

Ceiling



Light Elegant Design

Light-elegant and three-dimensional expression composed of curved surface gives comfort and wellbeing.



Flexible installation

Drain hose and piping can be set in the casing and drawn out flexibly in the right, left, side and down directions.



Easy installation

The indoor unit can be easily installed under the ceiling due to the new designed mounting.

1. Set mounting brackets
2. Hold up the ceiling and fit the ceiling to the mounting brackets
3. Attach with screws



Easy maintenance

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

Drain pan can be taken off for cleaning.

Components in the control box can be easily accessed from the widely open side.



Model : ABYG18KRTA / ABYG22KRTA / ABYG24KRTA / ABYG30KRTA / ABYG36KRTA / ABYG45KRTA
 ABYG36KRTA [3 phase] / ABYG45KRTA [3 phase] / ABYG54KRTA [3phase]



Specifications

Model No.	Indoor unit		Single phase, ~230V, 50Hz				3 phase, ~400V, 50Hz		
	Outdoor unit		ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	ABYG54KRTA
Power Source			Single phase, ~230V, 50Hz				3 phase, ~400V, 50Hz		
Capacity	Cooling	kW	5.2(0.9-5.9)	6.0(0.9-6.7)	6.8(0.9-8.0)	8.5(2.8-10.0)	9.5(2.8-11.2)	12.1(4.0-13.5)	13.4(4.5-14.5)
	Heating		6.0(0.9-7.5)	7.0(0.9-8.0)	7.5(0.9-9.1)	10.0(2.7-11.2)	10.8(2.7-12.7)	13.5(4.2-16.2)	15.5(4.7-16.5)
Input Power	Cooling/Heating	kW	1.55/1.62	1.87/1.95	2.14/1.97	2.65/2.77	2.96/2.88	4.22/3.84	4.45/4.43
			3.35	3.21	3.18	3.21	3.21	2.87	3.21
EER	Cooling	W/W	3.35	3.21	3.18	3.21	3.21	2.87	3.21
	Heating		3.70	3.59	3.81	3.61	3.75	3.52	3.75
COP	Cooling	W/W	3.35	3.21	3.18	3.21	3.21	2.87	3.21
	Heating		4.1	4.0	4.1	4.0	4.21	-	4.21
Pdesign	Cooling/Heating(-10°C)	kW	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	9.5/8.7
			6.2	6.1	6.2	6.1	6.37	-	6.37
SEER	Cooling	W/W	6.2	6.1	6.2	6.1	6.37	-	6.37
	Heating (Average)		4.1	4.0	4.1	4.0	4.21	-	4.21
SCOP	Cooling	W/W	A++	A++	A++	A++	A++	-	A++
	Heating (Average)		A+	A+	A+	A+	A+	-	A+
Max. Operating Current	Cooling/Heating	A	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6	28.5/28.5	10.5/10.5	14.0/14.0
			293	344	384	486	524	-	524
Annual Energy Consumption	Cooling	kWh/a	1.501	1.677	2.042	2.796	2.904	-	2.904
	Heating		2.0	2.5	2.2	3.0	2.6	4.5	2.6
Moisture Removal	Indoor (Cooling)	l/h	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
	Indoor (Heating)		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
Sound Pressure Level	Indoor (Cooling/Heating)	dB(A)	50/50	51/51	53/54	53/55	55/55	57/57	55/55
	Indoor (Cooling/Heating)		53/53	57/57	56/56	60/60	59/59	60/60	59/59
Sound Power Level	Indoor (Cooling/Heating)	dB(A)	62/62	63/63	65/66	68/69	70/70	71/71	70/70
	Indoor (Cooling/Heating)		840/2,160	900/2,240	1,230/2,700	1,400/3,750	1,850/3,750	1,900/4,450	1,850/3,750
Airflow Rate	Indoor / Outdoor (Cooling)	m³/h	840/1,830	900/1,960	1,230/2,700	1,400/3,750	1,800/3,750	1,850/4,450	1,800/3,750
	Indoor / Outdoor (Heating)		235 × 1,080 × 705	235 × 1,080 × 705	235 × 1,390 × 705	235 × 1,390 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705
Net Dimensions H x W x D	Indoor	mm	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320
	Outdoor		24(53)	24(53)	31(68)	31(68)	38(84)	38(84)	38(84)
Weight	Indoor	kg(lbs)	36(79)	38(84)	42(93)	52(115)	52(115)	67(148)	53(117)
	Outdoor		6.35/12.7	6.35/12.7	6.35/12.7	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Connection Pipe Diameter (Liquid / Gas)		mm	25/32	25/32	25/32	25/32	25/32	25/32	25/32
			30(20)	30(20)	30(20)	50(30)	50(30)	50(30)	50(30)
Max. Pipe Length (Pre-Charge)		m	20	25	25	30	30	30	30
			-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
Operating Range	Cooling	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
	Heating		R32(675)	R32(675)	R32(675)	R32(675)	R32(675)	R32(675)	R32(675)
Refrigerant	Type (Global Warming Potential)	kg(CO2eq-T)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)
	Charge								

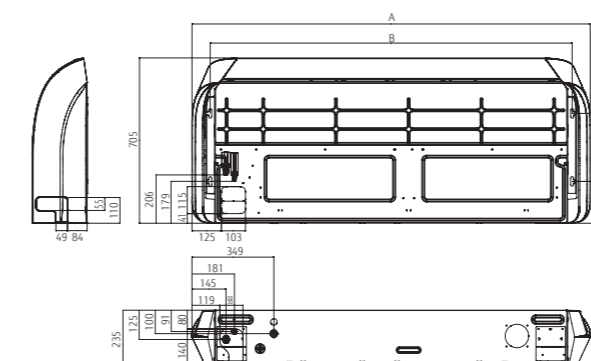
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-046.

Compact Remote Controller:	UTY-RCRYZ1	External Connect Kit:	UTY-XWZXZG	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ5	Wireless LAN Interface:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Simple Remote Controller:	UTY-RLRY	Drain Pump Unit:	UTR-DPB24T		
Simple Remote Controller (Without operation mode):	UTY-RHRY	IR Receiver Unit:	UTY-LBTYH		
Simple Remote Controller:	UTY-RSRY	L-Type Piping Kit:	UTP-FX24A (18/22/24)		
External input and output PCB Box:	UTY-XCSX		UTP-FX35A (30/36/45/54)		
External input and output PCB Box:	UTZ-GXEA	External Switch Controller:	UTY-TERX		

Dimensions

(Unit : mm)



	ABYG18/22KRTA	ABYG24/30KRTA	ABYG36/45/54KRTA
A	1,080	1,390	1,700
B	923	1,233	1,543