

WATERSTAGE™

Comfort series

Hydraulic indoor unit

Split type : WSYA050/080ML3

Split DHW integrated type : WGYA050 / 080ML3

Outdoor unit

Split type / Split DHW integrated type : WOYA060/080KLT



Point High leaving water temperature

Maximum leaving water temperature is 55°C without backup heater. Hot water supply temperature can be maintained even at -10°C outdoor temperature.

Outdoor temp. -10°C

Water temp. 55°C



Point High COP

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

Energy efficiency class

A+++*

*Temperature application : Heating Temp. 35°C.

Seasonal space heating energy efficiency (ηs)

175% COP 4.74



Single phase 5kW class

177% COP 4.43

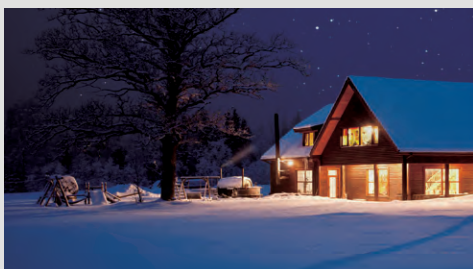


Single phase 8kW class

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

Point Wide operation range

Improved operation range down to -20°C outdoor temperature.



Point Adopting new refrigerant R32

R32 refrigerant is highly environmentally friendly for the reduction of the global warming potential than other refrigerant.



Dimensions

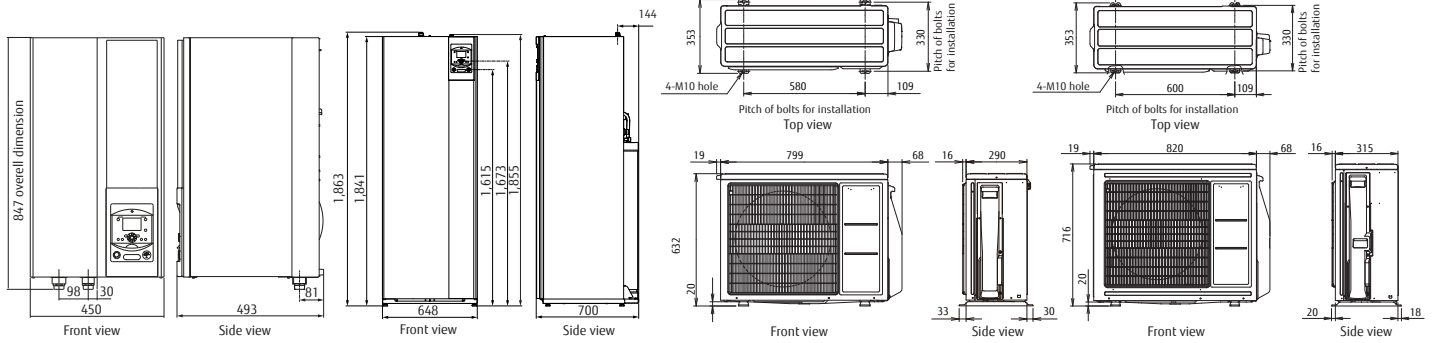
Hydraulic indoor unit
Split type : WSYA050 / 080ML3

Split DHW integrated type :
WGYA050 / 080ML3

Outdoor unit
WOYA060KLT

WOYA080KLT

(Unit : mm)



