

## Slim Duct

Slim Design



### Slim design

The slim design fits nicely into narrow spaces under the ceiling. Drain hose as standard accessory



### Compact and lightweight outdoor unit

The compact and lightweight outdoor unit offers greater flexibility in the choice of installation location. This makes it easier to use this outdoor unit.



### Wide range of static pressures

The use of a DC fan motor makes it possible to adjust the static pressure between 0 and 90 Pa. The static pressure range can be changed by a remote controller.



Static pressure range  
0 to 90 Pa

### Auto Louver Grille Kit (Option)

The optional clean-looking flat Auto louver blends into any interior and provides a comfortable airflow.



### 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.

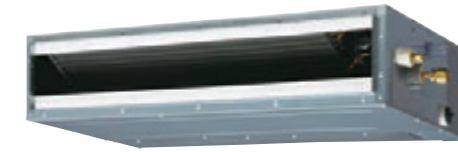


Central Control System

Model: ARXG09KLLAP/ARXG12KLLAP/ARXG14KLLAP/ARXG18KLLAP



ARXG09/12/14KLLAP



ARXG18KLLAP



For ARXG09/12/14KLLAP For ARXG18KLLAP

### Specifications

Model name	Indoor unit		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP
	Outdoor unit		AOYG09KBTB	AOYG12KBTB	AOYG14KBTB	AOYG18KBTB
Power Source	Single phase, ~230 V, 50 Hz					
Capacity	Cooling	kW	2.5 (0.9-3.2)	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating		3.2 (0.9-4.7)	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
Input Power	Cooling/Heating	kW	0.60/0.79	0.93/1.08	1.28/1.32	1.55/1.62
EER	Cooling	W/W	4.17	3.76	3.36	3.35
	Heating		4.05	3.80	3.79	3.70
COP	Cooling	W/W	4.17	3.76	3.36	3.35
	Heating		4.05	3.80	3.79	3.70
Pdesign	Cooling/Heating (-10°C)	kW	2.5/2.6	3.5/3.4	4.3/3.8	5.2/4.4
SEER	Cooling	W/W	6.20	6.10	5.80	6.20
	Heating		4.30	4.00	3.90	4.10
SCOP	Cooling	W/W	4.30	4.00	3.90	4.10
	Heating		4.30	4.00	3.90	4.10
Energy Efficiency Class	Cooling	W/W	A++	A++	A+	A++
	Heating		A+	A+	A	A+
Max. Operating Current	Cooling/Heating	A	7.9/7.9	9.7/9.7	10.2/10.2	12.1/12.1
	Cooling		141	201	259	293
Annual Energy Consumption	Cooling	kWh/a	845	1,189	1,362	1,501
	Heating		0.7	1.3	1.5	2.0
Moisture Removal	Cooling	l/h	0.7	1.3	1.5	2.0
	Heating		0.7	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	28/27/26/25	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)		H/M/L/Q	28/26/25/24	29/28/26/24	32/30/28/25
Sound Power Level	Outdoor (Cooling/Heating)	High	46/46	47/47	49/49	50/50
	Indoor (Cooling/Heating)		High	57/57	58/58	60/60
Airflow Rate	Indoor/Outdoor (Cooling)	High	600/1,480	650/1,580	800/1,670	940/2,160
	Indoor/Outdoor (Heating)		High	600/1,410	650/1,520	800/1,580
Static pressure range (Standard)		Pa	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Net Dimensions H x W x D	Indoor	mm	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 900 × 620
	Outdoor		mm	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290
Weight	Indoor	kg (lbs)	17 (37)	17 (37)	17 (37)	20 (44)
	Outdoor		kg (lbs)	32 (71)	33 (73)	33 (73)
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70
Drain Hose Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)		m	20 (15)	25 (15)	25 (15)	30 (20)
Max. Height Difference		m	15	20	20	20
Operating Range	Cooling	°CDB	-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
Refrigerant	Type (Global Warming Potential)	kg (CO2eq-T)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		0.85 (0.574)	0.85 (0.574)	0.85 (0.574)	1.02 (0.689)

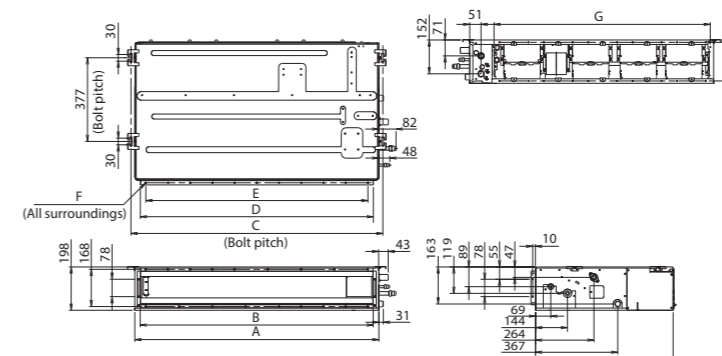
### Optional parts

\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-046.

