12		12
Leaving water temperature range	°C			60		55
Water pipe connection diameter	mm			Ø 25.4/Ø 25.4		Ø 25.4/Ø 25.4
Hot water pipe connection diameter	mm			Ø 19.05		Ø 19.05
Backup heater	Capacity			6.0(3.0kW×2pcs.)		
Outdoor unit specification						
Power source			1 Ø 230 V 50 Hz			
Current	Max	A	11.0	12.5	17.5	18.5
Dimensions H×W×D	mm			620×790×290		830×900×330
Weight (Net)	kg			41		60
Refrigerant (Global warming potential)				R410A (2,088)		
Refrigerant amount	kg			1.10		1.40
Additional refrigerant charge amount	g/m			25		40
Connection pipe	Diameter	mm		Ø 12.70		Ø 15.88
	Length	mm		5/30		15
	Length (Pre-charge)	m		15		20
	Height difference	m		20		20
Operation range	Heating	°C				-20 to 35

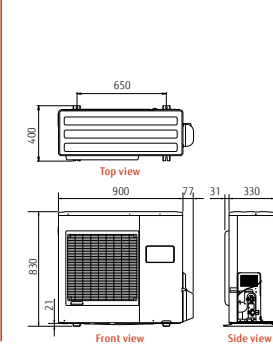
*1:The values of heating capacity/input power/COP are based on measurement of EN14511 standard.
Usage environment, such as operation of the heating equipment, room temperature, and controller adjustments, may cause disparities between practically determined values and these values.
*2:All information of EIP can be available for download from www.fujitsu-general.com/global/products/erp-ecodesign/index.html.

Dimensions (Comfort series)

Outdoor Unit
WOYA060LCTA/WOYA080LCTA



Outdoor Unit
WOYA100LCTA



Hydraulic Indoor Unit
WOYG140DG6/WOYG160DG9

