

WATERSTAGE™

Super high power series

Hydraulic indoor unit

Split type

[Single Phase]

WSYG160DJ6

[3 Phase]

WSYK170DJ9

Split DHW integrated type

[Single Phase]

WGYG160DJ6

[3 Phase]

WGYK170DJ9

Outdoor unit

Split type / Split DHW integrated type

[Single Phase]

WOYG160LJL

[3 Phase]

WOYK150LJL / WOYK170LJL



Hydraulic indoor unit
Single Phase 3 Phase
WSYG160DJ6 WSYK170DJ9



Hydraulic indoor unit
Single Phase 3 Phase
WGYG160DJ6 WGYK170DJ9



Outdoor unit
Single Phase 3 Phase
WOYG160LJL WOYK150 / 170LJL



High leaving water temperature

High leaving water temperature of 60°C is kept even when outdoor temperature is down to -20°C without using backup heaters.

Maximum leaving water temperature is 55°C without backup heater. Hot water supply temperature can be maintained even at -22°C outdoor temperature.



Super high power series



High COP

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

Low water temperature

Energy efficiency class

A+++



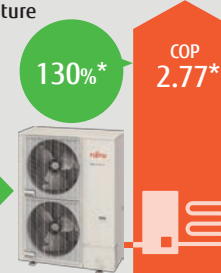
Super High power series (15 kW class)

Condition: Outdoor Temp. 7°C
Heating Temp. 35°C.

High water temperature

Energy efficiency class

A+++



Super High power series (15 kW class)

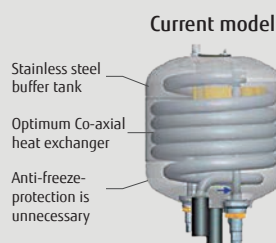
Condition: Outdoor Temp. 7°C
Heating Temp. 55°C.

* : Split type

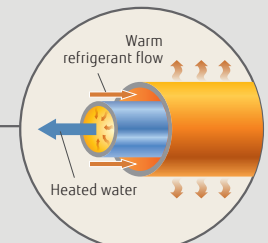


New Stainless steel buffer tank

Heat exchanger amount is 25% higher than previous model. Energy saving performance is improved.



New model



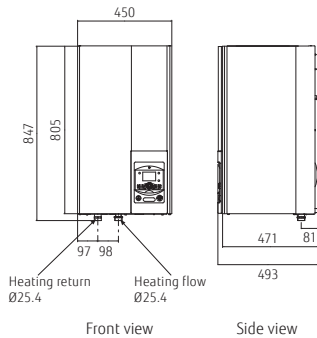
Dimensions

Hydraulic indoor unit

Split type

[Single Phase] WSYG160DJ6

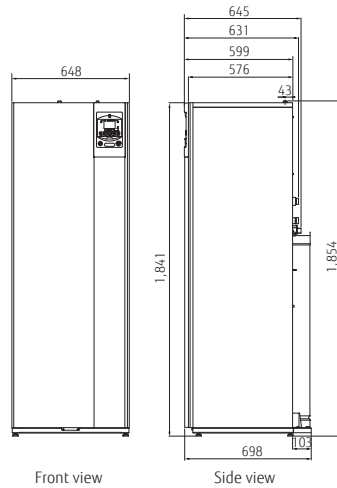
[3 Phase] WSYK170DJ9



Split DHW integrated type

[Single Phase] WGYG160DJ6

[3 Phase] WGYK170DJ9

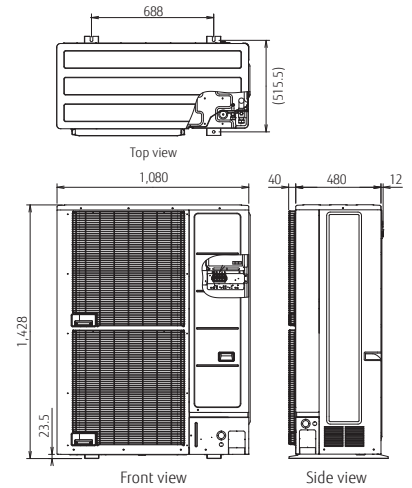


Outdoor unit

Split type / Split DHW integrated type

[Single Phase] WOYG160LJL

[3 Phase] WOYK150 / 170LJL



(Unit : mm)