Compact wired remote controller:	UTY-RCRYZ1	External switch controller:	UTY-TERX	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller (touch panel):	UTY-RNRYZ5	WLAN adapter:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller:	UTY-RLRY		FJ-RC-WIFI-1	External connect kit:	UTY-XWZXZG
	UTY-RNNYM	Silver Ion Filter:	UTD-HFTA (09-14)	Remote sensor unit:	UTY-XSZX
	UTY-RVNYM		UTD-HFTB (18)	Fresh air intake kit:	UTZ-VXAA
Simple remote controller (without operation mode):	UTY-RHRY	Auto Louver Grille Kit:	UTD-GXTA-W (09-14)		
Simple remote controller:	UTY-RSRY		UTD-GXTB-W (18)		
	UTY-RSNYM	IR receiver unit:	UTY-LBTYM		

### Dimensions

(Unit: mm)



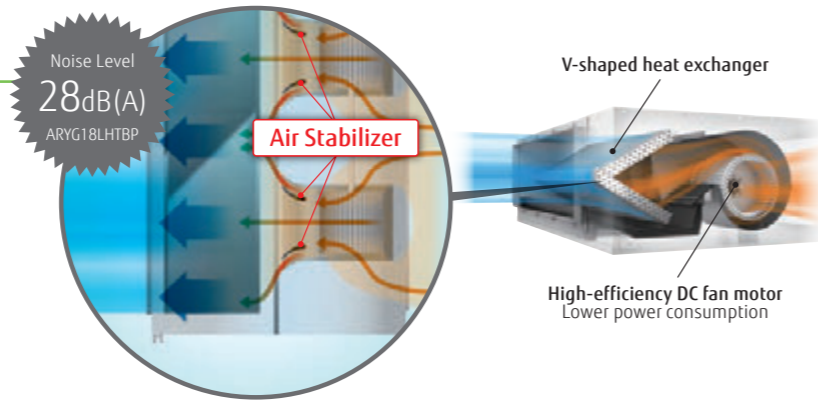
	ARXG09/12/14KLLAP	ARXG18KLLAP
A	700	900
B	650	850
C	734	934
D	650	850
E	P100 × 6 = 600	P100 × 8 = 800
F	18 × Ø5	22 × Ø5
G	574	774

# Medium Static Pressure Duct Compact Size



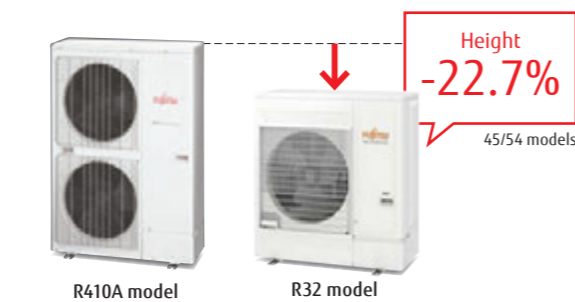
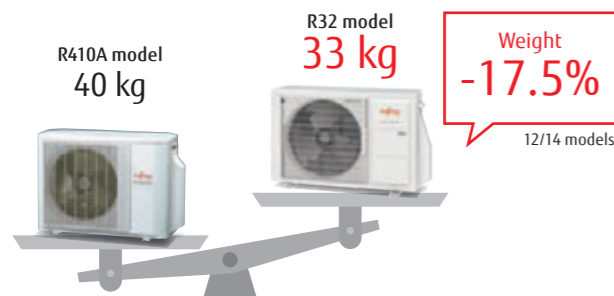
## High-Efficiency & Quiet Operation

The combination of the V-shaped heat exchanger, air stabilizer, and the high-efficiency DC fan motor enable high-efficiency and quiet operation.



## Small, lightweight outdoor unit

The outdoor unit in this series is smaller and lighter than previous-generation outdoor units. It can be installed in a narrow space.



## Automatic Airflow adjustment function

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



## 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.



Model: ARXG12KHTAP/ARXG14KHTAP/ARXG18KHTAP/ARXG22KHTAP/ARXG24KHTAP  
ARXG30KHTAP/ARXG36KHTAP/ARXG45KHTAP/ARXG54KHTAP  
ARXG36KHTAP [3-phase]/ARXG45KHTAP [3-phase]/ARXG54KHTAP [3-phase]



