

## XLTH SERIES: EXTRA LOW TEMPERATURE HEATING DOWN TO -15°F



WALL MOUNT SYSTEMS

9RLS3YH, 12RLS3YH, 15RLS3YH  
18RLXFWH, 24RLXFWH, 30RLXEH



FLOOR MOUNT SYSTEMS

9RLFFH, 12RLFFH, 15RLFFH



MULTI-ZONE SYSTEMS

AOU18RLXFZH, AOU24RLXFZH,  
AOU36RLXFZH



NOT ALL HEATING SYSTEMS ARE CREATED EQUAL  
Without the right technology, a system  
won't work when it's needed most.

## PROTECTION FROM THE WINTER'S COLDEST TEMPERATURES

When the temperature drops you don't want to be left in the cold. It's important to choose a heat pump system rated for the climate you live in. If your system doesn't operate in severe conditions you and your family could be left without any heat at all.

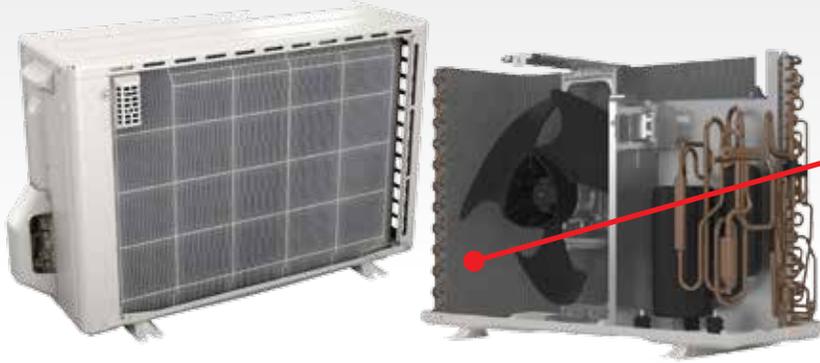
Fujitsu's line of mini-split heat pumps come in different sizes, styles, and rated outdoor temperatures. The Extra Low Temperature Heating (**xlth**) Series features outdoor condensing units engineered to operate in temperatures down to  $-15^{\circ}\text{F}$ , lower than any other mini-split available today.



Shown is an outdoor condensing unit used in a climate colder than it was rated for. Without the right technology, condensate freezes to the bottom of the unit and reduces its efficiency and heating output.

## AMBIENT HEATING TEMPERATURE OF -15°F

Other models may go as low as -5°F, however they do not include a base heater and other advancements found in XLTH models.



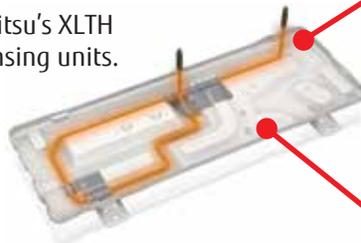
### METAL FAN GUARD

While other models have a plastic fan guard, XLTH models use metal, which is most capable of withstanding the colder elements.

### BASE HEATER

When temperatures reach 36°F, a built-in heater warms the base of the outdoor unit so that condensation doesn't freeze. Without a heater, freezing condensate can cause noise, damage to the fan blade, condenser, and system performance.

The base of Fujitsu's XLTH outdoor condensing units.

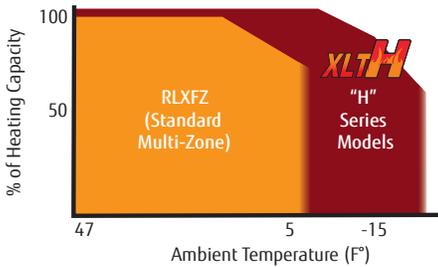


### BASE DRAINAGE HOLES

The contoured base design discharges melted water through many holes located at the bottom of the unit.

## IMPROVED HEATING CAPACITY

Heating capacity at low outdoor temperatures was improved by adopting a large heat exchanger and a high capacity compressor.



## HIGH PERFORMANCE HEATING

Fujitsu XLTH units feature large heat exchangers and high capacity compressors. This gives our XLTH heat pumps the ability to extract heat even at very low outdoor temperatures. For example, at an indoor setpoint of 70°F, all RLS3YH and RLFFH models can deliver 100% or more of their rated heating capacity down to 3°F outside. All XLTH models also offer superior heating performance down to -15°F outdoor temperatures.

Fujitsu XLTH systems do not have a low temperature lockout, continuing to heat even below -15°F as conditions allow.



## HAVE PEACE OF MIND WITH FUJITSU'S XLTH HEAT PUMPS



Drain hole is not filled, no freezing of base

Freezing where there is no heater

Condition: Indoor temp. of 68°FDB / outdoor temp. of 5°FDB, Heating mode, High airflow volume. Operation for 24 hours.



# WI-FI ENABLED WALL MOUNTED HIGH-SEER 9, 12 AND 15,000 BTU SYSTEMS

SYSTEMS 9RLS3YH, 12RLS3YH, 15RLS3YH



**Up to 33.0 SEER, 14.0 HSPF**



**INDOOR MODELS**  
ASU9RLS3Y  
ASU12RLS3Y  
ASU15RLS3Y



**OUTDOOR MODELS**  
AOU9RLS3H  
AOU12RLS3H  
AOU15RLS3H

## ENERGY EFFICIENT

	9RLS3YH	12RLS3YH	15RLS3YH
SEER	33.0	29.3	25.3
EER	18.0	15.2	13.9
HSPF	14.0	13.8	13.3

## AMONG THE WORLD'S MOST EFFICIENT HEAT PUMPS



Systems feature high efficiencies and are **ENERGY STAR® Qualified**, meaning lower utility bills for home and business owners.

## OPERATION FROM ANYWHERE



The RLS3YH series comes Wi-Fi enabled

and can be controlled from anywhere using the free FGLair app on a smartphone or tablet.



### Cooling

During cooling mode, far reaching horizontal airflow quickly creates a comfortable space throughout the entire room.

