

Split 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

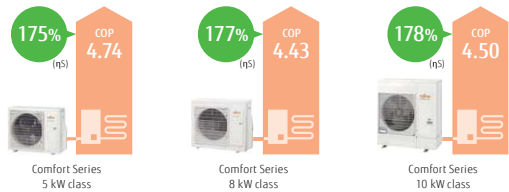
Heat pumps of WATERSTAGE™ ATW Systems work more efficiently and consume less energy than conventional heating systems.

Energy efficiency class **A+++***

*Temperature application: Heating temp. 35°C

Seasonal space heating energy efficiency (η_s)

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:
WSYA050ML3/WSYA080ML3/
WSYA100ML3
Outdoor unit:
WOYA060KLT/WOYA080KLT/
WOYA100KLT



Specifications

Model Name	Hydraulic unit		WSYA050ML3		WSYA080ML3		WSYA080ML3		WSYA100ML3	
	Outdoor unit		WOYA060KLT		WOYA060KLT		WOYA080KLT		WOYA100KLT	
Capacity Range			5		6		8		10	
			5		6		8		10	
7°C/35°C floor heating *1	Heating capacity		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		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		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	
Space heating characteristics*2										
Temperature application	°C		55		35		55		35	
Energy efficiency class			A++		A+++		A++		A+++	
Rated heat output (P _{rated})	kW		5		5		6		7	
Seasonal space heating energy efficiency (η _s)	%		125		175		125		175	
Annual energy consumption	kWh		3,035		2,322		3,411		2,594	
Sound power level*3	Hydraulic unit		40		40		40		40	
	Outdoor unit		57		57		60		62	
Hydraulic unit specifications										
Power source	Single phase, ~230 V, 50 Hz									
Dimensions H × W × D	mm		847 × 450 × 493		847 × 450 × 493		847 × 450 × 493		847 × 450 × 493	
Weight (Net)	kg		47		47		47		47	
Water circulation	Min./Max. L/min		7.6/22.0		8.5/22.0		10.0/22.0		13.2/30.0	
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	mm		Ø25.4/Ø25.4		Ø25.4/Ø25.4		Ø25.4/Ø25.4		Ø25.4/Ø25.4	
Backup heater Capacity	kW		3.0		3.0		3.0		3.0	
Outdoor unit specifications										
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)	
	Charge		0.97		0.97		1.02		1.63	
Additional refrigerant charge	Liquid		25		25		25		20	
	Gas		6.35		6.35		6.35		9.52	
	Length		12.70		12.70		12.70		15.88	
Connection pipe	Length (Pre-charge)		3/30		3/30		3/30		3/30	
	Length (Post-charge)		15		15		15		20	
	Height difference		20		20		20		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 E.P. can be downloaded from our website at www.fujitsu-general.com/global/support/downloads/search/

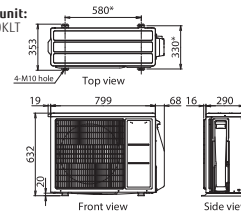
*3: The sound power level values are based on EN12102 standard measurements under EN14825 standard conditions.

Dimensions

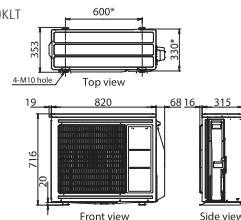
(Unit: mm)

Outdoor unit:

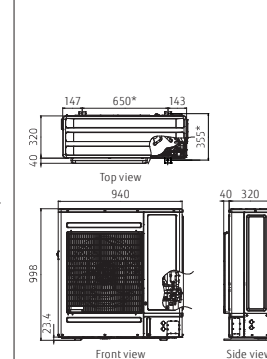
WOYA060KLT



WOYA080KLT

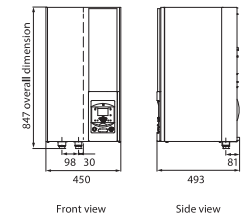


WOYA100KLT



Hydraulic unit:

WSYA050ML3/WSYA080ML3/WSYA100ML3



*Pitch of bolts for installation

