

NEW PRODUCT RELEASE

Split Air Conditioner Medium Static Duct

Model:

- ARXG12KHTAP / AOEG12KBTB
- ARXG14KHTAP / AOEG14KBTB
- ARXG18KHTAP / AOEG18KBTB
- ARXG22KHTAP / AOEG22KBTB
- ARXG24KHTAP / AOEG24KBTB
- ARXG30KHTAP / AOEG30KBTB



ARXG12/14KHTAP



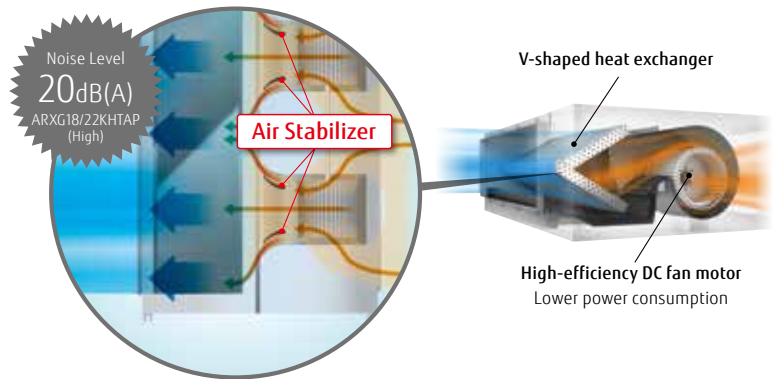
ARXG18/22/24/30KHTAP



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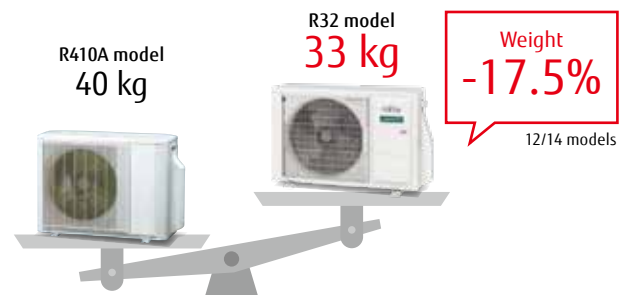
High-efficiency & Quiet operation

The combination of the V-shaped heat exchanger, air stabilizer, and the high-efficiency DC fan motor enable high-efficiency and quiet operation.



Small, lightweight outdoor unit

The outdoor unit in this series is smaller and lighter than previous-generation outdoor units. It can be installed in a narrow space.



Automatic airflow adjustment function

This unique and innovative function detects required air flow in each application case and automatically adjust the volume.

Automatically adjust !



Link up with a variety of central control system (Option)

Centralized control including facilities and equipment in addition to air conditioning is possible by linking up with MODBUS, KNX interfaces.





