

# Split DHW Integrated Type

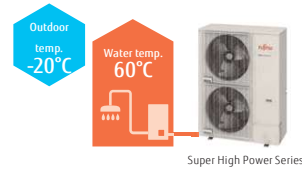
Super High Power Series



## 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

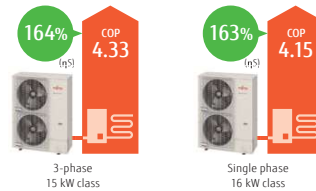
Heat pumps of WATERSTAGE™ ATW Systems work more efficiently and consume less energy than conventional heating systems.

Energy efficiency class



### Seasonal space heating energy efficiency (η<sub>s</sub>)

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	WGYG160DJ6	WGYK170DJ9	WGYK170DJ9
Capacity range	Outdoor unit	WOYG160LJL	WOYK150LJL	WOYK170LJL
7°C/35°C floor heating *1	Heating capacity	16.00	15.00	17.00
	Input power	3.86	3.46	4.10
	COP	4.15	4.33	4.15
2°C/35°C floor heating *1	Heating capacity	13.30	13.20	13.50
	Input power	4.25	4.06	4.27
	COP	3.13	3.25	3.16
-7°C/35°C floor heating *1	Heating capacity	14.50	13.20	15.00
	Input power	5.27	4.55	5.32
	COP	2.75	2.90	2.82

Space heating characteristics*2	°C	55	35	55	35	55	35
Temperature application							
Energy efficiency class		A++	A++	A++	A++	A++	A++
Rated heat output (P <sub>rated</sub> )	kW	14	16	17	17	18	18
Seasonal space heating energy efficiency (η <sub>s</sub> )	%	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\*2

Load profile			L
Energy efficiency class			A
Energy efficiency [η <sub>wh</sub> ]	%		109
Annual electricity consumption	kWh		941
<b>Hydraulic unit specifications</b>			
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
Hot water heater capacity	kW		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 mm		Ø25.4/Ø25.4
Hot water pipe connection diameter	mm		Ø19.05
Backup heater	Capacity kW	6.0 (3.0 kW × 2 pcs.)	9.0 (3.0 kW × 3 pcs.)

Outdoor unit specifications		Single phase, ~230 V, 50 Hz	3-phase, ~400 V, 50 Hz
Power source			
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	139
Refrigerant	Type (Global Warming Potential)	R410A (2,088)	R410A (2,088)
	Charge kg	3.80	3.80
Additional refrigerant charge	Charge q/m	50	50
Connection pipe	Diameter	Liquid mm	Ø9.52
		Gas mm	Ø15.88
	Length	Min./Max. m	5/30
	Length (Pre-charge)	m	15
Height difference	Max. m	25/15 (Outdoor unit: Upper/Lower)	25/15 (Outdoor unit: Upper/Lower)
	Heating °C	-25 to 35	-25 to 35

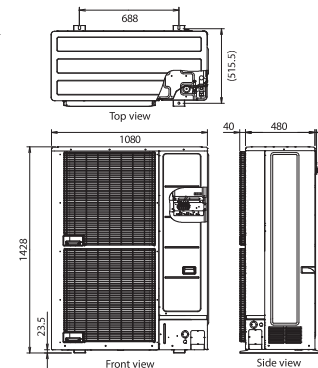
\*1: Heating capacity, input power, and COP are measured using the EN14511 standard. Actual usage environments, such as the operating modes of the heating equipment, room temperature, and controller settings, may cause differences in values between those listed in the catalog and the actual performance characteristics.

\*2: Information about ErP can be downloaded from our website at [www.fujitsu-general.com/global/support/downloads/search/](http://www.fujitsu-general.com/global/support/downloads/search/)

### Dimensions

(Unit: mm)

**Outdoor unit:**  
Single phase: WOYG160LJL  
3-phase: WOYK150LJL/WOYK170LJL



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

