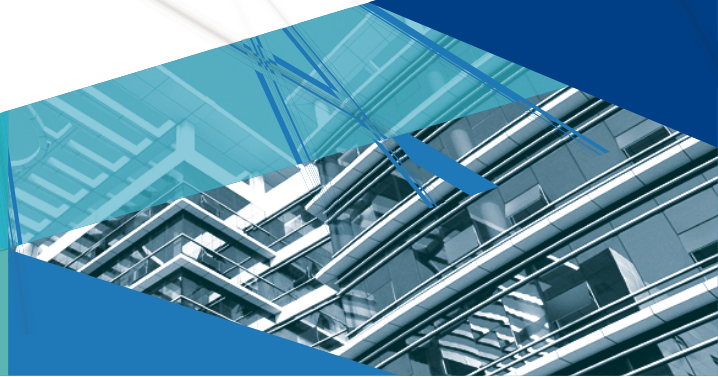
Technical Sales Guide

LENZOR AIR CONDITIONERS

TECHNICAL SALES GUIDE 50/60Hz
CAPACITY RANGE: 3.5~15.6kW
SUPER HIGH AMBIENT OPERATION TO 48°C



PRODUCT FEATURES

Lenzor R410A Condensing Unit Series Air Conditioners have combined the extraordinary comfort of the central air conditioners with the convenient installation and facility of the mini type of the split air conditioners. The casing of this unit is made of pre-painted steel, capable of resisting corrosion and rust creep and ensuring minimal fading when exposed to sunlight.

Lenzor R410A Condensing Unit Series Air Conditioning Units can offer the perfect combination of superior product quality, high operating efficiency and cost efficiency. The capacity rated according to ranges from 3.5kW to 15.6kW, which could be sufficient to different requirements from customers. All units are factory tested prior to dispatch to verify the operation performance and control functioning.

Lenzor R410A Condensing Unit Series Air Conditioning Units can be widely used in small supermarkets, chain stores, hotels, restaurants, offices and meeting room etc. especially fit for the small commercial and industrial application. The unit can set for cooling even when the outdoor ambient temperature drops to -15°C and thus an ideal for locations that require cooling even in winter.

The careful design from each part to the whole unit, together with the all-round process test and unit test, offers the high reliability for the whole system.

Perfect system protections can guarantee the safety of the system at utmost and get rid of the irreparable damage to the compressor or other critical parts under the harsh working conditions.

- High Efficiency and Energy Saving
  - 1W standby
  - Energy saving
  - DC motor
  - 8°C heating (absence mode)
- Reliability
  - Self-diagnosis
  - Filter cleaning reminder
  - Low temperature cooling
  - Intelligent defrosting
- Versatility
  - Multiple selections of Fan Speed
  - Multiple modes of static pressure
  - Wide voltage range
- Convenience
  - Memory function
  - Filter cleaning reminder
- Comfortable and Healthy
  - 360°air discharge
  - Sleep mode
  - Quiet mode
  - Fresh air
  - I feel
  - Turbo
  - Vertical airflow
  - Horizontal airflow (limited to floor ceiling unit)
  - Fast cooling, fast heating
  - Switch between °F and °C
- Easy Control
  - WIFI
  - Double wired controllers
  - Access control
  - Centralized control
  - Timer On/Off
  - Remote control
  - Weekly timer(Optional)
  - BMS gateway
  - Programmable remote control
  - Remote control of dry contact gateways
  - Child lock

User-Friendly Design

1.User can set room temperature in auto mode.

2.In winter, if you are away, the unit can maintain room temperature at 8°C, to care for your pets and plants.

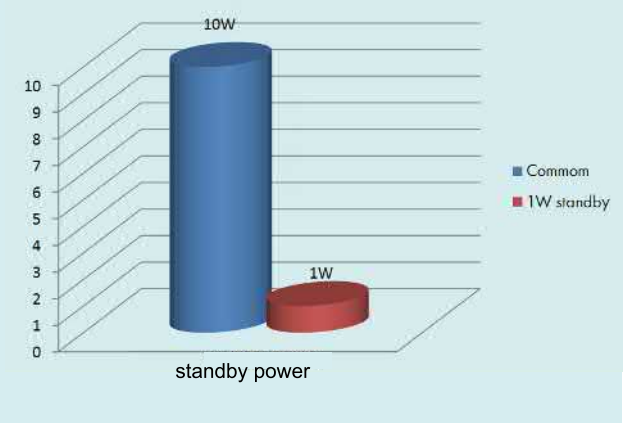
3.Power-off memory function: in case of power failure, unit can memorize the operating condition and restore the previous operating condition when power is resumed.

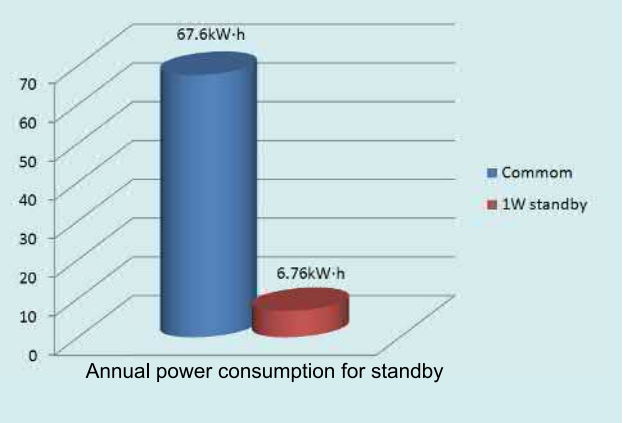
4.Ambient temperature check: user can check indoor ambient temperature, outdoor ambient temperature and the set temperature through wired controller or remote controller.

Energy Saving

High Energy Efficiency

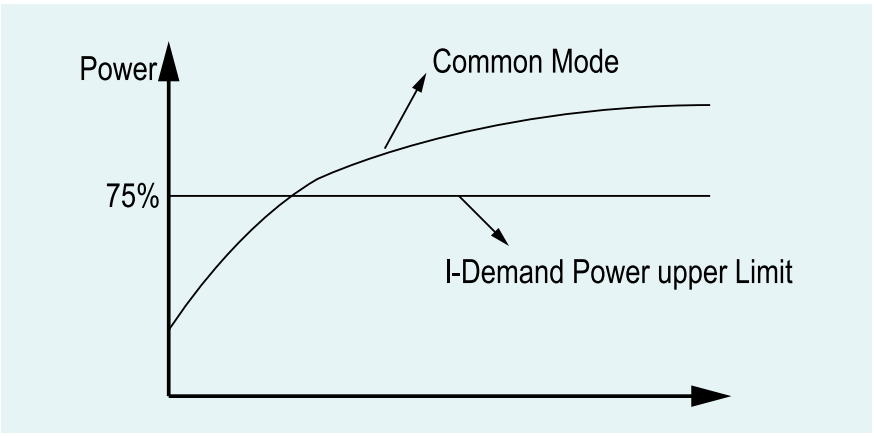
Power consumption in standby status is only 1W.





Demand

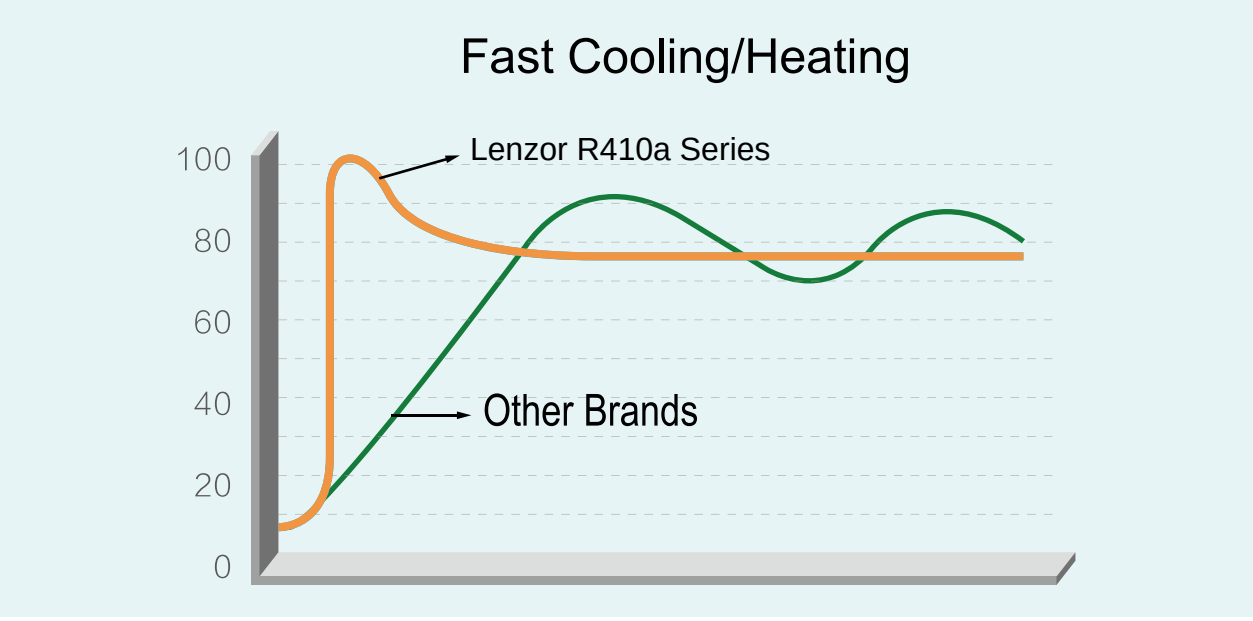
I-Demand function, with 25% power saving.



Highly Comfortable

Fast Cooling/Heating

When the difference between room temperature and the set temperature is large, the unit will enter fast cooling or fast heating mode upon startup, and then quickly reach the user's set temperature.

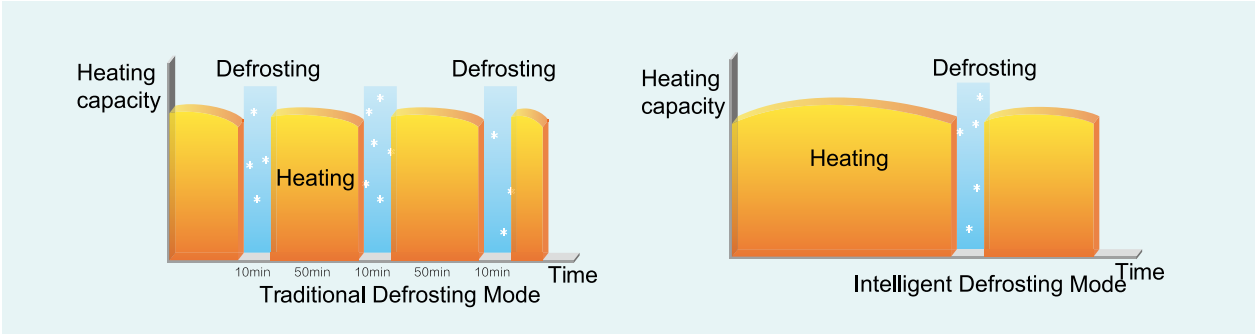


Quiet Design

Both indoor and outdoor units can run quietly, with no noise disturbance to neighbours while providing you with a quiet and comfor table environment.

