

# Split DHW Integrated Type

Comfort Series



## High water flow temperature

The temperature of water flow is up to 55°C without a backup heater. Hot water supply temperature can be maintained even at -10°C outdoor temperature.

\* 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.

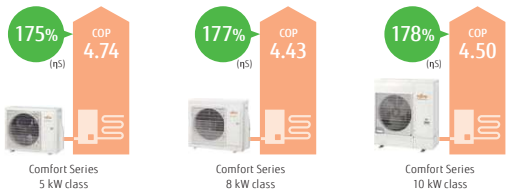
Energy efficiency class



\*Temperature application: Heating temp. 35°C

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

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



## Outdoor unit technology



**DC Fan Motor**  
High-performance, high-efficiency small DC fan motor mounted

**DC Twin-Rotary Compressor**  
High-efficiency DC twin-rotary compressor

**DC Inverter**  
DC inverter provides smooth water temperature control.

**Hydraulic unit:**  
WGYA050ML3/WGYA080ML3/  
WGYA100ML3  
**Outdoor unit:**  
WOYA060KLT/WOYA080KLT/  
WOYA100KLT



## Specifications

Model Name	Hydraulic unit	Outdoor unit	WGYA050ML3 WOYA060KLT	WGYA080ML3 WOYA080KLT	WGYA080ML3 WOYA080KLT	WGYA100ML3 WOYA100KLT		
<b>Capacity range</b>			5	6	8	10		
7°C/35°C floor heating *1	Heating capacity	kW	4.50	5.50	7.50	9.50		
	Input power		0.949	1.18	1.69	2.11		
	COP		4.74	4.65	4.43	4.50		
2°C/35°C floor heating *1	Heating capacity	kW	4.50	5.30	6.30	9.30		
	Input power		1.33	1.65	1.96	3.08		
	COP		3.39	3.22	3.21	3.02		
-7°C/35°C floor heating *1	Heating capacity	kW	4.40	5.00	5.70	8.90		
	Input power		1.59	1.90	2.13	3.36		
	COP		2.76	2.63	2.68	2.65		
<b>Space heating characteristics*2</b>								
Temperature application	°C		55	35	55	35	55	35
Energy efficiency class			A++	A+++	A++	A+++	A++	A+++
Rated heat output (P <sub>nom</sub> )	kW		5	5	6	6	7	8
Seasonal space heating energy efficiency (η <sub>s</sub> )	%		125	175	125	175	128	177
Annual energy consumption	kWh		3,035	2,322	3,411	2,594	3,903	2,982
Sound power level*1	Hydraulic unit	dB(A)	40	-	40	-	40	-
	Outdoor unit		57	-	57	-	60	-
<b>Domestic hot water characteristics*2</b>								
Load profile			L	L	L	L		
Energy efficiency class			A+	A+	A+	A+		
Energy efficiency (η <sub>rwh</sub> )	%		130	130	130	130		
Annual electricity consumption	kWh		793	793	793	793		
<b>Hydraulic unit specifications</b>								
Power source			Single phase, ~230 V, 50 Hz					
Dimensions H × W × D	mm		1,863 × 648 × 700	1,863 × 648 × 700	1,863 × 648 × 700	1,863 × 648 × 700		
Weight (Net)	kg		145	145	145	145		
Water circulation	Min./Max. L/min		7.6/22.0	8.5/22.0	10.0/22.0	13.2/30.0		
DHW capacity	L		190	190	190	190		
Hot water heater capacity	kW		1.5	1.5	1.5	1.5		
Buffer tank capacity	L		16	16	16	16		
Expansion vessel capacity	L		8	8	8	8		
Water flow temperature range	Max. °C		55	55	55	55		
Water pipe connection diameter	Flow/Return mm		Ø25.4/Ø25.4	Ø25.4/Ø25.4	Ø25.4/Ø25.4	Ø25.4/Ø25.4		
Hot water pipe connection diameter	mm		Ø19.05	Ø19.05	Ø19.05	Ø19.05		
Backup heater	Capacity kW		3.0	3.0	3.0	3.0		
<b>Outdoor unit specifications</b>								
Power source			Single phase, ~230 V, 50 Hz					
Current	Max. A		13.0	13.0	18.0	19.0		
Dimensions H × W × D	mm		632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	998 × 940 × 320		
Weight (Net)	kg		39	39	42	62		
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)		
Additional refrigerant charge	Charge	kg	0.97	0.97	1.02	1.63		
		g/m	25	25	25	20		
Connection pipe	Diameter	mm	6.35	6.35	6.35	9.52		
	Length	Min./Max. m	12.70	12.70	12.70	15.88		
	Length (Pre-charge)	m	3/30	3/30	3/30	3/30		
	Height difference	Max. m	15	15	15	20		
Operating range	Heating	°C	-20 to 35	-20 to 35	-20 to 35	-20 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.

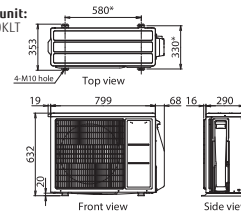
\*2: Information about EIP can be downloaded from our website at [www.fujitsu-general.com/global/support/downloads/search/](http://www.fujitsu-general.com/global/support/downloads/search/)

\*3: The sound power level values are based on EN12102 standard measurements under EN14825 standard conditions.

