

NEW PRODUCT RELEASE

Split Air Conditioner Under Ceiling

Model (1 phase):

ABEG18KRTA / AOEG18KATA
ABEG22KRTA / AOEG22KATA
ABEG24KRTA / AOEG24KATA
ABEG30KRTA / AOEG30KATA
ABEG36KRTA / AOEG36KATA
ABEG45KRTA / AOEG45KATA

Model (3 phase):

ABEG36KRTA / AOEG36KQTA
ABEG45KRTA / AOEG45KQTA



(30/36/45/54)

Light elegant design

The light-elegant, gently curved surface gives a sense of comfort and well-being.



Easy installation

The indoor unit can be easily installed under the ceiling thanks to the uniquely designed mounting kit.

1. Set mounting brackets

2. Hold up the ceiling unit and fit to the mounting brackets

3. Attach with screws

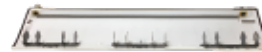


Easy maintenance

The front panel can be opened without removing it for safe & speedy maintenance.



The drain pan can be removed for cleaning.



Components in the control box can be easily accessed from the wide side opening.



Flexible installation

The drain hose and pipe can be contained in the casing and connected in the right, left, angled, or downward direction.



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.



Central Control System



Specifications

Model name	Indoor unit		ABEG18KRTA	ABEG22KRTA	ABEG24KRTA	ABEG30KRTA	ABEG36KRTA	ABEG45KRTA	ABEG36KRTA	ABEG45KRTA	
	Outdoor unit		AOEG18KATA	AOEG22KATA	AOEG24KATA	AOEG30KATA	AOEG36KATA	AOEG45KATA	AOEG36KQTA	AOEG45KQTA	
Power Source	Single phase, ~230 V, 50 Hz						3-phase, ~400 V, 50 Hz				
Capacity	Cooling	kW	5.2	6.0	6.8	8.5	9.5	12.1	9.5	12.1	
	Heating	kW	6.0	7.0	7.5	10.0	10.8	13.5	10.8	13.5	
Input Power	Cooling/Heating	kW	1.66/1.71	1.95/2.09	2.19/2.00	2.78/2.86	3.13/3.03	4.84/4.18	3.13/3.03	4.84/4.18	
EER	Cooling	W/W	3.13	3.08	3.11	3.06	3.04	2.50	3.04	2.50	
COP	Cooling	W/W	3.51	3.35	3.75	3.5	3.56	3.23	3.56	3.23	
	Heating	W/W	5.2/3.8	6.0/4.4	6.8/5.4	8.5/8.0	9.5/8.7	-	9.5/8.7	-	
SEER	Cooling	W/W	5.8	5.6	6.0	5.8	5.6	5.2*	5.6	5.2*	
	Heating	W/W	3.8	3.8	3.9	3.9	3.9	3.8*	3.9	3.8*	
SCOP	Cooling	W/W	A+	A+	A+	A+	A+	-	A+	-	
	Heating	W/W	A	A	A	A	A	-	A	-	
Max. Operating Current	Cooling/Heating	A	10.1/10.1	11.6/11.6	12.6/12.6	22.5/22.5	22.5/22.5	28.1/28.1	10.5/10.5	13.6/13.6	
	Cooling	kWh/a	538	375	679	512	594	-	594	-	
Annual Energy Consumption	Cooling	kWh/a	1,398	1,618	1,935	2,871	3,117	-	3,117	-	
	Heating	kWh/a	2.0	2.5	2.2	3.0	2.6	4.5	2.6	4.5	
Moisture Removal	Indoor (Cooling)	H/M/L/Q	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34	
	Indoor (Heating)	H/M/L/Q	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34	
Sound Pressure Level	Outdoor (Cooling/Heating)	High	51/52	52/53	54/55	53/55	55/55	58/59	55/55	58/59	
	Indoor (Cooling/Heating)	High	53/53	57/57	56/56	60/60	59/59	60/60	59/59	60/60	
Sound Power Level	Outdoor (Cooling/Heating)	High	63/64	64/65	66/67	68/69	70/70	72/73	70/70	72/73	
	Indoor/Outdoor (Cooling)	High	840/1,710	900/2,240	1,230/2,885	1,400/3,750	1,850/3,750	1,900/4,450	1,850/3,750	1,900/4,450	
Airflow Rate	Indoor/Outdoor (Heating)	High	840/1,840	900/2,240	1,230/2,350	1,400/3,750	1,800/3,750	1,850/4,450	1,800/3,750	1,850/4,450	
	Indoor	mm	235 × 1,080 × 705	235 × 1,390 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705	
Net Dimensions H x W x D	Outdoor	mm	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	788 × 940 × 320	788 × 940 × 320	988 × 940 × 320	788 × 940 × 320	998 × 940 × 320	
	Indoor	kg	24	24	31	31	38	38	38	38	
Weight	Indoor	kg	33	36	38	52	52	61	53	62	
	Outdoor	kg	33	36	38	52	52	61	53	62	
Remote Controller Type	NO CONTROLLER SUPPLIED WITH THESE UNITS PLEASE ORDER SEPARATELY										
Interconnecting Cable (Suggested cable size 1.5mm)	3 Core + Earth						3 Core + Earth				
Suggested MCB Size	A	16	16	16	25	25	32	16	16		
Max. Operating Current	Cooling/Heating	A	10.1	11.6	12.6	22.5	22.5	28.1	10.5	13.6	
Power Supply To	Outdoor						Outdoor				
Connection Pipe Diameter (Liquid/Gas)	Inch	1/4 & 1/2	1/4 & 1/2	1/4 & 1/2	3/8 & 5/8		3/8 & 5/8				
Max. Pipe Length (Pre-Charge)	m	20 (15)	25 (15)	25 (20)	30 (30)		30 (30)				
Max. Height Difference	m	15	20	20	30		30				
Refrigerant	Type (Global Warming Potential)	R32 (675)									
	Charge (CO2eq-T)	g	900 (0.608)	1100 (0.743)	1250 (0.844)	1900 (1.283)	1900 (1.283)	2400 (1.620)	1,900 (1.283)	2400 (1.620)	
Additional Charge	g/m	20	20	20	-	-	-	-	-		
	Operating Range	Cooling	-10 to 46						-10 to 46		
Operating Range	Heating	-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

