

Compact Cassette

Model : AUYG12LVLB / AUYG14LVLB / AUYG18LVLB / AUYG24LVLA



Wireless R.C.



For AUYG12/14/18LVLB



For AUYG24LVLA



Features

2-stage turbo fan

High efficiency design by 2 stage structure

Wind velocity

Fast

Slow

Previous turbo fan

In the case of a conventional fan, the air outlet range was narrow as the airflow moved to the motor side which meant the velocity of air passing through the heat exchanger was uneven.

2-stage turbo fan

A evenly spread air distribution across the heat exchanger is possible due to the new 2 stage turbo fan which produces two separate airflow streams.

Heat exchange efficiency: **20%UP**

Quiet quality

Optimization of wing form (laminar wing type) and wing number (7 blades each)

Designed by CFD-analysis (fluid) simulations

Laminar wing

Airflow runs through smoothly along the laminar wing

No airflow separation

Quiet

Quiet

Adoption of laminar wing

Spin direction ← Airflow direction →

Easy maintenance

① Maintenance of fan motor and fan

Maintenance of the fan motor and fan can be done easily after taking off the panel as the bell mouth of the fan can be removed easily.

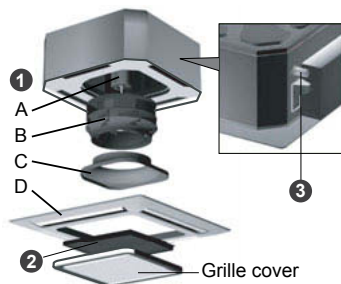
- A : Fan motor B : 2-stage turbo fan
C : Bell-mouth D : Panel

② Air filter

: standard equipment

③ Adaptation of transparent drainage parts

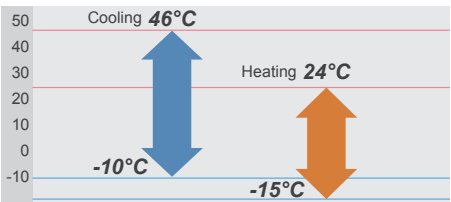
During installation, maintenance and operation, the drain pump and kit can be checked easily.



High lift drain pump



Low ambient operation



Compact design

Worlds first 24,000Btu model in the compact cassette category (Easy installation by taking off ceiling panel of 600 x 600 size)

Optional parts

Air Outlet Shutter Plate:	UTR-YDZB
Wired Remote Controller:	UTY-RNNYM, UTY-RVNYM
Simple Remote Controller:	UTY-RSNYM
Insulation Kit For High Humidity:	UTZ-KXGC
Fresh Air Intake Kit:	UTZ-VXAA



Specifications

Model No.	Indoor unit		AUYG12LVLB	AUYG14LVLB	AUYG18LVLB	AUYG24LVLA
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LALL	AOYG24LALA
Power Source		V/ Ø/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.8 (0.9-8.0)
	Heating		4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	8.0 (0.9-9.1)
Input Power	Cooling/Heating	kW	1.05/1.11	1.33/1.34	1.62/1.66	2.21/2.26
EER	Cooling	W/W	3.33	3.21	3.21	3.08
COP	Heating		3.69	3.71	3.61	3.54
Pdesign	Cooling/Heating (@-10°C)	kW	3.5/4.2	4.3/4.5	5.2/5.2	6.8/6.0
SEER	Cooling	W/W	6.20	6.40	6.20	5.60
SCOP	Heating (Average)		4.10	4.40	4.20	3.90
Energy Efficiency Class	Cooling		A++	A++	A++	A+
	Heating (Average)		A+	A+	A+	A
Running Current	Cooling/Heating	A	4.8/5.1	6.1/6.1	7.2/7.4	9.7/9.9
Annual Energy Consumption	Cooling	kWh/a	198	235	293	425
	Heating		1431	1432	1731	2151
Moisture Removal		l/h	1.2	1.5	2.2	2.7
Sound Pressure (Cooling)	Indoor	H/M/L/Q	37/34/30/27	38/34/30/27	38/34/30/26	49/44/36/30
	Outdoor	High	47	49	50	52
Sound Power (Cooling)	Indoor	High	49	50	50	59
	Outdoor	High	61	62	62	67
Airflow Rate (High)	Indoor / Outdoor	m³/h	600/1780	680/1910	680/2000	930/2470
Net Dimension H x W x D	Indoor	mm	245×570×570/49×700×700	245×570×570/49×700×700	245×570×570/49×700×700	245×570×570/49×700×700
		kg(lbs)	15 (33) / 2.6 (6)	15 (33) / 2.6 (6)	15 (33) / 2.6 (6)	16 (35) / 2.6 (6)
	Outdoor	mm	578×790×300	578×790×300	578×790×300	578×790×315
		kg(lbs)	40 (88)	40 (88)	40 (88)	44 (97)
Piping Connections (Small / Large)		mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88
Drain Hose Diameter (I.D./O.D.)			25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	25 (15)	30 (15)
Max Height Difference			15	15	15	20
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant (Global Warming Potential)			R410A (1,975)	R410A (1,975)	R410A (1,975)	R410A (1,975)
Cassette Grille			UTG-UFYD-W	UTG-UFYD-W	UTG-UFYD-W	UTG-UFYD-W

Dimensions Models : AUYG12LVLB / AUYG14LVLB / AUYG18LVLB / AUYG24LVLA

(Unit : mm)