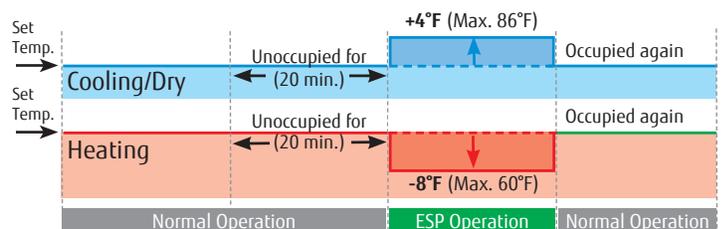


### Heating

During heating mode, vertical airflow provides comfortable floor level heating.

## ENERGY SAVING PROGRAM

These Halcyon systems know how to save you money even when you forget. If you leave the room without turning the unit off, ESP knows that you left and 20 minutes later, set temperature is increased by 4°F when cooling and reduced by 8°F when heating. When you come back to the room, it returns to previous operating mode. This prevents wasteful operation to save energy without you having to think about it. This feature can be deactivated.



# HIGH HEAT SYSTEMS 9RLS3YH, 12RLS3YH, 15RLS3YH

## STANDARD FEATURES

	Economy Mode
	Energy Saving Program
	Minimum Heat (50°F/10°C)
	Auto Changeover
	Auto Louver: 4-Way
	Auto Mode
	Auto Restart/Reset
	Dry Mode
	Low Noise Mode (Outdoor)
	Powerful Operation Mode
	Quiet Mode (Indoor)
	24 Hour Timer
	Sleep Timer
	Weekly Timer
	Apple Catechin Filter
	Cold Prevention
	Expanded Heating Performance
	Ion Deodorizing Filter
	Remote Temperature Sensor <sup>1</sup>
	Third Party Device Control <sup>2</sup>
	Base Pan Heater
	Daisy Chain <sup>1</sup>

1 Available only with optional wired remote controller and optional interface kit.

2 Available only with optional interface kit. Operation monitoring and On/Off control only.

## OPTIONAL ACCESSORIES

- Wired Remote Controller: UTY-RVNUM  
Backlit and displays room temperature
- Wired Remote Controller: UTY-RNNUM
- Simple Remote Controller: UTY-RSNUM
- Communication Kit: UTY-TWBXF1
- Dry Contact Wire Kit: UTY-XWZXZ5

		9RLS3YH		12RLS3YH		15RLS3YH	
<b>Performance</b>							
Nominal Cooling	BTUh	9,000		12,000		14,500	
Min.-Max. Cooling	BTUh	3,100~12,000		3,100~13,600		3,100~18,400	
Nominal Heating	BTUh	12,000		16,000		18,000	
Min.-Max. Heating	BTUh	3,100~22,000		3,100~22,100		3,100~23,900	
SEER		33.0		29.3		25.3	
HSPF		14.0		13.8		13.3	
EER		18.0		15.2		13.9	
Cooling Operating Range	°F (°C)	14~115 (-10~46)		14~115 (-10~46)		14~115 (-10~46)	
Heating Operating Range	°F (°C)	-15~75 (-26~24)		-15~75 (-26~24)		-15~75 (-26~24)	
Moisture Removal	Pt./h (l/h)	2.6 (1.2)		2.7 (1.3)		4.0 (1.9)	
Max Htg % of Model # Capacity at +5°F (-15°C)*		171%		138%		140%	
Max Htg % of Model # Capacity at -5°F (-21°C)*		156%		125%		124%	
Max Htg % of Model # Capacity at -15°F (-26°C)*		123%		98%		109%	
<b>Fan</b>							
Air Circulation: Hi	CFM (m3/h)	489 (830)		489 (830)		547 (930)	
Medium	CFM (m3/h)	400 (680)		400 (680)		459 (780)	
Low	CFM (m3/h)	341 (580)		341 (580)		371 (630)	
Quiet	CFM (m3/h)	224 (380)		224 (380)		Clg 259 (440) Htg 294 (500)	
Fan Speed Stage		4+Auto		4+Auto		4+Auto	
<b>Sound</b>							
Indoor Level (Clg/Htg): Hi	dB(A)	42/41		42/41		45/45	
Medium	dB(A)	37/35		37/35		40/39	
Low	dB(A)	32/31		32/31		34/33	
Quiet	dB(A)	23/23		23/23		26/27	
Outdoor Level Clg/Htg	dB(A)	42/47		43/47		49/50	
<b>Electrical</b>							
Voltage/Frequency/Phase		208-230/60/1		208-230/60/1		208-230/60/1	
Circuit Breaker	Amps	15		15		20	
Current Rated/Max: Cooling	Amps	2.5/9.4		3.8/9.4		4.8/9.9	
Current Rated/Max: Heating	Amps	3.3/10.0		4.7/11.9		5.2/13.9	
Power Use Rated/Max: Cooling	kW	0.50/0.85		0.79/0.99		1.04/1.56	
Power Use Rated/Max: Heating	kW	0.66/1.93		1.01/1.94		1.15/2.19	
<b>Size &amp; Weight</b>							
Net Weight	lbs. (kg)	31 (14)	86 (39)	31 (14)	86 (39)	31 (14)	88 (40)
	Inch	11-5/8	24-7/16	11-5/8	24-7/16	11-5/8	24-7/16
Dimensions: Height	mm	295	620	295	620	295	620
	Inch	37	31-1/8	37	31-1/8	37	31-1/8
Width	mm	940	790	940	790	940	790
	Inch	10-5/8	11-7/16	10-5/8	11-7/16	10-5/8	11-7/16
Depth	mm	270	290	270	290	270	290
	Inch	10-5/8	11-7/16	10-5/8	11-7/16	10-5/8	11-7/16
Refrigerant		R410A		R410A		R410A	
<b>Additional Data</b>							
Air Direction: Horizontal		Automatic		Automatic		Automatic	
Vertical		Automatic		Automatic		Automatic	
Air Filter		Washable		Washable		Washable	
Minimum Lineset Length	Ft (m)	10 (3)		10 (3)		10 (3)	
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')		66 (20) (pre-charge: 49')		66 (20) (pre-charge: 49')	
Max. Vertical Diff.	Ft (m)	49 (15)		49 (15)		49 (15)	
Lineset Size	Inch	Suc.3/8	Dis.1/4	Suc.3/8	Dis.1/4	Suc.1/2	Dis.1/4
* Based on model # capacity class (e.g. 9RLS3Y based on 9,000 BTUh) @ 70°F indoor setpoint. Refer to the Design & Technical Manual for more heating capacity data.		Indoor ASU9RLS3Y	Outdoor AO9RLS3H	Indoor ASU12RLS3Y	Outdoor AO12RLS3H	Indoor ASU15RLS3Y	Outdoor AO15RLS3H

Note: Figures are based on 230 Volts.

