

# New Ceiling Model - Standard Series



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



ABYG18/22KRTA



ABYG24/30KRTA



ABYG36/45/54KRTA

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

## 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

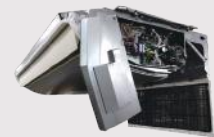
The front panel can be opened without removing the whole unit for safe & speedy maintenance.



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] ABYG36KRTA / ABYG45KRTA / ABYG54KRTA

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



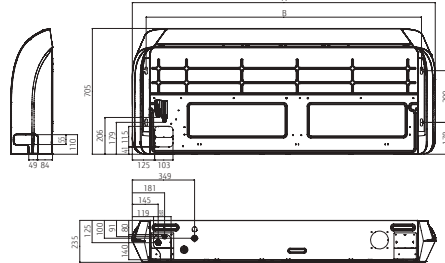
## Optional parts

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-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 Converter for single split : (DC power supply type)	UTY-VTGX
Network Converter for single split :	UTY-VTGV
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)



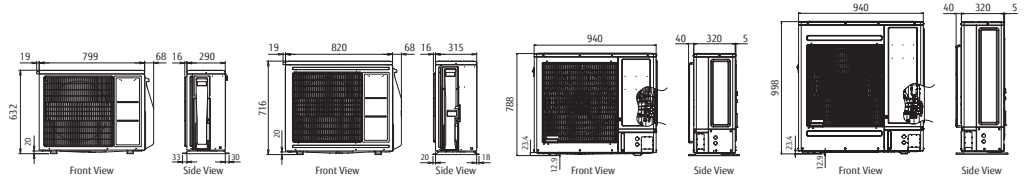
	ABYG 18/22KRTA	ABYG 24/30KRTA	ABYG 36/45/54KRTA
A	1,080	1,390	1,700
B	923	1,233	1,543

Outdoor unit : AOYG18/22KBTB

AOYG24KBTB

AOYG30/36KBTB  
AOYG36KRTA

AOYG45KBTB  
AOYG45/54KRTA



## Standard Specifications

Model No.	Indoor unit			Outdoor unit			Indoor unit			Outdoor unit																			
	ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	ABYG36KRTA	ABYG45KRTA	ABYG54KRTA	AOYG18KBTB	AOYG24KBTB	AOYG30/36KBTB	AOYG45KBTB	AOYG45/54KRTA															
Power Source	Single phase, ~230V, 50Hz																												
Capacity	Cooling	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)			
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	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	3.35			3.21			3.18			3.21			3.21			2.87			3.21			2.87			3.01			
	Heating	3.70			3.59			3.81			3.61			3.75			3.52			3.75			3.52			3.5			
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			12.1/9.2			9.5/8.7			12.1/9.2			13.4/-			
SEER	Cooling	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	A++			A++			A++			A++			A++			-			A++			-			-			
	Heating (Average)	A+			A+			A+			A+			A+			-			A+			-			-			
Annual Energy Consumption	Cooling	298			344			384			486			524			-			524			-			-			
	Heating	1,501			1,677			2,042			2,796			2,904			-			2,904			-			-			
Moisture Removal		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		
Sound Power Level	Indoor(Cooling/Heating)	High	50/50			51/51			53/54			53/55			55 / 55			57 / 57			55/55			57/57			58/59		
	Outdoor(Cooling/Heating)	High	53/53			57/57			56/56			60/60			59 / 59			60 / 60			59/59			60/60			63/63		
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 H x W x D	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		
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																
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																											
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		20			25			25			30			30			30			30			30			30			
Refrigerant	Type	R32																											
	Charge	g	1020			1250			1250			1900			1900			2700			1900			2700			2700		
Operation Range	Additional Charge	g/m	20			20			20			40			40			40			40			40			40		
	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		
Operation Range	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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