

# HI-WALL



## Units



AST7U/9U/12U



AST18U/24U/30R

## Remotes



For AST7U/9U/12U



For AST18U/24U/30R

## Outdoor Units



For AST7U/9U/12U



For AST18U/24U



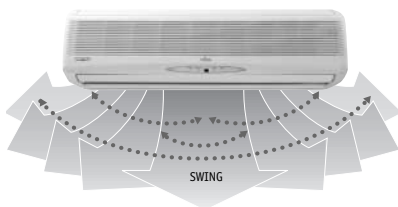
For AST30R

## Total comfort with ease of operation

Stylish & slim, these elegant Hi-Wall units complement any interior décor and are suitable for a variety of applications.

## Wide air flow with super vane

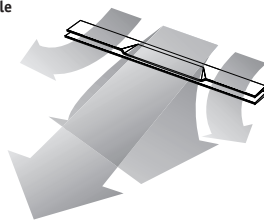
RIGHT and LEFT (AST18U/24U/30R)



\*5 steps selectable

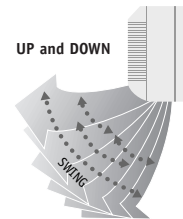
## Super Vane

Our newly developed super vane configuration boosts air flow by sending conditioned air quickly to every corner of the room.



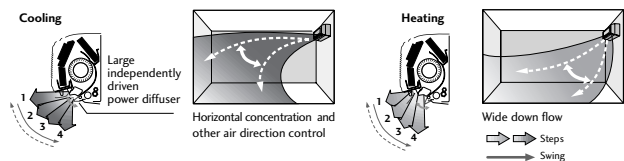
## Quiet omni-directional air flow

In all Fujitsu Hi-Wall models, control over air direction swing is made possible by the use of the up/down swing button on the remote controll.



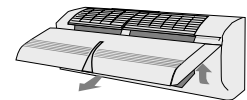
## Power diffuser

The floor level heating efficiency is considerably improved through our new design of "Power Diffuser". The combination of a power diffuser and up/down air direction panels, more comfort can be obtained.



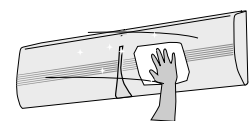
## Washable panel filter

The removable and washable panel filter is an effective air cleanser, removing mould & dust from the environment.



Cleaning of the indoor unit itself is simple due to design and shape of the casing.

The top panel can also be removed for easy cleaning if necessary.



## Outdoor unit with rust-proof plastic body (AST7/9/12)

The outdoor unit has a rust-free plastic body with sturdy design for long service life, compact size and light weight.

## Auto restart

The auto restart allows the unit to return to previous operating settings after a power failure.

## Optional filters

- Wasabi triple filter • Light-regenerated deodorising filter • Apple catchen filter