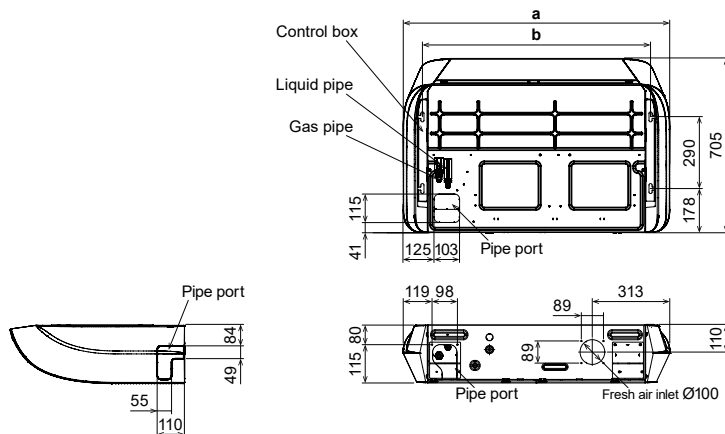
Wired Remote Controller (Design type): UTY-RVRY
 Compact wired remote controller: UTY-RCRYZ1
 Wired remote controller (touch panel): UTY-RNRYZ5
 Simple remote controller (without operation mode): UTY-RHRY
 Simple remote controller: UTY-RSRY
 External input and output PCB: UTY-XCSX
 External input and output PCB box: UTZ-GXEA

WLAN adapter: UTY-TFSXJ3
 FG-AC-WIF121
 Drain pump unit: UTR-DPB24T
 IR receiver unit: UTY-LBTYH
 L-type piping kit: UTP-FX24A (18/22/24)
 UTP-FX35A (30/36/45/54)
 Communication kit: UTY-TWRXZ3

Network Converter for single split (DC power supply type): UTY-VTGX
 Network Converter for single split (AC power supply type): UTY-VTGXV
 External switch controller: UTY-TERX
 External connect kit: UTY-XWZXZG
 Wireless Remote Controller: UTY-LNTY
 (Outdoor unit 30/36/45/54)
 External connect kit: UTY-XWZXZ3

Dimensions

(Unit: mm)



	ABEG 18/22KRTA	ABEG 24/30KRTA	ABEG 36/45/54 KRTA
a	1,080	1,390	1,700
b	923	1,233	1,543