

Cassette

Circular Flow Series

Comfort for Large Rooms



UTG-UKYA-B
Black Grille



(30/36/45/54)

Unique Circular Flow design

The Cassette model realizes a Circular Flow to blow a large airflow in a 360° direction by using a high-performance DC fan motor, turbo fan, and a unique seamless airflow louver design.



Airflows avoid blowing cool air directly at the occupants in the room, providing more comfortable air conditioning. Provides efficient air conditioning based on the room layout.

Individual louver control

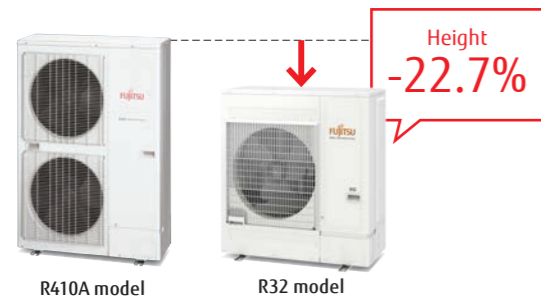
Each louver can be controlled individually with a wired remote controller equipped with a touch panel to provide different directional airflows according to the room layout.

*Wired remote controller (touch panel) (UTY-RNRYZ3) only

The Occupancy sensor yields more energy savings.
Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

Compact and lightweight outdoor unit

The outdoor units for the 45,000 BTU and 54,000 BTU models have been completely redesigned. Easier installation is achieved for this compact and lightweight outdoor unit.



R410A model

R32 model

Link up with a variety of Central Control System (Option)

Centralized control including facilities and equipment in addition to air conditioning is possible by linking up with MODBUS, KNX interfaces.



Central Control System

Various Cassette Grilles

Both black and white grilles are available. Three types of grilles are available: a white grille with a remote controller; a white grille without a remote controller; and a black grille without a remote controller. Select to match the atmosphere and/or usage of the room.



UTG-UKYA-W
White Grille
Wired remote controller
(touch panel)

UTG-UKYA-B
Black Grille

UTG-UKYC-W
White Grille

Model: AUXG18KRLB/AUXG22KRLB/AUXG24KRLB/AUXG30KRLB/AUXG36KRLB/AUXG45KRLB/AUXG54KRLB
AUXG36KRLB [3-phase]/AUXG45KRLB [3-phase]/AUXG54KRLB [3-phase]



Specifications

Model name	Indoor unit		AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB
	Outdoor unit		AOYG18KBTB	AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG54KBTB	AOYG36KRTA	AOYG45KRTA	AOYG54KRTA
Power Source			Single phase, ~230 V, 50 Hz						3-phase, ~400 V, 50 Hz			
Capacity	Cooling	kW	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		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)
Input Power	Cooling/Heating	kW	1.36/1.58	1.71/1.82	1.89/1.90	2.44/2.51	2.91/2.45	3.61/3.21	4.41/4.16	2.91/2.45	3.61/3.21	4.41/4.16
	Cooling		3.82	3.51	3.60	3.49	3.26	3.35	3.04	3.26	3.35	3.04
EER	Cooling	W/W	3.80	3.85	3.95	3.98	4.40	4.20	3.73	4.40	4.20	3.73
	Heating		3.80	3.85	3.95	3.98	4.40	4.20	3.73	4.40	4.20	3.73
COP	Cooling/Heating (-10°C)	kW	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	-	9.5/8.7	-	-
	Cooling		7.00	7.00	6.60	6.70	6.55	-	-	6.55	-	-
SEER	Cooling	W/W	4.30	4.40	4.20	4.30	4.30	-	-	4.30	-	-
	Heating (Average)		4.30	4.40	4.20	4.30	4.30	-	-	4.30	-	-
Energy Efficiency Class	Cooling	A	A++	A++	A++	A++	A++	-	-	A++	-	-
	Heating (Average)		A+	A+	A+	A+	A+	-	-	A+	-	-
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	28.5/28.5	10.5/10.5	14.0/14.0	14.0/14.0
	Cooling		260	300	360	444	507	-	-	507	-	-
Annual Energy Consumption	Cooling	kWh/a	1,431	1,527	1,999	2,601	2,828	-	-	2,828	-	-
	Heating		1.5	2.2	2.7	2.5	3.3	4.5	5.0	3.3	4.5	5.0
Moisture Removal	Indoor (Cooling)	l/h	33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36
	Indoor (Heating)		33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36
Sound Pressure Level	Indoor (Cooling/Heating)	dB(A)	50/50	51/51	53/54	53/55	55/55	57/57	57/59	55/55	57/57	57/59
	Outdoor (Cooling/Heating)		47/47	49/49	49/49	54/54	58/58	60/60	61/61	58/58	60/60	61/61
Sound Power Level	Indoor (Cooling/Heating)	dB(A)	62/62	63/63	65/66	68/69	70/70	71/71	73/73	70/70	71/71	73/73
	Outdoor (Cooling/Heating)		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)	m³/h	1,050/2,160	1,050/2,240	1,150/2,700	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450	1,870/3,750	2,000/4,450	2,100/4,450
	Indoor/Outdoor (Heating)		1,050/1,830	1,050/1,960	1,150/2,700	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450	1,870/3,750	2,000/4,450	2,100/4,450
Net Dimensions H x W x D	Indoor	mm	246 × 840 × 840	246 × 840 × 840	246 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840
	Outdoor		632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor	kg (lbs)	23 (51)	23 (51)	24 (53)	26 (57)	29 (64)	29 (64)	29 (64)	29 (64)	29 (64)	29 (64)
	Outdoor		36 (79)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	67 (148)	53 (117)	67 (148)	67 (148)
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/12.70	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
	Drain Hose Diameter (I.D./O.D.)		25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)		m	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
	Max. Height Difference		20	25	25	30	30	30	30	30	30	30
Operating 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
	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
Refrigerant	Type (Global Warming Potential)	R32 (675)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)		1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)	2.70 (1.823)	2.70 (1.823)
Cassette Grille	Variation	UTG-UKYA-W: White wired remote controller (touch panel) UTG-UKYC-W: White/UTG-UKYA-B*: Black UTG-UKYC-W: White/UTG-UKYA-B*: Black										
	Dimensions (H × W × D)	mm	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950
	Weight	kg (lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)

