

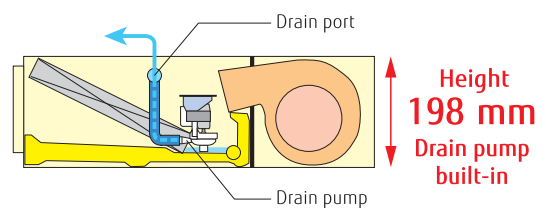
Slim Duct Slim & Comfort



Features

Slim design

The slim design allows installations where ceilings are narrow.
Drain hose as standard accessory



Flexible installation

2-type installation methods of ceiling concealed and floor concealed can be selected.

Ceiling concealed



Floor concealed



Selectable with a wide range of static pressure

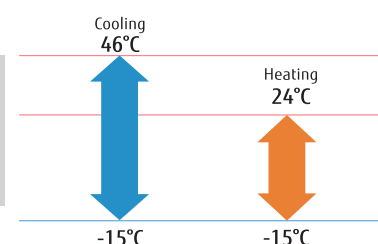
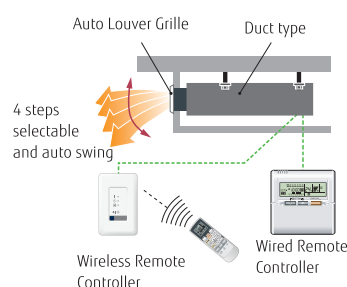
By using the DC fan motor, it is possible to change the static pressure range from 0 to 90 Pa.
The change of static pressure range is possible by remote controller.



Static pressure range
0 to 90 Pa

Auto Louver Grille Kit (Option)

Simple flat Auto Louver will provide comfort airflow and harmonize with luxury interior.



Model : ARYG12LLTB / ARYG14LLTB / ARYG18LLTB


Wired R.C.



ARYG12/14LLTB



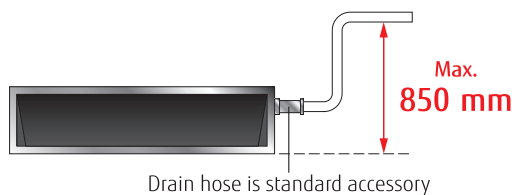
ARYG18LLTB


Specifications

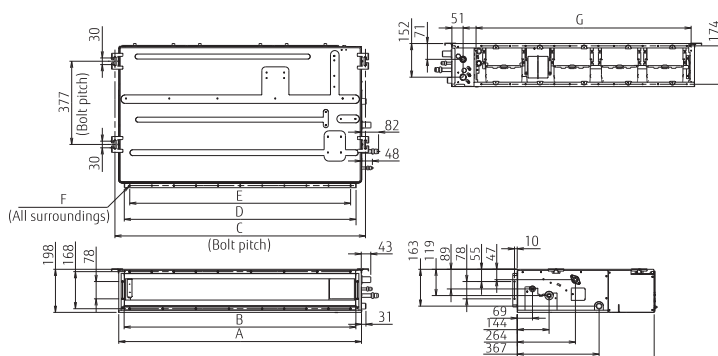
Model No.	Indoor unit		ARYG12LLTB	ARYG14LLTB	ARYG18LLTB
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LALL
Power Source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating		4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
Input Power	Cooling/Heating	kW	1.05/1.11	1.33/1.34	1.62/1.66
EER	Cooling	W/W	3.33	3.21	3.21
COP	Heating		3.69	3.71	3.61
Pdesign	Cooling/Heating(-10°C)	kW	3.5/4.2	4.3/4.5	5.2/5.2
SEER	Cooling	W/W	5.90	5.80	6.20
SCOP	Heating		4.00	3.90	4.10
Energy Efficiency Class	Cooling		A+	A+	A++
	Heating		A+	A	A+
Max. Operating Current	Cooling/Heating	A	7.5/10.0	9.0/12.5	9.0/12.5
Annual Energy Consumption	Cooling	kWh/a	207	259	293
	Heating		1467	1614	1774
Moisture Removal		l/h	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)	H/M/L/Q	29/28/26/24	32/30/28/25	32/30/29/27
	Outdoor (Cooling/Heating)	High	47/48	49/49	50/50
Sound Power Level	Indoor (Cooling/Heating)	High	58/58	60/60	58/58
	Outdoor (Cooling/Heating)	High	61/63	62/64	62/65
Airflow Rate	Indoor / Outdoor	High	650/1780	800/1910	940/2000
Static pressure range (Standard)		Pa	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Net Dimensions H x W x D Weight	Indoor	mm	198×700×620	198×700×620	198×900×620
		kg(lbs)	19 (42)	19 (42)	23 (51)
	Outdoor	mm	578×790×300	578×790×300	578×790×300
		kg(lbs)	40 (88)	40 (88)	40 (88)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/12.70	6.35/12.70
Drain hose Diameter (I.D./O.D.)			25/32	25/32	25/32
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	25 (15)
Max Height Difference			15	15	15
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	g	1,150	1,250	1,250

