

AIR CONDITIONING

Medium Static Pressure Duct

Indoor unit

ARXG12/14/18/22/24/30/36/45/54KHTAP

Outdoor unit

[Single phase] AOYG12/14/18/22/24/30/36/45/54KBTB

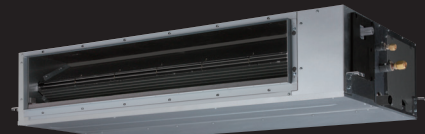
[3 phase] AOYG36/45/54KRTA



ARXG12/14KHTAP



ARXG18/22/24/30KHTAP



ARXG36/45/54KHTAP



Point

High efficiency and quiet operation

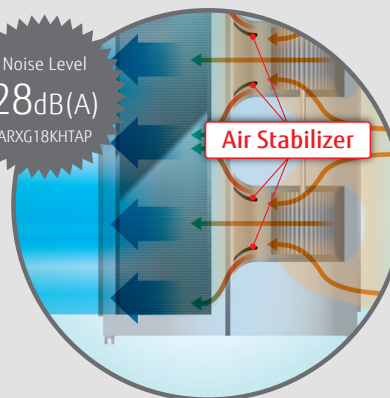
The combination of the V-shaped heat exchanger, air stabilizer, and the high efficient DC fan motor allowed high efficiency and quiet operation.

Rank
Cooling
A++
Heating
A+

SEER
6.50
(18/22/24 models)

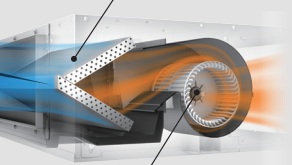
SCOP
4.20
(22/36 models)

Noise Level
28dB(A)
ARXG18KHTAP



Air Stabilizer

V-shape heat exchanger

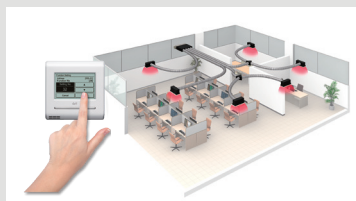


High efficient DC fan motor
Lower power consumption

Point

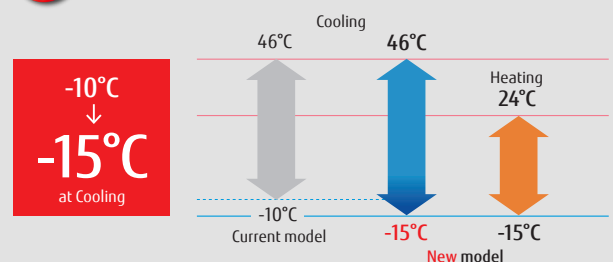
Automatic airflow adjustment function

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



Point

Low ambient operation



Point

Small and light weight outdoor unit

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



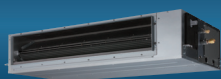
Model: ARXG12KHTAP / ARXG14KHTAP / ARXG18KHTAP / ARXG22KHTAP / ARXG24KHTAP / ARXG30KHTAP / ARXG36KHTAP / ARXG45KHTAP / ARXG54KHTAP
[Single phase] AOYG12KBTB / AOYG14KBTB / AOYG18KBTB / AOYG22KBTB / AOYG24KBTB / AOYG30KBTB / AOYG36KBTB / AOYG45KBTB / AOYG54KBTB
[3 phase] AOYG36KRTA / AOYG45KRTA / AOYG54KRTA



ARXG12/14KHTAP



ARXG18/22/24/30KHTAP



ARXG36/45/54KHTAP



AOYG12/14KBTB



AOYG18/22KBTB



AOYG24KBTB



AOYG30/36KBTB
AOYG36KRTA



AOYG45/54KBTB
AOYG45/54KRTA

Optional parts

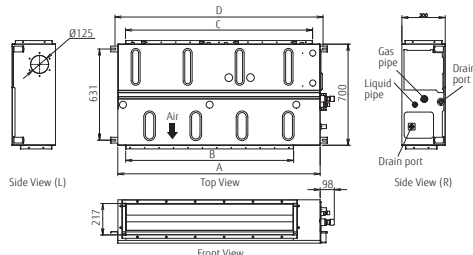
Wired Remote Controller: UTY-RNRYZ3, UTY-RVNYM
 Simple Remote Controller: UTY-RSRY, UTY-RSNYM
 External Input and Output PCB Box: UTZ-GXRA
 External Input and Output PCB (with bracket): UTY-XCSX + UTZ-GXNA