Intelligent Defrosting

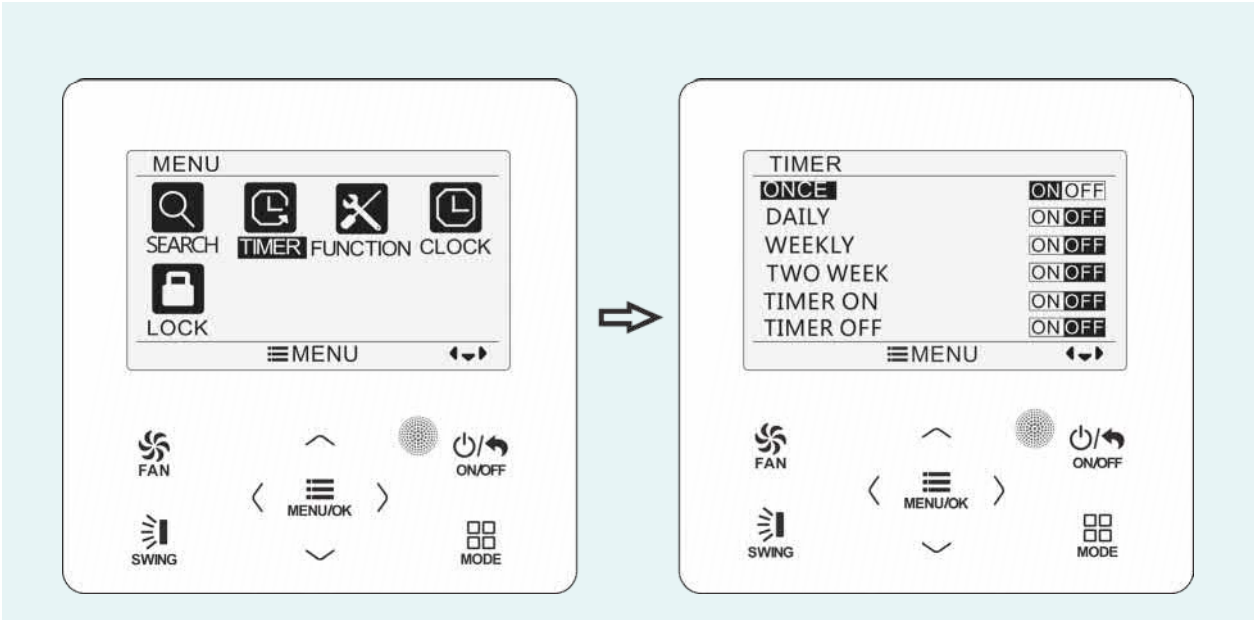
Lenzor Intelligent Defrosting Technology enables the unit to correctly judge the frost of its outdoor condenser using a temperature sensor. “Defrost what is frosted.” Heating effect is enhanced, for a comfortable room.



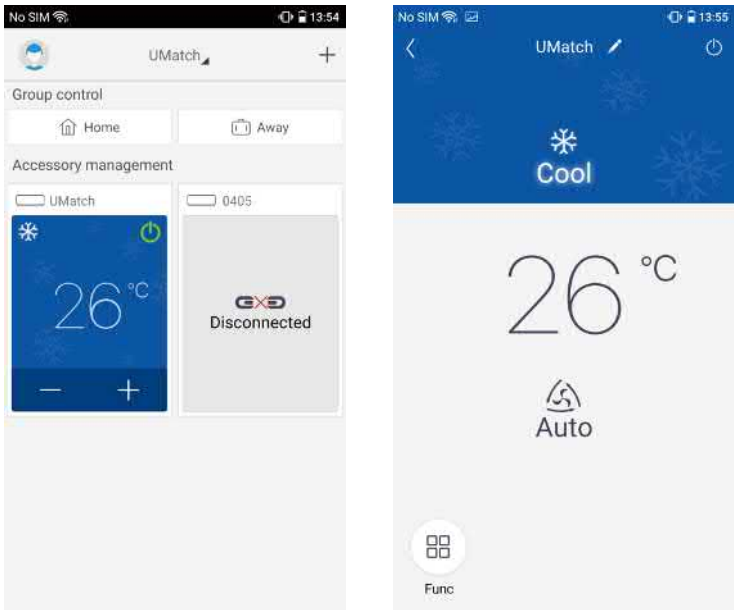
Smart Convenient Control

Timer Setting

The wired controller XE71-42/G(optional) can set 6 kinds of timer: one time clock timer, everyday timer, one week timer, two week timer, countdown timer on and countdown timer off. Select timer symbol after entering menu page. Press MENU button to enter timer setting page. More details please refer to the wired controller XE71-42/G manual.

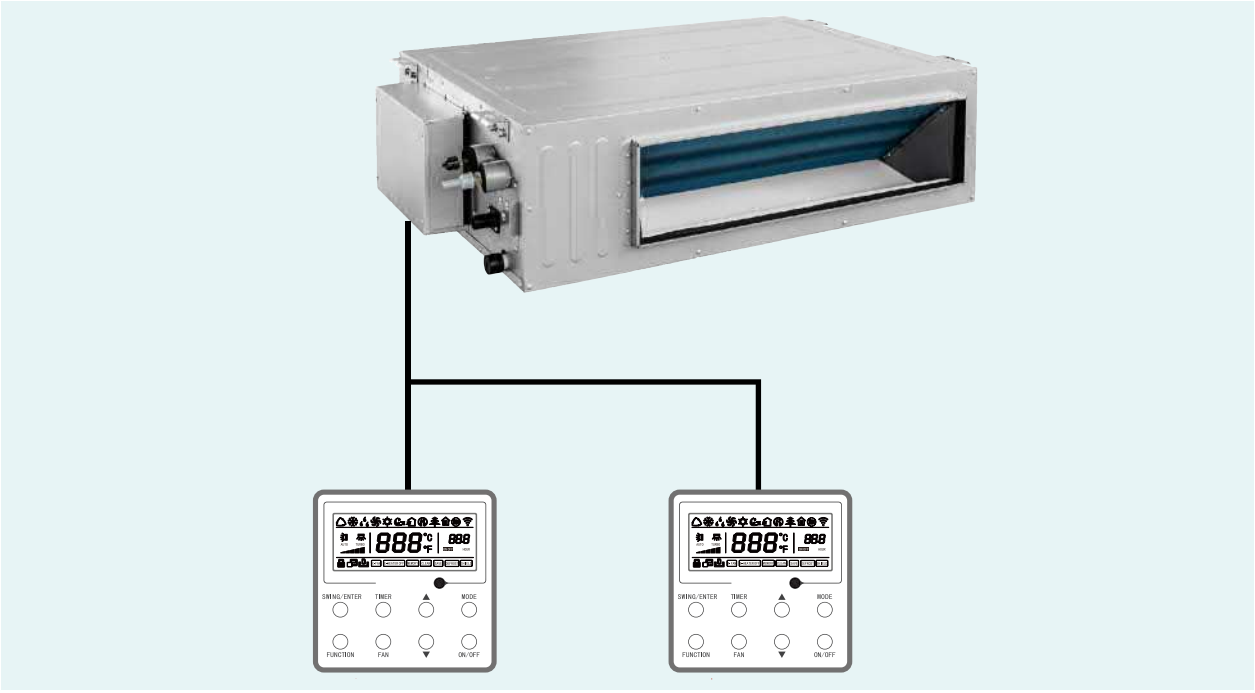


Smart APP Control(WiFi Module needed-Optional)



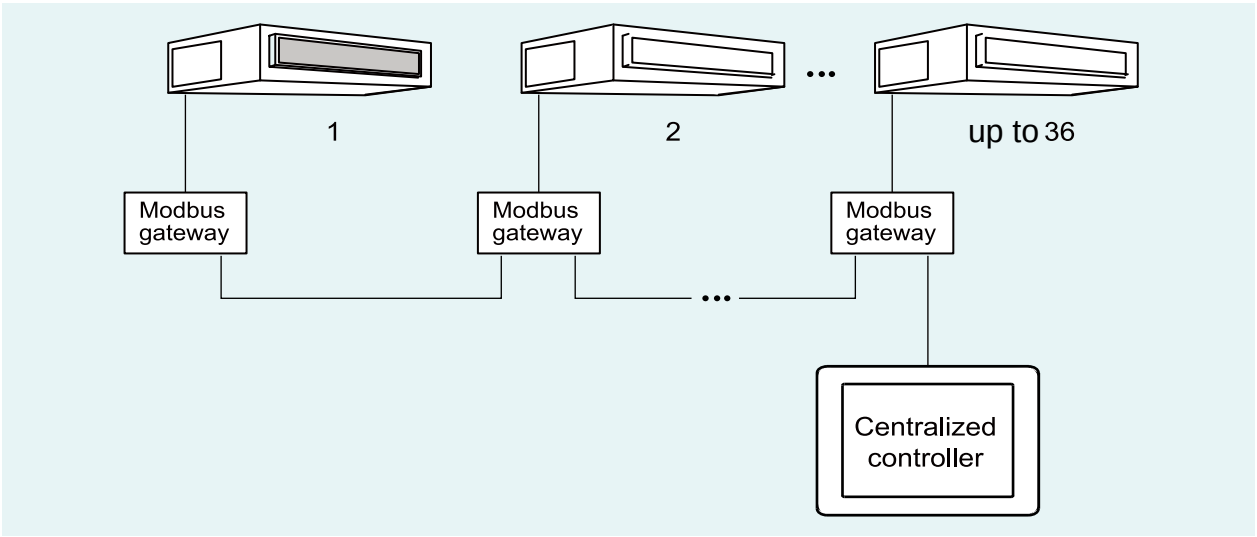
Double Wired Controllers (Optional)

Double wired controllers can be set, but only for XK117. They have the same functions and can be installed at the door and bedside, to provide convenient AC control. This function is available in each product of this series. Take duct type unit as an example:



Centralized Control(Optional)

Model: CE52–24/F(C)
Dimension(H×W×D): 128.2mm×185.2mm×54mm
Centralized control for up to 36 indoor units.
Basic control includes On/Off, mode, Fan Speed, temperature, etc.
Modbus gateway required.



Inverter R410A Duct Type

	IDU		~~IN-AZDS-12AHP~~	~~IN-AZDS-18AHP~~	N-AZDS-24AHP	~~IN-AZDS-24AHP~~
			~~IN-AZDS-12AHP~~	~~IN-AZDS-18AHP~~	IN-AZDS-24AHP	~~IN-AZDS-24AHP~~
	ODU		~~OD-AZDS-12AH~~	~~OD-AZDS-18AH~~	OD-AZDS-24AH	~~OD-AZDS-24AH~~
Rated Capacity	Cooling	kW	3.50	5.30	7.15	7.10
	Heating	kW	4.00	5.80	8.00	8.00
Input Power	Cooling	kW	1.09	1.65	2.45	2.21
	Heating	kW	1.15	1.60	2.50	2.35
EER		W/W	3.21	3.21	2.92	3.21
COP		W/W	3.48	3.63	3.20	3.40
IDU			~~IN-AZDS-12AHP~~	~~IN-AZDS-18AHP~~	N-AZDS-24AHP	~~IN-AZDS-24AHP~~
			~~IN-AZDS-12AHP~~	~~IN-AZDS-18AHP~~	IN-AZDS-24AHP	~~IN-AZDS-24AHP~~
Power Supply			220-240V ~50/60Hz			
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Sound Pressure Level Noise		dB(A)	40	40	43	40
Static pressure(rated/ maximum)		Pa	25/50	25/50	25/50	25/75
Fan Motor	Type	—	Centrifugal Fan			
	Drive	—	Direct	Direct	Direct	Direct
	Motor Output	W	50	70	85	80
	Air Volume	m^3/h	650	950	1050	1200
Filter		—	PP			
Connection Pipe	Liquid Pipe	inch	Φ1/4	Φ1/4	Φ3/8	Φ3/8
	Gas Pipe	inch	Φ3/8	Φ1/2	Φ5/8	Φ5/8
	Water Pipe	mm	Φ26×2.50	Φ26×2.50	Φ26×2.50	Φ26×2.50
Dimensions (H×W×D)	Outline	mm	200×450×700	200×450×1000	200×450×1000	220×450×1300
	Package	mm	275×568×1008	275×568×1308	275×568×1308	300×578×1628
Weight	Net Weight	kg	19/20	25/26	25/26	30/31
	Gross Weight	kg	23/24	30/31	30/31	37/38
ODU			~~OD-AZDS-12RH~~	~~OD-AZDS-18RH~~	OD-AZDS-24RH	~~OD-AZDS-24RH~~
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Power Supply			220-240V ~50/60Hz			
Compressor	Model		QXF-A102zE190B	QXF-B141zF030F	QXFS-D25zX090H	QXFS-D25zX090H
	Type		Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary
	Output	W	1023	1410	2420	2420
Fan Motor	Type	—	Axial fan			
	Air Volume	m^3/h	3000	3000	3600	3600
	Output Power	W	—	—	—	—
Refrigerant	Type		R410A			
	Weight	kg	1.00	1.25	2.00	2.00
	Throttling Method		Electronic Expansion Valve			
Connection Pipe	Liquid Pipe	inch	Φ1/4	Φ1/4	Φ3/8	Φ3/8
	Gas Pipe	inch	Φ3/8	Φ1/2	Φ5/8	Φ5/8
Refrigerant Pipe	Standard Length	m	5.00	5.00	5.00	5.00
	Max. Length	m	30	35	50	50
	Max. Height	m	15	20	25	25
Dimensions (H×W×D)	Outline	mm	596×818×302	596×818×302	698×892×340	698×892×340
	Package	mm	645×948×420	645×948×420	750×1029×458	750×1029×458
Weight	Net Weight	kg	38	41	53	53
	Gross Weight	kg	41	44	57	57