## Specifications

Model name	Indoor unit		ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP	ARXG36KHTA	ARXG45KHTA	ARXG54KHTA	
	Outdoor unit		ADVG12KHTB	ADVG14KHTB	ADVG18KHTB	ADVG22KHTB	ADVG24KHTB	ADVG30KHTB	ADVG36KHTB	ADVG45KHTB	ADVG54KHTB	ADVG36KHTA	ADVG45KHTA	ADVG54KHTA	
Power Source	Single phase, ~230 V, 50 Hz											3-phase, ~400 V, 50 Hz			
Capacity	Cooling	kW													
	Heating	kW													
Input Power	Cooling/Heating	kW													
		W/W													
EER	Cooling	W/W													
	Heating	W/W													
COP	Cooling	W/W													
	Heating	W/W													
Pdesign	Cooling/Heating (-10°C)	kW													
		W/W													
SEER	Cooling	W/W													
	Heating (Average)	W/W													
SCOP	Cooling	W/W													
	Heating (Average)	W/W													
Energy Efficiency Class	Cooling	A++													
	Heating (Average)	A+													
Max. Operating Current	Cooling/Heating	A													
		kWh/a													
Annual Energy Consumption	Cooling	kWh/a													
	Heating	kWh/a													
Moisture Removal	Cooling	l/h													
	Heating	l/h													
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q													
	Indoor (Heating)	H/M/L/Q													
Sound Power Level	Outdoor (Cooling/Heating)	dB(A)													
		dB(A)													
Airflow Rate	Indoor (Cooling/Heating)	High													
	Indoor/Outdoor (Cooling)	High													
Static pressure range (Standard)	Indoor (Cooling)	Pa													
	Indoor (Heating)	Pa													
Net Dimensions	Indoor	mm													
	Outdoor	mm													
H x W x D	Indoor	mm													
	Outdoor	mm													
Weight	Indoor	kg (lbs)													
	Outdoor	kg (lbs)													
Connection Pipe Diameter (Liquid/Gas)	Indoor (Cooling)	mm													
	Indoor (Heating)	mm													
Drain Hose Diameter (I.D./O.D.)	Indoor (Cooling)	mm													
	Indoor (Heating)	mm													
Max. Pipe Length (Pre-Charge)	Indoor (Cooling)	m													
	Indoor (Heating)	m													
Max. Height Difference	Indoor (Cooling)	m													
	Indoor (Heating)	m													
Operating Range	Cooling	°CDB													
	Heating	°CDB													
Refrigerant	Type (Global Warming Potential)	R32 (675)													
	Charge	kg (CO2eq-T)													

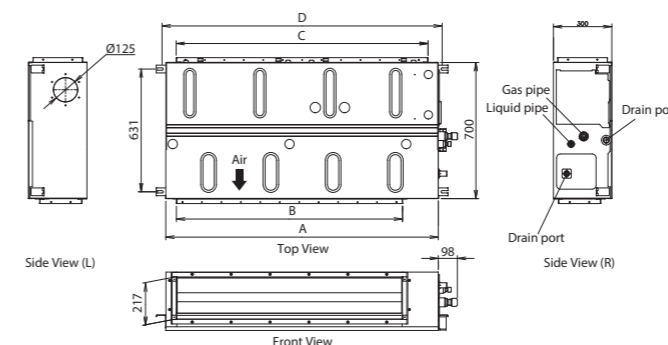
## Optional parts

\* For optional parts compatibility of Inetis devices, refer to the optional parts compatibility list Page C-046.

Compact wired remote controller:	UTY-RCRYZ1	External input and output PCB:	UTY-XCSX	WLAN adapter:	UTY-TFSXZ1
Wired remote controller (touch panel):	UTY-RNRYZ5	External connect kit:	UTY-XWZXXG		FJ-RC-WIFI-1
Wired remote controller:	UTY-RLRY	External input and output PCB:	UTZ-GXNA	Network Converter for single split (DC power supply type):	UTY-VTGX
	UTY-RNNYM	Long-life filter:	UTD-LFNA (36-54)	Network Converter for single split (AC power supply type):	UTY-VTGXV
	UTY-RVNYM		UTD-LFNB (18-30)		
Simple remote controller (without operation model):	UTY-RHRY		UTD-LFNC (12-14)		
Simple remote controller:	UTY-RSRY	Silver Ion Filter:	UTD-HFNC (12/14)	(Outdoor unit 30/36/45/54)	
	UTY-RSNYM		UTD-HFNB (18-30)	External connect kit:	UTY-XWZXX3
Remote sensor unit:	UTY-XSXX	IR receiver unit:	UTY-LBTYM		
External switch controller:	UTY-TERX				

## Dimensions

(Unit: mm)



	ARXG12/14KHTAP	ARXG18/22/24/30KHTAP	ARXG36/45/54KHTAP
A	700	1,000	1,400
B	462	762	1,162
C	650	895	1,295
D	740	1,040	1,440

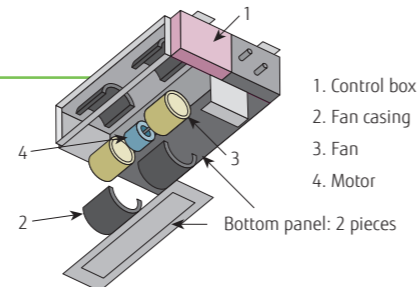


# Medium Static Pressure Duct Standard



## Easy maintenance

Structural improvement is attained by making the bottom panel in two pieces—front and rear. The internal fan casing is also manufactured in two pieces—upper and lower. As a result, the motor and fan can be easily accessed and maintained by removing the rear panel and the lower casing while leaving the main chassis in place.