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

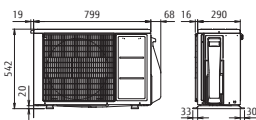
Long Life Filter: UTD-LFNA (ARXG36/45/54KHTAP)
 UTD-LFNB (ARXG18/24/30KHTAP)
 UTD-LFNC (ARXG12/14KHTAP)

Dimensions

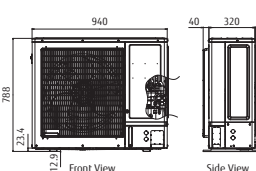
Indoor unit :
 ARXG12/14/18/22/24/30/36/45/54KHTAP



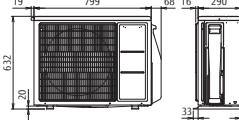
Outdoor unit :
 AOYG12/14KBTB



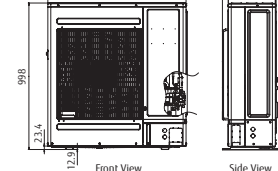
AOYG30/36KBTB, AOYG36KRTA



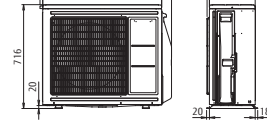
AOYG18/22KBTB



AOYG45/54KBTB, AOYG45/54KRTA



AOYG24KBTB



(Unit : mm)

	ARXG12/14KHTAP	ARXG18/22/24/30KHTAP	ARXG36/45/54KHTAP
A	700	1,000	1,400
B	462	762	1,162
C	650	895	1,295
D	740	1,040	1,440

Model No.	Indoor unit	Outdoor unit	ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP
			AOYG12KBTB	AOYG14KBTB	AOYG18KBTB	AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG54KBTB	AOYG36KRTA	AOYG45KRTA	AOYG54KRTA
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)	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)	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	9.03/7.50	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	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	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	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	-	-	9.5/8.7	-	-
SEER	Cooling	W/W	6.30	6.20	6.50	6.50	6.50	6.23	6.10	-	-	6.10	-	-
SCOP	Heating (Average)		4.10	4.00	4.10	4.20	4.10	4.00	4.20	-	-	4.20	-	-
Energy Efficiency Class	Cooling		A++	A++	A++	A++	A++	A++	A++	-	-	A++	-	-
	Heating (Average)		A+	A+	A+	A+	A+	A+	A+	-	-	A+	-	-
Annual Energy Consumption	Cooling	kWh/a	194	243	280	323	366	477	544	-	-	544	-	-
	Heating		1,159	1,328	1,501	1,597	2,048	2,796	2,898	-	-	2,898	-	-
Moisture Removal		l/h	0.7	0.9	1.2	1.5	1.8	2.3	2.0	2.6	3.7	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	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	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	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	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	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	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	1,850/3,750	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)	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)
Net Dimensions	Indoor	mm	300x700x200	300x700x200	300x1,000x700	300x1,000x700	300x1,000x700	300x1,000x700	300x1,000x700	300x1,400x700	300x1,400x700	300x1,400x700	300x1,400x700	300x1,400x700
H x W x D	Outdoor	mm	542x799x290	542x799x290	632x799x290	632x799x290	716x820x315	788x940x320	788x940x320	998x940x320	998x940x320	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)	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)	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 1.5mm)			3 Core + Earth											
Suggested MCB Size		Amp	10	16	16	16	16	25	25	30	30	16	16	16
Max. Operating Current	Cooling/Heating	A	9.7/9.7	10.2/10.2	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	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	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	9.52/15.88	9.52/15.88	9.52/15.88
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max Height Difference			20	20	20	25	25	30	30	30	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	-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	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type		R32	R32	R32	R32	R32	R32	R32	R32	R32	R32 (675)	R32 (675)	R32 (675)
	Charge	g	850	850	1020	1250	1250	1900	1900	2700	2700	1900	2700	2700
	Additional Charge	g/m	20	20	20	20	20	40	40	40	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	UTD-LFNA	UTD-LFNA	UTD-LFNA

• 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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