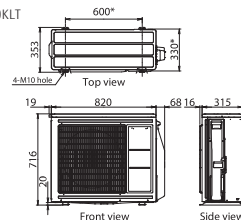
## Dimensions

(Unit: mm)

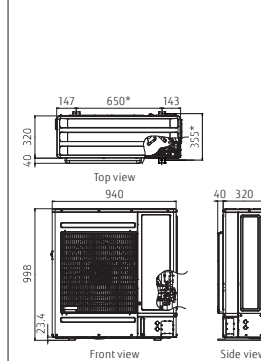
**Outdoor unit:**  
WOYA060KLT



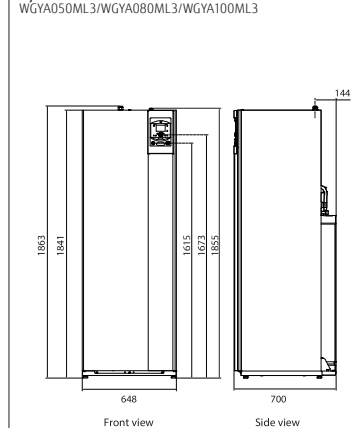
**WOYA080KLT**



**WOYA100KLT**



**Hydraulic unit:**  
WGYA050ML3/WGYA080ML3/WGYA100ML3



\*Pitch of bolts for installation

# Optional Parts

Product Name	Model Name	Split type										Split DHW Integrated type																																													
		Super High Power					High Power					R32 Comfort					Super High Power					High Power					R32 Comfort																														
		10	30	10	30	10	10	30	10	30	10	10	30	10	30	10	10	30	10	30	10	10	30	10	30	10	10	30	10	30	10																										
		16	15	17	11	14	11	14	16	5	6	8	10	16	15	17	11	14	11	14	16	5	6	8	10	16	15	17	11	14	11	14	16	5	6	8	10	16	15	17	11	14	11	14	16	5	6	8	10	16	15	17	11	14	11	14	16
Second circuit Kit	UTW-KZSXE	●																																																							
		UTW-KZDXE	●																																																						
			UTW-KZSXI	●																																																					
Boiler connection kit	UTW-KZDXI			●																																																					
		UTW-KBSXD		●																																																					
			UTW-KBDXD	●																																																					
Balancing vessel	UTW-KBSXI			●																																																					
		DHW kit		UTW-TEVXA	●																																																				
			DHW tank		UTW-KOWXD (External)	●																																																			
DHW expansion kit	200 Liters 300 Liters UTW-T20AXH UTW-T30AXH					●																																																			
		DHW tank		200 Liters 300 Liters UTW-T20BXXH UTW-T30BXXH		●																																																			
			DHW expansion kit		UTW-KDEXE	●																																																			
Circulating pump	UTW-KDEXL					●																																																			
		Cooling kit		UTW-PHFYG		●																																																			
			Cooling kit		UTW-KCLXD	●																																																			
Regulation extension kit	UTW-KCLXL					●																																																			
		Regulation extension kit		UTW-KREXD		●																																																			
			Drain pan		UTW-KDPXB	●																																																			
Cascade master kit (incl. LPB clip)	UTW-KCMXE					●																																																			

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		Super High Power					High Power					R32 Comfort					Super High Power					High Power					R32 Comfort																														
		10	30	10	30	10	10	30	10	30	10	10	30	10	30	10	10	30	10	30	10	10	30	10	30	10	10	30	10	30	10	10	30	10	30	10																					
		16	15	17	11	14	11	14	16	5	6	8	10	16	15	17	11	14	11	14	16	5	6	8	10	16	15	17	11	14	11	14	16	5	6	8	10	16	15	17	11	14	11	14	16	5	6	8	10	16	15	17	11	14	11	14	16
Cascade slave kit (incl. LPB clip)	UTW-KCSXE	●																																																							
HMI kit	UTW-KHMXE*2	●																																																							
Remote controller	UTW-C74XF*3	●																																																							
	UTW-C74HXF*3	●																																																							
Room thermostat	UTW-C55XA	●																																																							
	UTW-C58XD	●																																																							
Outdoor sensor transmitter	UTW-MOSXD	●																																																							
RF modules for B5B Port	UTW-MRCXD	●																																																							
Web server	UTW-KW1XD UTW-KW4XD	●																																																							
LPB clip	UTW-KL1XD	●																																																							
MODBUS® clip	UTW-KMBXI	●																																																							
Service tool (incl. OC1700 Adapter)	UTW-KSTXD	●																																																							
Service tool software	UTW-KPSXD	●																																																							
External connect kit	UTY-KW2XZ2	●																																																							
	UTY-KW2XZ3	●																																																							
Electrical backup heater relay	UTW-KBHXL	●																																																							

\*1: Split DHW integrated type supplies DHW without the DHW kit and DHW tank.  
 \*2: Includes 19 languages with no need to prepare an RC for Eastern Europe separately.  
 C74XF has a built-in room temperature sensor.  
 C74HXF has a built-in room temperature and humidity sensor.  
 \*3: UTW-KL1XD is required for the connection.  
 \*4: UTW-KW1XD or UTW-KW4XD is required for the connection.  
 \*5: Additional Spare parts 9708302034 (Analogue interface PCB) and 109696 (connection wire) are required.

● Available — Not Available