

# Cassette

## Circular Flow Series

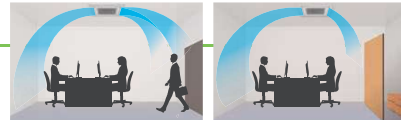
Comfort for Large Rooms



UTG-UKYA-B  
Black Grille

### 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

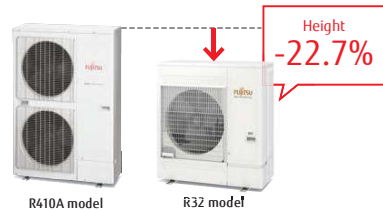
Each louver can be controlled individually with a wired remote controller equipped with a touch panel to provide different directional airflows according to the room layout.

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

**The Human 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.



### 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-UKY-W  
White Grille



Central Control System

### 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.

### 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	3-phase		
	Outdoor unit		ADVG18KRTB	ADVG22KRTB	ADVG24KRTB	ADVG30KRTB	ADVG36KRTB	ADVG45KRTB	ADVG54KRTB	ADVG36KRTA	ADVG45KRTA	ADVG54KRTA
Power Source			Single phase ~230V 50Hz						3-phase ~400V 50Hz			
Capacity	Cooling	kW	5.2 (0.9-5.9)	6.0 (0.9-6.7)	6.0 (0.9-6.7)	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	kW	6.0 (0.9-5.9)	7.0 (0.9-8.0)	7.5 (0.9-8.1)	10.0 (2.7-12.1)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.5-16.5)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.5-16.5)
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	W/W	3.82	3.51	3.60	3.48	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	W/W	3.82	3.51	3.60	3.48	3.26	3.35	3.04	3.26	3.35	3.04
COP	Cooling	W/W	3.80	3.85	3.95	3.98	4.40	4.20	3.73	4.40	4.20	3.73
	Heating	W/W	3.82	3.51	3.60	3.48	3.26	3.35	3.04	3.26	3.35	3.04
Pdesign	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	kW	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)	W/W	4.30	4.40	4.20	4.30	4.30	-	-	4.30	-	-
SCOP	Cooling	W/W	A++	A++	A++	A+	A++	-	-	A++	-	-
	Heating (Average)	W/W	A+	A+	A+	A+	A+	-	-	A+	-	-
Energy Efficiency Class	Cooling	W/W	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	A	260	300	360	444	507	-	-	507	-	-
Annual Energy Consumption	Cooling	kWh/a	1.43/1	1.52/1	1.99/1	2.60/1	2.83/1	-	-	2.83/1	-	-
	Heating	kWh/a	1.43/1	1.52/1	1.99/1	2.60/1	2.83/1	-	-	2.83/1	-	-
Moisture Removal	Cooling	l/h	15	22	27	25	33	4.5	5.0	33	4.5	5.0
	Heating	l/h	15	22	27	25	33	4.5	5.0	33	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	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
	Outdoor (Cooling)	H/M/L/Q	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 Power Level	Indoor (Cooling/Heating)	High	50/50	51/51	53/54	53/55	55/55	57/57	57/59	55/55	57/57	57/59
	Outdoor (Cooling/Heating)	High	47/47	49/49	49/49	54/54	58/58	60/60	61/61	58/58	60/60	61/61
Airflow Rate	Indoor/Outdoor (Cooling)	High	1.05/0.160	1.05/0.240	1.15/0.270	1.60/0.750	1.87/0.750	2.00/0.450	2.10/0.450	1.87/0.750	2.00/0.450	2.10/0.450
	Indoor/Outdoor (Heating)	High	1.05/0.160	1.05/0.240	1.15/0.270	1.60/0.750	1.87/0.750	2.00/0.450	2.10/0.450	1.87/0.750	2.00/0.450	2.10/0.450
Net Dimensions H x W x D	Indoor	mm	245-840-840	245-840-840	245-840-840	288-840-840	288-840-840	288-840-840	288-840-840	288-840-840	288-840-840	288-840-840
	Outdoor	mm	632-739-230	632-739-230	716-820-310	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)	36 (79)	36 (79)	29 (64)	29 (64)	29 (64)	29 (64)	29 (64)
	Outdoor	kg (lbs)	38 (84)	38 (84)	42 (93)	42 (93)	52 (115)	67 (148)	67 (148)	52 (115)	67 (148)	67 (148)
Connection Pipe Diameter (Liquid/Gas)	mm	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
	mm	mm	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Drain Hose Diameter (I.D./O.D.)	mm	mm	30 (30)	30 (30)	30 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
	m	m	30 (30)	30 (30)	30 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Pipe Length (Price-Charge)	m	m	30	30	30	30	30	30	30	30	30	30
	m	m	30	30	30	30	30	30	30	30	30	30
Max. Height Difference	m	m	7.5	7.5	7.5	30	30	30	30	30	30	30
	m	m	7.5	7.5	7.5	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	°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	-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)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)
Cassette Grille	Variation		UTG-UKYA-W: White wired remote controller (touch panel) UTG-UKY-W: White/UTG-UKYA-B*1: Black						UTG-UKYA-W: White wired remote controller (touch panel) UTG-UKY-W: White/UTG-UKYA-B*1: Black			
	Dimensions (H x W x D)	mm	53 x 950 x 950	53 x 950 x 950	53 x 950 x 950	53 x 950 x 950	53 x 950 x 950	53 x 950 x 950	53 x 950 x 950	53 x 950 x 950	53 x 950 x 950	53 x 950 x 950
Weight	kg (lbs)	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)
	kg (lbs)	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)