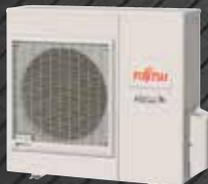
# WALL MOUNTED

## 18, 24 AND 30,000 BTU SYSTEMS

SYSTEMS 18RLXFWH, 24RLXFWH, 30RLXEH



Up to 20.0 SEER



INDOOR MODELS  
ASU18RLF  
ASU24RLF

OUTDOOR MODELS  
AOU18RLXFWH  
AOU24RLXFWH



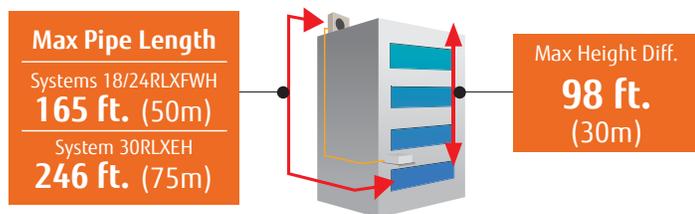
INDOOR MODEL  
ASU30RLE

OUTDOOR MODEL  
AOU30RLXEH

Stylish, slim and elegant, these wall mounted ductless heat pumps are designed for single rooms. These systems feature long piping lengths and low ambient heating and cooling, making them great for solving various application-specific problems. With more efficient zone control, ductless mini-splits are perfect for renovations, restorations, conversions, and add-ons.

### EXTENDED LINE SET

Long piping lengths between indoor and outdoor units provides flexibility and increased applications.



### ENERGY EFFICIENT

All systems feature high efficiencies and are **ENERGY STAR® Qualified**, meaning lower utility bills for home and business owners.



	18RLXFWH	24RLXFWH	30RLXEH
SEER	20.0	19.5	18.7
EER	13.3	12.5	12.5
HSPF	10.4	10.5	11.7

### OPTIONAL ACCESSORIES

#### CONTROLLERS



**Wired Remote<sup>^</sup>**  
UTY-RVNUM  
Backlit and includes room temperature



**Wired Remote (Touch Panel)<sup>^</sup>** UTY-RNRU22\*<sup>^</sup>  
Backlit and includes room temperature



**Wired Remote<sup>^</sup>**  
UTY-RNNUM



**Simple Remote<sup>^</sup>**  
UTY-RSNUM

#### INTERFACE KITS

- Dry Contact Wire Kit UTY-XWZX
- Interface Kit UTY-XCSXZ1\*
- Interface Kit Box UTY-GXXB\*
- Outdoor Unit Input/Output Connector UTY-XWZXZ3\*

\*Compatible with System 30RLXEH only.

### LOCK OUT FUNCTION

This feature is set by the contractor on behalf of the Commercial Property Owner to prevent either Cooling or Heating operation from occurring. This is not a function that can be set by a tenant, user, or home owner.

### LEAD LAG CONTROL<sup>^</sup> FOR SYSTEM 30RLXEH

- Alternate operation of systems
- Back-up operation of redundant system
- Dual stage operation

<sup>^</sup> Wired remotes cannot be used when using this feature. This includes UTY-RNRU22, UTY-RVNUM, UTY-RNNUM, UTY-RSNUM.

# HIGH HEAT SYSTEMS 18RLXFWH, 24RLXFWH HIGH-HEAT SYSTEM 30RLXEH

## STANDARD FEATURES

### RLXFWH and RLXEH SYSTEMS:

-  Economy Mode
-  Minimum Heat (50°F/10°C)
-  Auto Changeover
-  Auto Louver: 4-Way
-  Auto Mode
-  Auto Restart/Reset
-  Dry Mode
-  Quiet Mode (Indoor)
-  Sleep Timer
-  Weekly Timer<sup>1</sup>
-  Apple Catechin Filter
-  Cold Prevention
-  Expanded Heating Performance
-  Ion Deodorizing Filter
-  Low Ambient Cooling
-  Remote Temperature Sensor<sup>1</sup>
-  Third Party Device Control<sup>2</sup>
-  Base Pan Heater
-  Blue Fin Heat Exchanger
-  Daisy Chain
-  Long Piping Length

1 Available only with optional wired remote control.

2 Available only with optional interface kit. Operation monitoring and On/Off control only.

### 30RLXEH SYSTEMS ONLY:

-  Energy Saving Program
-  Low Noise Mode (Outdoor)
-  Powerful Operation Mode
-  Pump Down Operation