Optional parts

Wired Remote Controller:	UTY-RNNYM, UTY-RVNYM
Simple Remote Controller:	UTY-RSNYM
IR Receiver Kit:	UTY-LRHYM
Remote Sensor Unit:	UTY-XSZX
Auto Louver Grille Kit:	UTD-GXSA-W (For ARYG12 / 14LLTB)
	UTD-GXSB-W (For ARYG18LLTB)


Dimensions

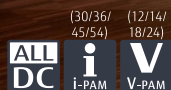
(Unit : mm)



	ARYG12 / 14LLTB	ARYG18LLTB
A	700	900
B	650	850
C	734	934
D	650	850
E	P100x6=600	P100x8=800
F	18xØ5	22xØ5
G	574	774

NEW

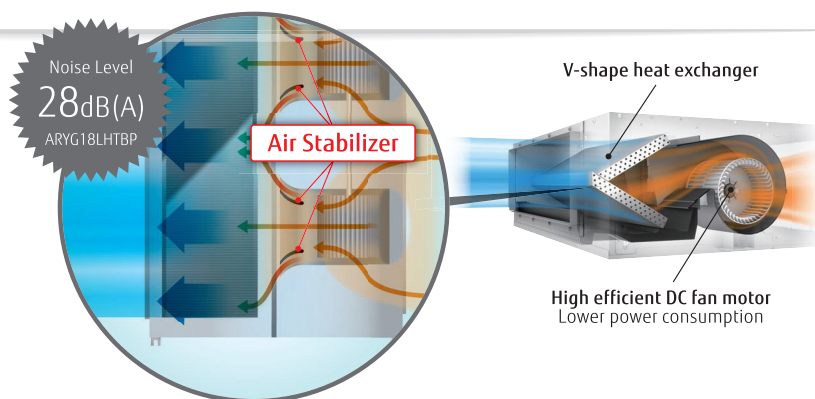
Medium Static Pressure Duct Compact & Comfort



Features

High Efficiency & Quiet operation

The combination of the V-shaped heat exchanger, air stabilizer, and the high efficient DC fan motor allowed high efficiency and quiet operation despite of the small structural design.



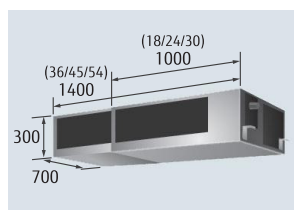
Automatic Airflow adjustment function

This unique and innovative function detects required air flow in each application case and automatically adjust the volume.



Improved installation flexibility

- Capable to be installed in various applications that requires static pressure of 30Pa to 200 Pa
- Built-in drain pump, rises drain up to 850 mm
- Unified depth throughout the range enables the selection of the capacity regardless of the additional space.

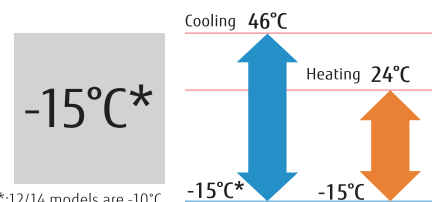


30 Pa 200 Pa
Short duct ↔ Long duct with damper

Improved service and maintenance

- Drain pump is easily detachable from the side
- Easy access to electrical box
- Error code can be checked more in detail from error history

Low ambient operation



**Model: ARYG12LHTBP/ARYG14LHTBP, ARYG18LHTBP/ARYG24LHTBP
ARYG30LHTBP/ARYG36LHTBP/ARYG45LHTBP/ARYG54LHTBP**


Touch Panel Wired R.C.



