

# Medium Static Pressure Duct

ARXG12KHTAP / AOYG12KBTB  
ARXG14KHTAP / AOYG14KBTB  
ARXG18KHTAP / AOYG18KBTB  
ARXG22KHTAP / AOYG22KBTB  
ARXG24KHTAP / AOYG24KBTB

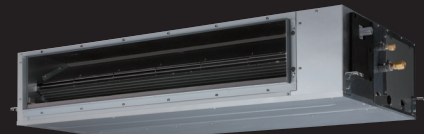
ARXG30KHTAP / AOYG30KBTB  
ARXG36KHTAP / AOYG36KBTB  
ARXG45KHTAP / AOYG45KBTB  
ARXG54KHTAP / AOYG54KBTB



ARXG12/14KHTAP



ARXG18/22/24/30KHTAP

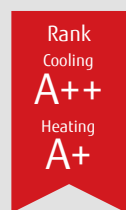


ARXG36/45/54KHTAP

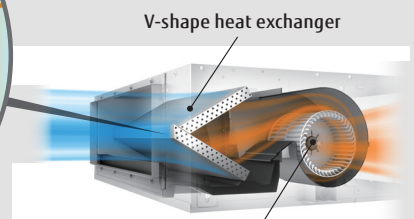


## High efficiency and quiet operation

The combination of the V-shaped heat exchanger, air stabiliser, and the high efficient DC fan motor allowed high efficiency and quiet operation.



SEER  
**6.50**  
(18/22/24 models)  
SCOP  
**4.20**  
(22/36 models)

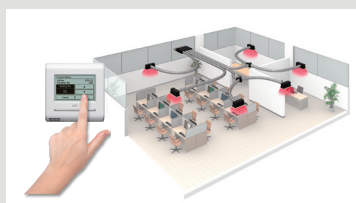


High efficient DC fan motor  
Lower power consumption  
Max 200pa

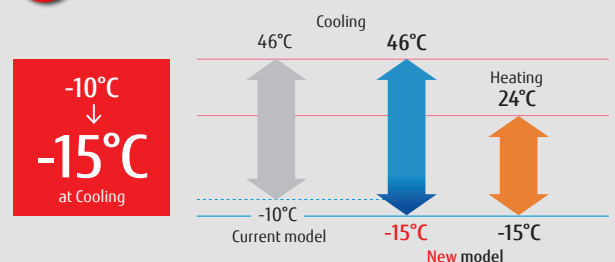


## Automatic airflow adjustment function

This unique and innovative function detects required air flow in each application case and automatically adjust the volume.



## Low ambient operation



## Small and light weight outdoor unit

This model is much more compact than conventional outdoor unit. It can be installed in a smaller place.



Weight  
**-17.5%**  
12/14 models



Height  
**-22.7%**  
45/54 models

Model: ARXG12KHTAP / ARXG14KHTAP / ARXG18KHTAP / ARXG22KHTAP / ARXG24KHTAP / ARXG30KHTAP / ARXG36KHTAP / ARXG45KHTAP / ARXG54KHTAP  
AOYG12KBTB / AOYG14KBTB / AOYG18KBTB / AOYG22KBTB / AOYG24KBTB / AOYG30KBTB / AOYG36KBTB / AOYG45KBTB / AOYG54KBTB



## Optional parts

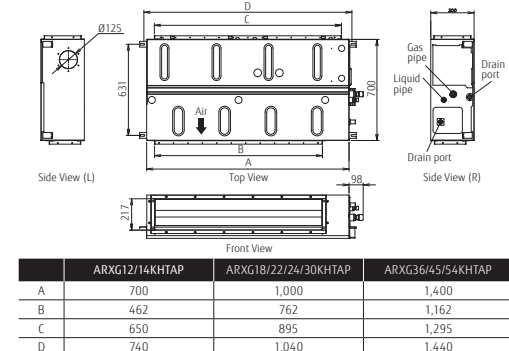
Wired Remote Controller: UTY-RNRYZ3, UTY-RVNYM  
Simple Remote Controller: UTY-RSRY, UTY-RSNYM  
External Input and Output PCB Box: UTZ-GXRA  
External Input and Output PCB (with bracket): UTY-XCSX + UTZ-GXNA

IR Receiver Kit: UTY-LBTYM  
Wireless LAN Interface: UTY-TFSXZ1  
Remote Sensor Unit: UTY-XSZX  
External Connect Kit: UTY-XWZXZG

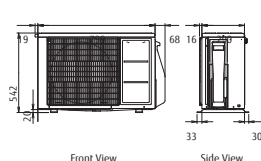
Long Life Filter: UTD-LFNA (ARXG36/45/54KHTAP)  
UTD-LFNB (ARXG18/24/30KHTAP)  
UTD-LFNC (ARXG12/14KHTAP)

## Dimensions

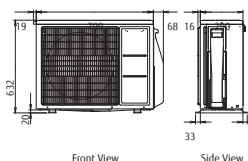
**Indoor unit :**  
ARXG12/14/18/22/24/30/36/45/54KHTAP