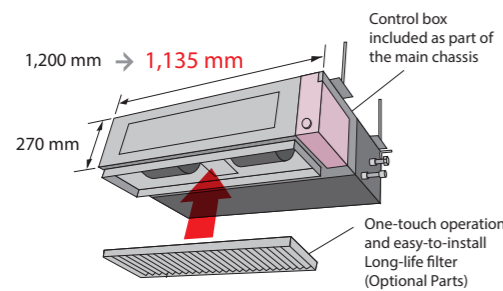


See below for case of rear-suction type

## Slim & Compact Design

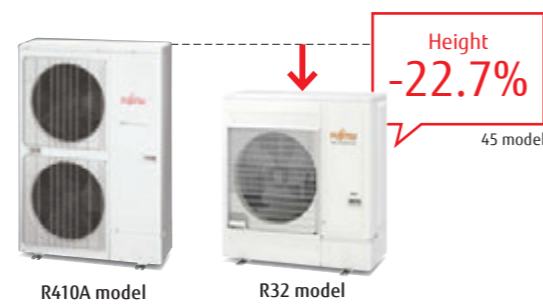
### Indoor Unit

The slim and compact design of the indoor unit, with the control box mounted on the side, allows installation in narrow spaces.

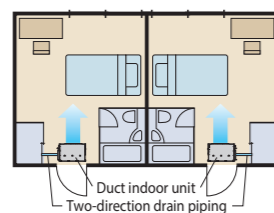


### Outdoor Unit

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.



## Two-direction drain piping



## 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.



Model: ARXG22KMLB/ARXG24KMLA/ARXG30KMLA/ARXG36KMLA/ARXG45KMLA  
ARXG36KMLA [3-phase]/ARXG45KMLA [3-phase]



## Specifications

Model name	Indoor unit		ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	ARXG36KMLA	ARXG45KMLA	
	Outdoor unit		AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG36KRTA	AOYG45KRTA	
Power Source	Single phase, ~230 V, 50 Hz							3-phase, ~400 V, 50 Hz		
Capacity	Cooling	kW	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-13.0)	9.5 (2.8-11.2)	12.1 (4.0-13.0)	
	Heating		7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	13.5 (4.2-15.2)	10.8 (2.7-12.7)	13.5 (4.2-15.2)	
Input Power	Cooling/Heating	kW	1.78/1.87	2.14/1.97	2.65/2.63	2.97/2.88	4.22/3.84	2.97/2.88	4.22/3.84	
	Cooling		3.37	3.18	3.21	3.20	2.87	3.20	2.87	
EER	Cooling	W/W	3.74	3.80	3.80	3.75	3.52	3.75	3.52	
	Heating		3.74	3.80	3.80	3.75	3.52	3.75	3.52	
Pdesign	Cooling/Heating (-10°C)	kW	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	9.5/8.7	-	
	Cooling		6.10	6.20	6.23	6.10	-	6.10	-	
SEER	Cooling	W/W	4.10	4.10	4.00	4.00	-	4.00	-	
	Heating		4.10	4.10	4.00	4.00	-	4.00	-	
SCOP	Cooling	A	A++	A++	A++	A++	-	A++	-	
	Heating		A+	A+	A+	A+	-	A+	-	
Max. Operating Current	Cooling/Heating	A	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	10.5/10.5	14.0/14.0	
	Cooling		344	384	477	545	-	545	-	
Annual Energy Consumption	Cooling	kWh/a	1.637	2.045	2.797	3.044	-	3.044	-	
	Heating		2.1	2.5	2.5	3.0	4.0	3.0	4.0	
Moisture Removal	Indoor (Cooling)	H/M/L/Q	31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	39/35/30/26	42/38/32/28	
	Indoor (Heating)		H/M/L/Q	31/29/27/25	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	42/35/30/26	42/38/32/28
Sound Pressure Level	Outdoor (Cooling/Heating)	dB(A)	High	51/51	53/54	53/55	55/55	57/57	55/55	57/57
	Indoor (Cooling/Heating)		High	60/62	60/62	65/69	65/70	68/70	65/70	68/70
Sound Power Level	Outdoor (Cooling/Heating)	High	63/63	65/66	68/69	70/70	71/71	70/70	71/71	
	Indoor (Cooling/Heating)		High	1,100/2,240	1,100/2,700	1,900/3,750	1,900/3,750	2,100/4,450	1,900/3,750	2,100/4,450
Airflow Rate	Indoor/Outdoor (Cooling)	m³/h	High	1,100/1,960	1,100/2,700	2,100/3,750	2,100/3,750	2,100/4,450	2,100/3,750	2,100/4,450
	Indoor/Outdoor (Heating)		High	30 to 150 (35)	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)	30-150 (47)	30-150 (60)
Static pressure range (Standard)	Indoor	Pa	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	
	Outdoor		mm	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320
Net Dimensions H x W x D	Indoor	mm	35 (77)	35 (77)	38 (84)	38 (84)	39 (86)	38 (84)	39 (86)	
	Outdoor		kg (lbs)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	53 (117)	67 (148)
Weight	Indoor	kg (lbs)	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
	Outdoor		mm	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1
Connection Pipe Diameter (Liquid/Gas)	Indoor/Outdoor (Cooling)	m	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	
	Indoor/Outdoor (Heating)		25	25	30	30	30	30	30	
Max. Height Difference	Cooling	°CDB	-15 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	
Operating Range	Type (Global Warming Potential)	kg (CO2eq-T)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	
	Charge		1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	