ARYG12/14LHTBP



ARYG18/24/30LHTBP



ARYG36/45/54LHTBP



For ARYG12/14LHTBP



For ARYG18/24LHTBP



For ARYG30/36LHTBP



For ARYG45/54LHTBP

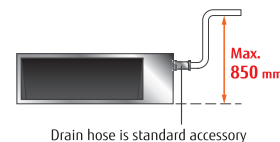
Specifications

Model No.	Indoor unit		ARYG12LHTBP	ARYG14LHTBP	ARYG18LHTBP	ARYG24LHTBP	ARYG30LHTBP	ARYG36LHTBP	ARYG45LHTBP	ARYG54LHTBP
	Outdoor unit		AOYG12LBLA	AOYG14LBLA	AOYG18LBCA	AOYG24LBCA	AOYG30LBTB	AOYG36LBTB	AOYG45LBTB	AOYG54LBTB
Power Source			Single-phase, ~230V, 50Hz							
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)
	Heating		4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-8.0)	8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-16.2)	16.0 (4.7-16.5)
Input Power	Cooling/Heating	kW	0.90/1.00	1.18/1.25	1.37/1.48	1.95/2.21	2.65/2.70	2.83/3.07	3.59/3.44	4.42/4.62
EER	Cooling	W/W	3.89	3.64	3.80	3.49	3.21	3.32	3.37	3.03
COP	Heating		4.10	4.00	4.05	3.62	3.70	3.65	3.87	3.46
Pdesign	Cooling/Heating(-10°C)	kW	3.5/4.2	4.3/4.5	5.2/ 4.3	6.8/ 6.0	8.5/8.0	9.4/8.7	-	-
SEER	Cooling	W/W	6.20	5.90	7.15	6.50	5.95	5.81	-	-
SCOP	Heating (Average)		4.10	3.95	4.11	4.01	3.95	3.81	-	-
Energy Efficiency Class	Cooling		A++	A+	A++	A++	A+	A+	-	-
	Heating (Average)		A+	A	A+	A+	A	A	-	-
Max. Operating Current	Cooling/Heating	A	7.5/10.0	9.0/12.5	10.0/13.5	13.5/18.5	17.0/17.0	20.0/20.0	22.5/22.5	23.5/23.5
Annual Energy Consumption	Cooling	kWh/a	*	*	255	366	500	566	*	*
	Heating		*	*	1462	2092	2833	3194	*	*
Moisture Removal		l/h	*	*	1.2	1.8	2.3	2.0	2.6	3.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	32/30/25/22	33/28/27/23	28/25/22/20	32/28/24/21	36/33/30/29	36/31/28/26	39/35/31/29	39/35/31/29
	Indoor (Heating)	H/M/L/Q	32/30/25/22	33/28/27/23	28/25/22/20	32/28/24/21	36/33/30/29	33/31/28/26	39/35/31/29	39/35/31/29
Sound Power Level	Outdoor(Cooling/Heating)	High	47/48	49/49	50/51	55/56	53/55	54/55	55/57	55/57
	Indoor(Cooling/Heating)	High	*	*	54/54	57/57	63/65	64/63	67/69	67/69
	Outdoor(Cooling/Heating)	High	61/63	62/63	63/62	68/68	68/69	69/70	68/68	69/71
Airflow Rate (High)	Indoor / Outdoor	High	m³/h	850/1780	950/1910	1050/ 1900	1360/ 2460	1700/ 3600	2050/ 3800	2550/ 6750
Static pressure range (Standard)		Pa	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (47)	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)
Net Dimensions H x W x D Weight	Indoor	mm	300×700×700	300×700×700	300×1000×700	300×1000×700	300×1000×700	300×1400×700	300×1400×700	300×1400×700
		kg(lbs)	27 (59)	27 (59)	36 (79)	36 (79)	36 (79)	46 (101)	46 (101)	46 (101)
	Outdoor	mm	578×790×300	578×790×300	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330
		kg(lbs)	40 (88)	40 (88)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)			25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)
Max Height Difference			15	15	20	20	30	30	30	30
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-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)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	g	1,150	1,250	1,800	1,800	2,100	2,100	3,350	3,350

*:That specification is not fixed yet.