		18RLXFWH		24RLXFWH		30RLXEH	
							
		<b>XLH</b>		<b>XLH</b>		<b>XLH</b>	
Performance							
Nominal Cooling	BTUh	18,000		22,000		30,000	
Min.-Max. Cooling	BTUh	7,000~23,000		9,900~27,300		9,900~32,400	
Nominal Heating	BTUh	21,600		25,200		32,000	
Min.-Max. Heating	BTUh	7,000~29,000		7,500~36,200		8,000~37,500	
SEER		20.0		19.5		18.7	
HSPF		10.4		10.5		11.7	
EER		13.3		12.5		12.5	
Cooling Operating Range	°F (°C)	-5~115 (-20~46)		-5~115 (-20~46)		-5~115 (-20~46)	
Heating Operating Range	°F (°C)	-15~75 (-26~24)		-15~75 (-26~24)		-15~75 (-26~24)	
Moisture Removal	Pt./h (l/h)	5.9 (2.8)		6.3 (3.0)		9.7 (4.6)	
Max Htg % of Model # Capacity at +5°F (-15°C)*		120%		105%		107%	
Max Htg % of Model # Capacity at -5°F (-21°C)*		109%		94%		91%	
Max Htg % of Model # Capacity at -15°F (-26°C)*		100%		82%		76%	
Fan							
Air Circulation: Hi	CFM (m3/h)	541 (920)		Clg 659 (1,120) Htg 677 (1,150)		812 (1,380)	
Medium	CFM (m3/h)	435 (740)		530 (900)		665 (1,130)	
Low	CFM (m3/h)	365 (620)		435 (740)		536 (910)	
Quiet	CFM (m3/h)	Clg 306 (520) Htg 318 (540)		365 (620)		418 (710)	
Fan Speed Stage		4+Auto		4+Auto		4+Auto	
Sound							
Indoor Level (Clg/Htg): Hi	dB(A)	43/44		49/49		50/49	
Medium	dB(A)	37/37		42/42		45/44	
Low	dB(A)	33/33		37/37		38/38	
Quiet	dB(A)	28/28		33/33		32/32	
Outdoor Level Clg/Htg	dB(A)	47/50		54/55		53/54	
Electrical							
Voltage/Frequency/Phase		208-230/60/1		208-230/60/1		208-230/60/1	
Circuit Breaker	Amps	20		20		30	
Current Rated/Max: Clg	Amps	6.2/13.5		7.9/15		10.6	
Current Rated/Max: Htg	Amps	7.8/14.5		8.6/15.5		12.0	
Power Use Rated/Max: Clg	kW	1.35/3.01		1.76/3.42		2.40/3.83	
Power Use Rated/Max: Htg	kW	1.75/3.23		1.94/3.53		2.74/4.28	
Size & Weight							
Net Weight	lbs. (kg)	31 (14)	135 (61)	31 (14)	135 (61)	40 (18)	205 (93)
Dimensions: Height	Inch	12-5/8	32-3/4	12-5/8	32-3/4	13-3/8	50-13/16
	mm	320	830	320	830	340	1,290
Width	Inch	39-1/4	35-3/8	39-1/4	35-3/8	45-1/4	35-3/8
	mm	998	900	998	900	1,150	900
Depth	Inch	9	13	9	13	11	13
	mm	228	330	228	330	280	330
Refrigerant		R410A		R410A		R410A	
Additional Data							
Air Filter		Washable		Washable		Washable	
Minimum Lineset Length	Ft (m)	16 (5)		16 (5)		16 (5)	
Maximum Lineset Length	Ft (m)	164 (50) (pre-charge: 65')		164 (50) (pre-charge: 65')		246 (75) (pre-charge: 65')	
Max. Vertical Diff.	Ft (m)	30 (98)		30 (98)		30 (98)	
Lineset Size	Inch	Suc. 5/8	Dis. 3/8	Suc. 5/8	Dis. 3/8	Suc. 5/8	Dis. 3/8
		Indoor ASU18RLF	Outdoor AOU18RLX- FWH	Indoor ASU24RLF	Outdoor AOU24RLX- FWH	Indoor ASU30RLE	Outdoor AOU30RLXEH

\* Based on model # capacity class (e.g. 9RLS3Y based on 9,000 BTUh) @ 70°F indoor setpoint. Refer to the Design & Technical Manual for more heating capacity data.

Note: Figures are based on 230 Volts.

# FLOOR MOUNTED

## 9, 12, 15,000 BTU SYSTEMS

### SYSTEMS 9RLFFH, 12RLFFH, 15RLFFH



Up to 26.0 SEER



**INDOOR MODELS**  
AGU9RLF  
AGU12RLF  
AGU15RLF



**OUTDOOR MODELS**  
AOU9RLFFH  
AOU12RLFFH  
AOU15RLFFH

Floor mount systems are ideal for residential radiator replacements or any room with limited upper wall space, like a kitchen or sunroom.

### ENERGY EFFICIENT

All systems feature high efficiencies and are **ENERGY STAR® Qualified**, meaning lower utility bills for home and business owners.



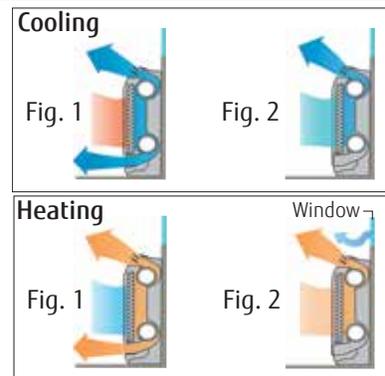
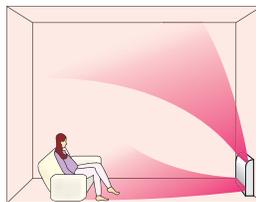
### IDEAL RADIATOR REPLACEMENT



At less than 24" high and 30" wide, floor mount models fit easily under a standard window and can replace a radiator twice its size while producing more capacity.

### TWO FANS AND WIDE AIRFLOW

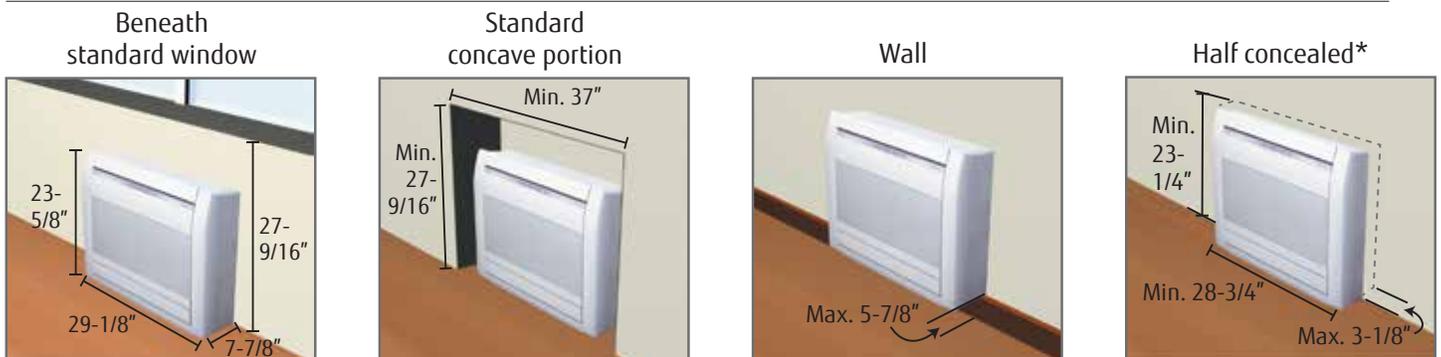
Having both upper and lower airflow quickly warms or cools the entire room. Floor mount can be set in "Upward Airflow Only" when occupants wish not to have feet warmed or cooled.