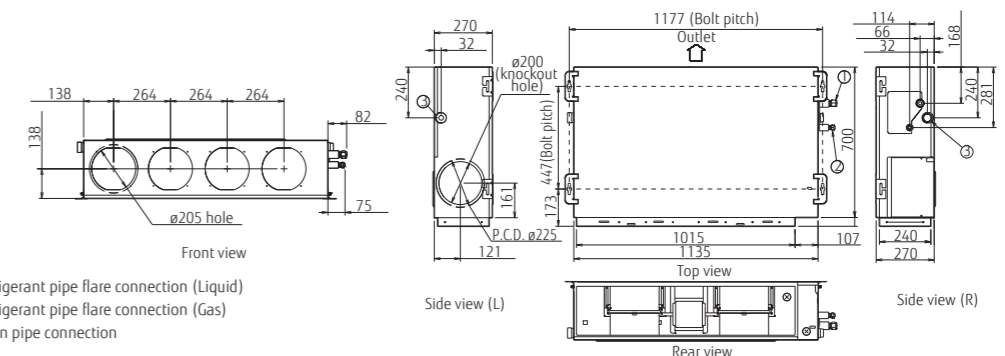
## Optional parts

\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-046.

Compact wired remote controller:	UTY-RCRYZ1	External switch controller:	UTY-TERX	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller (touch panel):	UTY-RNRYZ5	WLAN adapter:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller:	UTY-RLRY		FJ-RC-WIFI-1	Drain pump unit:	UTZ-PXINBA
	UTY-RNNYM	Flange (Round):	UTD-RF204	Long-life filter:	UTD-LF25NA
	UTY-RVNYM	Flange (Square):	UTD-SF045T	Silver Ion Filter:	UTD-HFND
Simple remote controller (without operation mode):	UTY-RHRY	IR receiver unit:	UTY-LBTYM		
Simple remote controller:	UTY-RSRY	Remote sensor unit:	UTY-XSZX	(Outdoor unit 30/36/45/54)	
	UTY-RSNYM	External connect kit:	UTY-XWZXZG	External connect kit:	UTY-XWZXZ3

## Dimensions

(Unit: mm)



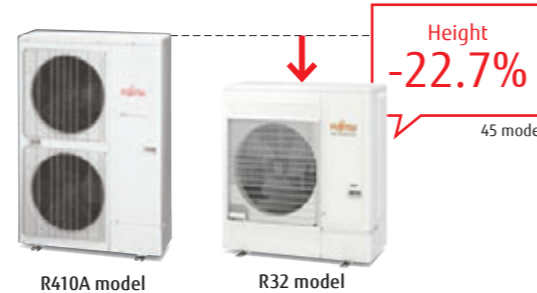
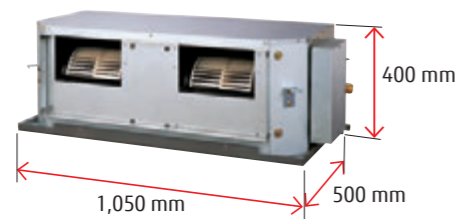
- ① Refrigerant pipe flare connection (Liquid)
- ② Refrigerant pipe flare connection (Gas)
- ③ Drain pipe connection

# High Static Pressure Duct



## Easy installation (Compact & Lightweight)

The indoor and outdoor units are designed to be compact and light by reducing the basic chassis size and the overall material weight.

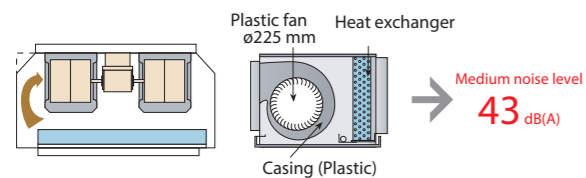


## Design also suits high static pressure



## Low noise

Slanted corners at the top help reduce turbulent airflow. Low noise is realized by adopting a plastic case and a plastic fan.



## 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.



Model: ARXG45KHTB/ARXG54KHTB  
ARXG45KHTB [3-phase]/ARXG54KHTB [3-phase]