	IDU		IN-AZDS-36AHP	IN-AZDS-42AHP	IN-AZDS-48AHP	IN-AZDS-55AHP
			IN-AZDS-36AHP	IN-AZDS-42AHP	IN-AZDS-48AHP	IN-AZDS-55AHP
	ODU		OD-AZDS-36AH	OD-AZDS-42AH	OD-AZDS-48AH	OD-AZDS-55AH
Rated Capacity	Cooling	kW	10.10	12.02	14.00	15.60
	Heating	kW	11.00	14.00	15.00	17.00
Input Power	Cooling	kW	3.40	4.50	5.00	5.40
	Heating	kW	3.20	4.30	4.40	4.80
EER		W/W	2.97	2.67	2.80	2.89
COP		W/W	3.44	3.26	3.41	3.54
IDU			IN-AZDS-36AHP	IN-AZDS-42AHP	IN-AZDS-48AHP	IN-AZDS-55AHP
			IN-AZDS-36AH	IN-AZDS-42AH	IN-AZDS-48AH	IN-AZDS-55AH
Power Supply			220-240V ~50/60Hz			
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Sound Pressure Level Noise		dB (A)	43	44	42	50
Static pressure (rated/maximum)		Pa	37/150	50/150	50/150	50/200
Fan Motor	Type	—	Centrifugal Fan			
	Drive	—	Direct	Direct	Direct	Direct
	Motor Output	W	180	200	160	265
	Air Volume	m^3/h	1800	2000	2000	2800
Filter		—	PP			
Connection Pipe	Liquid Pipe	inch	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Gas Pipe	inch	Φ5/8	Φ5/8	Φ5/8	Φ5/8
	Water Pipe	mm	Φ26×2.50	Φ26×2.50	Φ26×2.50	Φ26×2.50
Dimensions (H×W×D)	Outline	mm	300×1000×700	300×1000×700	300×1400×700	300×1400×700
	Package	mm	345×810×1202	345×810×1202	350×810×1598	350×805×1675
Weight	Net Weight	kg	40/41	40/41	49/50	56/57
	Gross Weight	kg	46/47	46/47	55/56	63/64
ODU			OD-AZDS-36AH	OD-AZDS-42AH	OD-AZDS-48AH	OD-AZDS-55AH
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Power Supply			220-240V ~50/60Hz			
Compressor	Model		QXFS-D25zX090H	QXFS-D32zX090D	QXFS-F428zX450E	QXFS-F428zX450E
	Type		Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary
	Output	W	2420	3750	4300	4300

	IDU		IN-AZDS-36AHP	IN-AZDS-42AHP	IN-AZDS-48AHP	IN-AZDS-55AHP
			IN-AZDS-36AHP	IN-AZDS-42AHP	IN-AZDS-48AHP	IN-AZDS-55AHP
	ODU		OD-AZDS-36AH	OD-AZDS-42AH	OD-AZDS-48AH	OD-AZDS-55AH
Fan Motor	Type	—	Axial fan			
	Air Volume	m^3/h	4000	5900	5900	5900
	Output Power	W	—	—	—	—
Refrigerant	Type		R410A			
	Weight	kg	2.45	3.40	3.70	3.80
	Throttling Method		Electronic Expansion Valve			
Connection Pipe	Liquid Pipe	inch	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Gas Pipe	inch	Φ5/8	Φ5/8	Φ5/8	Φ5/8
Refrigerant Pipe	Standard Length	m	5.00	5.00	7.50	7.50
	Max. Length	m	50	65	75	75
	Max. Height	m	25	30	30	30
Dimensions (H×W×D)	Outline	mm	790×920×370	820×940×460	820×940×460	820×940×460
	Package	mm	855×1083×488	973×1083×573	973×1083×573	973×1083×573
Weight	Net Weight	kg	61	84	92	96
	Gross Weight	kg	66	96	104	108
Safety Device			High pressure switch Low pressure switch Overload protector Discharge high temperature sensor External overload protector Fusible plugs fuse			

	IDU		IN-AZDS-42RHP	IN-AZDS-48RHP	IN-AZDS-55RHP
			IN-AZDS-42RHP	IN-AZDS-48RHP	IN-AZDS-55RHP
	ODU		OD-AZDS-42RH	OD-AZDS-48RH	OD-AZDS-55RH
Rated Capacity	Cooling	kW	12.02	14.00	15.60
	Heating	kW	14.00	15.00	17.00
Input Power	Cooling	kW	4.50	5.00	5.40
	Heating	kW	4.30	4.40	4.80
EER		W/W	2.67	2.80	2.89
COP		W/W	3.26	3.41	3.54
IDU			IN-AZDS-42RHP	IN-AZDS-48RHP	IN-AZDS-55RHP
			IN-AZDS-42RHP	IN-AZDS-48RHP	IN-AZDS-55RHP
Power Supply			220-240V ~50/60Hz		
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin		
Sound Pressure Level Noise		dB(A)	44	42	50
Static pressure (rated/maximum)		Pa	50/150	50/150	50/200

	IDU		IN-AZDS-42RHP	IN-AZDS-48RHP	IN-AZDS-55RHP
			IN-AZDS-42RHP	IN-AZDS-48RHP	IN-AZDS-55RHP
	ODU		OD-AZDS-42RH	OD-AZDS-48RH	OD-AZDS-55RH
Fan Motor	Type	—	Centrifugal Fan		
	Drive	—	Direct	Direct	Direct
	Motor Output	W	200	160	265
	Air Volume	m^3/h	2000	2000	2800
Filter		—	PP		
Connection Pipe	Liquid Pipe	inch	Φ3/8	Φ3/8	Φ3/8
	Gas Pipe	inch	Φ5/8	Φ5/8	Φ5/8
	Water Pipe	mm	Φ26×2.50	Φ26×2.50	Φ26×2.50
Dimensions (H×W×D)	Outline	mm	300×1000×700	300×1400×700	300×1400×700
	Package	mm	345×810×1202	350×810×1598	350×805×1675
Weight	Net Weight	kg	40/41	49/50	56/57
	Gross Weight	kg	46/47	55/56	63/64
ODU			OD-AZDS-42RH	OD-AZDS-48RH	OD-AZDS-55RH
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin		
Power Supply			380-415V 3N~50/60Hz		
Compressor	Model		QXFS-D32zX090C	QXFS-F428zX450I	QXFS-F428zX450I
	Type		Inverter Rotary	Inverter Rotary	Inverter Rotary
	Output	W	3720	4060	4060
Fan Motor	Type	—	Axial fan		
	Air Volume	m^3/h	5900	5900	5900
	Output Power	W	—	—	—
Refrigerant	Type		R410A		
	Weight	kg	3.40	3.70	3.80
	Throttling Method		Electronic Expansion Valve		
Connection Pipe	Liquid Pipe	inch	Φ3/8	Φ3/8	Φ3/8
	Gas Pipe	inch	Φ5/8	Φ5/8	Φ5/8
Refrigerant Pipe	Standard Length	m	5.00	7.50	7.50
	Max. Length	m	65	75	75
	Max. Height	m	30	30	30
Dimensions (H×W×D)	Outline	mm	820×940×460	820×940×460	820×940×460
	Package	mm	973×1083×573	973×1083×573	973×1083×573
Weight	Net Weight	kg	90	96	100
	Gross Weight	kg	102	108	112
Safety Device			High pressure switch Low pressure switch Overload protector Discharge high temperature sensor External overload protector Fusible plugs fuse		

R410A INVERTER Duct Type

AZDS-24AH

Cooling

Fan speed	Indoor air temperature °C		Outdoor dry bulb temperature °C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	5.21	4.00	1.08	5.02	3.91	1.17	4.83	3.73	1.27	4.64	3.64	1.37	4.64	3.64	1.49
	23	16	6.34	4.69	1.39	6.11	4.59	1.50	5.88	4.37	1.63	5.65	4.27	1.76	5.65	4.27	1.92
	26	18	7.17	5.13	1.65	6.91	5.01	1.79	6.65	4.78	1.94	6.39	4.66	2.09	6.39	4.66	2.29
	27	19	8.03	5.47	1.93	7.73	5.35	2.09	7.44	5.10	2.27	7.15	4.98	2.45	6.56	4.66	2.68
	30	22	8.27	5.67	1.96	7.97	5.41	2.12	7.67	5.01	2.30	7.36	4.78	2.48	6.75	4.47	2.71
	32	24	8.43	5.48	1.97	8.12	5.19	2.13	7.81	4.82	2.31	7.50	4.57	2.50	6.88	4.27	2.73
H	20	14	4.50	3.53	0.97	4.50	3.53	1.14	4.50	3.53	1.22	4.50	3.53	1.33	4.50	3.53	1.43
	23	16	5.48	4.14	1.25	5.48	4.14	1.46	5.48	4.14	1.57	5.48	4.14	1.71	5.48	4.14	1.84
	26	18	6.20	4.52	1.49	6.20	4.52	1.74	6.20	4.52	1.87	6.20	4.52	2.03	6.20	4.52	2.19
	27	19	6.94	4.83	1.74	6.94	4.83	2.04	6.94	4.83	2.19	6.94	4.83	2.38	6.66	4.71	2.57
	30	22	7.14	5.01	1.76	7.14	4.88	2.06	7.14	4.74	2.21	7.14	4.63	2.41	6.86	4.52	2.60
	32	24	7.28	4.84	1.77	7.28	4.69	2.08	7.28	4.56	2.23	7.28	4.43	2.42	6.99	4.32	2.62
M	20	14	4.27	3.35	0.92	4.27	3.35	1.08	4.27	3.35	1.16	4.27	3.35	1.26	4.27	3.35	1.36
	23	16	5.20	3.93	1.19	5.20	3.93	1.39	5.20	3.93	1.49	5.20	3.93	1.62	5.20	3.93	1.75
	26	18	5.88	4.29	1.41	5.88	4.29	1.65	5.88	4.29	1.77	5.88	4.29	1.93	5.88	4.29	2.08
	27	19	6.58	4.58	1.65	6.58	4.58	1.93	6.58	4.58	2.07	6.58	4.58	2.25	6.32	4.47	2.43
	30	22	6.78	4.75	1.67	6.78	4.63	1.95	6.78	4.50	2.10	6.78	4.39	2.28	6.50	4.28	2.46
	32	24	6.90	4.59	1.68	6.90	4.45	1.97	6.90	4.33	2.11	6.90	4.20	2.30	6.63	4.10	2.48
L	20	14	4.18	3.28	0.90	4.18	3.28	1.06	4.18	3.28	1.13	4.18	3.28	1.23	4.18	3.28	1.33
	23	16	5.08	3.84	1.16	5.08	3.84	1.36	5.08	3.84	1.46	5.08	3.84	1.58	5.08	3.84	1.71
	26	18	5.75	4.20	1.38	5.75	4.20	1.61	5.75	4.20	1.73	5.75	4.20	1.88	5.75	4.20	2.04
	27	19	6.44	4.48	1.61	6.44	4.48	1.89	6.44	4.48	2.03	6.44	4.48	2.21	6.18	4.37	2.38
	30	22	6.63	4.64	1.63	6.63	4.53	1.91	6.63	4.40	2.05	6.63	4.30	2.23	6.36	4.19	2.41
	32	24	6.75	4.49	1.65	6.75	4.35	1.93	6.75	4.23	2.07	6.75	4.11	2.25	6.48	4.01	2.43