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FUJITSU

HI-WALL

## SPECIFICATIONS

		HI-WALL	HI-WALL	HI-WALL	HI-WALL	HI-WALL	HI-WALL		
Model No.	Indoor Unit	AST7USACW	AST9USACW	AST12USACW	AST18UBBJ	AST24UBBJ	AST30RBAW		
		AOT7USNC	AOT9UFAC	AOT12USAC	AOT18UNBKL	AOT24UNBKL	AOT30RMAL		
Super Power		Yes	Yes	Yes	Yes	Yes	Yes		
Moisture Removal		Yes	Yes	Yes	Yes	Yes	Yes		
Twin Flow		No	No	No	Yes	Yes	Yes		
Up/Down Swing Louvre		Yes	Yes	Yes	Yes	Yes	Yes		
Right/Left Swing		Manual	Manual	Manual	Yes	Yes	Yes		
Automatic Louvre		Yes	Yes	Yes	Yes	Yes	Yes		
Auto Shut Louvre		Yes	Yes	Yes	Yes	Yes	Yes		
Automatic Air Flow Adjustment		Yes	Yes	Yes	Yes	Yes	Yes		
Auto Restart		Yes	Yes	Yes	Yes	Yes	Yes		
Sleep Timer		Yes	Yes	Yes	Yes	Yes	Yes		
Timer		No	No	No	Yes	Yes	Yes		
Auto Changeover Mode		Yes	Yes	Yes	Yes	Yes	Yes		
Reverse Cycle System		Yes	Yes	Yes	Yes	Yes	Yes		
Standard Filter		Yes	Yes	Yes	Yes	Yes	Yes		
Optional Air Purifying Filter		No	No	No	Optional	Optional	Optional		
Electro Static Filter		No	Optional	Optional	Optional	No	No		
Cooling Capacity	Watts	2200	2600	3250	5400	6800	8000		
	BTU/h	7500	8900	11000	18400	23200	27300		
Heating Capacity	Watts	2350	2950	4050	6300	7500	8800		
	BTU/h	8000	10100	13800	21500	25600	30000		
Power Supply	Volts	240	240	240	240	240	240		
Phase-Frequency	Ph- Hz	1-50	1-50	1-50	1-50	1-50	1-50		
Power Supply Attachment		Indoor	Indoor	Indoor	Outdoor	Outdoor	Outdoor		
Plug Size	Amps	10	10	10	NA	NA	NA		
Interconnect Wires-Size		5 - 2.5	5 - 2.5	5 - 2.5	7 - 1.5	7 - 1.5	7 - 1.5		
Recommended Min Power Cable Size	mm <sup>2</sup>	2.5	2.5	2.5	4	4	4		
Running Current	Cooling Amps	4.0 (max 4.6)	4.8 (max 5.8)	5.9 (max 7.1)	8.8	10.4	13.5		
	Heating Amps	3.6 (max 4.6)	4.2 (max 5.5)	5.7 (max 6.9)	9.0	10.7	14.4		
Input	Cooling Watts	860	1090	1380	1950	2420	3140		
	Heating Watts	770	930	1330	2000	2530	3250		
Moisture Removal	l/hr	1.0	1.3	1.8	2.0	2.7	3.0		
E.E.R.	Cooling W/W	2.56	2.39	2.36	2.77	2.81	2.55		
C.O.P.	Heating W/W	3.05	3.17	3.05	3.15	2.96	2.71		
Star Rating	Cooling	2.5	2	2	3.5	3.5	2.5		
	Heating	3.5	3.5	3.5	3.5	3	2.5		
Fan Speeds		4	4	4	3	3	3		
Air Circulation	l/s	106	150	150	233	269	306		
Compressor Type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary		
Dimensions and Weights	I.U.	Height	mm	257	257	257	320	320	320
		Width	mm	808	808	808	1120	1120	1120
		Depth	mm	187	187	187	220	220	220
	O.U.	Net Weight	kg	8	8	8	16	16	16
		Height	mm	535	535	535	650	650	900
		Width	mm	650	650	695	830	830	900
		Depth	mm	250	250	250	320	320	350
		Net Weight	kg	26	28	31	52	59	80
I.U. Sound Pressure Level	H/M/L	dBa@1m	38/35/33	40/38/35	40/38/36	42/39/35	46/41/37	48/44/40	
O.U. Sound Pressure Level		dBa@1m	44	46	48	52	54	54	
O.U. Sound Power Level		dBa	59	61	63	64	65	67	
Refrigerant Type			R410A	R410A	R410A	R410A	R22		
Connection Pipe Sizes	Gas	mm	9.52	9.52	9.52	15.88	15.88	15.88	
	Liquid	mm	6.35	6.35	6.35	6.35	9.52	9.52	
Maximum Pipe Length	Metre	10	15	15	20	20	25		
Maximum Pipe Height	Metre	7.5	8	8	8	8	15		
Pipe Connection Methods			Flare	Flare	Flare	Flare	Flare		
Outdoor operating Temp	Cooling	Degrees C	21 to 43	21 to 43	21 to 43	0 to 43	0 to 43	0 to 43	
	Heating	Degrees C	-5 to 24	-5 to 24	-5 to 24	-7 to 24	-7 to 24	-5 to 24	
Soft Starter			No	No	No	Yes	Yes		

