

DUCTED THREE PHASE



Units



ART36/45/60RUAK



ART90TLC3



ART36U/45U

Remotes



Wired Remote Temperature Sensor



Wired Controller



Wired Simplified Type Remote



Wired Controller (with weekly timer)

Outdoor Units



For ART36/45RUAK



For ART36U/45U/60 RUAK



For ART90TLC3

Scroll compressor

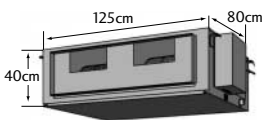
The latest technology scroll compressor has less vibration and allows for quieter operation of the outdoor unit.

Auto restart

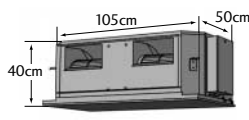
The auto restart allows the unit to return to previous operating settings after a power failure.

Compact high static ducted features (RUAK) Easy installation (compact size & light weight).

Considerable improvement of installation in the ceiling by compact size & light weight materials.



CURRENT MODEL: 75kg



NEW MODEL: 50kg

Commercial mode*

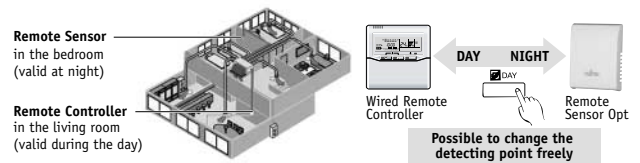
By enabling the indoor unit's internal controls, you can achieve a continual fan operation in the heating mode, as required for commercial installations.

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.

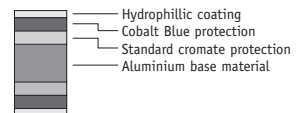
Room temperature sensor selection*

- Remote controller has remote sensor included.
- User can select between remote controller sensor and/or return air sensor or remote sensor.



Cobalt blue heat exchanger*

The outdoor unit fins are coated with a blue corrosion resistant material to enhance durability and extend performance life of your air conditioner.



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.



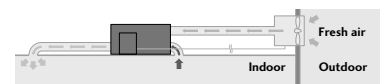
Simplified wired remote controller*

This controller can be used as an option slave controller for dual comfort. It offers easier operation and backlit display.

Advanced features*

1. FRESH AIR OUTPUT PORT.

Fresh air is connected with the fan of an indoor unit.



2. ELECTRICAL HEATER OUTPUT PORT.

Electrical heater operates at the time of heating.



3. External input port. Start/stop of the air conditioner can be changed from the external equipment.

* RUAK models.

Fujitsu General New Zealand Limited. A Subsidiary of FUJITSU GENERAL LIMITED.

Level 1, 8-10 Fitzherbert Street, Petone, Wellington, New Zealand.

Tel: (04) 568 8761 Fax: (04) 568 8763 • www.fujitsugeneral.co.nz • Email: contact@fujitsugeneral.co.nz



