



SPLIT

## Cassette Circular Flow Series Comfort for Large Rooms

UTG-UKYA-B  
Black Grille



ALL DC



### 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

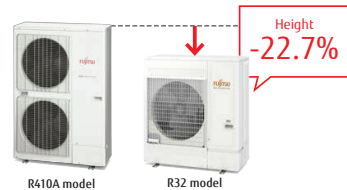
Each louver can be controlled individually with a wired remote controller equipped with a touch panel to provide different directional airflows according to the room layout.

\*Wired remote controller (touch panel) (UTY-RNRV23) 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.



### 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.



### 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.



### 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		AUXG18BRTB	AUXG22BRTB	AUXG24BRTB	AUXG30BRTB	AUXG36BRTB	AUXG45BRTB	AUXG54BRTB	AUXG36BRTB	AUXG45BRTB	AUXG54BRTA		
Power Source			Single phase ~230V 50 Hz									3-phase ~400V 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 (3.2-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)	18.5 (2.8-21.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)		
	Heating	kW	6.0 (0.9-7.5)	7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.3-11.2)	10.8 (2.3-11.2)	13.5 (4.2-16.2)	15.5 (4.2-16.5)	10.8 (2.3-11.2)	13.5 (4.2-16.2)	15.5 (4.2-16.5)		
Input Power	Cooling/Heating	kW	1.3(0.5) 1.8	1.7(1.0) 2.2	1.8(0.9) 2.4	2.4(1.2) 3.1	2.9(1.2) 3.5	3.6(1.2) 4.1	4.4(1.6) 4.6	2.9(1.2) 3.5	3.6(1.2) 4.1	4.4(1.6) 4.6		
EER	Cooling	W/W	3.82	3.51	3.60	3.49	3.26	3.35	3.04	3.26	3.35	3.04		
	Heating	W/W	3.80	3.85	3.95	3.98	4.40	4.20	3.73	4.40	4.20	3.73		
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)	-	-		
SEER	Cooling		7.00	7.00	6.60	6.60	6.70	6.55	-	6.55	-	-		
	Heating		4.30	4.40	4.20	4.30	4.30	-	-	4.30	-	-		
SCOP	Heating (Average)	W/W	4.30	4.40	4.20	4.30	4.30	-	-	4.30	-	-		
Energy Efficiency Class	Cooling		A++	A++	A++	A++	A++	-	-	A++	-	-		
	Heating (Average)		A	A	A	A	A	-	-	A	-	-		
Max. Operating Current	Cooling/Heating	A	12.7(12.1)	12.6(12.6)	13.6(13.6)	23.6(22.6)	23.6(22.6)	28.5(28.5)	28.5(28.5)	10.5(10.5)	14.0(14.0)	14.0(14.0)		
Annual Energy Consumption	Cooling	kWh/a	260	300	360	444	507	-	-	507	-	-		
	Heating	kWh/a	1.4(3)	1.5(2)	1.9(9)	2.6(1)	2.8(8)	-	-	2.8(8)	-	-		
Moisture Removal		l/h	1.5	2.2	2.7	2.5	3.3	4.5	5.0	3.3	4.5	5.0		
Sound Pressure Level	Indoor (Cooling)	H/ML/LQ	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)	H/ML/LQ	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/Heating)	High	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	47(47)	48(48)	49(49)	54(54)	58(58)	60(60)	61(61)	58(58)	60(60)	61(61)		
	Outdoor (Cooling/Heating)	High	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	1,050(1,160)	1,050(1,240)	1,150(1,270)	1,600(1,750)	1,810(1,750)	2,000(4,450)	2,100(4,450)	1,810(1,750)	2,000(4,450)	2,100(4,450)		
Net Dimensions	Indoor	mm	286-840-840	286-840-840	286-840-840	286-840-840	286-840-840	286-840-840	286-840-840	286-840-840	286-840-840	286-840-840		
	Outdoor	mm	621-789-320	621-789-320	716-820-315	788-940-315	788-940-315	788-940-315	788-940-315	788-940-315	788-940-315	788-940-315		
H x W x D	Indoor	kg (lbs)	23 (51)	23 (51)	24 (53)	28 (62)	29 (64)	29 (64)	29 (64)	29 (64)	29 (64)	29 (64)		
	Outdoor	kg (lbs)	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(1/2) 7.0	6.35(1/2) 7.0	6.35(1/2) 7.0	9.52(1/2) 8.8	9.52(1/2) 8.8	9.52(1/2) 8.8	9.52(1/2) 8.8	9.52(1/2) 8.8	9.52(1/2) 8.8	9.52(1/2) 8.8		
Drain Hose Diameter (I.D./O.D.)		mm	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		m	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	°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-1)	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	53-950 x 950	53-950 x 950	53-950 x 950	53-950 x 950	53-950 x 950	53-950 x 950	53-950 x 950	53-950 x 950	53-950 x 950	53-950 x 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 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-RCRV21	WLAN adapter:	UTY-TFSXZ1	Cassette Grille:	UTG-UKYA-B
Wired remote controller (touch panel):	UTY-RNRV25	UTY-RHFI-1	FJ-RC-001		UTG-UKYA-W
Wired remote controller:	UTY-RLRY	UTY-RXCS	UTY-RXCS	External input and output PCB:	UTG-UKY-W
	UTY-RNMY	UTY-GXRA	UTY-GXRA	External input and output PCB box:	UTR-YDZC
	UTY-RNVM	UTZ-KXRA	UTZ-KXRA	Insulation kit for high humidity:	UTY-VTGX
	UTY-RHRY	UTZ-VXRA	UTZ-VXRA	Fresh air intake kit:	UTY-VTGV
Simple remote controller (without operation mode):	UTY-RSRY	UTG-AKXA-W	UTG-AKXA-W	Wide Panel:	UTD-HFRA
Simple remote controller:	UTY-RSNVM	UTG-BKXA-W	UTG-BKXA-W	Panel Spacer:	
Human sensor kit:	UTY-SHXCZC	IR receiver unit:	UTY-LB7C	IR receiver unit:	UTY-LB7C
External switch controller:	UTY-TERX	External connect kit:	UTY-XWZXZG	External connect kit:	UTY-XWZXZ3

### Dimensions

(Unit: mm)

