

New Ceiling Model - Standard Series



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 the whole unit for safe & speedy maintenance.



Drain pan can be taken off for cleaning.



Components in the control box can be easily accessed.



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

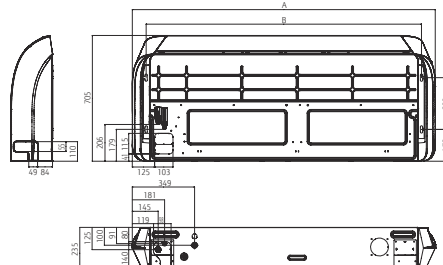
Optional parts

Compact Remote Controller:	UTY-RCRYZ1
Wired Remote Controller : (Touch Panel)	UTY-RNRYZ3
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® Convertor:	UTY-VMSX
KNX® Convertor	UTY-VKXS
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)
Network Convertor for single split : (DC power supply type)	UTY-VTGX
Network Convertor for single split :	UTY-VTGXV
Wireless interface for use with Smart home products: (AC power supply type)	FJ-AC-WIFI-1
(Outdoor unit 30/36/45/54)	UTY-XWZXZ3
External Connect Kit:	

Dimensions

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

(Unit : mm)



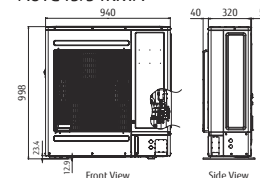
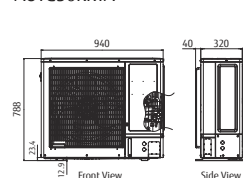
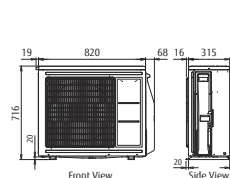
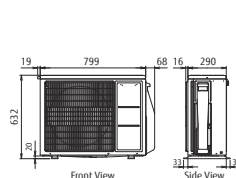
	ABYG 18/22KRTA	ABYG 24/30KRTA	ABYG 36/45/54KRTA
A	1,080	1,390	1,700
B	923	1,233	1,543

Outdoor unit :
AOYG18/22KBTB

AOYG24KBTB

AOYG30/36KBTB
AOYG36KRTA

AOYG45KBTB
AOYG45/54KRTA

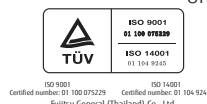


Standard Specifications

Model No.	Indoor unit		ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	ABYG36KRTA	ABYG45KRTA	ABYG54KRTA
	Outdoor unit		AOYG18KBTB	AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG36KRTA	AOYG45KRTA	AOYG54KRTA
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	kW	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)
UK Total / Sensible Cooling			5.01 / 3.62	5.85 / 4.12	6.63 / 4.97	8.08 / 5.23	9.03 / 7.44	11.54 / 8.37	9.03 / 7.44	11.54 / 8.37	13.38 / 9.84
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	4.42/4.43
EER	Cooling	W/W	3.35	3.21	3.18	3.21	3.21	2.87	3.21	2.87	3.01
COP	Heating	W/W	3.70	3.59	3.81	3.61	3.75	3.52	3.75	3.52	3.5
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	12.1/9.2	9.5/8.7	12.1/9.2	13.4/-
SEER	Cooling	W/W	6.2	6.1	6.2	6.1	6.37	-	6.37	-	-
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++	-	-
	Heating (Average)		A+	A+	A+	A+	A+	-	A+	-	-
Annual Energy Consumption	Cooling	kWh/a	298	344	384	486	524	-	524	-	-
	Heating	kWh/a	1,501	1,677	2,042	2,796	2,904	-	2,904	-	-
Moisture Removal		l/h	2.0	2.5	2.2	3.0	2.6	4.5	2.6	4.5	-
Sound Pressure Level	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	48
	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
	Outdoor(Cooling/Heating)	High	50/50	51/51	53/54	53/55	55/55	57/57	55/55	57/57	58/59
Sound Power Level	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
Airflow Rate	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	-
	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	1,850/3,750	1,850/4,450	-
Net Dimensions	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
H x W x D	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
Weight	Indoor	kg(lbs)	24(53)	24(53)	31(68)	31(68)	38(84)	38(84)	38(84)	38(84)	40(88)
	Outdoor	kg(lbs)	36(79)	38(84)	42(93)	52(115)	52(115)	67(148)	53(117)	67(148)	67(148)
Remote Controller Type (NOT Supplied With Unit)			NO CONTROLLER SUPPLIED WITH THESE UNITS PLEASE ORDER SEPARATELY								
Interconnecting Cable (Suggested cable size 2.5mm)			3 Core +Earth						3 Core +Earth		
Suggested MCB Size		Amp	16	16	20	25	25	32	16	16	16
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
Power Supply To			Outdoor						Outdoor		
Connection Pipe Diameter (Gas / Liquid)		Inch	1/2 & 1/4	1/2 & 1/4	1/2 & 1/4	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8
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		m	20	25	25	30	30	30	30	30	30
Refrigerant	Type		R32	R32	R32	R32	R32	R32	R32	R32	R32
	Charge	g	1020	1250	1250	1900	1900	2700	1900	2700	2700
	Additional Charge	g/m	20	20	20	40	40	40	40	40	40
Operation 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	°CDB	-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

•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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