- Cooling**
1. Upon startup, both top and bottom louvers open.
  2. As the room temperature nears the setpoint, only the top louver stays open to help prevent cold air from falling.

- Heating**
1. Upon startup, both top and bottom louvers open.
  2. Closer to setpoint, only the top louver stays open to help prevent cold drafts from windows.

### FLEXIBLE AND EASY INSTALLATION



\*Field supplied insulation required

# HIGH HEAT SYSTEMS 9RLFFH, 12RLFFH, 15RLFFH

## STANDARD FEATURES

	Economy Mode
	Minimum Heat (50°F/10°C)
	Auto Changeover
	Auto Louver: Up-Down
	Auto Mode
	Auto Restart/Reset
	Dry Mode
	Powerful Operation Mode
	Quiet Mode (Indoor)
	24 Hour Timer
	Sleep Timer
	Weekly Timer <sup>1</sup>
	Apple Catechin Filter
	Cold Prevention
	Expanded Heating Performance
	Ion Deodorizing Filter
	Remote Temperature Sensor <sup>1</sup>
	Base Pan Heater
	Daisy Chain

<sup>1</sup> Available only with optional wired remote control.

## OPTIONAL ACCESSORIES

- Wired Remote Controller: UTY-RVNUM  
Backlit and displays room temperature
- Wired Remote Controller: UTY-RNNUM
- Simple Remote Controller: UTY-RSNUM
- Dry Contact Wire Kit: UTY-XWZXZ5

		9RLFFH		12RLFFH		15RLFFH	
		ENERGY STAR		ENERGY STAR		ENERGY STAR	
		XLTH		XLTH		XLTH	
<b>Performance</b>							
Nominal Cooling	BTUh	9,000		12,000		14,200	
Min.-Max. Cooling	BTUh	3,100~13,000		3,100~14,300		3,100~17,700	
Nominal Heating	BTUh	12,000		16,000		18,000	
Min.-Max. Heating	BTUh	3,100~18,800		3,100~19,500		3,100~20,800	
SEER		26.0		22.7		20.3	
HSPF		12.4		11.3		11.0	
EER		16.0		13.1		12.5	
Cooling Operating Range	°F (°C)	14~115 (-10~46)		14~115 (-10~46)		14~115 (-10~46)	
Heating Operating Range	°F (°C)	-15~75 (-26~24)		-15~75 (-26~24)		-15~75 (-26~24)	
Moisture Removal	Pt./h (l/h)	2.75 (1.3)		3.8 (1.8)		4.44 (2.1)	
Max Htg % of Model # Capacity at +5°F (-15°C)*		149%		125%		118%	
Max Htg % of Model # Capacity at -5°F (-21°C)*		130%		111%		107%	
Max Htg % of Model # Capacity at -15°F (-26°C)*		115%		100%		96%	
<b>Fan</b>							
Air Circulation: Hi	CFM (m3/h)	335 (570)		335 (570)		383 (650)	
Medium	CFM (m3/h)	271 (460)		271 (460)		306 (520)	
Low	CFM (m3/h)	212 (360)		212 (360)		235 (400)	
Quiet	CFM (m3/h)	159 (270)		159 (270)		159 (270)	
Fan Speed Stage		4+Auto		4+Auto		4+Auto	
<b>Sound</b>							
Indoor Level (Clg/Htg): Hi	dB(A)	40/40		40/40		44/43	
Medium	dB(A)	35/35		35/35		38/37	
Low	dB(A)	29/29		29/29		31/29	
Quiet	dB(A)	23/23		23/23		23/23	
Outdoor Level Clg/Htg	dB(A)	50/50		52/52		54/54	
<b>Electrical</b>							
Voltage/Frequency/Phase		208-230/60/1		208-230/60/1		208-230/60/1	
Circuit Breaker	Amps	15		15		20	
Current Rated: Cooling	Amps	2.9		4.2		5.1	
Current Rated: Heating	Amps	4.1		6.7		7.0	
Power Use Rated: Cooling	kW	.56		.97		1.13	
Power Use Rated: Heating	kW	.88		1.44		1.58	
<b>Size &amp; Weight</b>							
Net Weight	lbs. (kg)	31 (14)	86 (39)	31 (14)	86 (39)	31 (14)	88 (40)
Dimensions: Height	Inch	23-5/8	24-7/16	23-5/8	24-7/16	23-5/8	24-7/16
	mm	600	620	600	620	600	620
Width	Inch	29-1/8	31-1/8	29-1/8	31-1/8	29-1/8	31-1/8
	mm	740	790	740	790	740	790
Depth	Inch	7-7/8	11-7/16	7-7/8	11-7/16	7-7/8	11-7/16
	mm	200	290	200	290	200	290
Refrigerant		R410A		R410A		R410A	
<b>Additional Data</b>							
Air Direction: Horizontal		Manual		Manual		Manual	
Vertical		Auto		Auto		Auto	
Air Filter		Washable		Washable		Washable	
Minimum Lineset Length	Ft (m)	10 (3)		10 (3)		10 (3)	
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')		66 (20) (pre-charge: 49')		66 (20) (pre-charge: 49')	
Max. Vertical Differential	Ft (m)	49 (15)		49 (15)		49 (15)	
Lineset Size	Inch	Suc. 3/8	Dis. 1/4	Suc. 3/8	Dis. 1/4	Suc. 1/2	Dis. 1/4
* Based on model # capacity class (e.g. 9RLS3Y based on 9,000 BTUh) @ 70°F indoor setpoint. Refer to the Design & Technical Manual for more heating capacity data.		Indoor AGU9RLF	Outdoor AOU9RLFFH	Indoor AGU12RLF	Outdoor AOU12RLFFH	Indoor AGU15RLF	Outdoor AOU15RLFFH

Note: Figures are based on 230 Volts.

