

NEW PRODUCT RELEASE

Split Air Conditioner Medium Static Duct

Model (1 Phase):

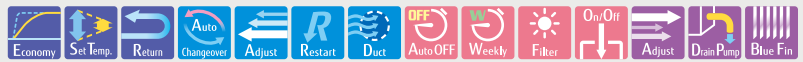
ARXG36KHTAP / AOEG36KBTB
 ARXG45KHTAP / AOEG45KBTB
 ARXG54KHTAP / AOEG54KBTB

Model (3 Phase):

ARXG36KHTAP / AOEG36KRTA
 ARXG45KHTAP / AOEG45KRTA
 ARXG54KHTAP / AOEG54KRTA



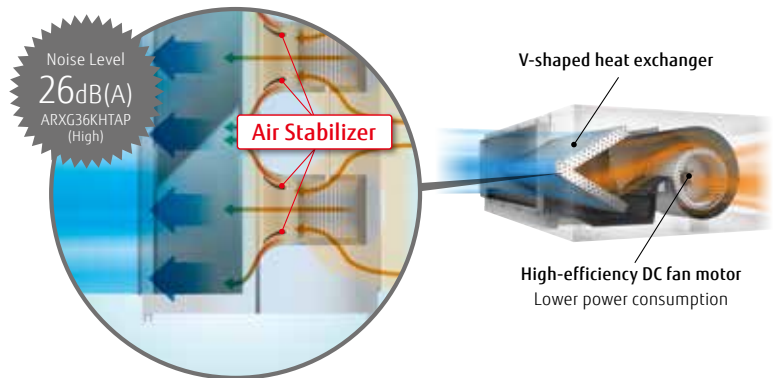
ARXG36/45/54KHTAP



(36/45/54)

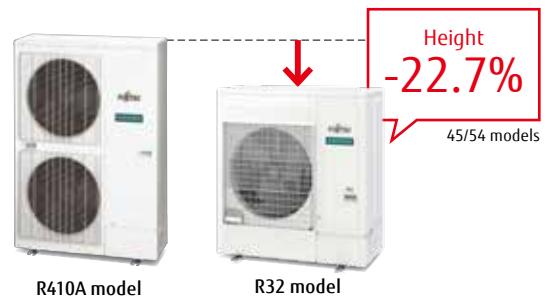
High-efficiency & Quiet operation

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.





ARXG36/45/54KHTAP



For ARXG36KHTAP



For ARXG45/54KHTAP

Specifications

Model name	Indoor unit		ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP	ARXG36KHTAP		ARXG45KHTAP		ARXG54KHTAP	
	Outdoor unit		AOEG36KBTB	AOEG45KBTB	AOEG54KBTB	AOEG36KRTA	AOEG45KRTA	AOEG54KRTA			
Power Source	Single phase, ~230 V, 50 Hz					3-phase, ~400 V, 50 Hz					
Capacity	Cooling	kW	9.5	12.1	13.4	9.5	12.1	13.4			
	Heating		10.8	13.5	15.5	10.8	13.5	15.5			
UK Total Cooling / UK Sensible Cooling			9.03 / 7.50	11.54 / 9.52	12.78 / 10.40	9.03 / 7.50	11.54 / 9.52	12.78 / 10.40			
Input Power	Cooling/Heating	kW	2.86 / 2.48	3.53 / 3.37	4.42 / 3.89	2.86 / 2.48	3.53 / 3.37	4.42 / 3.89			
EER	Cooling	W/W	3.32	3.43	3.03	3.32	3.43	3.03			
COP	Heating	W/W	4.35	4.01	3.98	4.35	4.01	3.98			
Pdesign	Cooling/Heating (-10°C)	kW	9.5 / 8.7	-	-	9.5 / 8.7	-	-			
SEER	Cooling	W/W	6.10	5.83*	5.81*	6.10	5.83*	5.81*			
SCOP	Heating (Average)	W/W	4.20	3.87*	3.85*	4.20	3.87*	3.85*			
Energy Efficiency Class	Cooling		A++	-	-	A++	-	-			
	Heating (Average)		A+	-	-	A+	-	-			
Annual Energy Consumption	Cooling	kWh/a	544	-	-	544	-	-			
	Heating	kWh/a	2,898	-	-	2,898	-	-			
Moisture Removal			l/h	2.0	2.6	3.7	2.0	2.6	3.7		
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	36/31/28/26			36/31/28/26			36/31/28/26		
	Indoor (Heating)	H/M/L/Q	33/31/28/26			33/31/28/26			33/31/28/26		
Sound Power Level	Indoor (Cooling/Heating)	High	55/55			57/57			57/59		
	Indoor (Cooling/Heating)	High	64/63			67/69			67/69		
Airflow Rate	Indoor/Outdoor (Cooling)	High	2,050/3,750			2,550/4,450			2,550/4,450		
	Indoor/Outdoor (Heating)	High	1,850/3,750			2,550/4,450			2,550/4,450		
Static pressure range (Standard)			Pa	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)	30-200 (47)	30-200 (60)	30-200 (60)		
Net Dimensions H x W x D	Indoor	mm	300 × 1,400 × 700			300 × 1,400 × 700			300 × 1,400 × 700		
	Outdoor	mm	788 × 940 × 320			998 × 940 × 320			998 × 940 × 320		
Weight	Indoor	kg	46			46			46		
	Outdoor	kg	52			67			67		
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	25	30	30	16	16	16		
Max. Operating Current	Cooling/Heating	A	22.6	28.5	28.5	10.5	14.0	14.0			
Power Supply To	Outdoor										
Connection Pipe Diameter (Liquid/Gas)			Inch	3/8 & 5/8			3/8 & 5/8				
Max. Pipe Length (Pre-Charge)			m	50 (30)			50 (30)				
Max. Height Difference				30			30				
Refrigerant	Type (Global Warming Potential)		R32 (675)								
	Charge (CO2eq-T)	g	1900 (1.283)			2700 (1.823)			1900 (1.283)		2700 (1.823)
Operating Range	Cooling	°CDB	-15 to 46			-15 to 46			-15 to 46		
	Heating	°CDB	-15 to 24			-15 to 24			-15 to 24		

* calculated result

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	Remote sensor unit:	UTY-XSZXZ1	External input and output PCB:	UTY-XCSX
Compact wired remote controller:	UTY-RCRYZ1	Long-life filter:	UTD-LFNA (36-54)	External connect kit:	UTY-XWZXZG
Wired remote controller (touch panel):	UTY-RNRYZ5	Silver Ion Filter:	UTD-HFNA (36-54)	External input and output PCB bracket:	UTZ-GXNA
Wired remote controller:	UTY-RVNYM	WLAN adapter:	UTY-TFSXJ3	Network Converter for single split (DC power supply type):	UTY-VTGX
Simple remote controller (without operation mode):	UTY-RHRY		FG-AC-WIF1Z1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Simple remote controller:	UTY-RSRY	KNX® Converter:	UTY-VKXS	External switch controller:	UTY-TERX
Wireless Remote Controller:	UTY-LNTY	MODBUS® Converter:	UTY-VMSX		
IR Receiver Unit:	UTY-LBTYM	BACnet® Converter:	FG-AC-BAC1Z1	(Outdoor unit 36/45/54)	
				External connect kit:	UTY-XWZXZ3

Dimensions

(Unit: mm)