Heating

Fan speed	Outdoor air temperature °C		Indoor dry bulb temperature °C									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	5.88	2.05	5.86	2.11	5.84	2.18	5.84	2.26	5.82	2.33
	-5	-5.6	6.55	2.18	6.53	2.24	6.52	2.31	6.52	2.38	6.50	2.43
	0	-0.7	7.23	2.29	7.21	2.34	7.19	2.41	7.19	2.47	7.17	2.51
	7	6	8.04	2.41	8.02	2.45	8.00	2.50	7.69	2.42	7.25	2.26
	10	8	8.28	2.47	8.26	2.50	8.00	2.45	7.69	2.25	7.25	2.11
H	-10	-11	5.70	1.98	5.68	2.04	5.67	2.12	5.67	2.20	5.65	2.26
	-5	-5.6	6.36	2.12	6.34	2.17	6.32	2.24	6.32	2.30	6.30	2.35
	0	-0.7	7.01	2.23	6.99	2.27	6.97	2.33	6.97	2.39	6.96	2.44
	7	6	7.80	2.33	7.78	2.38	7.76	2.43	7.46	2.35	7.03	2.20
	10	8	8.03	2.40	8.01	2.43	7.76	2.38	7.46	2.18	7.03	2.05
M	-10	-11	5.41	1.88	5.39	1.94	5.37	2.01	5.37	2.08	5.36	2.14
	-5	-5.6	6.03	2.01	6.01	2.06	5.99	2.12	5.99	2.19	5.98	2.23
	0	-0.7	6.65	2.11	6.63	2.15	6.61	2.21	6.61	2.27	6.60	2.31
	7	6	7.40	2.21	7.38	2.25	7.36	2.30	7.08	2.23	6.67	2.08
	10	8	7.62	2.27	7.60	2.30	7.36	2.25	7.08	2.07	6.67	1.95
L	-10	-11	5.29	1.84	5.27	1.90	5.26	1.96	5.26	2.04	5.24	2.09
	-5	-5.6	5.90	1.96	5.88	2.01	5.86	2.08	5.86	2.14	5.85	2.18
	0	-0.7	6.51	2.06	6.49	2.10	6.47	2.17	6.47	2.22	6.45	2.26
	7	6	7.24	2.17	7.22	2.21	7.20	2.25	6.92	2.18	6.53	2.04
	10	8	7.45	2.22	7.43	2.25	7.20	2.21	6.92	2.03	6.53	1.90

Note:
DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.
1. The above data are based on the following conditions.

Hz,Volts		Equivalent Piping Length
Indoor	220-240V ~50/60Hz	5m
Outdoor		

2. Capacities are net , including a deduction for cooling(an addition for heating) for indoor fan motor heat.

AZDS-36AH

Cooling

Fan speed	Indoor air temperature °C		Outdoor dry bulb temperature °C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	7.36	6.11	1.50	7.09	5.97	1.62	6.83	5.69	1.76	6.56	5.56	1.90	6.56	5.56	2.07
	23	16	8.96	7.16	1.93	8.63	7.00	2.08	8.31	6.67	2.26	7.98	6.52	2.44	7.98	6.52	2.67
	26	18	10.13	7.82	2.29	9.76	7.65	2.48	9.40	7.29	2.69	9.03	7.12	2.91	9.03	7.12	3.17
	27	19	11.34	8.35	2.69	10.92	8.16	2.90	10.51	7.78	3.15	10.10	7.60	3.40	9.26	7.11	3.71
	30	22	11.68	8.65	2.72	11.25	8.25	2.94	10.83	7.64	3.19	10.40	7.29	3.44	9.54	6.81	3.76
	32	24	11.90	8.36	2.74	11.47	7.92	2.96	11.04	7.35	3.21	10.60	6.97	3.46	9.72	6.52	3.78
H	20	14	6.36	5.39	1.35	6.36	5.39	1.58	6.36	5.39	1.69	6.36	5.39	1.84	6.36	5.39	1.99
	23	16	7.74	6.32	1.73	7.74	6.32	2.03	7.74	6.32	2.18	7.74	6.32	2.37	7.74	6.32	2.56
	26	18	8.76	6.91	2.06	8.76	6.91	2.42	8.76	6.91	2.59	8.76	6.91	2.82	8.76	6.91	3.04
	27	19	9.80	7.37	2.42	9.80	7.37	2.83	9.80	7.37	3.03	9.80	7.37	3.30	9.41	7.19	3.56
	30	22	10.09	7.64	2.44	10.09	7.45	2.86	10.09	7.24	3.07	10.09	7.07	3.34	9.69	6.89	3.60
	32	24	10.28	7.38	2.46	10.28	7.15	2.88	10.28	6.97	3.09	10.28	6.77	3.36	9.87	6.59	3.63
M	20	14	6.03	5.11	1.28	6.03	5.11	1.50	6.03	5.11	1.61	6.03	5.11	1.75	6.03	5.11	1.89
	23	16	7.34	6.00	1.65	7.34	6.00	1.92	7.34	6.00	2.07	7.34	6.00	2.25	7.34	6.00	2.43
	26	18	8.30	6.55	1.96	8.30	6.55	2.29	8.30	6.55	2.46	8.30	6.55	2.67	8.30	6.55	2.89
	27	19	9.29	6.99	2.29	9.29	6.99	2.68	9.29	6.99	2.88	9.29	6.99	3.13	8.92	6.82	3.38
	30	22	9.57	7.25	2.32	9.57	7.07	2.71	9.57	6.86	2.91	9.57	6.71	3.17	9.19	6.54	3.42
	32	24	9.75	7.00	2.33	9.75	6.78	2.73	9.75	6.61	2.93	9.75	6.42	3.19	9.36	6.25	3.44
L	20	14	5.90	5.00	1.25	5.90	5.00	1.46	5.90	5.00	1.57	5.90	5.00	1.71	5.90	5.00	1.85
	23	16	7.18	5.87	1.61	7.18	5.87	1.88	7.18	5.87	2.02	7.18	5.87	2.20	7.18	5.87	2.37
	26	18	8.12	6.41	1.92	8.12	6.41	2.24	8.12	6.41	2.41	8.12	6.41	2.62	8.12	6.41	2.82
	27	19	9.09	6.84	2.24	9.09	6.84	2.62	9.09	6.84	2.82	9.09	6.84	3.06	8.73	6.67	3.30
	30	22	9.36	7.09	2.27	9.36	6.92	2.65	9.36	6.71	2.85	9.36	6.56	3.10	8.99	6.39	3.34
	32	24	9.54	6.85	2.28	9.54	6.64	2.67	9.54	6.46	2.87	9.54	6.28	3.12	9.16	6.12	3.37

Heating

Fan speed	Outdoor air temperature °C		Indoor dry bulb temperature °C									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	8.08	2.70	8.06	2.78	8.03	2.88	8.03	2.99	8.00	3.07
	-5	-5.6	9.01	2.88	8.98	2.95	8.96	3.05	8.96	3.14	8.93	3.20
	0	-0.7	9.94	3.03	9.91	3.09	9.89	3.18	9.89	3.26	9.86	3.32
	7	6	11.05	3.18	11.03	3.23	11.00	3.30	10.58	3.19	9.97	2.99
	10	8	11.38	3.26	11.36	3.30	11.00	3.24	10.58	2.97	9.97	2.79
H	-10	-11	7.84	2.62	7.82	2.70	7.79	2.79	7.79	2.90	7.76	2.98
	-5	-5.6	8.74	2.79	8.72	2.87	8.69	2.95	8.69	3.04	8.67	3.11
	0	-0.7	9.64	2.94	9.62	2.99	9.59	3.08	9.59	3.16	9.56	3.22
	7	6	10.72	3.08	10.70	3.14	10.67	3.20	10.26	3.10	9.67	2.90
	10	8	11.04	3.16	11.02	3.20	10.67	3.14	10.26	2.88	9.67	2.71
M	-10	-11	7.44	2.48	7.41	2.56	7.39	2.65	7.39	2.75	7.36	2.83
	-5	-5.6	8.29	2.65	8.27	2.72	8.24	2.80	8.24	2.88	8.22	2.95
	0	-0.7	9.14	2.79	9.12	2.84	9.10	2.92	9.10	3.00	9.07	3.05
	7	6	10.17	2.92	10.15	2.98	10.12	3.04	9.73	2.94	9.17	2.75
	10	8	10.47	3.00	10.45	3.04	10.12	2.98	9.73	2.73	9.17	2.57
L	-10	-11	7.28	2.43	7.25	2.50	7.23	2.59	7.23	2.69	7.20	2.76
	-5	-5.6	8.11	2.59	8.09	2.66	8.06	2.74	8.06	2.82	8.04	2.88
	0	-0.7	8.95	2.73	8.92	2.78	8.90	2.86	8.90	2.93	8.87	2.98
	7	6	9.95	2.86	9.93	2.91	9.90	2.97	9.52	2.87	8.97	2.69
	10	8	10.25	2.93	10.22	2.97	9.90	2.91	9.52	2.67	8.97	2.51

Note:
DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.
1. The above data are based on the following conditions.