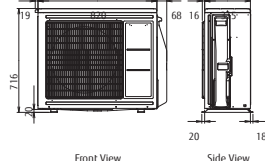
**Outdoor unit :**  
AOYG12/14KBTB



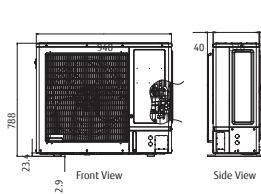
AOYG18/22KBTB



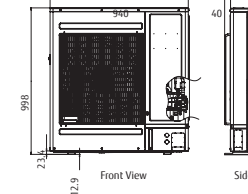
AOYG24KBTB



AOYG30/36KBTB



AOYG45/54KBTB



(Unit : mm)

Model No.	Indoor unit		ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP
	Outdoor unit		AOYG12KBTB	AOYG14KBTB	AOYG18KBTB	AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG54KBTB
Power Source			Single-phase, ~230V, 50Hz								
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	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 (4.0-14.0)	13.4 (4.5-14.5)
	Heating		4.1 (0.9-5.7)	5.0 (0.9-6.5)	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)	15.5 (4.7-16.5)
UK Total/sensible cooling			3.39/2.96	4.12/3.53	5.01/4.09	5.85/4.75	6.63/5.13	8.08/6.39	9.03/7.5	11.54/9.52	12.78/10.4
Input Power	Cooling/Heating	kW	0.87/1.00	1.17/1.25	1.36/1.56	1.71/1.81	1.89/1.85	2.65/2.63	2.86/2.48	3.53/3.37	4.42/3.89
EER	Cooling	W/W	4.02	3.68	3.82	3.51	3.60	3.21	3.32	3.43	3.03
COP	Heating		4.10	4.00	3.85	3.87	4.06	3.80	4.35	4.01	3.98
Pdesign	Cooling/Heating (-10°C)	kW	3.5/3.4	4.3/3.8	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	-
SEER	Cooling	W/W	6.30	6.20	6.50	6.50	6.50	6.23	6.10	-	-
SCOP	Heating (Average)		4.10	4.00	4.10	4.20	4.10	4.00	4.20	-	-
Energy Efficiency Class	Cooling		A++	A++	A++	A++	A++	A++	A++	-	-
	Heating (Average)		A+	A+	A+	A+	A+	A+	A+	-	-
Annual Energy Consumption	Cooling	kWh/a	194	243	280	323	366	477	544	-	-
	Heating		1,159	1,328	1,501	1,597	2,048	2,796	2,898	-	-
Moisture Removal		l/h	0.7	0.9	1.2	1.5	1.8	2.3	2.0	2.6	3.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	32/27/26/24	33/28/27/25	28/25/22/20	28/25/22/20	32/28/24/21	36/33/30/29	36/31/28/26	39/35/31/29	39/35/31/29
	Indoor (Heating)	H/M/L/Q	32/27/26/24	33/28/27/25	28/25/22/20	28/25/22/20	32/28/24/21	36/33/30/29	33/31/28/26	39/35/31/29	39/35/31/29
	Outdoor (Cooling/Heating)	High	47/47	49/49	50/50	51/51	53/54	53/55	55/55	57/57	57/59
Sound Power Level	Indoor (Cooling/Heating)	High	57/58	59/60	54/54	57/57	57/57	63/65	64/63	67/69	67/69
	Outdoor (Cooling/Heating)	High	61/61	62/62	62/62	63/63	65/66	68/69	70/70	71/71	73/73
Airflow Rate	Indoor / Outdoor (Cooling)	High	850/1,580	950/1,670	1,050/2,160	1,050/2,240	1,360/2,700	1,700/3,750	2,050/3,750	2,550/4,450	2,550/4,450
	Indoor / Outdoor (Heating)	High	850/1,520	950/1,580	1,050/1,830	1,050/1,960	1,360/2,700	1,700/3,750	2,050/3,750	2,550/4,450	2,550/4,450
Static pressure range (Standard)		Pa	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (47)	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)
Net Dimensions	Indoor	mm	300x700x700	300x700x700	300x1,000x700	300x1,000x700	300x1,000x700	300x1,000x700	300x1,400x700	300x1,400x700	300x1,400x700
H x W x D	Outdoor	mm	542x799x290	542x799x290	632x799x290	632x799x290	716x820x315	788x940x320	788x940x320	998x940x320	998x940x320
Weight	Indoor	kg(lbs)	27 (60)	27 (60)	35 (77)	35 (77)	36 (79)	36 (79)	46 (101)	46 (101)	46 (101)
	Outdoor	kg(lbs)	33 (73)	33 (73)	36 (79)	38 (84)	42 (93)	52 (115)	52 (115)	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 1.5mm)			3 Core + Earth								
Suggested MCB Size		Amp	10	16	16	16	16	25	25	30	30
Max. Operating Current	Cooling/Heating	A	9.7	10.2	12.1	12.6	13.6	22.6	22.6	28.5	28.5
Power Supply To			Outdoor								
Connection Pipe Diameter (Gas / Liquid)		Inch	3/8 & 1/4	3/8 & 1/4	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
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)
Max Height Difference			20	20	20	25	25	30	30	30	30
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		-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		R32	R32	R32	R32	R32	R32	R32	R32	R32
	Charge	g	850	850	1020	1250	1250	1900	1900	2700	2700
	Additional Charge	g/m	20	20	20	20	20	40	40	40	40
Filter (To be ordered separately)			UTD-LFNC	UTD-LFNC	UTD-LFNB	UTD-LFNB	UTD-LFNB	UTD-LFNB	UTD-LFNA	UTD-LFNA	UTD-LFNA

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

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