DUCTED

Units

ART30/36/45/54LUAK

Outdoor Units

AOT30/36

AOT45/54

Remotes

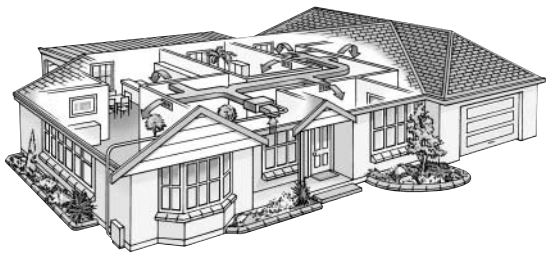
Wired Controller (with weekly timer)

Wired Remote Temperature Sensor

Simplified Wired Controller

Invisible comfort

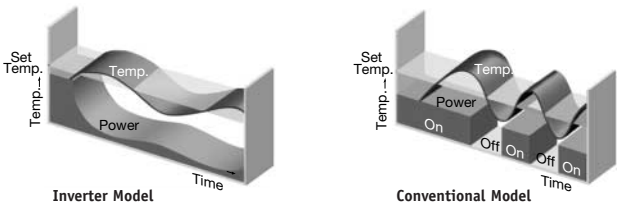
Whatever shape of the room, ducted units create uniform temperatures throughout. The unit is totally concealed, usually within a ceiling void. Cool or warm air is then ducted into each room through outlets positioned in the walls, floor or ceiling. Easily controlled, Fujitsu's ducted systems can provide comfort throughout your house.



Inverter control

The Inverter component allows the outdoor unit to vary its speed and output to match the required capacity of the indoor unit. Thus, the Inverter model can achieve 30% more operating efficiency than conventional models and therefore, is much cheaper to run.

Power and Speed

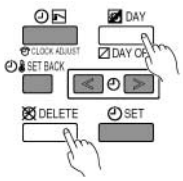


Highly efficient R410A refrigerant

The R410A refrigerant, which is used in Fujitsu's ducted inverter units, has zero ozone layer depletion potential as it contains no chlorine. R410A also provides excellent stability and low toxity, as well as offering superior energy saving.

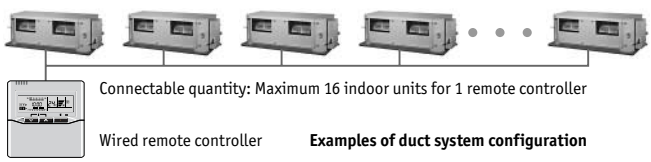
Child lock function

Simply pressing a combination of buttons on the standard wired remote controller, locks and unlocks the keypad, stopping accidental and unauthorised use.



Group controller

One remote controller can control up to 16 air conditioners.
All of the air conditioners will be operated with the same settings.



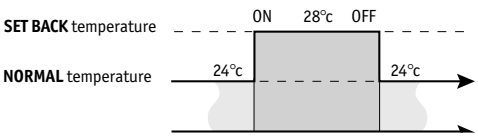
Connectable quantity: Maximum 16 indoor units for 1 remote controller

Wired remote controller

Examples of duct system configuration

Temperature set back timer

Use this timer function to change the set temperature in the operation times set for each day of the week. This can be used together with other timer settings.



Dual remote controllers (optional)

An additional controller can be added up to the maximum of two remote controllers. Either remote controller can control the air conditioner. However, the timer functions cannot be used at the slave unit.

