

New Ceiling Model - Economy Series



Indoor unit

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

Outdoor unit

[Single phase] AOYG18/22/24/30/36/45KATA
[3phase] AOYG36/45KQTA



ABYG18/22KRTA



ABYG24/30KRTA

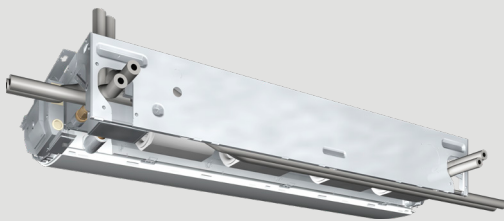


ABYG36/45/54KRTA

Point

Flexible installation

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



Point

Light Elegant Design

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



Point

Easy maintenance

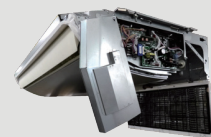
The front panel can be opened without removing the whole unit for safe & speedy maintenance.



Drain pan can be taken off for cleaning.



Components in the control box can be easily accessed.



Point

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



Point

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] ABYG36KQTA / ABYG45KQTA

Outdoor unit [Single phase] AOYG18KATA / AOYG22KATA / AOYG24KATA / AOYG30KATA / AOYG36KATA / AOYG45KATA
[3 phase] AOYG36KQTA / AOYG45KQTA



ABYG18/22KRTA



ABYG24/30KRTA



ABYG36/45/54KRTA



AOYG18/22KATA



AOYG24KATA



AOYG30/36KATA
AOYG36KQTA



AOYG45KATA
AOYG45KQTA

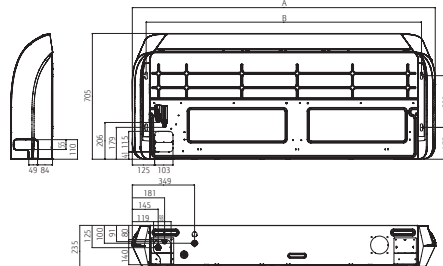
Optional parts

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® Converter:	UTY-VMSX
KNX® Convertor	UTY-VKSX
Drain Pump Unit:	UTR-DPB24T
IR Receiver Unit :	UTY-LBTYH
L-Type Piping Kit:	UTP-FX24A (18/22/24) UTP-FX35A (30/36/45)
Network Converter for single split : (DC power supply type)	UTY-VTGX
Network Converter 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)



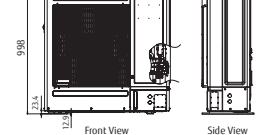
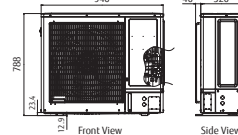
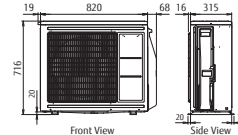
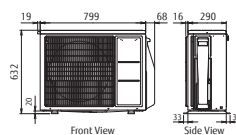
	ABYG 18/22KRTA	ABYG 24/30KRTA	ABYG 36/45KRTA
A	1,080	1,390	1,700
B	923	1,233	1,543

Outdoor unit :
AOYG18/22KATA

AOYG24KATA

AOYG30/36KATA
AOYG36KQTA

AOYG45KATA
AOYG45KQTA



Economy Specifications

Model No.	Indoor unit	Outdoor unit	ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	ABYG36KQTA	ABYG45KQTA
Power Source			Single phase, ~230V, 50Hz						3 phase, ~400V, 50Hz	
Capacity	Cooling	kW	5.2(0.9-5.4)	6.0(0.9-6.3)	6.8(0.9-7.4)	8.5(2.8-9.6)	9.5(2.8-10.6)	12.1(4.0-12.6)	9.5(2.8-10.6)	12.1(4.0-12.6)
	Heating		6.0(0.9-6.3)	7.0(0.9-7.4)	7.5(0.9-8.6)	10.0(2.7-10.8)	10.8(2.7-12.5)	13.5(4.2-15.0)	10.8(2.7-12.5)	13.5(4.2-15.0)
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
Input Power	Cooling/Heating	kW	1.66/1.71	-/-	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	-	3.11	3.06	3.04	2.5	3.04	2.5
COP	Heating		3.51	-	3.75	3.5	3.56	3.23	3.56	3.23
Pdesign	Cooling/Heating(-10°C)	kW	5.2/3.8	6.0/4.4	6.8/5.4	8.5/8.0	9.5/8.7	12.1/9.2	9.5/-	12.1/-
SEER	Cooling	W/W	5.8	5.6	6.0	5.8	5.6	-	5.6	-
SCOP	Heating		3.8	3.8	3.9	3.9	3.9	-	3.9	-
Energy Efficiency Class	Cooling		A+	A+	A+	A+	A+	-	A+	-
	Heating		A	A	A	A	A	-	A	-
Annual Energy Consumption	Cooling	kWh/a	-	-	-	-	-	-	-	-
	Heating		-	-	-	-	-	-	-	-
Moisture Removal		l/h	-	-	-	-	-	-	-	-
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/-/-/-	42/-/-/-	41/-/-/-	45/-/-/-	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34
	Indoor (Heating)	H/M/L/Q	38/-/-/-	42/-/-/-	41/-/-/-	45/-/-/-	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34
Sound Power 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
Airflow Rate	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
	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	1,850/3,750	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
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	988×940×320
Weight	Indoor	kg(lbs)	24(53)	24(53)	31(68)	31(68)	38(84)	38(84)	38(84)	38(84)
	Outdoor	kg(lbs)	33(73)	36(79)	38(84)	52(115)	52(115)	61(134)	52(115)	62(137)
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
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
Power Supply To			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
Max Pipe Length (Pre-Charge)		m	20(15)	25(15)	25(20)	30(30)	30(30)	50(30)	30(30)	50(30)
Max Height Difference		m	15	20	20	30	30	30	30	30
Refrigerant	Type		R32	R32	R32	R32	R32	R32	R32	R32
	Charge	g	900	1100	1250	1900	1900	2700	1900	2700
	Additional Charge	g/m	20	20	20	-	-	-	-	-
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-10 to 24	-15 to 24

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