

New Ceiling Model



Indoor unit

[Single phase] ABYG18/22/24/30/36/45KRTA
 [3 phase] ABYG36/45/54KRTA

Outdoor unit

[Single phase] AOYG18/22/24/30/36/45KBTB
 [3phase] AOYG36/45/54KRTA



ABYG18/22KRTA



ABYG24/30KRTA



ABYG36/45/54KRTA



Flexible installation

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



Light Elegant Design

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



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.



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



Compact and light weight indoor unit

This model is much more compact than conventional indoor unit. Since it is lighter than the R410 model, the burden of lifting is also reduced.



**Weight
-33%**

(30 model)

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

Outdoor unit [Single phase] AOYG18KBTB / AOYG22KBTB / AOYG24KBTB / AOYG30KBTB / AOYG36KBTB / AOYG45KBTB
 [3 phase] AOYG36KRTA / AOYG45KRTA / AOYG54KRTA



ABYG18/22KRTA



ABYG24/30KRTA



ABYG36/45/54KRTA



AOYG18/22KBTB



AOYG24KBTB



AOYG30/36KBTB
AOYG36KRTA



AOYG45KBTB
AOYG45/54KRTA

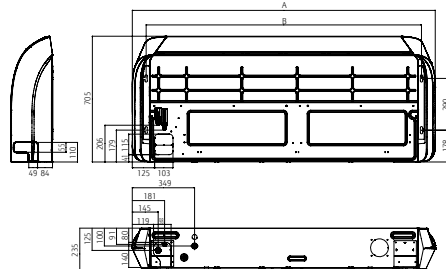
Optional parts

Compact Remote Controller:	UTY-RCRYZ1
Wired Remote Controller : (Touch Panel)	UTY-RNRYZ3
Wired Remote Controller :	UTY-RLRY
Simple Remote Controller: (Without operation mode)	UTY-RHRY
Simple Remote Controller:	UTY-RSRY
External Switch Controller :	UTY-TERX
External input and output PCB :	UTY-XCSX
External input and output PCB Box :	UTZ-GXEA
External Connect Kit :	UTY-XWZXZG
Wireless LAN Interface:	UTY-TFSXZ1
MODBUS® Converter:	UTY-VMSX
KNX® Converter	UTY-VKXS
Drain Pump Unit:	UTR-DBP24T
IR Receiver Unit :	UTY-LBTYH
L-Type Piping Kit:	UTP-FX24A (18/22/24) UTP-FX35A (30/36/45/54)
Network Converter for single split : (DC power supply type)	UTY-VTGX
Network Converter for single split : (AC power supply type)	UTY-VTGXV
(Outdoor unit 30/36/45/54) External Connect Kit:	UTY-XWZXZ3

Dimensions

Indoor unit : ABYG18/22/24/30/36/45/54KRTA

(Unit : mm)



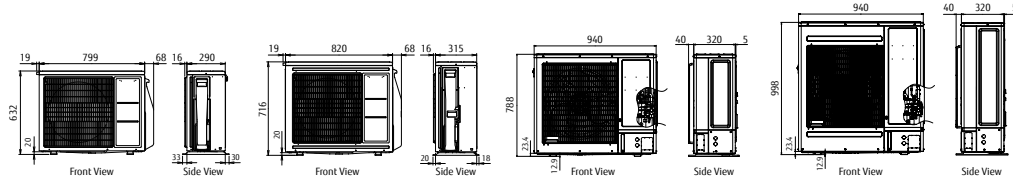
	ABYG 18/22KRTA	ABYG 24/30KRTA	ABYG 36/45/54KRTA
A	1,080	1,390	1,700
B	923	1,233	1,543

Outdoor unit :
AOYG18/22KBTB

AOYG24KBTB

AOYG30/36KBTB
AOYG36KRTA

AOYG45KBTB
AOYG45/54KRTA



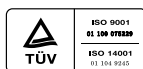
Specifications

Model No.	Indoor unit		Outdoor unit								
	Outdoor unit		ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	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)	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)	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	2.96/2.88	4.22/3.84	4.45/4.43
	EER		3.35	3.21	3.18	3.21	3.21	2.87	3.21	2.87	3.01
COP	Cooling	W/W	3.70	3.59	3.81	3.61	3.75	3.52	3.75	3.52	3.5
	Heating		5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	12.1/9.2	9.5/8.7	12.1/9.2	13.4/-
Pdesign	Cooling	kW	6.2	6.1	6.2	6.1	6.37	-	6.37	-	-
	SEER		4.1	4.0	4.1	4.0	4.21	-	4.21	-	-
SCOP	Heating (Average)	W/W	4.1	4.0	4.1	4.0	4.21	-	4.21	-	-
	Energy Efficiency Class		Cooling	A++	A++	A++	A++	A++	-	A++	-
Max. Operating Current	Heating (Average)	A	A+	A+	A+	A+	A+	-	A+	-	-
	Annual Energy Consumption		Cooling	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
Moisture Removal	Heating	kWh/a	293	344	384	486	524	-	524	-	-
	Consumption		1,501	1,677	2,042	2,796	2,904	-	2,904	-	-
Sound Pressure Level	Moisture Removal	l/h	2.0	2.5	2.2	3.0	2.6	4.5	2.6	4.5	5.0
	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
Sound Power Level	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	48/1/-/1
	Outdoor (Cooling/Heating)	High	50/50	51/51	53/54	53/55	55/55	57/57	55/55	57/57	57/59
Airflow Rate	Indoor (Cooling/Heating)	High	53/53	57/57	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
Net Dimensions	Indoor / Outdoor (Cooling)	High	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	1,900/4,450	2,100/4,450
	Indoor / Outdoor (Heating)	High	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	1,850/4,450	2,100/4,450
Weight	Indoor	mm	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	235×1,700×705	235×1,700×705
	Outdoor	mm	632×799×290	632×799×290	716×820×315	788×940×320	788×940×320	998×940×320	788×940×320	998×940×320	998×940×320
Connection Pipe Diameter (Liquid / Gas)	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)
Drain hose Diameter (I.D./O.D.)	Indoor	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
	Outdoor	mm	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)	Indoor	m	30(20)	30(20)	30(20)	50(30)	50(30)	50(30)	50(30)	50(30)	50(30)
	Outdoor	m	20	25	25	30	30	30	30	30	30
Max Height Difference	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)	kg(CO2eq-T)	R32(675)	R32(675)	R32(675)	R32(675)	R32(675)	R32(675)	R32(675)	R32(675)	R32(675)
	Charge		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)	2.70 (1.823)	2.71 (1.823)

Note : Specifications are based on the following conditions.
 Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
 Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

•Specifications and design are subject to change without notice for further improvement.
 •Actual products' colors may be different from the colors shown in this printed material.

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