Optional parts

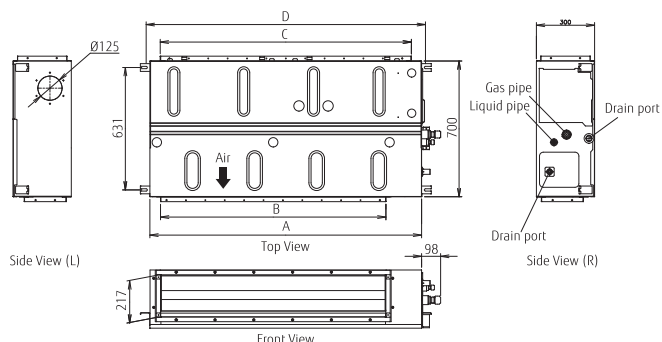
Wired Remote Controller:	UTY-RNRYZ1,UTY-RVNYM,UTY-RNNYM,UTY-RLRY	Long life filter:	UTD-LFNA (for ARYG36/45/54LHTBP)
Simple Remote Controller:	UTY-RSNYM		UTD-LFNB (for ARYG24/30LHTBP)
IR Receiver Unit :	UTY-LBTYM		UTD-LFNC (for ARYG12/14LHTBP)
External input and output PCB (with bracket):	UTY-XCSX + UTZ-GXNA	Remote Sensor Unit:	UTY-XSZX
External connect kit:	UTY-XWZXZG, UTY-XWZXZ3		



Drain hose is standard accessory

Dimensions

(Unit : mm)



	ARYG12/14LHTBP	ARYG18/24/30LHTBP	ARYG36/45/54LHTBP
A	700	1,000	1,400
B	462	762	1,162
C	650	895	1,295
D	740	1,040	1,440

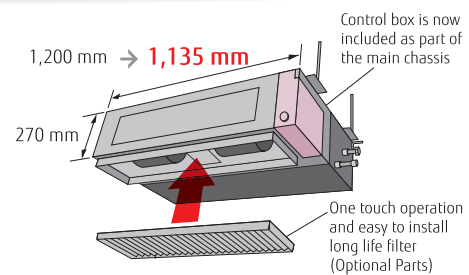
Medium Static Pressure Duct High Efficiency & Comfort



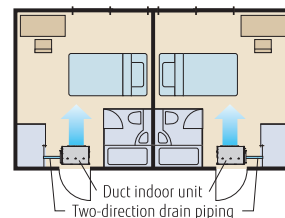
Features

Slim & Compact design

In the case of bottom return air connection, not only does the indoor unit design allow for installation in a narrow ceiling space of up to 270 mm, Further space savings have been achieved by mounting the control box internally inside the chassis.



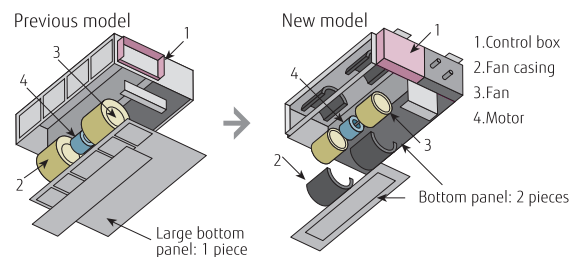
Two-direction drain piping



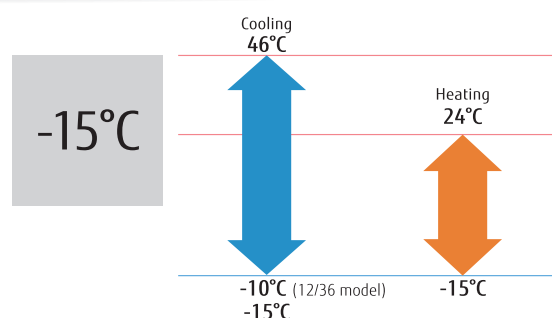
Easy maintenance

Structural improvement is attained by making the bottom panel two pieces, front and rear. The internal fan casing is also manufactured in two pieces, namely upper and lower. The maintenance of the motor and fan can be easily carried out by removing the rear panel and the lower part of the casing while leaving the main chassis installed.