# MULTI-ZONE

## 18, 24, 36,000 BTU SYSTEMS

MODELS AOU18RLXFZH, AOU24RLXFZH, AOU36RLXFZH  
CONNECT 2 TO 4 INDOOR UNITS, DEPENDING ON MODEL



### OUTDOOR MODELS

AOU18RLXFZH  
AOU24RLXFZH  
AOU36RLXFZH

### INDOOR MODELS



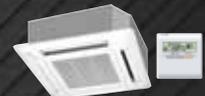
**WALL MOUNTS**  
ASU7RLF1  
ASU9RLF1  
ASU12RLF1  
ASU15RLF1  
ASU18RLF  
ASU24RLF



**FLOOR MOUNTS**  
AGU9RLF  
AGU12RLF  
AGU15RLF



**SLIM DUCTS**  
ARU7RLF  
ARU9RLF  
ARU12RLF  
ARU18RLF



**COMPACT CASSETTES**  
AAU7RLF  
AAU9RLF  
AAU12RLF  
AAU18RLF

### INDIVIDUAL ZONING CONTROL

Why pay to heat or cool areas that no one is occupying? Halcyon systems can have as many as eight indoor air handlers (covering eight zones or areas) connected to one outdoor unit. Since each of the zones will have its own thermostat, you only heat or cool the areas you want, and not the areas that are unoccupied.



### INDOOR MODEL COMPATIBILITY

• AOU18RLXFZH • AOU24RLXFZH • AOU36RLXFZH

kBTU/h	Wall Mount (ASU)	Floor Mount (AGU)	Slim Duct (ARU)	Compact Cassette (AAU)
7	● ● ●		● ● ●	● ● ●
9	● ● ●	● ● ●	● ● ●	● ● ●
12	● ● ●	● ● ●	● ● ●	● ● ●
15	● ●	● ●		
18	● ●		● ●	● ●
24	●		●	



ENERGY STAR® QUALIFYING SYSTEMS:

OUTDOOR UNIT	INDOOR UNIT TYPE		
	Non-ducted	Ducted	Mixed
AOU18RLXFZH	★	--	--
AOU24RLXFZH	★	--	--
AOU36RLXFZH	★	--	--

# HIGH-HEAT AOU18RLXFZH, AOU24RLXFZH, AOU36RLXFZH

		AOU18RLXFZH	AOU24RLXFZH	AOU36RLXFZH
<b>Performance</b>		<b>XLTH</b>	<b>XLTH</b>	<b>XLTH</b>
Connectable Indoor Units		2	2 to 3	2 to 4
Connectable Unit Capacity Class	BTUh	14,000 to 21,000	14,000 to 27,000	27,000 to 39,000
Rated Capacity Cooling/Heating	BTUh	18,000/22,000	22,000/25,000	35,200/36,400
Cooling Operating Range	°F (°C)	14 to 115 (-10 to 46)	14~115 (-10~46)	14~ 115 (-10~46)
Heating Operating Range	°F (°C)	-15 to 75 (-26 to 24)	-15~75 (-26~24)	-15~75 (-26~24)
<b>Electrical</b>				
Rated Input Power Clg/Htg	kW	1.33/1.70	1.65/1.81	2.70/2.67
Voltage/Frequency/Phase		208-230/60/1	208-230/60/1	208-230/60/1
Maximum Total Current	Amps	16.4	20.8	26.0
Minimum Circuit Ampacity	Amps	19.7	25.1	31.5
Maximum Circuit Breaker	Amps	20	30	40
Fan: Type x Quantity		Propeller x 1	Propeller x 1	Propeller x 1
Sound Pressure Level Cooling	dB(A)	48	50	53
Sound Pressure Level Heating	dB(A)	50	52	55
<b>Lineset Requirements</b>				
Minimum Lineset Length Each	ft(m)	16 (5)	16 (5)	16 (5)
Maximum Lineset Length Each	ft(m)	82 (25)	82 (25)	82 (25)
Minimum Lineset Length Total	ft(m)	49 (15)	49 (15)	49 (15)
Maximum Lineset Length Total	ft(m)	164 (50)	230 (70)	230 (70)
Pre-Charge Length Total	ft(m)	98 (30)	98 (30)	164 (50)
Maximum Lineset Height Difference Btwn Outdoor Unit & Furthest Indoor Unit	ft(m)	49 (15)	49 (15)	49 (15)
Maximum Lineset Height Difference Btwn Indoor Units	ft(m)	33 (10)	33 (10)	33 (10)
Lineset Diameter	Inch	Liq. 1/4 x 2 Suc. 3/8 x 2	Liq. 1/4 x 3 Suc. 1/2 x 1, 3/8 x 2	Liq. 1/4 x 4 Suc. 1/2 x 1, 3/8 x 3
<b>Size &amp; Weight</b>				
Net Weight	lbs. (kg)	134 (61)	146 (66)	205 (93)
Dimensions: Height	Inch	32-11/16	32-11/16	39-5/16
	mm	830	830	998
Width	Inch	35-7/16	35-7/16	38-3/16
	mm	900	900	970
Depth	Inch	13	13	14-9/16
	mm	330	330	370
Refrigerant		R410A	R410A	R410A

# ALLOWABLE COMBINATIONS



for AOU18RLXFZH, AOU24RLXFZH, AOU36RLXFZH



ASU7RLF1, ASU9RLF1,  
ASU12RLF1, ASU15RLF1,  
ASU18RLF, ASU24RLF



ARU7RLF  
ARU9RLF  
ARU12RLF  
ARU18RLF  
ARU24RLF



AAU7RLF  
AAU9RLF  
AAU12RLF  
AAU18RLF



AGU9RLF  
AGU12RLF  
AGU15RLF



AOU18RLXFZH  
AOU24RLXFZH  
AOU36RLXFZH

BTU Capacity	7,000	9,000	12,000	15,000	18,000	24,000	Allowed "Connectable Capacity" combinations over 100%
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**AOU18RLXFZH**

2 INDOOR UNITS	7	7				14
	7	9				16
	7	12				19
	9	9				18
	9	12				21
	9	12				21

**AOU24RLXFZH**

3 INDOOR UNITS MAX	7	7	-			14
	7	9	-			16
	7	12	-			19
	7	15				22
	7	18				25
	9	9	-			18
	9	12				21
	9	15				24
	9	18				27
	12	12				24
	12	15				27
	7	7	7			21
	7	7	9			23
	7	7	12			26
	7	9	9			25
9	9	9			27	

