

Medium Static Pressure Duct- Standard Series



Indoor unit
ARXG22/24/30/36/45KMLA

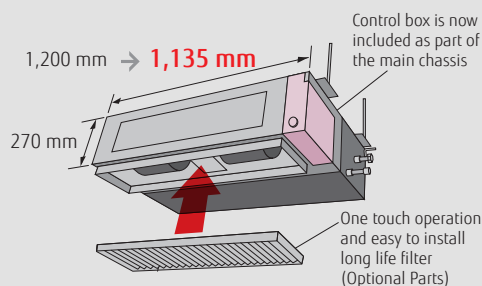
Outdoor unit
[Single phase] AOYG22/24/30/36/45KBTB
[3 phase] AOYG36/45KRTA



Point Slim & compact design

Indoor Unit

The slim and compact design of the indoor unit, with the control box mounted on the side of the unit, allows installation in narrow spaces.

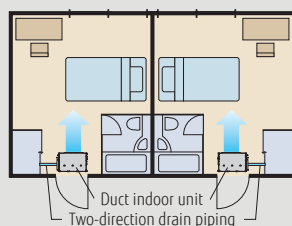


New Outdoor Unit

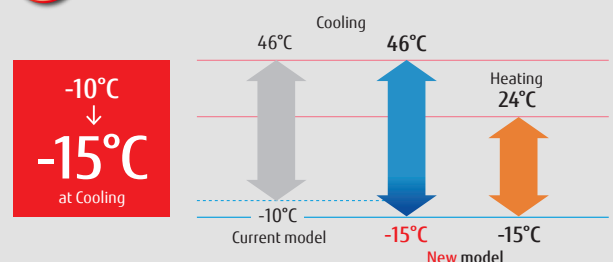
45 model outdoor unit was changed completely. Easier installation was realized by compact and lightweight outdoor unit.



Point Two-direction drain piping



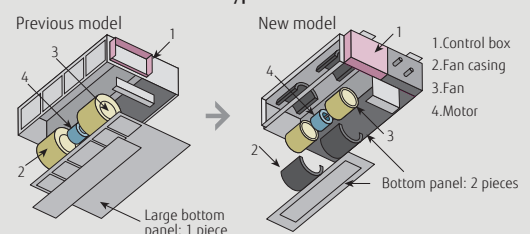
Point Low ambient operation



Point Easy maintenance

Structural improvement is attained by making the bottom panel two pieces, front and rear. The internal fan casing is also manufactured in two pieces, namely upper and lower. The maintenance of the motor and fan can be easily carried out by removing the rear panel and the lower part of the casing while leaving the main chassis installed.

See below for the case of rear suction type



Model: ARXG22KMLA / ARXG24KMLA / ARXG30KMLA / ARXG36KMLA / ARXG45KMLA
 [Single phase] AOYG22KBTB / AOYG24KBTB / AOYG30KBTB / AOYG36KBTB / AOYG45KBTB
 [3 phase] AOYG36KRTA / AOYG45KRTA



AOYG22KBTB



AOYG24KBTB



AOYG30/36KBTB
AOYG36KRTA



AOYG45KBTB
AOYG45KRTA

Optional parts

Wired Remote Controller: UTY-RNRYZ3, UTY-RVNYM,
 Simple Remote Controller: UTY-RSRY, UTY-RSNYM

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

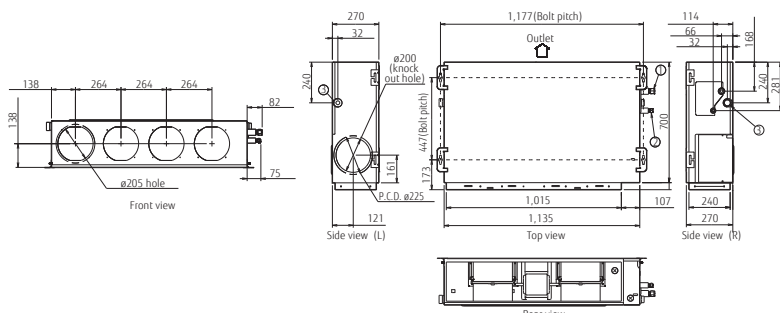
Long Life Filter: UTD-LF25NA
 External Connect Kit: UTY-XWZXG
 Drain Pump Unit: UTY-PTX1NBA

Flange(Round): UTD-RF204
 Flange(Square): UTD-SF045T

Dimensions

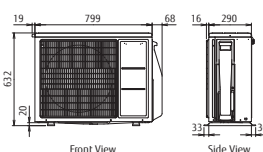
(Unit : mm)

