





### Specifications

эрсинскионэ	Indoor unit			AUHG12LVLB	AUHG14LVLB	AUHG18LVLB	AUHG24LVLA
				AOHG12LALL	AOHG14LALL	AOHG18LBCB	AOHG24LBCB
Power Source	Odtaooi t	unic		AUTIGIZEALE		, ~230V, 50Hz	AOTIGZAEDCD
_ Cooling				3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.8 (0.9-8.0)
Capacity	Heating		kW	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		KVV	3.33	3.21	3.21	3.08
COP	Heating		W/W	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		KVV	6.20	6.40	6.20	5.60
SCOP			W/W	4.10	4.40	4.20	3.90
	Heating (Average)			4.10 A++	4.40 A++	4.20 A++	3.90 A+
Energy Efficiency Class				A++ A+	A++ A+	A++ A+	A+ A
	Heating (Average)			7.5/10.0	9.0/12.5	11.5/13.5	14.7/15.7
Max. Operating Current	Cooling/Heating		A				
	nnual Energy Cooling onsumption Heating		kWh/a	198	235	293	425
				1,431	1,432	1,731	2,151
Moisture Removal			I/h	1.2	1.5	2.2	2.7
	( )/	H/M/L/Q	dB(A)	37/34/30/27	38/34/30/27	38/34/30/26	49/44/36/30
Sound Pressure Level	( )/	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 (Cooling)	High	m³/h	600/1,780	680/1,910	680/2,380	930/2,850
	Indoor / Outdoor (Heating)	High		600/1,630	800/1,740	800/2,080	930/2,700
Net Dimensions	Indoor		mm	245×570×570	245×570×570	245×570×570	245×570×570
HxWxD	Outdoor		mm	578×790×300	578×790×300	632×799×290	716×820×315
Weight	Indoor		kg(lbs)	15 (33)	15 (33)	15 (33)	16 (35)
	Outdoor		kg(lbs)	40 (88)	40 (88)	36 (79)	42 (95)
Connection Pipe Diameter (Liquid / Gas)				6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88
Drain hose Diameter (I.D./O.D.)			mm	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)				25 (15)	25 (15)	25 (15)	30 (15)
Max Height Difference			m	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 Poten	ntial)		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	49×700×700
	Weight		kn(lhs)	2.6.(6)	2.6.(6)	2.6.(6)	2.6.(6)

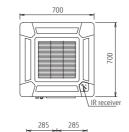
UTY-RNNGM, UTY-RVNGM UTY-RSNGM

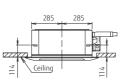
Air Outlet Shutter Plate: UTR-YDZB

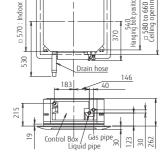


## Dimensions

(Unit:mm)







**Compact Cassette** 

Compact & Comfort













## 2-stage turbo fan

High efficiency design by 2 stage structure

### Previous turbo fan

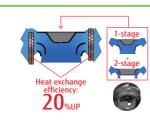
In the case of a conventional fan, the air outlet range was narrow as the airflow moved to the motor side which meant the velocity of air passing through the heat exchanger was uneven.





# 2-stage turbo fan

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

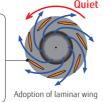


## Quiet quality

Optimized wing form (laminar wing type) and wing number (7 blades each)

### Designed by CFD-analysis (fluid) simulations



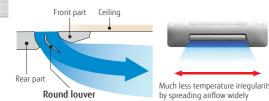




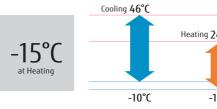
## Improvement of the airflow distribution



between the chassis and the ceiling allowing far and wide airflow distribution.



## Low ambient operation



# 4-way Flow







Wireless R.C.









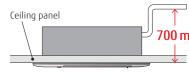
				AUHG12LVLB	AUHG14LVLB	AUHG18LVLB	AUHG24LVLA		
				AOHG12LALL	AOHG14LALL	AOHG18LBCB	AOHG24LBCB		
Power Source				Single-phase, ~230V, 50Hz					
Capacity	Cooling			3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.8 (0.9-8.0)		
	Heating		kW	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	8.0 (0.9-9.1)		
Input Power	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		14/04/	6.20	6.40	6.20	5.60		
SCOP	Heating (Average)		W/W	4.10	4.40	4.20	3.90		
Energy Efficiency Class	Cooli	ng	•	A++	A++	A++	A+		
	Heating (A	(verage)		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	Cooling		kWh/a	198	235	293	425		
Consumption	Heating	Heating		1,431	1,432	1,731	2,151		
Moisture Removal			I/h	1.2	1.5	2.2	2.7		
	Indoor (Cooling)	H/M/L/Q	-	37/34/30/27	38/34/30/27	38/34/30/26	49/44/36/30		
Sound Pressure Level	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		
	Indoor(Cooling/Heating)	High		49/49	50/55	50/55	59/61		
Sound Power Level	Outdoor(Cooling/Heating)	High		61/63	62/64	62/65	66/66		
Airflow Rate	Indoor / Outdoor (Cooling)	High	m³/h	600/1,780	680/1,910	680/2,380	930/2,850		
	Indoor / Outdoor (Heating)	High		600/1,630	800/1,740	800/2,080	930/2,700		
Net Dimensions	Indoor		mm	245×570×570	245×570×570	245×570×570	245×570×570		
$H \times W \times D$	Outdoor		mm	578×790×300	578×790×300	632×799×290	716×820×315		
Weight	Indoor		kg(lbs)	15 (33)	15 (33)	15 (33)	16 (35)		
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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)				25 (15)	25 (15)	25 (15)	30 (15)		
Max Height Difference			m	15	15	15	20		
Operation Range	Cooling		8600	-10 to 46	-10 to 46	-10 to 46	-10 to 46		
	Heating		*CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24		
Retrinerant	Type (Global Warming Pote	ential)		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	49×700×700		
	Weight		kg(lbs)	2.6 (6)	2.6 (6)	2.6 (6)	2.6 (6)		

### Optional parts

Simple Remote Controller: Insulation Kit For High Humidity: UTZ-KXGC IIT7-VXAA

Fresh Air Intake Kit:

Wireless LAN Interface: UTY-TFNXZ1 External Connect Kit: UTY-XWZX Cassette Grille: UTG-UFGD-W





The louver design distributes air leaving a space