*1: IR Receiver kit and Occupancy sensor kit cannot be connected.

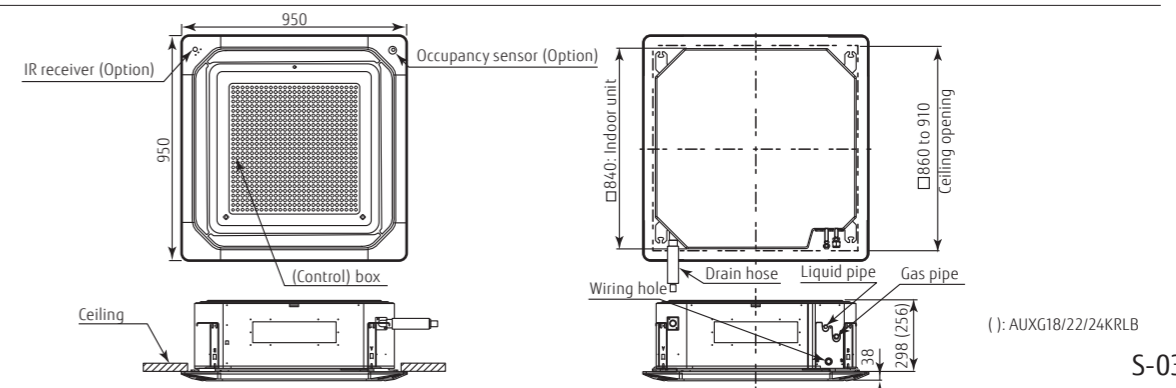
Optional parts

* For optional parts compatibility of Inesis devices, refer to the optional parts compatibility list Page C-046.

Compact wired remote controller: Wired remote controller (touch panel): Wired remote controller:	UTY-RCRYZ1 UTY-RNRYZ5 UTY-RLRY UTY-RNNYM UTY-RVNYM UTY-RHRY UTY-RSRY UTY-RSNYM UTY-SHZXC UTY-TERX	WLAN adapter: External input and output PCB: External input and output PCB box: Insulation kit for high humidity: Fresh air intake kit: Wide Panel: Panel Spacer: IR receiver unit External connect kit:	UTY-TFSXZ1 FJ-RC-WIFI-1 UTY-XCSX UTZ-GXRA UTZ-KXRA UTZ-VXRA UTG-AKXA-W UTG-BKXA-W UTY-LBXYC UTY-XWZXZG	Cassette Grille: Air Outlet Shutter Plate: Network Converter for single split (DC power supply type): Network Converter for single split (AC power supply type): Silver Ion Filter: (Outdoor unit 30/36/45/54) External connect kit:	UTG-UKYA-B UTG-UKYA-W UTG-UKYC-W UTR-YDZK UTY-VTGX UTY-VTGXV UTD-HFRA UTY-XWZXZ3
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Dimensions

(Unit: mm)



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