Specifications

Model Name	Hydraulic indoor unit		Split type				Split DHW integrated type							
	Outdoor unit		WSYG160DJ6	WSYK170DJ9	WSYK170DJ9	WGYG160DJ6	WGYK170DJ9	WGYK170DJ9	WOYG160LJL	WOYK150LJL	WOYK170LJL			
Capacity range			16	15	17	16	15	17						
7°C/35°C floor heating *1	Heating capacity	kW	16.00	15.00	17.00	16.00	15.00	17.00						
			Input power	3.86	3.46	4.10	3.86	3.46	4.10					
				COP	4.15	4.33	4.15	4.15	4.33	4.15				
2°C/35°C floor heating *1	Heating capacity	kW	13.30	13.20	13.50	13.30	13.20	13.50						
			Input power	4.25	4.06	4.27	4.25	4.06	4.27					
				COP	3.13	3.25	3.16	3.13	3.25	3.16				
-7°C/35°C floor heating *1	Heating capacity	kW	14.50	13.20	15.00	14.50	13.20	15.00						
			Input power	5.27	4.55	5.32	5.27	4.55	5.32					
				COP	2.75	2.90	2.82	2.75	2.90	2.82				
Space heating characteristics*2														
Temperature application	°C		55	35	55	35	55	35	55	35	55	35		
Energy efficiency class			A++	A++	A++	A++	A++	A++	A++	A++	A++	A++		
Rated heat output (P _{rated})	kW		14	16	16	17	17	18	14	16	16	17		
Seasonal space heating energy efficiency (η _s)	%		125	163	130	164	130	161	125	163	130	164		
Annual energy consumption	kWh		8,757	8,014	9,915	8,606	10,232	9,059	8,757	8,014	9,915	8,606		
Sound power level	Hydraulic indoor unit		dB(A)											
	Outdoor unit		45	45	45	45	45	45	45	45	45	45	45	
Domestic hot water characteristics*2														
Load profile			-						L					
Energy efficiency class			-						A					
Energy efficiency (η _{wh})	%		-						109					
Annual electricity consumption	kWh		-						941					
Hydraulic indoor unit Specification														
Power source			Single-phase, 230 V 50 Hz				3-phase, 400 V 50 Hz				Single-phase, 230 V 50 Hz			
Dimensions H×W×D	mm		805 × 450 × 471				805 × 450 × 471				1,841 × 648 × 698			
Weight (Net)	kg		52.5				52.5				166			
Water circulation	Min/Max		L/min				L/min				L/min			
DHW capacity	L		-				-				190			
Hot water heater capacity	kW		-				-				1.5			
Buffer tank capacity	L		25				25				-			
Expansion vessel capacity	L		10				10				12			
Leaving water temperature range	Max		°C				°C				°C			
Water pipe connection diameter	Flow/Return		mm				mm				mm			
Hot water pipe connection diameter			mm				mm				mm			
Backup heater	Capacity		kW				kW				kW			
Outdoor unit specification														
Power source			Single-phase, 230 V 50 Hz				3-phase, 400 V 50 Hz				Single-phase, 230 V 50 Hz			
Current	Max		A				A				A			
Dimensions H × W × D	mm		1,428 × 1,080 × 480				1,428 × 1,080 × 480				1,428 × 1,080 × 480			
Weight (Net)	kg		137				138				137			
Refrigerant	Type (Global Warming Potential)		R410A (2,088)											
	Charge		kg				kg				kg			
Additional refrigerant charge amount			g/m				g/m				g/m			
Connection pipe	Diameter	Liquid	mm				mm				mm			
		Gas	mm				mm				mm			
	Length	Min/Max	m				m				m			
		Length (Pre-charge)	m				m				m			
	Height difference	Max	m				m				m			
Operation range	Heating		°C				°C				°C			

*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 ErP can be available for downloaded from <https://www.fujitsu-general.com/global/support/downloads/research/index.html>

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