FUJITSU

THREE PHASE DUCTED

SPECIFICATIONS

Type		HIGH STATIC	HIGH STATIC	HIGH STATIC	HIGH STATIC	SLIM-LINE	SLIM-LINE	
Model No.	Indoor Unit	ART36RUAUK	ART45RUAUK	ART60RUAUK	ART90TLC3	ART36UUAN	ART45UUAN	
	Outdoor Unit	AOT36RPAFT	AOT45RPAFT	AOT60RPAGT	AOT90TPC3L	AOT36UNAXT	AOT45UMAXT	
Super Power		Yes	Yes	Yes	Yes	Yes	Yes	
Moisture Removal		Yes	Yes	Yes	Yes	Yes	Yes	
Automatic Air Flow Adjustment		Yes	Yes	Yes	Yes	Yes	Yes	
Auto Restart		Yes	Yes	Yes	Yes	Yes	Yes	
Timer		Weekly + Setback	Weekly + Setback	Weekly + Setback	Weekly	Weekly + Setback	Weekly + Setback	
Auto Changeover Mode		Yes	Yes	Yes	No	Yes	Yes	
Standard Filter		No	No	No	No	No	No	
Reverse Cycle System		Yes	Yes	Yes	Yes	Yes	Yes	
Connectable Distribution Duct		Yes	Yes	Yes	Yes	Yes	Yes	
Simplified Wired Controller	Option	UTB-TPB	UTB-TPB	UTB-TPB	No	UTB-TPB	UTB-TPB	
Wired Remote Sensor	Option	UTD-RS100F	UTD-RS100F	UTD-RS100F	UTD-RS100F	UTD-RS100F	UTD-RS100F	
Cooling Capacity	Watts	10500	12700	17000	26400	10500	12700	
	BTU/h	36000	43500	58000	87000	35800	43400	
Heating Capacity	Watts	10700	13700	18200	29500	12500	14300	
	BTU/h	36500	47000	62000	100000	42700	48800	
Power Supply	Volts	415	415	415	415	415	415	
Phase-Frequency	Ph- Hz	3-50	3-50	3-50	3-50	3-50	3-50	
Power Supply Attachment		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	
Interconnect Wires-Size		4 - 1.5	4 - 1.5	4 - 1.5	4 - 2.5	4 - 1.5	4 - 1.5	
Recommended Min Power Cable Size	mm ²	2.5	2.5	2.5	2.5	2.5	2.5	
Running Current	Cooling Amps	7.2	8.3	9.8	19.5	6.1	7.5	
	Heating Amps	6.3	8.1	8.7	19.5	6.3	7.5	
Input	Cooling Watts	4300	4570	6000	10100	3650	4450	
	Heating Watts	3400	4350	5150	10100	3750	4350	
Moisture Removal	L/hr	3.1	4.5	6.5	7.5	4	5.5	
E.E.R.	Cooling	2.44	2.78	2.83	2.6	2.88	2.85	
C.O.P.	Heating	3.15	3.15	3.53	2.92	3.33	3.25	
Air Circulation	L/s	700	780	1000	1200	528	555	
Ex Static Pressure	Pa	100-200	100-200	100-250	100-300	30-150	30-150	
Compressor Type		Scroll	Scroll	Scroll	Scroll	Twin-Rotary	Scroll	
Dimensions and Weights	I.U.	Height mm	400	400	400	450	270	270
		Width mm	1050	1050	1050	1550	1135	1135
		Depth mm	500	500	500	700	700	700
		Net Weight kg	45	45	50	85	43	45
	O.U.	Height mm	1152	1152	1355	1380	1170	1170
		Width mm	940	940	940	1300	900	900
		Depth mm	370	370	370	650	330	330
		Net Weight kg	100	110	129	245	100	115
		Supply mm	850 x 295	850 x 295	850 x 295	1200 x 350	1065 x 202	1065 x 202
		Return mm	865 x 325	865 x 325	865 x 325	1250 x 370	1015 x 240	1015 x 240
I.U. Sound Pressure Level	dB(A)@1m	45	46	49	50	43	44	
O.U. Sound Pressure Level	dB(A)@1m	55	56	57	59	54	55	
O.U. Sound Power Level	dB(A)	67	68	68	70	66	67	
Refrigerant Type		R22	R22	R22	R407C	R410A	R410A	
Connection Pipe Sizes	Gas mm	19.05	19.05	19.05	28.58	15.88	19.05	
	Liquid mm	9.52	9.52	9.52	12.7	9.52	9.52	
Maximum Pipe Length	Metre	50	50	50	50	50	50	
Maximum Pipe Height	Metre	30	30	30	30	30	30	
Pre-Charge Piping Length	Metre	7.5	7.5	20	30	20	20	
Pipe Connection Methods		Flare	Flare	Flare	Flare/Flange	Flare	Flare	
Outdoor Operating Temp	Cooling Degrees C	0 to 46	0 to 46	0 to 46	0 to 52	0 to 43	0 to 43	
	Heating Degrees C	-8 to 24	-8 to 24	-8 to 24	-10 to 21	-10 to 24	-10 to 24	

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 only model specifications available upon request. 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

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.