See below for the case of rear suction type



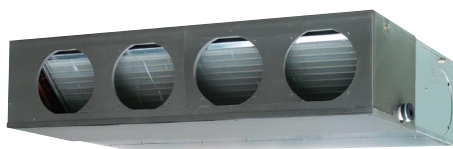
Low ambient operation



**Model : ARYG24LMLA / ARYG30LMLE / ARYG36LMLE / ARYG45LMLA /
ARYG36LMLA [3phase] / ARYG45LMLA [3phase]**



Wired R.C.



For ARYG24LMLA



For ARYG30/36LMLE



For ARYG36/45LMLA

Specifications

Model No.	Indoor unit		ARYG24LMLA	ARYG30LMLE	ARYG36LMLE	ARYG45LMLA	ARYG36LMLA	ARYG45LMLA
	Outdoor unit		AOYG24LALA	AOYG30LETL	AOYG36LETL	AOYG45LETL	AOYG36LATT	AOYG45LATT
Power Source			Single-phase, ~230V, 50Hz				3-phase, ~400V, 50Hz	
Capacity	Cooling	kW	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	4.3 (0.9-5.4)	10.0 (4.7-11.4)	12.5 (5.0-14.0)
	Heating	kW	8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	5.0 (0.9-6.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)
Input Power	Cooling/Heating	kW	2.21/2.26	2.65/2.68	2.96/3.10	1.33/1.34	2.84/2.87	3.89/3.88
EER	Cooling	W/W	3.08	3.21	3.18	3.21	3.52	3.21
COP	Heating	W/W	3.54	3.73	3.61	3.71	3.90	3.61
Pdesign	Cooling/Heating (-10°C)	kW	6.8/6.0	8.5/8.0	9.4/8.7	4.3/4.5	10.0/10.0	-
SEER	Cooling	W/W	6.20	5.90	5.70	5.80	5.80	-
SCOP	Heating	W/W	4.00	3.90	3.80	3.90	4.00	-
Energy Efficiency Class	Cooling		A++	A+	A+	A+	A+	-
	Heating		A+	A	A	A	A+	-
Max. Operating Current	Cooling/Heating	A	12.0/13.5	17.0/17.0	18.5/20.0	21.0/21.0	8.5/8.5	9.5/9.5
Annual Energy Consumption	Cooling	kWh/a	384	504	576	259	603	-
	Heating	kWh/a	2098	2868	3202	1614	3497	-
Moisture Removal		l/h	2.5	2.5	3.0	1.5	3.0	4.5
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	31/29/27/25	39/35/30/26	39/35/30/26	32/30/28/26	38/36/31/26	42/38/32/28
	Indoor (Heating)	H/M/L/Q	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	40/36/31/26	42/38/32/28
Sound Power Level	Outdoor (Cooling/Heating)	High	52/53	53/55	54/55	55/55	51/53	54/54
	Indoor (Cooling/Heating)	High	60/62	65/69	65/70	-	65/67	-
Airflow Rate	Indoor (Cooling/Heating)	High	67/70	68/69	69/70	-	67/69	-
	Outdoor (Cooling/Heating)	High	67/70	68/69	69/70	-	67/69	-
Static pressure range (Standard)		Pa	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	0 to 90 (25)	30 to 150 (47)	30 to 150 (60)
Net Dimensions H x W x D	Indoor	mm	270×1135×700	270×1135×700	270×1135×700	198×700×620	270×1135×700	270×1135×700
	Outdoor	mm	578×790×315	830×900×330	830×900×330	578×790×300	1290×900×330	1290×900×330
Weight	Indoor	kg(lbs)	38 (84)	40 (88)	40 (88)	19 (42)	40 (88)	40 (88)
	Outdoor	kg(lbs)	578 (1270)	830 (1830)	830 (1830)	578 (1270)	1290 (2840)	1290 (2840)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/15.88	9.52/15.88	9.52/15.88	6.35/12.70	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)		mm	35.7/38.1	35.7/38.1	35.7/38.1	25/32	35.7/38.1	35.7/38.1
Max Pipe Length (Pre-Charge)		m	30 (15)	50 (20)	50 (20)	25 (15)	75 (30)	75 (30)
Max Height Difference		m	20	30	30	15	30	30
Operation Range	Cooling	°CDB	-10 to 46	-15 to 46	-15 to 46	-10 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
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	g	1,700	2,100	2,100	3,350	3,450	3,450

