

Split DHW Integrated Type

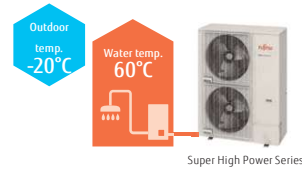
Super High Power Series



High water flow temperature

The temperature of water flow can be maintained at 60°C without using a backup heater, even when the outdoor temperature drops to -20°C. The system can supply 55°C water without a backup heater at an outdoor temperature of -22°C.

* If you want to raise the temperature of the water supply to above the maximum temperature, use a backup heater to supplement the primary heater.



High COP

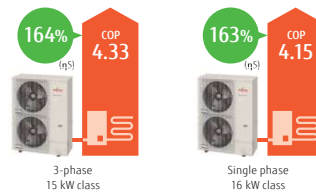
Heat pumps of ATW Systems work more efficiently and consume less energy than conventional heating systems.

Energy efficiency class



Seasonal space heating energy efficiency (η_s)

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



Operating range extended to -25°C

Operating range improved down to -25°C outdoor temperature

Stylish space saving solution with

Built-in High-performance DHW tank 190 L

- Coil heat exchanger optimizes DHW supply performance.
- Temperature rises quickly due to the large surface of the exchanger.

Hydraulic unit:
WGYG160DJ6 / [3-phase] WGYK170DJ9
Outdoor unit:
WOYG160LJL
[3-phase] WOYK150LJL / WOYK170LJL



Hydraulic unit
Single phase/
3-phase



Outdoor unit
Single phase 16 kW
3-phase 15/17 kW

Specifications

Model Name	Hydraulic unit Outdoor unit		WGYG160DJ6 WOYK160LJL	WGYK170DJ9 WOYK150LJL	WOYK170DJ9 WOYK170LJL			
Capacity range			16	15	17			
7°C/35°C floor heating*1	Heating capacity Input power COP	kW	16.00 3.86 4.15	15.00 3.46 4.33	17.00 4.10 4.15			
			2°C/35°C floor heating*1	Heating capacity Input power COP	kW	13.30 4.25 3.13	13.20 4.06 3.25	13.50 4.27 3.16
						-7°C/35°C floor heating*1	Heating capacity Input power COP	kW
-7°C/55°C Radiator*1	Heating capacity Input power COP	kW						

Space heating characteristics**	°C	55	35	55	35	55	35
Temperature application	°C	A++	A++	A++	A++	A++	A++
Energy efficiency class		A++	A++	A++	A++	A++	A++
Rated heat output (P _{rated})	kW	14	16	16	17	17	18
Seasonal space heating energy efficiency (η _s)	%	125	163	130	164	130	161
Annual energy consumption	kWh	8,757	8,014	9,915	8,606	10,232	9,059
Sound power level	Hydraulic unit	45	45	45	45	45	45
	Outdoor unit	67	66	67	66	67	68

Domestic hot water characteristics**					
Load profile				L	
Energy efficiency class				A	
Energy efficiency (η _{wh})	%			109	
Annual electricity consumption	kWh			941	

Hydraulic unit specifications		Single phase, ~230 V, 50 Hz	3-phase, ~400 V, 50 Hz
Power source		Single phase, ~230 V, 50 Hz	3-phase, ~400 V, 50 Hz
Dimensions H × W × D	mm		1,841 × 648 × 698
Weight (Net)	kg		166
Water circulation	Min./Max. L/min	26.4/57.8	24.0/54.2
DHW capacity	L		190
Electrical heater capacity	Heating	6.0 (3.0 kW × 2 pcs.)	
	DHW		1.5
Buffer tank capacity	L		22
Expansion vessel capacity	L		12
Water flow temperature range	Max. °C		60
Water pipe connection diameter	Flow/Return		Ø25.4/Ø25.4
			Ø19.05

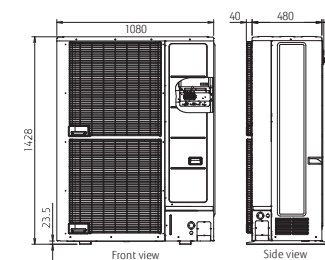
Outdoor unit specifications		Single phase, ~230 V, 50 Hz	3-phase, ~400 V, 50 Hz
Power source		Single phase, ~230 V, 50 Hz	3-phase, ~400 V, 50 Hz
Current	Max. A	28.0	14.0
Dimensions H × W × D	mm	1,428 × 1,080 × 480	1,428 × 1,080 × 480
Weight (Net)	kg	137	138
Refrigerant	Type (Global Warming Potential)	R410A (2,088)	
	Charge	kg	3.80
Additional refrigerant charge		g/m	50
	Diameter	Liquid	Ø9.52
Connection pipe	Gas	mm	Ø15.88
	Length	Min./Max.	5/30
	Length (Pre-charge)	m	15
	Height difference	Max. m	25/15 (Outdoor unit: Upper/Lower)
Operating range	Heating	°C	-25 to 35

*1: Heating capacity, input power, and COP are measured using the EN14511 standard. Actual usage environments, such as the operating modes of the heating equipment, room temperature, and controller settings, may cause differences in values between those listed in the catalog and the actual performance characteristics.
*2: Information about ErP can be downloaded from our website at www.fujitsu-general.com/global/support/downloads/search/

Dimensions

(Unit: mm)

Outdoor unit:
Single phase: WGYG160LJL
3-phase: WOYK150LJL/WOYK170LJL



Hydraulic unit:
Single phase: WGYG160DJ6
3-phase: WGYK170DJ9