Hz,Volts		Equivalent Piping Length
Indoor	220-240V ~50/60Hz	5m
Outdoor		

2. Capacities are net , including a deduction for cooling(an addition for heating) for indoor fan motor heat.

AZDS-42(R)H

Cooling

Fan speed	Indoor air temperature °C		Outdoor dry bulb temperature °C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	8.75	6.91	2.00	8.43	6.75	2.16	8.11	6.44	2.35	7.79	6.29	2.54	7.79	6.29	2.77
	23	16	10.65	8.10	2.58	10.26	7.92	2.78	9.87	7.55	3.02	9.48	7.37	3.26	9.48	7.37	3.56
	26	18	12.04	8.85	3.06	11.60	8.65	3.31	11.16	8.25	3.60	10.72	8.06	3.88	10.72	8.06	4.24
	27	19	13.47	9.45	3.59	12.98	9.24	3.88	12.49	8.81	4.21	12.00	8.60	4.54	11.00	8.04	4.96
	30	22	13.88	9.79	3.63	13.37	9.34	3.92	12.87	8.64	4.26	12.36	8.25	4.59	11.33	7.71	5.02
	32	24	14.14	9.46	3.65	13.62	8.96	3.95	13.11	8.32	4.29	12.59	7.89	4.63	11.55	7.38	5.05
H	20	14	7.56	6.10	1.80	7.56	6.10	2.11	7.56	6.10	2.26	7.56	6.10	2.46	7.56	6.10	2.66
	23	16	9.20	7.15	2.32	9.20	7.15	2.71	9.20	7.15	2.91	9.20	7.15	3.16	9.20	7.15	3.42
	26	18	10.40	7.81	2.76	10.40	7.81	3.22	10.40	7.81	3.46	10.40	7.81	3.76	10.40	7.81	4.07
	27	19	11.64	8.34	3.22	11.64	8.34	3.77	11.64	8.34	4.05	11.64	8.34	4.40	11.18	8.13	4.76
	30	22	11.99	8.64	3.26	11.99	8.43	3.82	11.99	8.19	4.10	11.99	8.00	4.46	11.51	7.80	4.81
	32	24	12.22	8.35	3.29	12.22	8.09	3.85	12.22	7.88	4.13	12.22	7.66	4.49	11.73	7.46	4.85
M	20	14	7.17	5.78	1.71	7.17	5.78	2.00	7.17	5.78	2.15	7.17	5.78	2.33	7.17	5.78	2.52
	23	16	8.72	6.78	2.20	8.72	6.78	2.57	8.72	6.78	2.76	8.72	6.78	3.00	8.72	6.78	3.24
	26	18	9.87	7.41	2.61	9.87	7.41	3.06	9.87	7.41	3.29	9.87	7.41	3.57	9.87	7.41	3.86
	27	19	11.04	7.91	3.06	11.04	7.91	3.58	11.04	7.91	3.84	11.04	7.91	4.18	10.60	7.71	4.51
	30	22	11.37	8.20	3.10	11.37	8.00	3.62	11.37	7.77	3.89	11.37	7.59	4.23	10.92	7.40	4.57
	32	24	11.59	7.92	3.12	11.59	7.68	3.65	11.59	7.48	3.92	11.59	7.26	4.26	11.12	7.08	4.60
L	20	14	7.01	5.66	1.67	7.01	5.66	1.96	7.01	5.66	2.10	7.01	5.66	2.28	7.01	5.66	2.46
	23	16	8.53	6.64	2.15	8.53	6.64	2.51	8.53	6.64	2.70	8.53	6.64	2.93	8.53	6.64	3.17
	26	18	9.65	7.25	2.56	9.65	7.25	2.99	9.65	7.25	3.21	9.65	7.25	3.49	9.65	7.25	3.77
	27	19	10.80	7.74	2.99	10.80	7.74	3.50	10.80	7.74	3.76	10.80	7.74	4.09	10.37	7.54	4.41
	30	22	11.12	8.02	3.03	11.12	7.83	3.54	11.12	7.60	3.81	11.12	7.42	4.14	10.68	7.24	4.47
	32	24	11.34	7.75	3.05	11.34	7.51	3.57	11.34	7.31	3.83	11.34	7.10	4.16	10.88	6.92	4.50

Heating

Fan speed	Outdoor air temperature °C		Indoor dry bulb temperature °C									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	10.29	3.56	10.26	3.67	10.22	3.80	10.22	3.94	10.19	4.05
	-5	-5.6	11.47	3.80	11.44	3.89	11.40	4.01	11.40	4.13	11.37	4.22
	0	-0.7	12.65	3.99	12.62	4.07	12.58	4.19	12.58	4.30	12.55	4.37
	7	6	14.07	4.19	14.04	4.26	14.00	4.35	13.46	4.21	12.69	3.94
	10	8	14.49	4.30	14.45	4.35	14.00	4.26	13.46	3.92	12.69	3.68
H	-10	-11	9.98	3.45	9.95	3.56	9.92	3.68	9.92	3.82	9.88	3.93
	-5	-5.6	11.13	3.68	11.09	3.78	11.06	3.89	11.06	4.01	11.03	4.09
	0	-0.7	12.27	3.87	12.24	3.95	12.20	4.06	12.20	4.17	12.17	4.24
	7	6	13.65	4.06	13.61	4.14	13.58	4.22	13.06	4.08	12.31	3.82
	10	8	14.05	4.17	14.02	4.22	13.58	4.14	13.06	3.80	12.31	3.57
M	-10	-11	9.47	3.28	9.44	3.37	9.41	3.49	9.41	3.62	9.37	3.72
	-5	-5.6	10.55	3.49	10.52	3.58	10.49	3.69	10.49	3.80	10.46	3.88
	0	-0.7	11.64	3.67	11.61	3.74	11.58	3.85	11.58	3.95	11.55	4.02
	7	6	12.94	3.85	12.91	3.92	12.88	4.00	12.39	3.87	11.67	3.62
	10	8	13.33	3.95	13.30	4.00	12.88	3.92	12.39	3.60	11.67	3.38
L	-10	-11	9.26	3.20	9.23	3.30	9.20	3.42	9.20	3.54	9.17	3.64
	-5	-5.6	10.32	3.42	10.29	3.51	10.26	3.61	10.26	3.72	10.23	3.80
	0	-0.7	11.39	3.59	11.36	3.66	11.32	3.77	11.32	3.87	11.29	3.93
	7	6	12.66	3.77	12.63	3.84	12.60	3.92	12.12	3.79	11.42	3.54
	10	8	13.04	3.87	13.01	3.92	12.60	3.84	12.12	3.53	11.42	3.31

Note:
DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.
1. The above data are based on the following conditions.

Hz,Volts		Equivalent Piping Length
Indoor	220-240V ~50/60Hz	5m
Outdoor		

2. Capacities are net , including a deduction for cooling(an addition for heating) for indoor fan motor heat.

AZDS-48A(R)H

Cooling

Fan speed	Indoor air temperature °C		Outdoor dry bulb temperature °C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	10.20	7.39	2.21	9.83	7.22	2.38	9.46	6.89	2.59	9.09	6.73	2.79	9.09	6.73	3.05
	23	16	12.42	8.67	2.84	11.96	8.47	3.07	11.52	8.08	3.33	11.06	7.89	3.59	11.06	7.89	3.92
	26	18	14.05	9.47	3.37	13.53	9.26	3.65	13.02	8.82	3.96	12.51	8.62	4.27	12.51	8.62	4.67
	27	19	15.72	10.11	3.95	15.14	9.88	4.27	14.57	9.42	4.64	14.00	9.20	5.00	12.84	8.60	5.46
	30	22	16.19	10.48	4.00	15.60	9.99	4.32	15.01	9.25	4.69	14.42	8.82	5.06	13.22	8.25	5.53
	32	24	16.50	10.12	4.02	15.89	9.59	4.35	15.30	8.90	4.72	14.69	8.44	5.10	13.47	7.89	5.56
H	20	14	8.82	6.52	1.98	8.82	6.52	2.32	8.82	6.52	2.49	8.82	6.52	2.71	8.82	6.52	2.93
	23	16	10.73	7.65	2.55	10.73	7.65	2.98	10.73	7.65	3.21	10.73	7.65	3.48	10.73	7.65	3.76
	26	18	12.14	8.36	3.04	12.14	8.36	3.55	12.14	8.36	3.81	12.14	8.36	4.15	12.14	8.36	4.48
	27	19	13.58	8.92	3.55	13.58	8.92	4.16	13.58	8.92	4.46	13.58	8.92	4.85	13.04	8.70	5.24
	30	22	13.99	9.25	3.59	13.99	9.02	4.21	13.99	8.76	4.52	13.99	8.56	4.91	13.43	8.34	5.30
	32	24	14.25	8.93	3.62	14.25	8.66	4.23	14.25	8.43	4.55	14.25	8.19	4.94	13.68	7.98	5.34
M	20	14	8.36	6.19	1.88	8.36	6.19	2.20	8.36	6.19	2.36	8.36	6.19	2.57	8.36	6.19	2.77
	23	16	10.18	7.26	2.42	10.18	7.26	2.83	10.18	7.26	3.04	10.18	7.26	3.30	10.18	7.26	3.57
	26	18	11.51	7.93	2.88	11.51	7.93	3.37	11.51	7.93	3.62	11.51	7.93	3.93	11.51	7.93	4.25
	27	19	12.88	8.46	3.37	12.88	8.46	3.94	12.88	8.46	4.23	12.88	8.46	4.60	12.37	8.25	4.97
	30	22	13.27	8.77	3.41	13.27	8.56	3.99	13.27	8.31	4.28	13.27	8.12	4.66	12.74	7.91	5.03
	32	24	13.52	8.47	3.43	13.52	8.21	4.02	13.52	8.00	4.31	13.52	7.77	4.69	12.98	7.57	5.06
L	20	14	8.18	6.05	1.84	8.18	6.05	2.15	8.18	6.05	2.31	8.18	6.05	2.51	8.18	6.05	2.71
	23	16	9.96	7.10	2.37	9.96	7.10	2.77	9.96	7.10	2.97	9.96	7.10	3.23	9.96	7.10	3.49
	26	18	11.26	7.76	2.82	11.26	7.76	3.30	11.26	7.76	3.54	11.26	7.76	3.85	11.26	7.76	4.15
	27	19	12.60	8.28	3.30	12.60	8.28	3.86	12.60	8.28	4.14	12.60	8.28	4.50	12.10	8.07	4.86
	30	22	12.98	8.58	3.33	12.98	8.37	3.90	12.98	8.13	4.19	12.98	7.94	4.55	12.46	7.74	4.92
	32	24	13.22	8.29	3.36	13.22	8.03	3.93	13.22	7.82	4.22	13.22	7.60	4.59	12.70	7.41	4.95

Heating

Fan speed	Outdoor air temperature °C		Indoor dry bulb temperature °C									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	11.02	3.68	10.99	3.79	10.95	3.93	10.95	4.07	10.91	4.19
	-5	-5.6	12.29	3.93	12.25	4.03	12.22	4.15	12.22	4.28	12.18	4.37
	0	-0.7	13.55	4.13	13.52	4.21	13.48	4.33	13.48	4.44	13.45	4.52
	7	6	15.07	4.33	15.04	4.41	15.00	4.50	14.42	4.35	13.60	4.07
	10	8	15.52	4.45	15.49	4.50	15.00	4.41	14.42	4.05	13.60	3.81
H	-10	-11	10.69	3.57	10.66	3.68	10.62	3.81	10.62	3.95	10.59	4.06
	-5	-5.6	11.92	3.81	11.88	3.91	11.85	4.03	11.85	4.15	11.82	4.23
	0	-0.7	13.15	4.01	13.11	4.08	13.08	4.20	13.08	4.31	13.04	4.39
	7	6	14.62	4.20	14.59	4.28	14.55	4.37	13.99	4.22	13.19	3.95
	10	8	15.06	4.31	15.02	4.37	14.55	4.28	13.99	3.93	13.19	3.69
M	-10	-11	10.14	3.39	10.11	3.49	10.08	3.61	10.08	3.75	10.04	3.85
	-5	-5.6	11.31	3.61	11.27	3.71	11.24	3.82	11.24	3.93	11.21	4.02
	0	-0.7	12.47	3.80	12.44	3.87	12.40	3.99	12.40	4.09	12.37	4.16
	7	6	13.87	3.99	13.84	4.06	13.80	4.14	13.27	4.01	12.51	3.75
	10	8	14.28	4.09	14.25	4.14	13.80	4.06	13.27	3.73	12.51	3.50
L	-10	-11	9.92	3.31	9.89	3.41	9.86	3.54	9.86	3.67	9.82	3.77
	-5	-5.6	11.06	3.54	11.03	3.63	11.00	3.74	11.00	3.85	10.96	3.93
	0	-0.7	12.20	3.72	12.17	3.79	12.13	3.90	12.13	4.00	12.10	4.07
	7	6	13.57	3.90	13.53	3.97	13.50	4.05	12.98	3.92	12.24	3.67
	10	8	13.97	4.00	13.94	4.05	13.50	3.97	12.98	3.65	12.24	3.43

Note:
DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.
1. The above data are based on the following conditions.