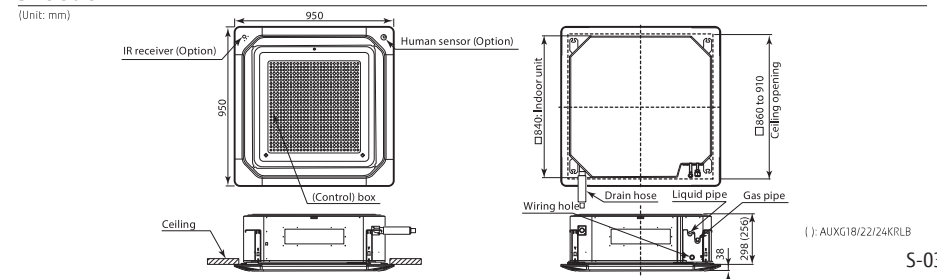
\*1: IR Receiver kit and Human sensor kit cannot be connected.

### Optional parts

\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility List Page C-046.

Compact wired remote controller:	UTY-RCRYZ1	WLAN adapter:	UTY-TFSXZ1	Cassette Grille:	UTG-UKYA-B
Wired remote controller (touch panel):	UTY-RNRYZ5	External input and output PCB:	FJ-RCHFR-1	UTG-UKYA-W	UTG-UKY-CW
Wired remote controller:	UTY-RLRY	External input and output PCB box:	UTY-XCSX	UTR-YDZK	UTY-UTGX
	UTY-RNVM	Insulation kit for high humidity:	UTZ-KXRA	Air Outlet Shutter Plate:	UTY-UTGX
	UTY-RNVM	Fresh air intake kit:	UTZ-KXRA	Network Converter for single split (DC power supply type):	UTY-UTGXV
Simple remote controller (without operation mode):	UTY-RRHY	Wide Panel:	UTZ-KXRA	Network Converter for single split (AC power supply type):	UTY-UTGXV
Simple remote controller:	UTY-RSRY	Panel Spacer:	UTG-AXXA-W	Silver Ion Filter:	UTD-HFRA
Human sensor kit:	UTY-RSNM	IR receiver unit:	UTG-BKXA-W		
External switch controller:	UTY-SHZXC	External connect kit:	UTY-LBXYC	(Outdoor unit 30/36/45/54)	
	UTY-TERX		UTY-XWZXC	External connect kit:	UTY-XWZXC3

### Dimensions



( ) : AUXG18/22/24KRLB