### Specifications

Model name	Indoor unit		ARXG45KHTB	ARXG54KHTB	ARXG45KHTB	ARXG54KHTB
	Outdoor unit		AOYG45KHTB	AOYG54KHTB	AOYG45KRTA	AOYG54KRTA
Power Source	Single phase, ~230 V, 50 Hz			3-phase, ~400 V, 50 Hz		
Capacity	Cooling	kW	12.1 (4.0-14.0)	13.4 (5.0-14.5)	12.1 (4.0-14.0)	13.4 (5.0-14.5)
	Heating		13.5 (5.0-16.2)	15.5 (5.5-18.0)	13.5 (5.0-16.2)	15.5 (5.5-18.0)
Input Power	Cooling/Heating		4.16/3.61	4.77/4.18	4.16/3.61	4.77/4.18
	EER	Cooling	2.91	2.81	2.91	2.81
COP		Heating	3.74	3.71	3.74	3.71
	Pdesign	Cooling/Heating (-10°C)		-	-	-
SEER		Cooling	-	-	-	-
	SCOP	Heating	-	-	-	-
Energy Efficiency Class		Cooling		-	-	-
	Heating		-	-	-	-
Max. Operating Current	Cooling/Heating		28.5/28.5	28.5/28.5	14.0/14.0	14.0/14.0
	Annual Energy Consumption	Cooling	-	-	-	-
Heating		-	-	-	-	
Moisture Removal	l/h		1.5	2.0	1.5	2.0
	Sound Pressure Level	Indoor (Cooling)	H/M/L	47/43/40	47/43/40	47/43/40
Indoor (Heating)		H/M/L	47/43/40	47/43/40	47/43/40	47/43/40
Outdoor (Cooling/Heating)		High	57/57	57/59	57/57	57/59
Sound Power Level	Indoor (Cooling/Heating)	High	75/74	75/74	75/74	75/74
	Outdoor (Cooling/Heating)	High	71/71	73/73	71/71	73/73
Airflow Rate	Indoor/Outdoor (Cooling)	High	3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
	Indoor/Outdoor (Heating)	High	3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
Static pressure range (Standard)	Pa		100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)
Net Dimensions H x W x D	Indoor	mm	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500
	Outdoor	mm	998 × 940 × 320	998 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor	kg (lbs)	46 (101)	46 (101)	46 (101)	46 (101)
	Outdoor	kg (lbs)	67 (148)	67 (148)	67 (148)	67 (148)
Connection Pipe Diameter (Liquid/Gas)	mm		9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain port 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 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference	m		30	30	30	30
Operating Range	Cooling	°CDB	-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
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	2.70 (1.823)	2.70 (1.823)	2.70 (1.823)	2.70 (1.823)

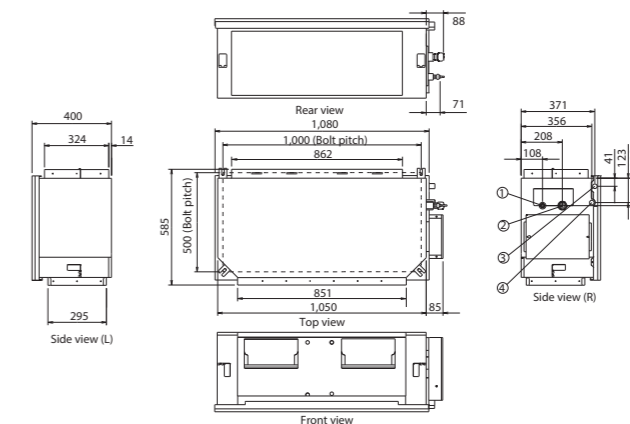
### Optional parts

\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-046.

Compact wired remote controller:	UTY-RCRYZ1	External connect kit:	UTY-XWZXZG	External input and output PCB:	UTY-XCSX+UTZ-GXEA
Wired remote controller (touch panel):	UTY-RNRYZ5	Remote sensor unit:	UTY-XSZX		
Wired remote controller:	UTY-RLRY	Long-life filter:	UTD-LF60KA	(Outdoor unit)	
Simple remote controller:	UTY-RSRY	External switch controller:	UTY-TERX	External connect kit:	UTY-XWZXZ3
	UTY-RHRY	WLAN adapter:	UTY-TFSXZ1		
IR Receiver unit:	UTY-LBTYM	Silver Ion Filter:	UTD-HFKB		

### Dimensions

(Unit: mm)



- ① Refrigerant pipe flare connection (Liquid)
- ② Refrigerant pipe flare connection (Gas)
- ③ Drain pipe connection (Safety drain pan)
- ④ Drain pipe connection (Main drain pan)



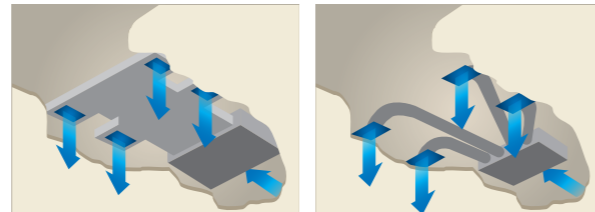
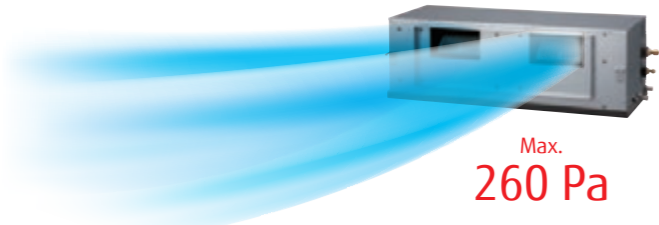
# High Static Pressure Duct



## High energy efficiency

Much greater efficiency is achieved by the use of all-DC inverter technology.

