

Compact Cassette

4-way Flow
Compact & Comfort



2-stage turbo fan

High efficiency design by 2 stage structure

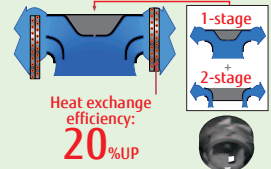
Previous turbo fan

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

An 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**

Wind velocity

Fast

Slow

Quiet quality

Optimized 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

Adoption of laminar wing

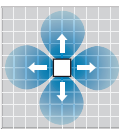
Quiet

Spin direction

Airflow direction

Improvement of the airflow distribution

New louver: The louver design distributes air leaving a space between the chassis and the ceiling allowing far and wide airflow distribution.



Bottom view

Front part

Ceiling

Rear part

Round louver

Much less temperature irregularity by spreading airflow widely

Low ambient operation

Cooling **46°C**

Heating **24°C**

-15°C at Heating

-10°C

-15°C

Model : AUHG12LVLB / AUHG14LVLB / AUHG18LVLB / AUHG24LVLA



Wireless R.C.



For AUHG12/14LVLB



For AUHG18LVLB



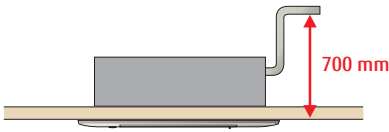
For AUHG24LVLA

Specifications

Model No.	Indoor unit		AUHG12LVLB	AUHG14LVLB	AUHG18LVLB	AUHG24LVLA
	Outdoor unit		AOHG12LALL	AOHG14LALL	AOHG18LBCB	AOHG24LBCB
Power Source			Single-phase, ~230V, 50Hz			
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 (0.9-9.0)
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
Max. Operating Current	Cooling/Heating	A	7.5/10.0	9.0/12.5	11.5/13.5	14.7/15.7
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
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	37/34/30/27	38/34/30/27	38/34/30/26	49/44/36/30
	Indoor (Heating)	H/M/L/Q	37/34/31/29	43/38/34/30	43/38/34/30	49/45/40/33
	Outdoor(Cooling/Heating)	High	47/48	49/49	50/50	53/54
Sound Power Level	Indoor(Cooling/Heating)	High	49/49	50/55	50/55	59/61
	Outdoor(Cooling/Heating)	High	61/63	62/64	62/65	66/66
Airflow Rate	Indoor / Outdoor	High	m³/h	600/1780	680/1910	680/2380
Net Dimensions H x W x D Weight	Indoor	mm	245×570×570	245×570×570	245×570×570	245×570×570
		kg(lbs)	15 (33)	15 (33)	15 (33)	16 (35)
	Outdoor	mm	578×790×300	578×790×300	632×820×290	716×820×315
		kg(lbs)	40 (88)	40 (88)	36 (79)	42 (95)
Connection Pipe Diameter (Liquid / Gas)		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	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.15 (2.4)	1.25 (2.6)	1.20 (2.5)	1.50 (3.1)
Cassette Grille	Model name		UTG-UFGD-W	UTG-UFGD-W	UTG-UFGD-W	UTG-UFGD-W
	Dimensions (H × W × D)		mm	49×700×700	49×700×700	49×700×700
	Weight		kg(lbs)	2.6 (6)	2.6 (6)	2.6 (6)

Optional parts

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



Dimensions

(Unit : mm)