Body colour is white on all models. The heating method employed is the "Reverse Cycle Heating System" on all heating and cooling compatible models. Cooling/Heating capacities are based on AS/NZS 3823. Sound power level (cooling) is rated in accordance with AS 1217. Specifications and design subject to change without notice for further improvement. Please check with your dealer. MUST BE INSTALLED AND SERVICED BY ACCREDITED AIR CONDITIONING SPECIALIST. Recommended cable sizes are based on AS/NZS3000 and AS/NZS3008. Cooling only model specifications available upon request.

## GLOSSARY

**Super Power** – An efficient compressor and heat exchanger that quickly changes your room into a comfortable environment.

**Moisture Removal** – The in-built micro processor allows the air to be effectively dehumidified.

**Twin Flow** – Allows heated air to be directed down from the upper levels of the room, and in cooling, cool air flow is directed across the room.

**Up/Down Swing Louvre** – Up/Down swing louvre automatically swings in either direction.

**Right/Left Swing Louvre** – The right/left air louvre automatically swings in either direction.

**Automatic Louvres** – Automatically adjust themselves according to the operation mode. They can also be adjusted using the remote control.

**Auto Shut Louvre** – When the unit is switched on/off, the louvre automatically opens and closes.

**Automatic Air Flow Adjustment** – The micro-computer automatically adjusts the air flow, depending on changes in room temperature.

**Auto Restart** – Should there be a temporary loss of power, the unit will automatically restart itself in the same operating mode, once power is restored.

**Sleep Timer** – The micro processor gradually changes the room temperature, allowing you to sleep comfortably at night.

**Timer** – The timer allows you to select on/off modes.

**Weekly Timer** – Set variable on and off times each day for up to 7 days.

**Auto Changeover Mode** – The unit automatically switches between heating and cooling modes according to the temperature setting and room temperature.

**Super Wave** – The louvre automatically swings to left & right. Direction & angle can be changed easily.

**Instant Air Exchange** – Stale air is slowly removed.

**Reverse Cycle Heating System** – Your reverse cycle air conditioner heats as well as cools.

**Connectable Fresh Air Duct** – Allows introduction of fresh air to occupied space.

**Connectable Distribution Duct** – Branch duct connection for air distribution to adjacent areas.

**Energy Efficiency Ratio (E.E.R.)** – The E.E.R. shows the ratio of the cooling capacity for the input power at any given set of rating conditions. Unless indicated, this is derived from Watts/watt. (AS3823)

**Co-efficiency of Performance (C.O.P.)** – The C.O.P. shows the efficiency by giving a ratio of heating capacity for the input power at any given set of rating conditions. Unless indicated, this is derived from Watts/watt. (AS3823)

**Standard Filter** – Removes larger particles from the air to protect the air conditioner.

**Electro Static Filter** – The electro static filter cleans the air by removing invisible dust and the active charcoal element absorbs odours.

**Wasabi Triple Filter** – Fujitsu's anti-bacterial Wasabi triple filter eliminates pollen, mould and household dust. Perfect for pet lovers and asthmatics.

**Air Purifying Filter** – The air purifying filter traps fine dust as small as 0.01 microns, to purify and deodorise the air.

**UV and Autoclean Filter** – Fujitsu has developed the world's first autoclean filter system which allows the air conditioner to clean itself automatically so your Fujitsu Comfort will always be pure and clean.

**Air Cleaning Filter** – The air cleaning filter cleans the air by electrostatically removing invisible dust.

**Soft Starter** – Allows economical and quiet compressor start up.