## Design also corresponding to high static pressure



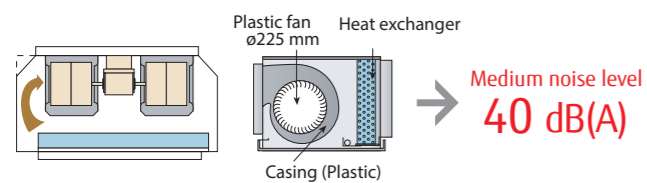
## Easy installation (Compact & Lightweight)

The indoor unit is designed to be compact and light by reducing the basic chassis size and the overall material weight.



## Low noise

Slanted corners at the top help reduce turbulent airflow. Low noise is realized by adopting a plastic case and a plastic fan.



## 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.



## Model: ARYG60LHTA [3-phase]



## Specifications

Model name	Indoor unit		ARYG60LHTA	
	Outdoor unit		AOYG60LATT	
Power Source			3-phase, ~400 V, 50 Hz	
Capacity	Cooling	kW	15.0 (6.2-17.5)	
	Heating	kW	18.0 (6.2-20.0)	
Input Power	Cooling/Heating		kW	
EER	Cooling		W/W	
COP	Heating		W/W	
Max. Operating Current	Cooling/Heating		A	
Moisture Removal			l/h	
Sound Pressure	Indoor (Cooling)	H/M/L/Q	dB(A)	
	Indoor (Heating)	H/M/L/Q	45/40/36/-	
	Outdoor (Cooling/Heating)	High	56/58	
Airflow Rate	Indoor/Outdoor (Cooling)	High	m³/h	
	Indoor/Outdoor (Heating)	High	3,550/6,900 3,550/7,300	
Static pressure range (Standard)			Pa	
Net Dimensions H x W x D	Indoor	mm	425 x 1,250 x 490	
	Outdoor	mm	1,290 x 900 x 330	
Weight	Indoor	kg (lbs)	54 (119)	
	Outdoor	kg (lbs)	104 (229)	
Connection Pipe Diameter (Liquid/Gas)			mm	
Drain Hose Diameter (I.D./O.D.)			mm	
Max. Pipe Length (Pre-Charge)			m	
Max. Height Difference			m	
Operating Range	Cooling	°CDB	-15 to 46	
	Heating	°CDB	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	
	Charge	kg (CO2eq-T)	3.45 (7.204)	

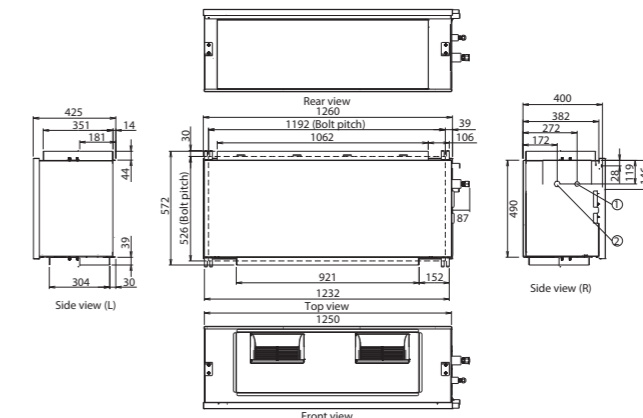
## Optional parts

\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-046.

Wired remote controller:	UTY-RNNYM	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller:	UTY-RVNYM	Network Converter for single split (AC power supply type):	UTY-VTGXV
Simple remote controller:	UTY-RSNYM	External connect kit:	UTD-ECS5A
External switch controller:	UTY-TERX	IR receiver unit:	UTY-LRHYM
WLAN adapter:	UTY-TFNXZ1	(Outdoor unit)	
	FJ-RC-WIFI-1	External connect kit:	UTY-XWZXZ2
Remote sensor unit:	UTY-XSZX		

## Dimensions

(Unit: mm)

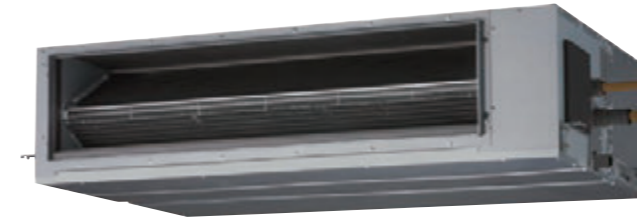


- ① Refrigerant pipe flare connection (Liquid)
- ② Refrigerant pipe flare connection (Gas)
- ③ Drain pipe connection (Safety drain pan)
- ④ Drain pipe connection (Main drain pan)