Specifications

Model No.	Hydraulic indoor unit		WSYA050ML3	WSYA080ML3	WSYA080ML3	WGYA050ML3	WGYA080ML3	WGYA080ML3						
	Outdoor unit		WOYA060KLT	WOYA060KLT	WOYA080KLT	WOYA060KLT	WOYA060KLT	WOYA080KLT						
Capacity range			5	6	8	5	6	8						
7°C / 35°C floor heating*1	Heating capacity	kW	4.50	5.50	7.50	4.50	5.50	7.50						
	Input power		0.949	1.18	1.69	0.949	1.18	1.69						
	COP		4.74	4.65	4.43	4.74	4.65	4.43						
2°C / 35°C floor heating*1	Heating capacity	kW	4.50	5.30	6.30	4.50	5.30	6.30						
	Input power		1.33	1.65	1.96	1.33	1.65	1.96						
	COP		3.39	3.22	3.21	3.39	3.22	3.21						
-7°C / 35°C floor heating*1	Heating capacity	kW	4.40	5.00	5.70	4.40	5.00	5.70						
	Input power		1.59	1.90	2.13	1.59	1.90	2.13						
	COP		2.76	2.63	2.68	2.76	2.63	2.68						
Space heating characteristics*2														
Temperature application	°C		55	35	55	35	55	35	55	35	55	35	55	35
Energy efficiency class			A++	A+++	A++	A+++	A++	A+++	A++	A+++	A++	A+++	A++	A+++
Rated heat output (Prated)	kW		5	5	5	6	7	5	5	5	6	6	7	
Seasonal space heating energy efficiency (ηs)	%		125	175	125	175	128	177	125	175	125	175	128	177
Annual energy consumption	kWh		3,035	2,322	3,411	2,594	3,903	2,982	3,035	2,322	3,411	2,594	3,903	2,982
Sound power level*3	Hydraulic indoor unit	dB(A)	40	-	40	-	40	-	40	-	40	-	40	-
	Outdoor unit		57	-	57	-	60	-	57	-	57	-	60	-
Domestic hot water characteristics*2														
Load profile														L
Energy efficiency class														A+
Energy efficiency (ηwh)	%													130
Annual electricity consumption	kWh													793
Hydraulic indoor unit Specification														
Power source			Single - phase 230 V 50 Hz				Single - phase 230 V 50 Hz							
Dimensions H×W×D	mm		847×450×493				1,863×648×700							
Weight (Net)	kg		41				143							
Water circulation	Min / Max	L/min	7.6 / 22.0	8.5 / 22.0	10.0 / 22.0	7.6 / 22.0	8.5 / 22.0	10.0 / 22.0	7.6 / 22.0	8.5 / 22.0	10.0 / 22.0	7.6 / 22.0	8.5 / 22.0	10.0 / 22.0
DHW capacity		L	-				190							
Hot water heater capacity		kW	-				1.5							
Expansion vessel capacity		L	8				8							
Buffer tank capacity		L	16				16							
Leaving water temperature range	Max	°C	55				55							
Water pipe connection diameter	Flow / Return	mm	Ø 25.4 / Ø 25.4				Ø 25.4 / Ø 25.4							
Hot water pipe connection diameter		mm	-				Ø 19.05							
Backup heater	Capacity	kW	3.0				3.0							
Outdoor unit specification														
Power source			Single - phase 230 V 50 Hz				Single - phase 230 V 50 Hz							
Current	Max	A	13.0				18.0							
Dimensions H × W × D		mm	632×799×290				716×820×315							
Weight (Net)		kg	39				42							
Refrigerant	Type (Global Warming Potential)		R32 (675)				R32 (675)							
	Charge	kg	0.97				1.02							
Additional refrigerant charge amount		g/m	25				25							
Connection pipe	Diameter	Liquid	6.35				6.35							
		Gas	12.70				12.70							
	Length	Min / Max	3 / 30				3 / 30							
		Length (Pre - charge)	15				15							
Height difference	Max	20				20								
Operation range	Heating	°C	-20 to 35				-20 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 www.fujitsu-general.com/global/support/downloads/research/index.html

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

“WATERSTAGE” is a worldwide trademark of FUJITSU GENERAL LIMITED and is a registered trademark in Japan and other countries or areas.

The colors may be different from the actual colors because this catalog is printed matter.

Specifications and design subject to change without notice for future improvement.

Please check with your dealer

Distributed by :



ISO 9001
01 100 071829
ISO 14001
01 104 9245
Certified number: 01 100 075239
Certified number: 01 104 9245
Fujitsu General (Thailand) Co., Ltd.

FUJITSU GENERAL LIMITED

3-3-17, Suenaga, Takatsu-ku, Kawasaki 213-8502, Japan

www.fujitsu-general.com/