Hz,Volts		Equivalent Piping Length
Indoor	220-240V ~50/60Hz	7.5m
Outdoor		

2. Capacities are net , including a deduction for cooling(an addition for heating) for indoor fan motor heat.

AZDS-55A(R)H

Cooling

Fan speed	Indoor air temperature °C		Outdoor dry bulb temperature °C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	11.37	9.24	2.47	10.95	9.03	2.67	10.54	8.61	2.90	10.13	8.41	3.13	10.13	8.41	3.42
	23	16	13.84	10.84	3.18	13.33	10.59	3.43	12.83	10.10	3.73	12.33	9.86	4.02	12.33	9.86	4.39
	26	18	15.65	11.84	3.78	15.08	11.57	4.09	14.51	11.03	4.44	13.94	10.77	4.79	13.94	10.77	5.23
	27	19	17.51	12.64	4.42	16.87	12.35	4.78	16.24	11.78	5.19	15.60	11.50	5.60	14.31	10.75	6.12
	30	22	18.04	13.10	4.48	17.38	12.49	4.84	16.73	11.56	5.25	16.07	11.03	5.67	14.73	10.31	6.19
	32	24	18.38	12.65	4.51	17.71	11.99	4.87	17.04	11.13	5.29	16.37	10.55	5.71	15.01	9.87	6.23
H	20	14	9.82	8.15	2.22	9.82	8.15	2.60	9.82	8.15	2.79	9.82	8.15	3.03	9.82	8.15	3.28
	23	16	11.96	9.57	2.86	11.96	9.57	3.34	11.96	9.57	3.59	11.96	9.57	3.90	11.96	9.57	4.21
	26	18	13.52	10.45	3.40	13.52	10.45	3.98	13.52	10.45	4.27	13.52	10.45	4.64	13.52	10.45	5.01
	27	19	15.13	11.16	3.98	15.13	11.16	4.65	15.13	11.16	5.00	15.13	11.16	5.43	14.53	10.87	5.87
	30	22	15.59	11.56	4.03	15.59	11.28	4.71	15.59	10.95	5.06	15.59	10.70	5.50	14.96	10.43	5.94
	32	24	15.88	11.17	4.05	15.88	10.82	4.74	15.88	10.54	5.09	15.88	10.24	5.54	15.25	9.98	5.98
M	20	14	9.32	7.73	2.11	9.32	7.73	2.47	9.32	7.73	2.65	9.32	7.73	2.88	9.32	7.73	3.11
	23	16	11.34	9.07	2.71	11.34	9.07	3.17	11.34	9.07	3.41	11.34	9.07	3.70	11.34	9.07	4.00
	26	18	12.83	9.91	3.22	12.83	9.91	3.77	12.83	9.91	4.05	12.83	9.91	4.40	12.83	9.91	4.76
	27	19	14.35	10.58	3.77	14.35	10.58	4.41	14.35	10.58	4.74	14.35	10.58	5.15	13.78	10.31	5.56
	30	22	14.78	10.96	3.82	14.78	10.70	4.47	14.78	10.39	4.80	14.78	10.15	5.21	14.19	9.89	5.63
	32	24	15.06	10.59	3.84	15.06	10.27	4.50	15.06	10.00	4.83	15.06	9.71	5.25	14.46	9.46	5.67
L	20	14	9.12	7.57	2.06	9.12	7.57	2.41	9.12	7.57	2.59	9.12	7.57	2.81	9.12	7.57	3.04
	23	16	11.09	8.88	2.65	11.09	8.88	3.10	11.09	8.88	3.33	11.09	8.88	3.62	11.09	8.88	3.91
	26	18	12.55	9.69	3.15	12.55	9.69	3.69	12.55	9.69	3.96	12.55	9.69	4.31	12.55	9.69	4.65
	27	19	14.04	10.35	3.69	14.04	10.35	4.32	14.04	10.35	4.64	14.04	10.35	5.04	13.48	10.09	5.44
	30	22	14.46	10.73	3.74	14.46	10.47	4.37	14.46	10.16	4.69	14.46	9.93	5.10	13.88	9.68	5.51
	32	24	14.74	10.36	3.76	14.74	10.04	4.40	14.74	9.78	4.73	14.74	9.50	5.14	14.15	9.26	5.55

Heating

Fan speed	Outdoor air temperature °C		Indoor dry bulb temperature °C									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	12.49	3.76	12.45	3.88	12.41	4.02	12.41	4.17	12.37	4.28
	-5	-5.6	13.93	4.02	13.89	4.12	13.85	4.24	13.85	4.37	13.81	4.46
	0	-0.7	15.36	4.22	15.32	4.30	15.28	4.43	15.28	4.54	15.24	4.62
	7	6	17.08	4.43	17.04	4.51	17.00	4.60	16.35	4.45	15.41	4.16
	10	8	17.59	4.54	17.55	4.60	17.00	4.51	16.35	4.14	15.41	3.89
H	-10	-11	12.12	3.65	12.08	3.76	12.04	3.89	12.04	4.04	12.00	4.15
	-5	-5.6	13.51	3.89	13.47	3.99	13.43	4.12	13.43	4.24	13.39	4.33
	0	-0.7	14.90	4.09	14.86	4.17	14.82	4.30	14.82	4.41	14.78	4.48
	7	6	16.57	4.30	16.53	4.37	16.49	4.46	15.86	4.32	14.95	4.04
	10	8	17.07	4.41	17.03	4.46	16.49	4.37	15.86	4.02	14.95	3.77
M	-10	-11	11.49	3.46	11.46	3.57	11.42	3.69	11.42	3.83	11.38	3.94
	-5	-5.6	12.81	3.69	12.77	3.79	12.74	3.91	12.74	4.02	12.70	4.11
	0	-0.7	14.13	3.88	14.10	3.96	14.06	4.07	14.06	4.18	14.02	4.25
	7	6	15.72	4.07	15.68	4.15	15.64	4.23	15.04	4.09	14.18	3.83
	10	8	16.19	4.18	16.15	4.23	15.64	4.15	15.04	3.81	14.18	3.58
L	-10	-11	11.24	3.39	11.21	3.49	11.17	3.61	11.17	3.75	11.13	3.85
	-5	-5.6	12.54	3.61	12.50	3.71	12.46	3.82	12.46	3.93	12.43	4.02
	0	-0.7	13.83	3.80	13.79	3.87	13.75	3.99	13.75	4.09	13.71	4.16
	7	6	15.37	3.99	15.34	4.06	15.30	4.14	14.71	4.01	13.87	3.75
	10	8	15.83	4.09	15.80	4.14	15.30	4.06	14.71	3.73	13.87	3.50

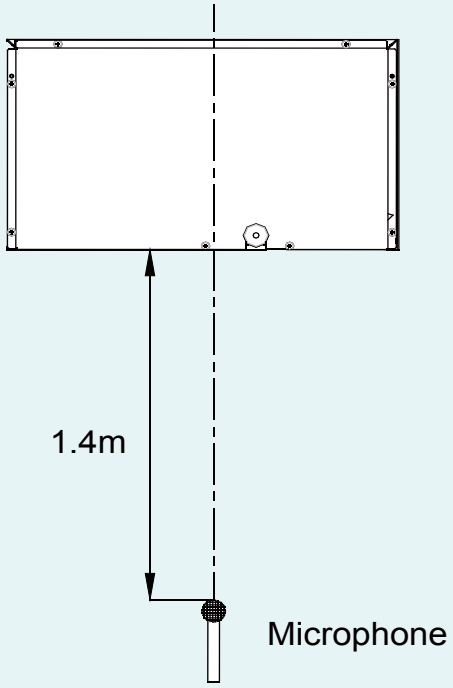
Note:
DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.
1. The above data are based on the following conditions.

Hz,Volts		Equivalent Piping Length
Indoor	220-240V ~50/60Hz	7.5m
Outdoor		

2. Capacities are net , including a deduction for cooling(an addition for heating) for indoor fan motor heat.

NOISE CURVE

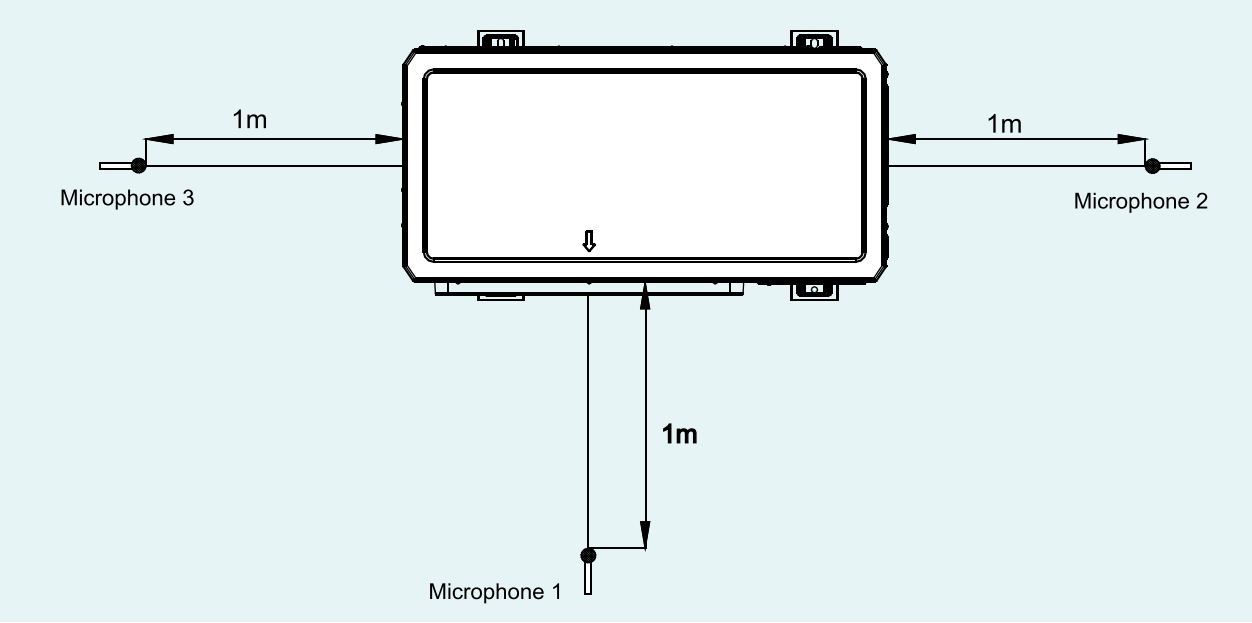
Noise Test Diagram



Model	220-240V ~50Hz			
	Turbo dB(A)	H dB(A)	M dB(A)	L dB(A)
GUD35P/A-S GUD35PS/A-S	40	37	35	34
GUD50P/A-S GUD50PS/A-S	40	39	37	35
GUD71P/A1-S GUD71PS/A1-S	43	42	40	38
GUD71P/A-S GUD71PS/A-S	40	38	37	36
GUD100PH/A-S GUD100PHS/A-S	43	41	39	37
GUD125PH/A-S GUD125PHS/A-S	44	42	39	37
GUD140PH/A-S GUD140PHS/A-S	42	40	39	37
GUD160PH/A-S GUD160PHS/A-S	50	45	44	42

Notes:
1. Above data was measured under standard conditions. Power specification: 220-240V ~50Hz.
2. Above data was measured in a semi-anechoic room.
3. Decibels will be varied with the change of external factors, for instance, the room structure. Please refer to the actual measurement.

