

Split Type

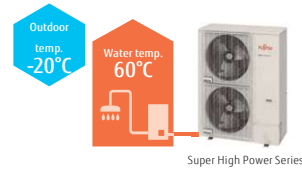
Super High Power Series



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

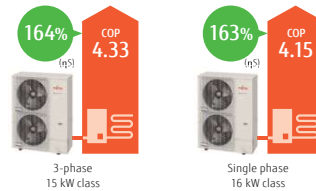
Heat pumps of ATW Systems work more efficiently and consume less energy than conventional heating systems.

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



Hydraulic unit:
WSYG160DJ6 / [3-phase] WSYK170DJ9
 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	WSYG160DJ6	WSYK170DJ9	WSYK170DJ9
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
-7°C/55°C Radiator *1	Heating capacity	10.90	13.20	14.20
	Input power	5.89	6.77	7.40
	COP	1.85	1.95	1.92

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	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	66	45	45
	Outdoor unit	67	66	67	66	67	68

Hydraulic unit specifications

Power source		Single phase, ~230 V, 50 Hz	3-phase, ~400 V, 50 Hz
Dimensions H × W × D	mm	805 × 450 × 471	805 × 450 × 471
Weight (Net)	kg	52.5	52.5
Water circulation	Min./Max. L/min	26.4/57.8	24.0/54.2
Buffer tank capacity	L	22	22
Expansion vessel capacity	L	10	10
Water flow temperature range	Max. °C	60	60
Water pipe connection diameter	Flow/Return mm	Ø25.4/Ø25.4	Ø25.4/Ø25.4
Backup heater	Capacity kW	6.0 (3.0 kW × 2 pcs.)	9.0 (3.0 kW × 3 pcs.)

Outdoor unit specifications

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	3.80	3.80
Additional refrigerant charge	g/m	50	50
	mm	Ø9.52	Ø9.52
Connection pipe	Diameter	Ø15.88	Ø15.88
	Length (Pre-charge)	5/30	5/30
	Height difference	15	15
Operating range	Heating °C	-25 to 35	-25 to 35
		25/15 (Outdoor unit: Upper/Lower)	-25 to 35

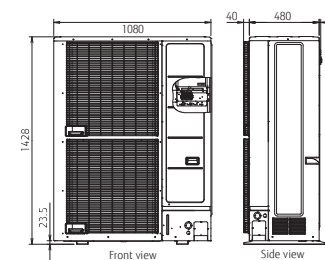
*1: Heating capacity, input power, and COP are measured using the EN14511 standard. Actual usage environments, such as the operating modes of the heating equipment, room temperature, and controller settings, may cause differences in values between those listed in the catalog and the actual performance 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: WOYG160LJL
 3-phase: WOYK150LJL / WOYK170LJL



Hydraulic unit:
 Single phase: WSYG160DJ6
 3-phase: WSYK170DJ9