ARXG12/14KHTAP



ARXG18/22/24/30KHTAP



For ARXG12/14KHTAP



For ARXG18/22KHTAP



For ARXG24KHTAP



For ARXG30KHTAP

Specifications

Model name	Indoor unit		ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	
	Outdoor unit		AOEG12KBTB	AOEG14KBTB	AOEG18KBTB	AOEG22KBTB	AOEG24KBTB	AOEG30KBTB	
Power Source	Single phase, ~230 V, 50 Hz								
Capacity	Cooling	kW	3.5	4.3	5.2	6.0	6.8	8.5	
	Heating		4.1	5.0	6.0	7.0	7.5	10.0	
UK Total Cooling / UK Sensible Cooling			3.39 / 2.96	4.12 / 3.53	5.01 / 4.09	5.85 / 4.75	6.63 / 5.13	8.08 / 6.39	
Input Power	Cooling/Heating	kW	0.87 / 1.00	1.17 / 1.25	1.36 / 1.56	1.71 / 1.81	1.89 / 1.85	2.65 / 2.63	
EER	Cooling	W/W	4.02	3.68	3.82	3.51	3.60	3.21	
COP	Heating		4.10	4.00	3.85	3.87	4.06	3.80	
Pdesign	Cooling/Heating (-10°C)	kW	3.5 / 3.4	4.3 / 3.8	5.2 / 4.4	6.0 / 4.8	6.8 / 6.0	8.5 / 8.0	
SEER	Cooling	W/W	6.30	6.20	6.50	6.50	6.50	6.23	
SCOP	Heating (Average)		4.10	4.00	4.10	4.20	4.10	4.00	
Energy Efficiency Class	Cooling	A++							
	Heating (Average)	A+							
Annual Energy Consumption	Cooling	kWh/a	194	243	280	323	366	477	
	Heating		1,159	1,328	1,501	1,597	2,048	2,796	
Moisture Removal		l/h	0.7	0.9	1.2	1.5	1.8	2.3	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	32/27/26/24						
	Indoor (Heating)	H/M/L/Q	33/28/27/25						
Sound Power Level	Outdoor (Cooling/Heating)	High	47/47						
	Indoor (Cooling/Heating)	High	57/58						
Airflow Rate	Indoor/Outdoor (Cooling)	High	850/1,580						
	Indoor/Outdoor (Heating)	High	850/1,520						
Static pressure range (Standard)		Pa	30 to 200 (35)		30 to 200 (35)		30 to 200 (35)		
Net Dimensions H x W x D	Indoor	mm	300 × 700 × 700		300 × 1,000 × 700		300 × 1,000 × 700		
	Outdoor	mm	542 × 799 × 290		632 × 799 × 290		716 × 820 × 315		
Weight	Indoor	kg	27		35		36		
	Outdoor	kg	33		36		42		
Remote Controller Type	NO CONTROLLER SUPPLIED WITH THESE UNITS PLEASE ORDER SEPARATELY								
Interconnecting Cable (Suggested cable size 1.5mm)	3 Core + Earth								
Suggested MCB Size		A	10	16	16	16	16	25	
Max. Operating Current	Cooling/Heating	A	9.7	10.2	12.1	12.6	13.6	22.6	
Power Supply To	Outdoor								
Connection Pipe Diameter (Liquid/Gas)		Inch	1/4 & 3/8		1/4 & 1/2		3/8 & 5/8		
Max. Pipe Length (Pre-Charge)		m	25 (15)		30 (20)		50 (30)		
Max. Height Difference			20		20		25		
Refrigerant	Type (Global Warming Potential)	R32 (675)							
	Charge (CO ₂ eq-T)	g	850 (0.574)		1020 (0.689)		1250 (0.844)		
Operating Range	Cooling	°CDB	20		20		20		
	Heating		-15 to 46						
			-15 to 24						

Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page M-102 to M-103.

Wired Remote Controller (Design type):	UTY-RVRY	Long-life filter:	UTD-LFNB (18-30)	External input and output PCB:	UTY-XCSX
Compact wired remote controller:	UTY-RCRYZ1		UTD-LFNC (12-14)	External connect kit:	UTY-XWZXZG
Wired remote controller (touch panel):	UTY-RNRYZ5	Silver Ion Filter:	UTD-HFNB (18-30)	External input and output PCB bracket:	UTZ-GXNA
Wired remote controller:	UTY-RVNYM		UTD-HFNC (12/14)	Network Converter for single split (DC power supply type):	UTY-VTGX
Simple remote controller (without operation mode):	UTY-RHRY	WLAN adaptor:	UTY-TFSXJ3	Network Converter for single split (AC power supply type):	UTY-VTGXV
Simple remote controller:	UTY-RSRY		FG-AC-WIFI1Z1	External switch controller:	UTY-TERX
Wireless Remote Controller:	UTY-LNTY	KNX® Converter:	UTY-VKSX		
IR Receiver Unit:	UTY-LBTYM	MODBUS® Converter:	UTY-VMSX	(Outdoor unit 30)	
Remote sensor unit:	UTY-XSZXZ1	BACnet® Converter:	FG-AC-BAC1Z1	External connect kit:	UTY-XWZXZ3

Dimensions

(Unit: mm)