Outdoor Unit



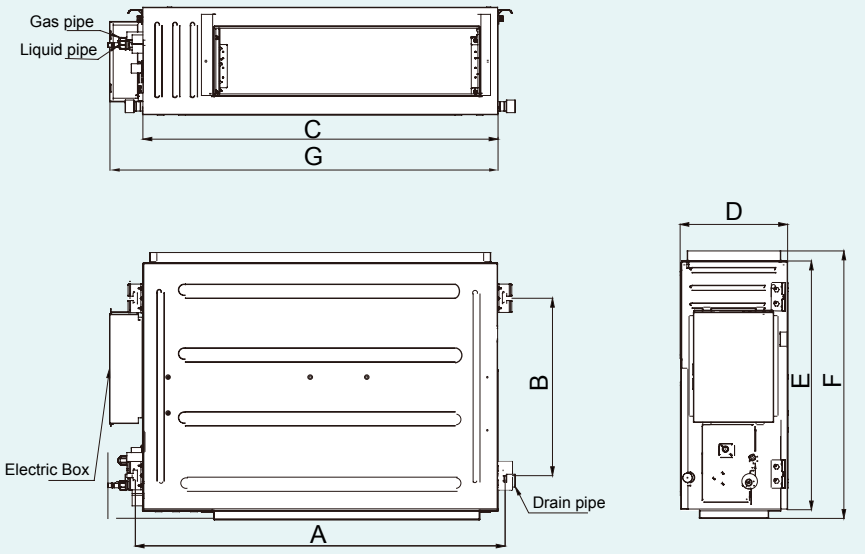
Model	Cooling dB(A)	Heating dB(A)	Power supply (V,Ph,Hz)
AZDS-12AHP	51	51	220-240V ~50Hz
AZDS-18AHP	55	55	
AZDS-24AHP	55	55	
GUD71W/A-S	56	56	
GUD100W/A-S	55	55	
GUD125W/A-S	58	58	
GUD140W/A-S	59	59	
GUD160W/A-S	60	60	
GUD125W/A-X	58	58	380-415V 3N~50Hz
GUD140W/A-X	59	59	
GUD160W/A-X	60	60	

Notes:

1. Above data was measured under standard conditions. Power specification: 220-240V ~50Hz,380-415V 3N~50Hz
2. Above data was the average of three points data.
3. Above data was measured in a semi-anechoic room.
4. Decibels will be varied with the change of external factors, for instance, the room structure. Please refer to the actual measurement.
5. h: the height of the Microphone
   H: the height of the units
   h=(H+1)/2

Duct Type

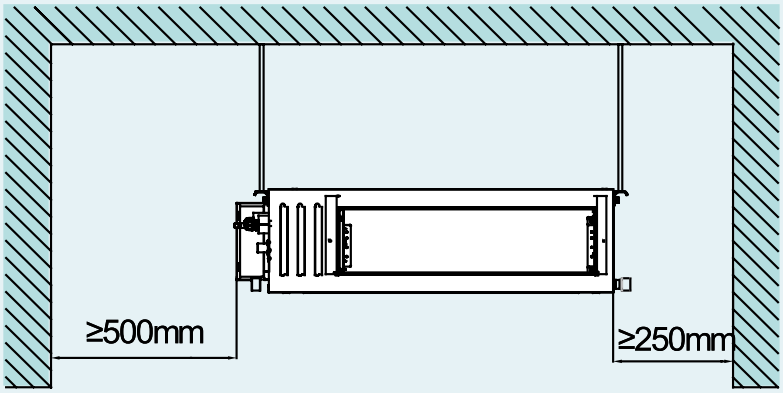
Dimensions

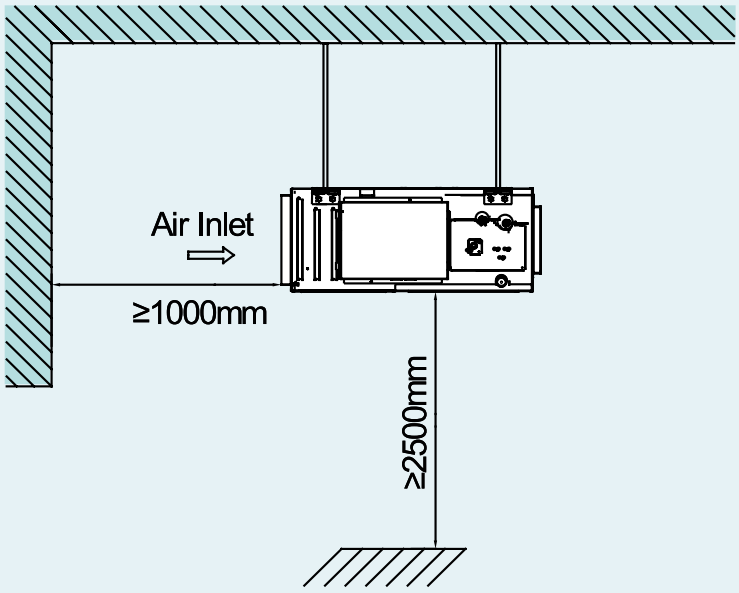


Unit: mm

Dimensions / Model	A	B	C	D	E	F	G
AZDS-12AHP	760	415	700	200	450	474	768
AZDS-18AHP	1060	415	1000	200	450	474	1068
AZDS-24AHP	1060	415	1000	200	450	474	1068
AZDS-36AHP	1040	500	1000	300	700	754	1092
AZDS-42AHP	1040	500	1000	300	700	754	1092
AZDS-48AHP	1440	500	1400	300	700	754	1492
AZDS-55AHP	1440	500	1400	300	700	754	1543