**AOU36RLXFZH**

2 INDOOR UNITS	18	18				36
	7	24				31
	9	24				33
	12	24				36
	15	24				39
	18	18				36
4 INDOOR UNITS MAX	7	7	15	-		29
	7	7	18	-		32
	7	7	24			38
	7	9	12	-		28
	7	9	15	-		31
	7	9	18			34
	7	12	12	-		31
	7	12	15			34
	7	12	18			37
	9	9	9	-		27

AOU36RLXFZH continued next column →

**4 INDOOR UNITS MAX**

9	9	12	-		30
9	9	15			33
9	9	18			36
9	12	12			33
9	12	15			36
9	12	18			39
12	12	12			36
12	12	15			39
7	7	7	7		28
7	7	7	9		30
7	7	7	12		33
7	7	7	15		36
7	7	7	18		39
7	7	9	9		32
7	7	9	12		35
7	7	9	15		38
7	7	12	12		38
7	9	9	9		34
7	9	9	12		37
9	9	9	9		36
9	9	9	12		39

"-" represents available circuit for future expansion when connecting this combination.



## 4 INDOOR MODEL STYLES TO CHOOSE FROM

Halcyon systems are some of today's most advanced forms of heating and air conditioning, being super quiet, as well as highly energy efficient. With 4 indoor unit styles to choose from, there's a Halcyon system to fit every décor.

### WALL MOUNTED

They mount high on a wall, out of sight and do not require ductwork, increasing energy efficiency.

- Quiet operation
- Easy maintenance
- High delivered efficiency means lower utility bills



### FLOOR MOUNTED

Floor mount systems are ideal for residential radiator replacements or any room with limited upper wall space, like a kitchen or sunroom.

- Compact size fits easily under a standard window
- Features twin airflow for improved heat delivery
- Designer wireless remote control

### COMPACT CASSETTE

Cassettes are extremely discreet, with only the grille showing in the ceiling. They use the latest fan technology to distribute the conditioned air evenly.

- Wired remote control (wireless is optional)
- Powerful turbo fan operation
- Fits into a standard 2' x 2' ceiling grid

Available in XLTH series as Multi-zone only.



### SLIM DUCT

Mounted in a ceiling or in a framed enclosure below a ceiling. They use minimal ductwork and remain very energy efficient.

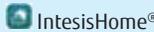
- Concealed and out of sight
- Look of central air with the efficiency of a mini-split
- Less ducts = higher efficiency

Available in XLTH series as Multi-zone only.

# WI-FI AND WIRELESS OPTIONS

Control your home's climate anytime, anywhere! Access control functions remotely from any smartphone or tablet.

## FUJITSU HALCYON WIFI SELECTION GUIDE

WIFI CONNECTABLE UNITS & MODULES			
			
			
RLS3Y & RLS3YH (Built In)	WIFI Interface Module	IR Wireless Module	Wired Module
ASU 9/12/15 RLS3Y	UTY-TFNXZ2 (Add-on)	FJ-IR-WIFI-1NA (Add-on)	FJ-RC-WIFI-1NA (Add-on)
WHICH APP DOES IT USE?			
			
FGLAIR® APP FEATURES:		INTESISHOME® APP FEATURES:	
<ul style="list-style-type: none"> <li>• On/Off</li> <li>• Change Mode</li> <li>• Change Temp Setpoint</li> <li>• Fan Speed</li> </ul>	<ul style="list-style-type: none"> <li>• Louver/Swing Position</li> <li>• Weekly Timer</li> <li>• Economy Setting</li> <li>• Emailed Error Alerts</li> </ul>	<ul style="list-style-type: none"> <li>• On/Off</li> <li>• Change Mode</li> <li>• Change Temp Setpoint</li> <li>• Fan Speed</li> </ul>	<ul style="list-style-type: none"> <li>• Louver/Swing Position</li> <li>• Weekly Timer</li> <li>• Fully Programmable</li> <li>• Alarm Notifications</li> </ul>
App available on iOS and Android.		App available on iOS and Android. Can also be run through a web browser.	
WHERE DOES IT MOUNT?			
Built into the RLS3Y	On the wall next to IDU	Up to 20' away from IDU	On the wall next to IDU
COMPATIBLE UNITS:			
WALL MOUNTS:	WALL MOUNTS:	WALL MOUNTS:	WALL MOUNTS:
ASU9RLS3Y	ASU 7 / 9 / 12 / 15RLF1 <sup>2</sup>	ASU 7 / 9 / 12 / 15RLF1	ASU 7 / 9 / 12 / 15RLF1 <sup>6,7</sup>
ASU12RLS3Y	ASU 9 / 12 / 15RLS3 <sup>3</sup>	ASU 9 / 12 / 15RLS3	ASU 9 / 12 / 15RLS3 <sup>6,8</sup>
ASU15RLS3Y	ASU 18 / 24RLF	ASU 18 / 24RLF	ASU 18 / 24RLF
	ASU30RLE		
	CASSETTES:	CASSETTES:	CASSETTES:
	AUU 7 / 9 / 12 / 18RLF	AUU 7 / 9 / 12 / 18RLF	AUU 7 / 9 / 12 / 18RLF
	DUCTED:	DUCTED:	DUCTED:
	ARU 7 / 9 / 12 / 18 / 24RLF	ARU 7 / 9 / 12 / 18 / 24RLF <sup>4</sup>	ARU 7 / 9 / 12 / 18 / 24RLF
	FLOOR MOUNTS:	FLOOR MOUNTS:	FLOOR MOUNTS:
	AGU 9 / 12 / 15RLF	AGU 9 / 12 / 15RLF	AGU 9 / 12 / 15RLF <sup>6</sup>
	UTY-TFNXZ2 cannot be installed in conjunction with Wired Remote Controls.	<sup>2</sup> requires UTY-XCBXZ2	<sup>6</sup> requires UTY-WIFI
		<sup>3</sup> requires UTY-TWBXF1	<sup>7</sup> requires UTY-XCBXZ2
		<sup>4</sup> requires UTY-LRHUM	<sup>8</sup> requires UTY-TWBXF1

## SMART HOME ACCESSORIES

### THIRD PARTY THERMOSTAT CONVERTER - UTY-TTRX

Control your Fujitsu heating and cooling system with your favorite smart thermostat (not included).