# Big Duct



Model: ARYG72LHTA/ARYG90LHTA



Wired RC

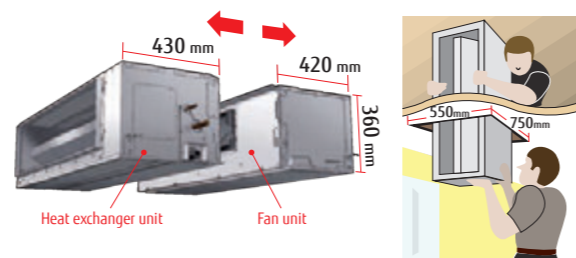


## Specifications

Model name	Indoor unit		ARYG72LHTA	ARYG90LHTA
	Outdoor unit		AOYG72LRLA	AOYG90LRLA
Power Source	Indoor		Single phase, ~230 V, 50 Hz	
	Outdoor		3-phase, ~400 V, 50 Hz	
Capacity	Cooling	kW	19.0 (8.4-20.9)	22.0 (10.3-24.2)
	Heating		22.4 (7.2-24.6)	27.0 (8.5-29.7)
Input Power	Cooling/Heating		6.46/6.59	7.77/8.18
	Cooling	W/W	2.94	2.83
EER	Heating		3.40	3.30
COP	Indoor (Cooling/Heating)		-	-
	Outdoor (Cooling/Heating)		-	-
Max. Operating Current	Indoor (Cooling/Heating)		-	-
	Outdoor (Cooling/Heating)		-	-
Moisture Removal	Indoor (Cooling)		4.5	6.0
	Indoor (Heating)		4.5	6.0
Sound Pressure	Indoor (Cooling)	H/M/L/Q	46/43/41/39	47/44/42/40
	Indoor (Heating)		46/43/41/39	47/44/42/40
Airflow Rate	Outdoor (Cooling/Heating)	High	55/55	55/57
	Indoor/Outdoor (Cooling)		High	4,300/8,400
Static pressure range (Standard)	Indoor/Outdoor (Heating)		High	4,300/9,000
	Indoor/Outdoor (Heating)		High	4,300/9,000
Net Dimensions	Indoor		50 to 150 (72)	50 to 200 (72)
	Outdoor		360 × 1,400 × 850	360 × 1,400 × 850
H x W x D	Indoor		1,428 × 1,080 × 480	1,428 × 1,080 × 480
	Outdoor		69 (152)	80 (176)
Weight	Indoor		165 (364)	174 (384)
	Outdoor		69 (152)	80 (176)
Connection Pipe Diameter (Liquid/Gas)	Indoor		12.7/25.4	12.7/25.4
	Outdoor		25/32	25/32
Drain Hose Diameter (I.D./O.D.)	Indoor		100 (30)	100 (30)
	Outdoor		30	30
Max. Pipe Length (Pre-Charge)	Indoor		-15 to 46	-15 to 46
	Outdoor		-20 to 24	-20 to 24
Max. Height Difference	Cooling		-15 to 46	-15 to 46
	Heating		-20 to 24	-20 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)
	Charge		5.6 (11.693)	7.1 (14.825)

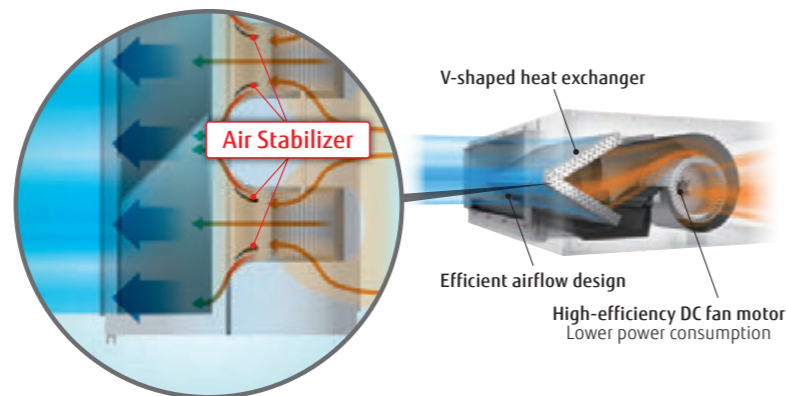
## Splittable, lightweight, and compact design

The indoor unit can be split into a fan unit and a heat exchanger unit to make installation easier.



## Quiet operation

The combination of a V-shaped heat exchanger, an air stabilizer, and a high-efficiency DC fan motor enables this compact unit to operate quietly.



## Automatic Airflow adjustment function

The optimum airflow can be set automatically to facilitate faster installation.



## 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.



## Optional parts

\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-046.

Compact wired remote controller:	UTY-RCRYZ1	External switch controller:	UTY-TERX	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller (touch panel):	UTY-RNRYZ5	WLAN adapter:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller:	UTY-RLRY		FJ-RC-WIFI-1	IR receiver unit:	UTY-LBXYM
	UTY-RNNYM	External input and output PCB:	UTY-XCSX	Silver Ion Filter:	UTY-LRHYM
	UTY-RVNYM	Remote sensor unit:	UTY-XSZX		UTD-HFKA
Simple remote controller (without operation mode):	UTY-RHRY	Long-life filter:	UTD-LFKA		
Simple remote controller:	UTY-RSRY	External connect kit:	UTY-XWZXZG	(Outdoor unit 72/90)	
	UTY-RSNYM	Drain pump unit:	UTZ-PX1NAB	External connect kit:	UTY-XWZXZ3

## Dimensions

(Unit: mm)