Optional parts

Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

Flange (Round): UTD-RF204

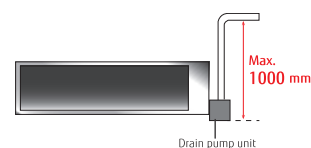
Flange (Square): UTD-SF045T

Long Life Filter: UTD-LF25NA

Remote Sensor Unit: UTY-XS2X

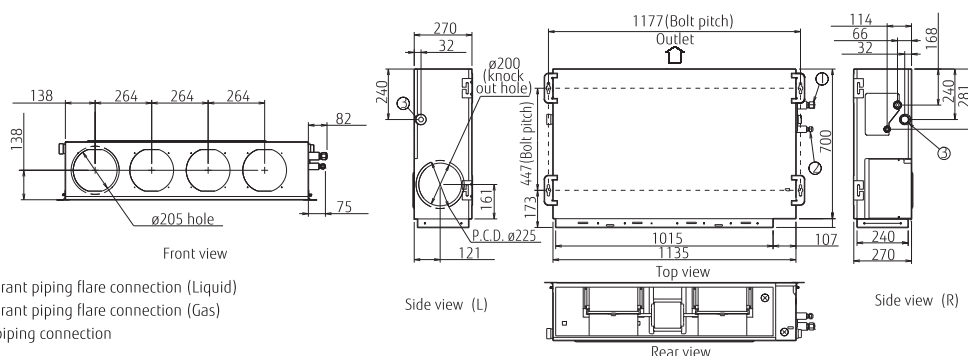
Drain Pump Unit: UTY-PXINBA

IR Receiver Kit: UTY-LRHYM



Dimensions

(Unit : mm)



High Static Pressure Duct

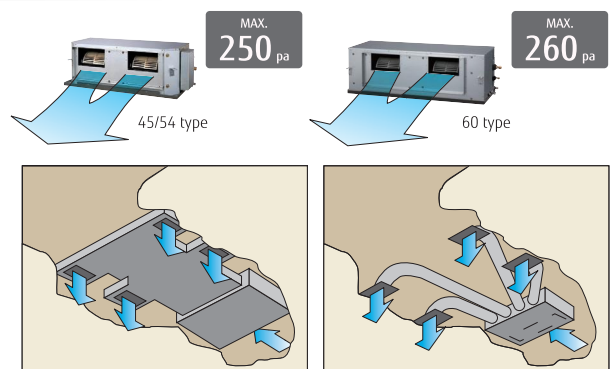


Features

High energy efficiency

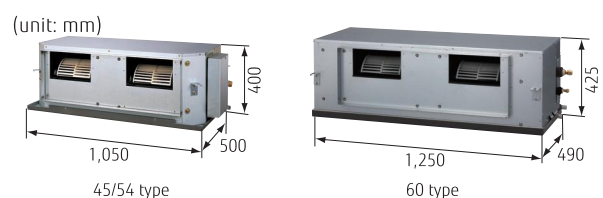
Significantly greater efficiency is realized by using all DC inverter technology. (60 type)

Design also corresponding to high static pressure



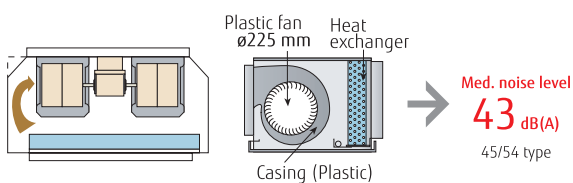
Easy installation (Compact size & Lightweight)

A compact size and lightweight indoor unit has been developed by reducing the basic chassis and the overall material weight.

