

Ceiling



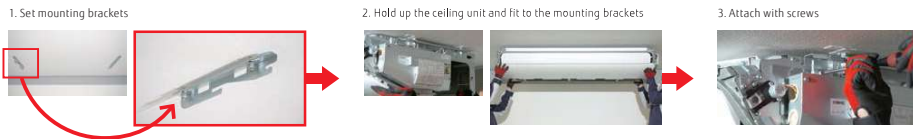
Light Elegant Design

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.



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.



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



Specifications

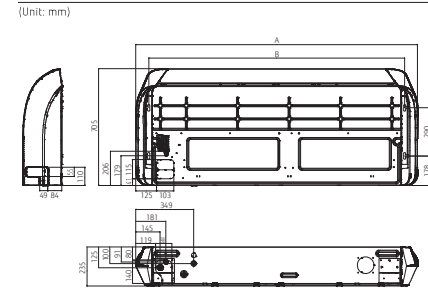
Model name	Indoor unit		ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	ABYG36KRTA	ABYG45KRTA	ABYG54KRTA
	Outdoor unit		AOYG18KRTB	AOYG22KRTB	AOYG24KRTB	AOYG30KRTB	AOYG36KRTB	AOYG45KRTB	AOYG36KRTB	AOYG45KRTB	AOYG54KRTA
Power Source			Single phase ~230V, 50 Hz						3-phase ~400V, 50 Hz		
Capacity	Cooling	kW	5.2 (0.9-9.9)	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-12)	12.1 (4.0-13.5)	9.5 (2.8-12)	12.1 (4.0-13.5)	13.4 (4.5-14.5)
	Heating	kW	6.0 (0.9-5.0)	7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-12.1)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	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	4.27/3.84	2.96/2.88	4.27/3.84	4.65/4.43
	Cooling		3.35	3.21	3.18	3.18	3.21	3.21	3.21	2.87	3.01
EER	Cooling		3.70	3.59	3.81	3.61	3.75	3.52	3.75	3.52	3.50
	Heating	W/W	3.70	3.59	3.81	3.61	3.75	3.52	3.75	3.52	3.50
Pdesign	Cooling/Heating (-10°C)		5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	9.5/8.7	-	-
	Cooling		6.2	6.1	6.2	6.1	6.37	-	6.37	-	-
SEER	Cooling		4.1	4.0	4.1	4.0	4.21	-	4.21	-	-
	Heating (Average)	W/W	4.1	4.0	4.1	4.0	4.21	-	4.21	-	-
SCOP	Cooling		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	22.6/22.6	28.5/28.5	10.5/10.5	14.0/14.0	14.0/14.0
	Cooling		293	344	384	486	524	486	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	2.8	4.5	2.8	4.5	5.0
Moisture Removal	Indoor (Cooling)	l/h	2.0	2.5	2.2	3.0	2.8	4.5	2.8	4.5	5.0
	Indoor (Heating)		3836/3331	4273/3431	4136/3229	4540/3532	4440/3732	4541/3934	4440/3732	4541/3934	4844/4138
Sound Pressure Level	Indoor (Cooling/Heating)	H/M/L/Q	3836/3331	4273/3431	4136/3229	4540/3532	4440/3732	4541/3934	4440/3732	4541/3934	4844/4138
	Outdoor (Cooling/Heating)	High	50/50	51/51	53/54	53/55	55/55	57/57	55/55	57/57	57/59
Sound Power Level	Indoor (Cooling/Heating)	High	53/53	53/57	56/56	60/60	59/59	60/60	59/59	60/60	63/63
	Outdoor (Cooling/Heating)	High	62/62	63/63	65/66	68/69	70/70	71/71	70/70	71/71	73/73
Airflow Rate	Indoor/Outdoor (Cooling)	High	840/2160	900/2240	1230/2700	1400/3750	1800/3750	1900/4450	1800/3750	1900/4450	2100/4450
	Indoor/Outdoor (Heating)	High	840/1830	900/1960	1230/2700	1400/3750	1800/3750	1850/4450	1800/3750	1850/4450	2100/4450
Net Dimensions H x W x D	Indoor	mm	225 x 1080 x 205	235 x 1080 x 205	235 x 1280 x 205	235 x 1280 x 205	235 x 1700 x 205	235 x 1700 x 205	235 x 1700 x 205	235 x 1700 x 205	235 x 1700 x 205
	Outdoor	mm	627 x 799 x 290	627 x 799 x 290	716 x 820 x 315	788 x 940 x 320	788 x 940 x 320	998 x 940 x 320	788 x 940 x 320	998 x 940 x 320	998 x 940 x 320
Weight	Indoor	kg (lbs)	24 (53)	24 (53)	31 (68)	31 (68)	38 (84)	38 (84)	38 (84)	38 (84)	38 (84)
	Outdoor	kg (lbs)	36 (79)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	53 (117)	67 (148)	67 (148)
Connection Pipe Diameter (Liquid/Gas)		mm	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	9.52/15.88	9.52/15.88
	Drain Hose Diameter (I.D./O.D.)		25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)		m	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
	Max. Height Difference		20	25	25	30	30	30	30	30	30
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-t)	1.02 (0.669)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)

Optional parts

* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page G-046.

Compact wired remote controller:	UTY-RCRY21	External connect kit:	UTY-XWZ2G	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller (touch panel):	UTY-RNRY2S	WLAN adapter:	UTY-TFSX21	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller:	UTY-RLRY	Drain pump unit:	UTR-DPB24T		
Simple remote controller (without operation mode):	UTY-RHRY	IR receiver unit:	UTY-LBTHY	(Outdoor unit 30/36/45/54)	
Simple remote controller:	UTY-RSRY	L-type piping kit:	UTP-FX24A (18/22/24)	External connect kit:	UTY-XWZ2X3
External input and output PCB:	UTY-XCSX		UTP-FX35A (30/36/45/54)		
External input and output PCB box:	UTZ-GXEA	External switch controller:	UTY-TERX		

Dimensions



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