Indoor unit :
 ARXG22/24/30/36/45KMLA

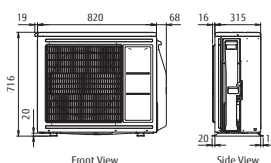


- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection

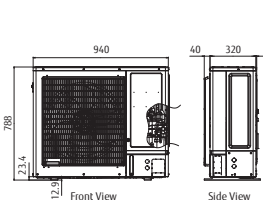
Outdoor unit :
 AOYG22KBTB



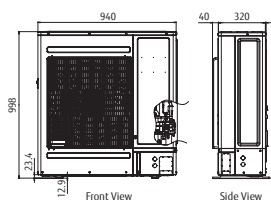
AOYG24KBTB



AOYG30/36KBTB, AOYG36KRTA



AOYG45KBTB, AOYG45KRTA



Specifications

Model No.	Indoor unit		ARXG22KMLA	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	ARXG36KMLA	ARXG45KMLA	
	Outdoor unit		AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG36KRTA	AOYG45KRTA	
Power Source			Single-phase, ~230V, 50Hz					3-phase, ~400V, 50Hz		
Capacity	Cooling	kW	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 (4.0-13.0)	9.5 (2.8-11.2)	12.1 (4.0-13.0)	
	Heating		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 (4.2-15.2)	10.8 (2.7-12.7)	13.5 (4.2-15.2)	
Input Power	Cooling/Heating	kW	1.78/1.87	2.14/1.97	2.65/2.63	2.97/2.88	4.22/3.84	2.97/2.88	4.22/3.84	
EER	Cooling	W/W	3.37	3.18	3.21	3.20	2.87	3.20	2.87	
COP	Heating		3.74	3.80	3.80	3.75	3.52	3.75	3.52	
Pdesign	Cooling/Heating(-10°C)	kW	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	9.5/8.7	-	
SEER	Cooling	W/W	6.10	6.20	6.23	6.10	-	6.10	-	
SCOP	Heating		4.10	4.10	4.00	4.00	-	4.00	-	
Energy Efficiency Class	Cooling	A	A++	A++	A++	A++	-	A++	-	
	Heating		A+	A+	A+	A+	-	A+	-	
Max. Operating Current	Cooling/Heating	kWh/a	12.6	13.6	22.6	22.6	28.5	10.5	14.0	
Annual Energy Consumption	Cooling		344	384	477	545	-	545	-	
Consumption	Heating		1,637	2,045	2,797	3,044	-	3,044	-	
Moisture Removal			l/h	2.1	2.5	2.5	3.0	4.0	3.0	4.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	39/35/30/26	42/38/32/28
	Indoor (Heating)	H/M/L/Q		31/29/27/25	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	42/35/30/26	42/38/32/28
	Outdoor(Cooling/Heating)	High		51/51	53/54	53/55	55/55	57/57	55/55	57/57
Sound Power Level	Indoor(Cooling/Heating)	High	m³/h	60/62	60/62	65/69	65/70	68/70	65/70	68/70
	Outdoor(Cooling/Heating)	High		63/63	65/66	68/69	70/70	71/71	70/70	71/71
	Indoor / Outdoor (Cooling)	High		1,100/2,240	1,100/2,700	1,900/3,750	1,900/3,750	2,100/4,450	2,100/3,750	2,100/4,450
Airflow Rate	Indoor / Outdoor (Heating)	High	1,100/1,960	1,100/2,700	2,100/3,750	2,100/3,750	2,100/4,450	2,100/3,750	2,100/4,450	
Static pressure range (Standard)			Pa	30 to 150 (35)	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)	30 to 150 (47)	30 to 150 (60)
Net Dimensions	Indoor	mm	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	
H x W x D	Outdoor	mm	632x799x290	716x820x315	788x940x320	788x940x320	998x940x320	788x940x320	998x940x320	
Weight	Indoor	kg(lbs)	35 (77)	35 (77)	40 (88)	38 (84)	39 (86)	38 (84)	39 (86)	
	Outdoor	kg(lbs)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	53 (117)	67 (148)	
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Drain hose Diameter (I.D./O.D.)			m	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	
Max Pipe Length (Pre-Charge)			m	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	
Max Height Difference			m	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	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)	kg(CO2eq-T)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	
	Charge		1.25 (0.844)	1.25(0.844)	1.90(1.283)	1.90(1.283)	2.70(1.823)	1.90(1.283)	2.70(1.823)	

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

- 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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