

## PRODUCT LINEUP

# S

SPLIT TYPE



## Super High Power series

### High Performance

- High leaving water temperature
- High heating capacity
- High COP
- Wide operation range

### Comfort Control

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

### Flexible Installation

- Max.Piping Length: 30m
- Max.Height Difference: 25m(O.U. up)

### Energy Saving

- Programmable timer

### Safety Function

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

### Single Phase power supply

16 kW



Outdoor unit  
WOYG160LJL



Hydraulic indoor unit  
WSYG160DJ6

### 3 Phase power supply

15 kW

17 kW



Outdoor unit  
WOYK150LJL  
WOYK170LJL



Hydraulic indoor unit  
WGYK170DJ9



## PRODUCT LINEUP

# SD

SPLIT DHW INTEGRATED TYPE



## Super High Power series

### High Performance

- High leaving water temperature
- High heating capacity
- High COP
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Single Phase power supply

16 kW



Hydraulic indoor unit  
WSYG160DJ6

Outdoor unit  
WOYG160LJL

3 Phase power supply

15 kW

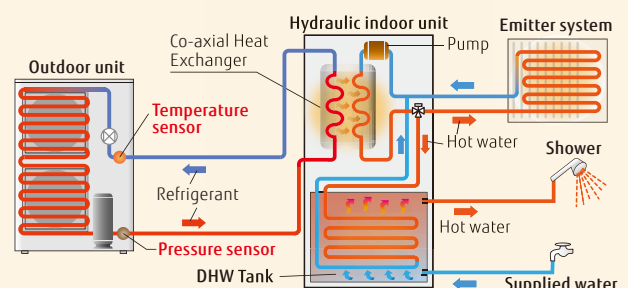
17 kW



Hydraulic indoor unit  
WGYK170DJ9

Outdoor unit  
WOYK150LJL  
WOYK170LJL

### Optimization of refrigerant cycle operation



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

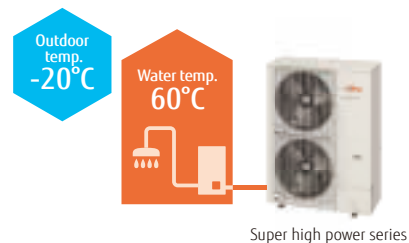
# High Performance

Super High Power models realize high leaving water temperature and high heating capacity even at low ambient temperature by newly developed "Linear Control Injection Technology". The energy saving performance is improved because of the heat exchange with 25% more capacity than before.

## 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. And it's possible to supply 55°C at -22°C outdoor temperature without backup heater.

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



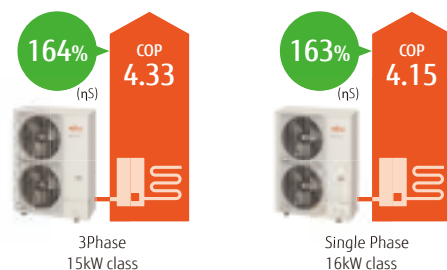
## High COP

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

Energy efficiency class



## Seasonal space heating energy efficiency ( $\eta_s$ )



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

## Extended Operation Range Down to -25°C

Improved operation range down to -25°C outdoor temperature

### 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

# SPECIFICATIONS & DIMENSIONS

## for Split Type Super High Power Series

### Specifications

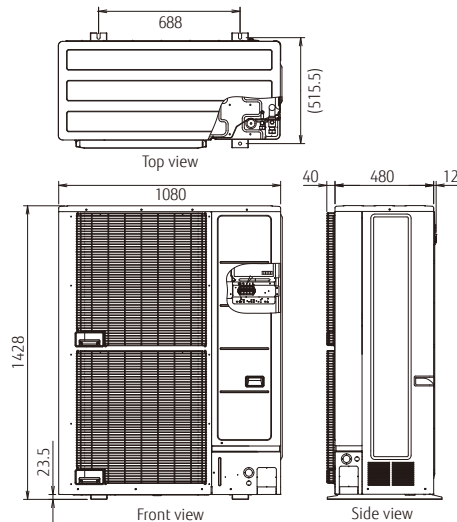
Model Name		Hydraulic indoor unit	WSYG160DJ6		WSYK170DJ9		WSYK170DJ9	
		Outdoor unit	WOYG160LJL		WOYK150LJL		WOYK170LJL	
Capacity range			16		15		17	
7°C/35°C floor heating * <sup>1</sup>	Heating capacity	kW	16.00		15.00		17.00	
	Input power		3.86		3.46		4.10	
	COP		4.15		4.33		4.15	
2°C/35°C floor heating * <sup>1</sup>	Heating capacity	kW	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* <sup>1</sup>	Heating capacity	kW	14.50		13.20		15.00	
	Input power		5.27		4.55		5.32	
	COP		2.75		2.90		2.82	
Space heating characteristics* <sup>2</sup>								
Temperature application		°C	55	35	55	35	55	35
Energy efficiency class			A++	A++	A++	A++	A++	A++
Rated heat output(P <sub>rated</sub> )		kW	14	16	16	17	17	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 indoor unit	dB(A)	45	45	45	45	45	45
	Outdoor unit		67	66	67	66	67	68
Hydraulic indoor unit Specification								
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		27.3/61.4	
Buffer tank capacity		L	25		25			
Expansion vessel capacity		L	10		10			
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			Single-phase, 230 V 50 Hz		3-phase, 400 V 50 Hz			
Current	Max	A	28.0		14.0		14.0	
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		138	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)					
	Charge	kg	3.80		3.80		3.80	
Additional refrigerant charge amount		g/m	50		50		50	
Connection pipe	Diameter	Liquid	mm	Ø 9.52	Ø 9.52		Ø 9.52	
		Gas	mm	Ø 15.88	Ø 15.88		Ø 15.88	
	Length	Min/Max	m	5/30	5/30		5/30	
	Length(Pre-charge)		m	15	15		15	
	Height difference	Max	m	25/15 (Outdoor unit:Upper/Lower)				
Operation range		Heating	°C	-25 to 35	-25 to 35		-25 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 ErP can be available for downloaded from <https://www.fujitsu-general.com/global/support/downloads/search/index.html>

### Dimensions

**Outdoor Unit:**  
Single Phase: WOYG160LJL  
3 Phase: WOYK150LJL/WOYK170LJL



**Hydraulic Indoor Unit:**  
Single Phase : WSYG160DJ6  
3 Phase: WSYK170DJ9