DUCTED

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FUJITSU

SPECIFICATIONS

Type			INVERTER HIGH STATIC	INVERTER HIGH STATIC	INVERTER HIGH STATIC	INVERTER HIGH STATIC
Model No.	Indoor Unit		ART30LUAK	ART36LUAK	ART45LUAK*	ART54LUAK*
	Outdoor Unit		AOT30LMBDL	AOT36LMADL	AOT45LJAYL	AOT54LJAYL
Super Power			Yes	Yes	Yes	Yes
Moisture Removal			Yes	Yes	Yes	Yes
Automatic Air Flow Adjustment			Yes	Yes	Yes	Yes
Auto Restart			Yes	Yes	Yes	Yes
Timer			Weekly + Setback	Weekly + Setback	Weekly + Setback	Weekly + Setback
Auto Changeover Mode			Yes	Yes	Yes	Yes
Reverse Cycle System			Yes	Yes	Yes	Yes
Connectable Fresh Air Duct			Yes	Yes	Yes	Yes
Simplified Wired Controller		Option	UTB-TPB	UTB-TPB	UTB-TPB	UTB-TPB
Wired Remote Temperature Sensor		Option	UTD-RS100F	UTD-RS100F	UTD-RS100F	UTD-RS100F
Cooling Capacity		Watts	2700-9800	2700-10500	3600-14000	3600-15550
		BTU/h	30000 (9200-33500)	34100 (9200-36000)	42700 (3600-47800)	49500 (12300-52900)
Heating Capacity		Watts	3000-11000	3000-12100	4700-16000	4700-18000
		BTU/h	31400 (10200-37600)	34100 (10200-41300)	54600 (47800-54600)	54600 (16000-61500)
Power Supply		Volts	240	240	240	240
Phase-Frequency		Ph- Hz	1-50	1-50	1-50	1-50
Power Supply Attachment			Outdoor	Outdoor	Outdoor	Outdoor
Interconnect Wires-Size			4 - 1.5	4 - 1.5	4 - 2.5	4 - 2.5
Recommended Min Power Cable Size		mm²	4	4	6	6
Running Current	Cooling	Amps	13.8 (4.6-17.3)	16.7 (4.6-17.6)	18.2 (7.1-21.7)	22.6 (7.1-25.3)
	Heating	Amps	10.9 (4.3-17.3)	11.7 (4.3-17.6)	16.1 (6.3-20.1)	20.1 (6.3-25.3)
Input	Cooling	Watts	3300 (1080-4150)	4000 (1080-4200)	4350 (1700-5200)	5400 (1700-6060)
	Heating	Watts	2600 (1000-4150)	2800 (1000-4200)	3850 (1500-4800)	4800 (1500-6060)
Moisture Removal		l/hr	3	3	2	3
E.E.R.	Cooling		2.67	2.50	2.87	2.69
C.O.P.	Heating		3.54	3.57	3.64	3.33
Star Rating	Cooling		3 @ 8800W	2.5 @ 10000W	3.5 @ 12500W	3 @ 14500W
	Heating		5 @ 9200W	5 @ 10000W	5 @ 14000W	4 @ 16000W
Air Circulation		L/s	700	700	980	980
Ex Static Pressure		Pa	200	200	100-250	100-250
Compressor Type			DC Twin Rotary	DC Twin Rotary	DC Scroll	DC Scroll
Dimensions and Weights	I.U.	Height mm	400	400	400	400
		Width mm	1150	1150	1150	1150
		Depth mm	500	500	500	500
		Net Weight kg	55	55	55	55
	O.U.	Height mm	900	900	1295	1295
		Width mm	900	900	900	900
		Depth mm	350	350	330	330
		Net Weight kg	70	71	98	98
Ductwork Connection Size	Supply	mm	850 x 295	850 x 295	850 x 295	850 x 295
	Return	mm	865 x 325	865 x 325	865 x 325	865 x 325
I.U. Sound Pressure Level		dBA@1m	45	45	49	49
O.U. Sound Pressure Level		dBA@1m	53	53	53	53
O.U. Sound Power Level		dB(A)	65	65	65	65
Refrigerant Type			R410A	R410A	R410A	R410A
Connection Pipe Sizes	Gas	mm	15.88	15.88	15.88	15.88
	Liquid	mm	9.52	9.52	9.52	9.52
Maximum Pipe Length		Metre	35	35	50	50
Maximum Pipe Height		Metre	20	20	30	30
Pre-Charge Piping Length		Metre	10	10	10	10
Pipe Connection Methods			Flare	Flare	Flare	Flare
Outdoor Operating Temp	Cooling	Degrees C	10 to 43	10 to 43	10 to 43	10 to 43
	Heating	Degrees C	-10 to 21	-10 to 21	-10 to 24	-10 to 24

*Available 2005

The heating method employed is the "Reverse Cycle Heating System" on all heating and cooling compatible models. 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/heating capacities are based on AS/NZS3823.

(Cooling) Indoor temp. : 27°C DB/19°C WB
Outdoor temp. : 35°C DB/24°C WB

(Heating) Indoor temp. : 20°C DB
Outdoor temp. : 7°C DB/6°C WB

EXPLANATION OF HEAT PUMP TERMS

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.