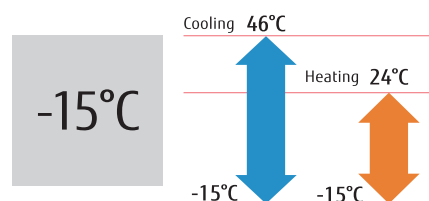


Low noise

Cutting off the corners has enabled less turbulent airflow. Low noise is realized by adopting a plastic case and a plastic fan.



Low ambient operation



**Model : ARYG45LHTA / ARYG54LHTA /
ARYG45LHTA [3phase] / ARYG54LHTA [3phase] / ARYG60LHTA [3phase]**



Wired R.C.



ARYG45/54LHTA



ARYG60LHTA



Specifications

Model No.	Indoor unit		ARYG45LHTA	ARYG54LHTA	ARYG45LHTA	ARYG54LHTA	ARYG60LHTA
	Outdoor unit		AOYG45LETL	AOYG54LETL	AOYG45LATT	AOYG54LATT	AOYG60LATT
Power Source			Single-phase, ~230V, 50Hz		3-phase, ~400V, 50Hz		
Capacity	Cooling	kW	12.5 (4.5-14.0)	13.4 (5.0-14.5)	12.5 (5.0-14.0)	14.0 (5.4-16.0)	15.0 (6.2-17.5)
	Heating		14.0 (5.0-16.2)	16.0 (5.5-18.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)	18.0 (6.2-20.0)
Input Power	Cooling/Heating	kW	4.30/3.80	4.77/4.69	4.06/3.67	4.65/4.37	4.70/5.15
EER	Cooling	W/W	2.91	2.81	3.08	3.01	3.19
COP	Heating		3.68	3.41	3.81	3.66	3.50
Max. Operating Current	Cooling/Heating	A	22.5/22.5	23.5/23.5	11.0/11.0	12.0/12.0	12.5/12.5
Moisture Removal			l/h	2.0	1.5	2.5	2.0
Sound Pressure	Indoor (Cooling)	H/M/L/Q	47/43/40/-	47/43/40/-	47/43/40/-	47/43/40/-	45/40/36/-
	Indoor (Heating)	H/M/L/Q	47/43/40/-	47/43/40/-	47/43/40/-	47/43/40/-	45/40/36/-
	Outdoor(Cooling/Heating)	High	55/55	55/57	54/54	55/56	56/58
Airflow Rate	Indoor / Outdoor	High	m ³ /h	3350/6750	3350/6750	3350/6900	3550/6900
Static pressure range (Standard)			Pa	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	60 to 260 (60)
Net Dimensions H x W x D Weight	Indoor	mm	400×1050×500	400×1050×500	400×1050×500	400×1050×500	425×1250×490
		kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)	54 (119)
	Outdoor	mm	1290×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330
		kg(lbs)	86 (189)	86 (189)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)			mm	23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4
Max Pipe Length (Pre-Charge)			m	50 (20)	50 (20)	75 (30)	75 (30)
Max Height Difference			m	30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-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	g	3,350	3,350	3,450	3,450	3,450

Optional parts

Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

Long-Life Filter: UTD-LF60KA (For ARYG45/54LHTA only)

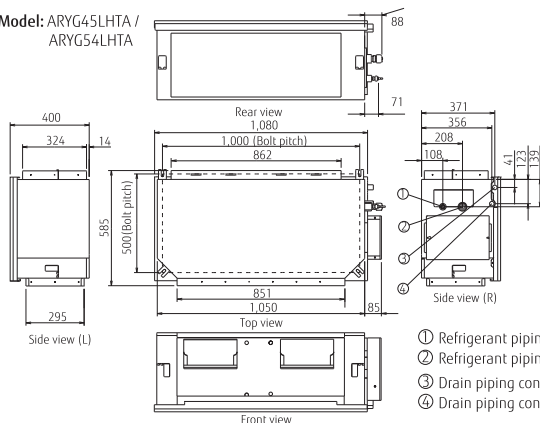
Remote Sensor Unit: UTY-XSZX

IR Receiver Kit: UTY-LRHYM(For ARYG60LHTA only)

Dimensions

(Unit : mm)

Model: ARYG45LHTA /
ARYG54LHTA



Model: ARYG60LHTA