**AMAZON ECHO ALEXA SKILL** - Voice control for your Fujitsu Halcyon system using Amazon Echo. Using FGLair, with no loss of inverter efficiency.



# OPTIONAL ACCESSORIES

## REMOTE CONTROLS (Compatible with RLS3YH, RLXFWH, RLXEH and RLFFH Series)

**Wired Remote Controller**  
UTY-RNNUM



The wired remote controller with its unique lock function and sleek design provides full feature access to property managers, building owners, and facility maintenance, as well as providing basic comfort features to tenants, employees, and teachers.

**Wired Remote Controller**  
UTY-RVNUM



Features a large backlit LCD display and displays the room temperature. Provides full feature access to property managers, building owners, and facility maintenance, as well as providing basic comfort features to tenants, employees, and teachers.

**Simple Remote Controller**  
UTY-RSNUM



Suitable when only basic operations are required for hotels, offices and other places where there is frequent arrival and departure of occupants. Remote does not allow any timer settings.

**TOUCH PANEL REMOTE CONTROL**  
(Compatible with System 30RLXEH)

**Wired Remote (Touch Panel)**  
UTY-RNRUZ2



Features a large backlit LCD display and displays the room temperature. Provides full feature access to property managers, building owners, and facility maintenance, as well as providing basic comfort features to tenants, employees, and teachers.

**DRY CONTACT KIT**  
(Compatible with RLS3YH and RLFFH Series)

**Dry Contact Wire Kit**  
UTY-XWZXZ5



Turns system on or off using a normally open circuit. For example in home automation, BMS integration of only On/Off operation, occupancy sensor, key card switch, or lead-lag control of other heating/cooling devices.

**INTERFACE KIT**  
(Compatible with RLS3YH Series)

**Interface Kit**  
UTY-TWBOX1



Required to connect the ASU9RLS3, ASU12RLS3 and ASU15RLS3 to Wired Remotes UTY-RNNUM and UTY-RVNUM, Dry Contact Wire Kit UTY-XWZXZ5, and Simple Remote Control UTY-RSNUM.

## INTERFACE KITS

(Compatible with RLXFWH and RLXEH Series)

**Dry Contact Wire Kit\***  
UTY-XWZX



Turns system on or off using a normally open circuit. For example in home automation, BMS integration of only On/Off operation, occupancy sensor, key card switch, or lead-lag control of other heating/cooling devices.

(Compatible with System 30RLXEH)

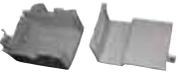
**Interface Kit**  
UTY-XCSXZ1



Required to connect ASU30RLE to Wired Touch Panel Remote UTY-RNRUZ2, Wired Remote UTY-RVNUM, Wired Remote UTY-RNNUM, Simple Remote UTY-RSNUM, Dry Contact Wire Kit UTY-XWZX, and Lead Lag Control function^.

(Compatible with System 30RLXEH)

**Interface Kit Box**  
UTZ-GXXB



Used to conceal Interface Kit UTY-XCSXZ1.

(Compatible with System 30RLXEH)

**Outdoor Unit Input/Output Connector**  
UTY-XWZXZ3



Gives the ability to limit the noise of the unit\*, stop the outdoor unit, limit power consumption\*, control the operating mode (Htg/Clg), or use output status to see if the compressor is running. You will need to order a kit for each option.

^ Wired remotes cannot be used when using this feature. This includes UTY-RNRUZ2, UTY-RVNUM, UTY-RNNUM, UTY-RSNUM.  
\* Will reduce capacity.

## MULTI-ZONE INDOOR MODEL ACCESSORIES

(Compatible with AOU18/24/36RLXFZH)

Small Wall (6, 7, 9, 12, 15k BTU)  
Large Wall (18, 24k BTU)  
Cassette  
Slim Duct  
Floor Mount

Remote Controls		Small Wall (6, 7, 9, 12, 15k BTU)	Large Wall (18, 24k BTU)	Cassette	Slim Duct	Floor Mount
UTY-RNNUM	Wired Remote Control	•*	•			•
UTY-RVNUM	Wired Remote Control	• <sup>1</sup>	• <sup>1</sup>	• <sup>1</sup>	• <sup>1</sup>	• <sup>1</sup>
UTY-RSNUM	Simple Remote Control	•*	•	•	•	•
UTY-LNHUM	Wireless Remote Control			•		
UTY-XSZX	Remote Sensor				•	
UTY-LRHUM	Receiver Unit				•	
Interface Kits						
UTY-XWZX	Dry Contact Wire Kit		•	•		
UTY-XWZXZ5	Dry Contact Wire Kit	•*				•
UTY-XCBXZ2	Interface Kit	•				
UTD-ECS5A	Slim Duct Connector Kit				•	
Fresh Air Intake Kits						
UTZ-KXGC	High Humidity Insulation Kit			•		
UTR-YDZB	Air Outlet Shutter Plate			•		
UTZ-VXAA	Fresh Air Intake Kit			•		
Miscellaneous						
K3PST	3-Pole Single Throw Safety Switch	•	•	•	•	•
UTD-GXSA-W	Auto Louver Grille Kit (for ARU9, 12)				•	
UTD-GXSB-W	Auto Louver Grille Kit (for ARU18)				•	

\* Wall mounted ASU7, 9, and 12RLF1 require accessory interface kit #UTY-XCBXZ2 in order to connect these devices to them.

<sup>1</sup> Only multi-zone models greater than specific serial numbers are compatible with UTY-RVNUM. See Service Bulletin 0031 for serial number compatibility.





Clean Air	High performance filters remove dust, odor and improve indoor air quality.
Timer	24-hour programmable timer allows for on/off cycle control of system.
Year Round Comfort	Heat pumps provide both heating and cooling for year round comfort in most climates.
Earth Friendly	Low ozone depleting potential (ODP) refrigerant R410a used in all models.
Optimized Efficiency	Compressors only run as fast as they need to handle the cooling or heating demand.
Oscillating Fan	Auto Louver redirects airflow with up and down.
Rebates	Many utility companies offer rebates for installing energy efficient equipment.
Savings	High energy efficiencies slash utility bills by up to 25%.

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