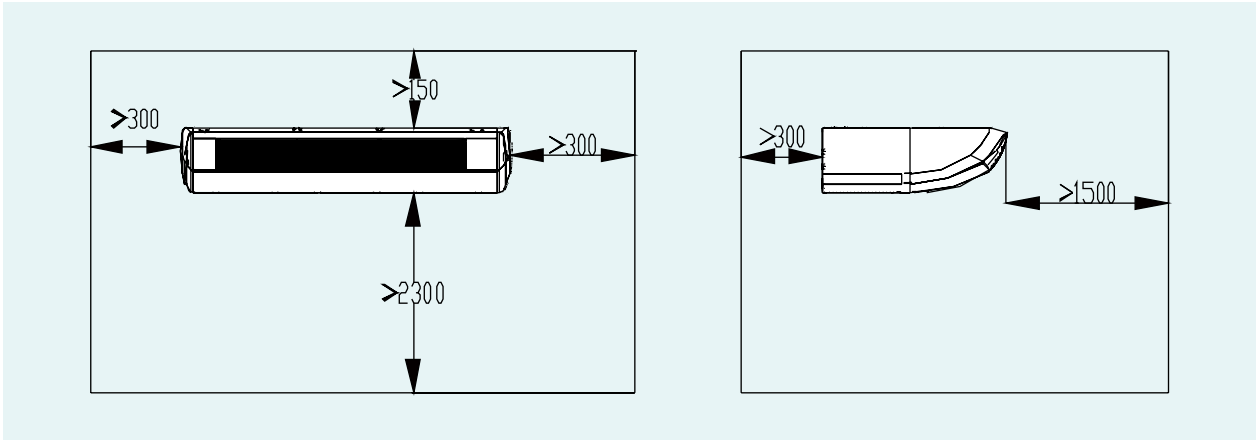
Installation Location





Installation Location

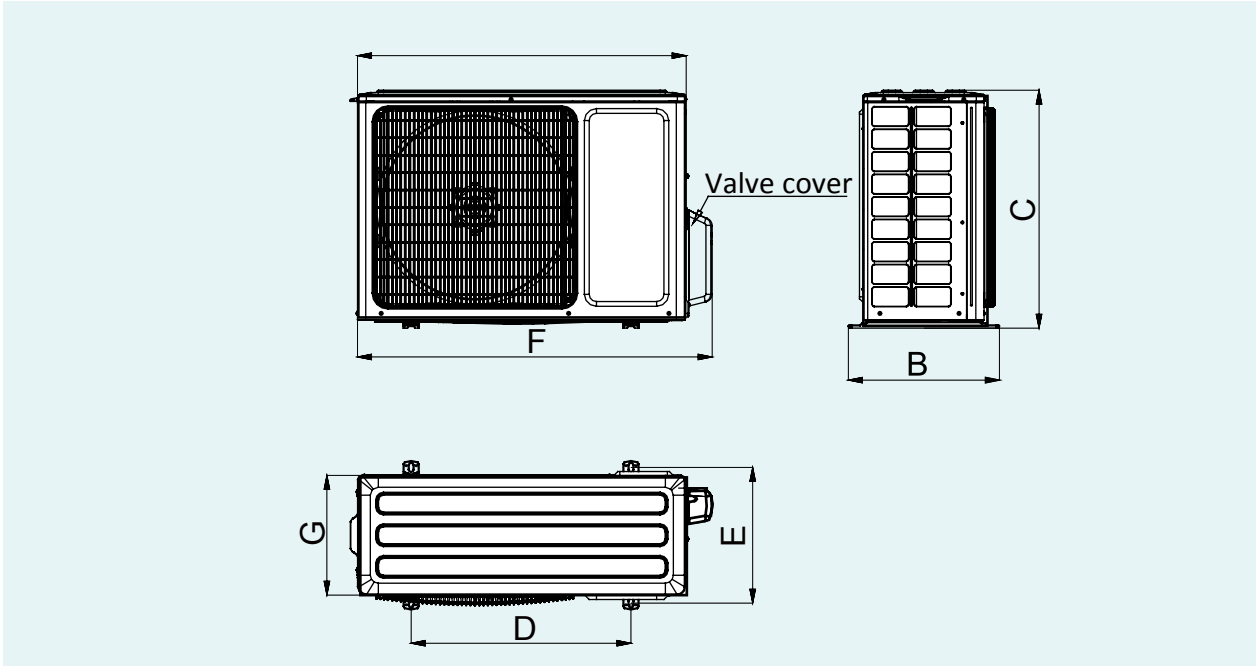
Unit：mm



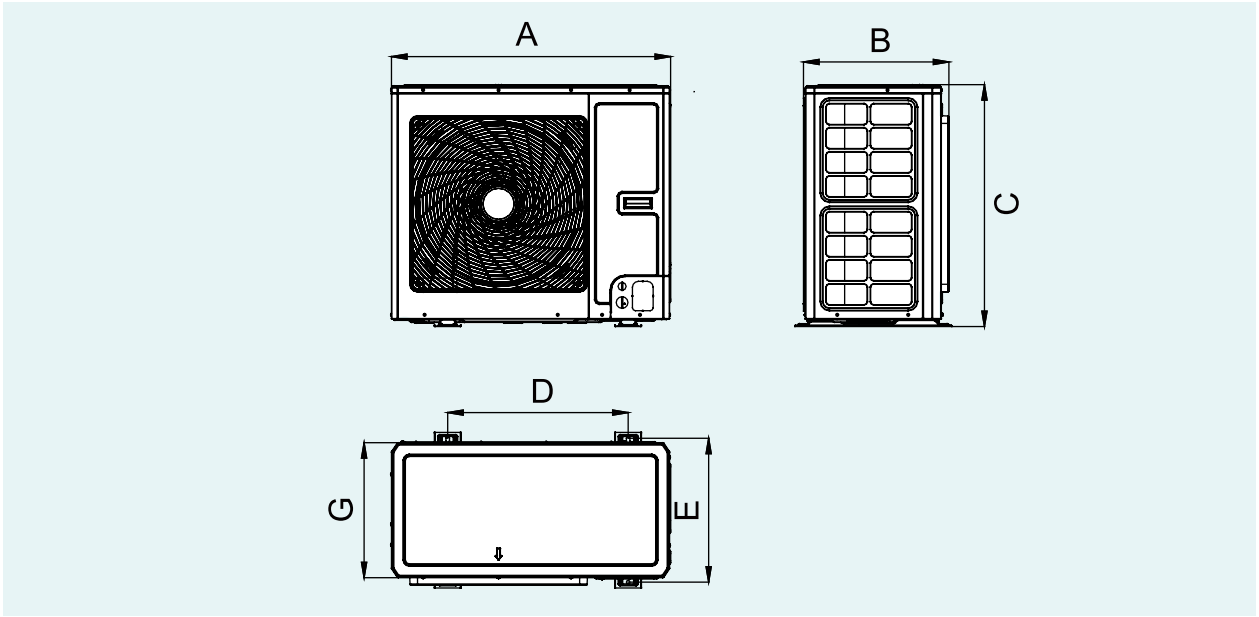
Outdoor Unit

Dimensions

AZDS-24AHP , AZDS-36AHP



AZDS-42R(A)HP,AZDS-48R(A)HP,AZDS-55R(A)HP



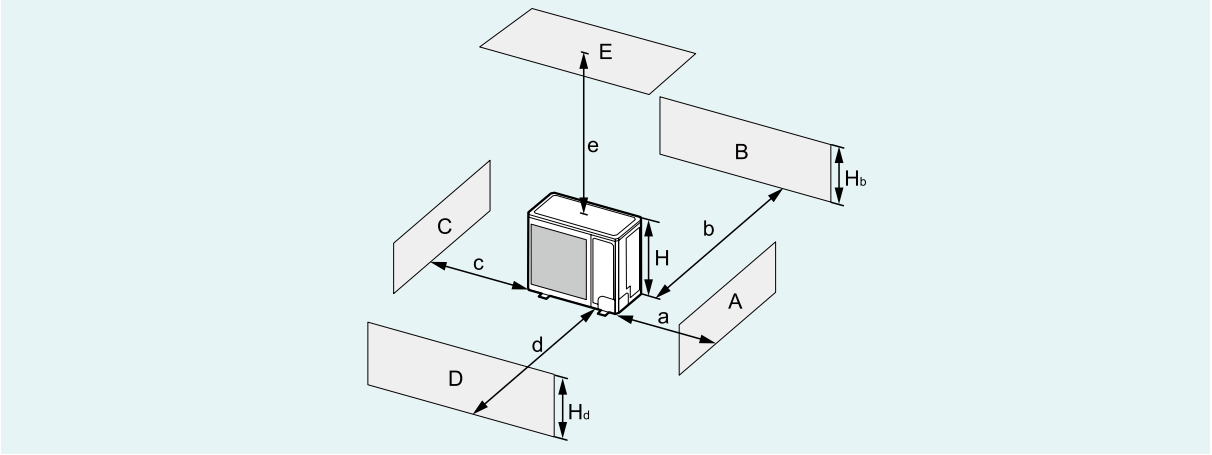
Unit：mm

Model \ Dimensions	A	B	C	D	E	F	G
AZDS-12AHP	818	378	596	550	348	887	302
AZDS-18AHP	818	378	596	550	348	887	302
AZDS-24AHP	892	396	698	560	364	952	340
AZDS-24 AHP	892	396	698	560	364	952	340
AZDS-36AHP	920	427	790	610	395	1002	370
AZDS-42AHP	940	530	820	610	486	—	460
AZDS-48AHP	940	530	820	610	486	—	460
AZDS-55AHP	940	530	820	610	486	—	460
AZDS-42RHP	940	530	820	610	486	—	460
AZDS-48RHP	940	530	820	610	486	—	460
AZDS-55RHP	940	530	820	610	486	—	460

Installation Location

1). When one outdoor unit is to be installe,

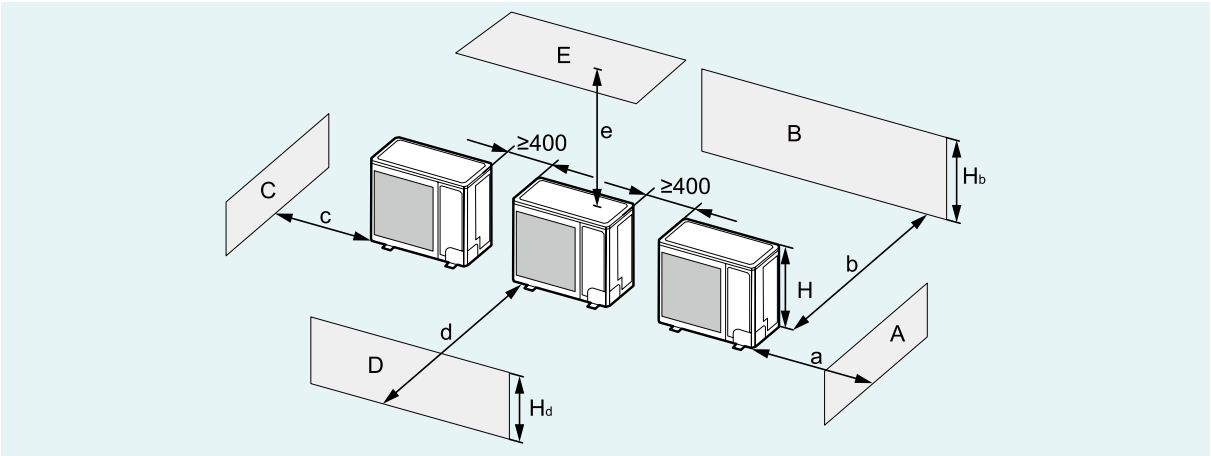
Unit：mm



A~E	H_B H_D H		(mm)				
			a	b	c	d	e
B	—		—	≥100	—	—	—
A,B,C,	—		≥300	≥100	≥100	—	—
B,E	—		—	≥100		—	≥1000
A,B,C,E	—		≥300	≥150	≥150	—	≥1000
D	—		—	—	—	≥1000	—
D,E	—		—	—	—	≥1000	≥1000
B,D	$H_B<H_D$	$H_D>H$	—	≥100	—	≥1000	—
	$H_B>H_D$	$H_D<H$	—	≥100	—	≥1000	—
B,D,E	$H_B< H_D$	$H_B≤1/2H$	—	≥250	—	≥2000	≥1000
		1/2 H<H_B≤H	—	≥250	—	≥2000	≥1000
		$H_B>H$	Prohibited				
	$H_B>H_D$	$H_D≤1/2$ H	—	≥100	—	≥2000	≥1000
		1/2 H<H_D≤H	—	≥200	—	≥2000	≥1000
		$H_D>1/2$ H	Prohibited				

2). When two or more outdoor units are to be installed side by side,

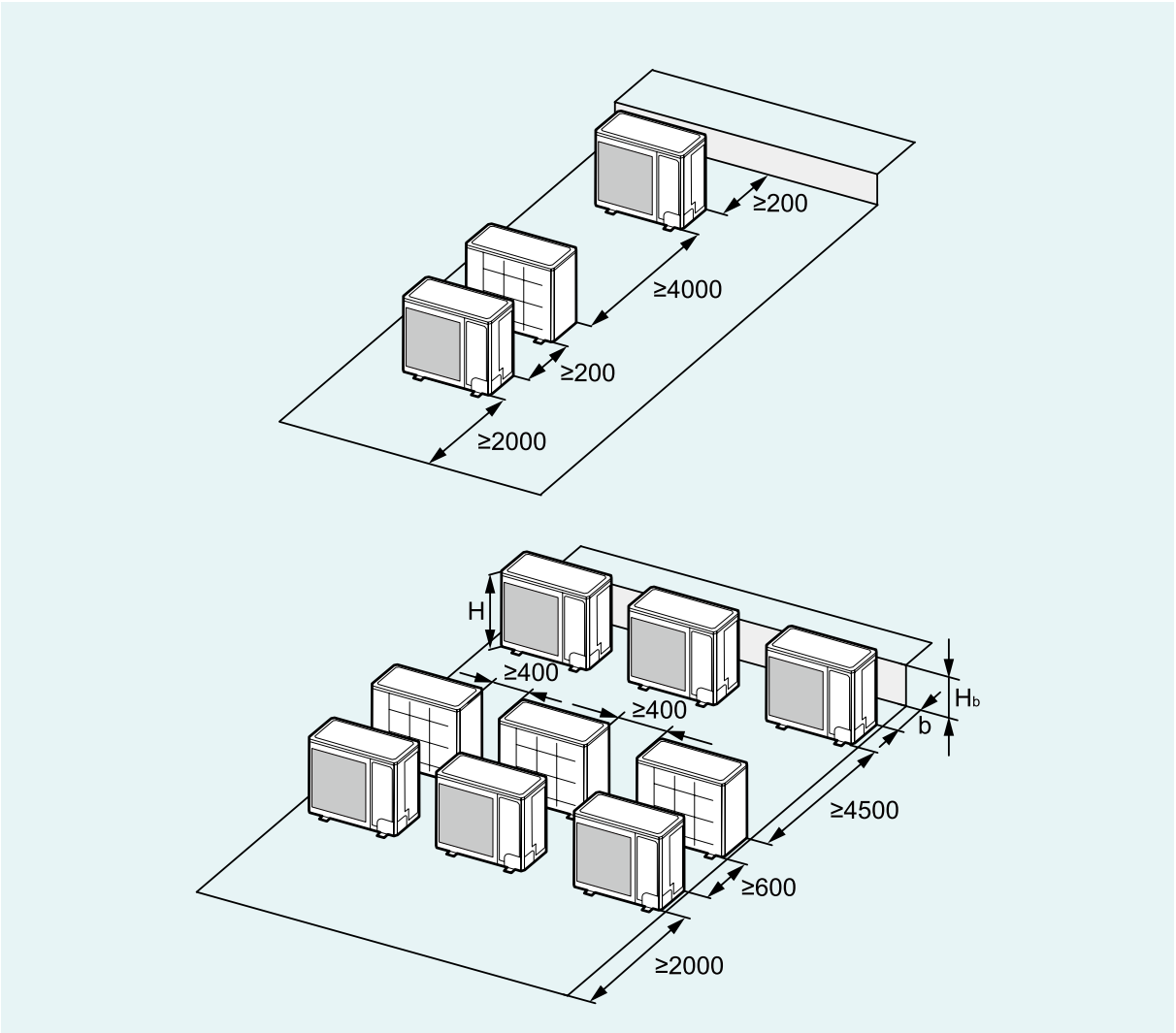
Unit：mm



A~E	HB HD H		(mm)				
			a	b	c	d	e
A,B,C	—		≥300	≥300	≥1000	—	—
A,B,C,E	—		≥300	≥300	≥1000	—	≥1000
D	—		—	—	—	≥2000	—
D,E	—		—	—	—	≥2000	≥1000
B,D	HB<HD	HD>H	—	≥300	—	≥2000	—
	HB>HD	HD≤1/2 H	—	≥250	—	≥2000	—
		1/2 H<HD≤H	—	≥300	—	≥2500	—
B,D,E	HB< HD	HB≤1/2 H	—	≥300	—	≥2000	≥1000
		1/2 H<HB≤H	—	≥300	—	≥2500	≥1000
		HB>H	Prohibited				
	HB > HD	HD≤1/2 H	—	≥250	—	≥2500	≥1000
		1/2 H<HD≤H	—	≥300	—	≥2500	≥1000
		HD>1/2 H	Prohibited				

3). When outdoor units are installed in rows,

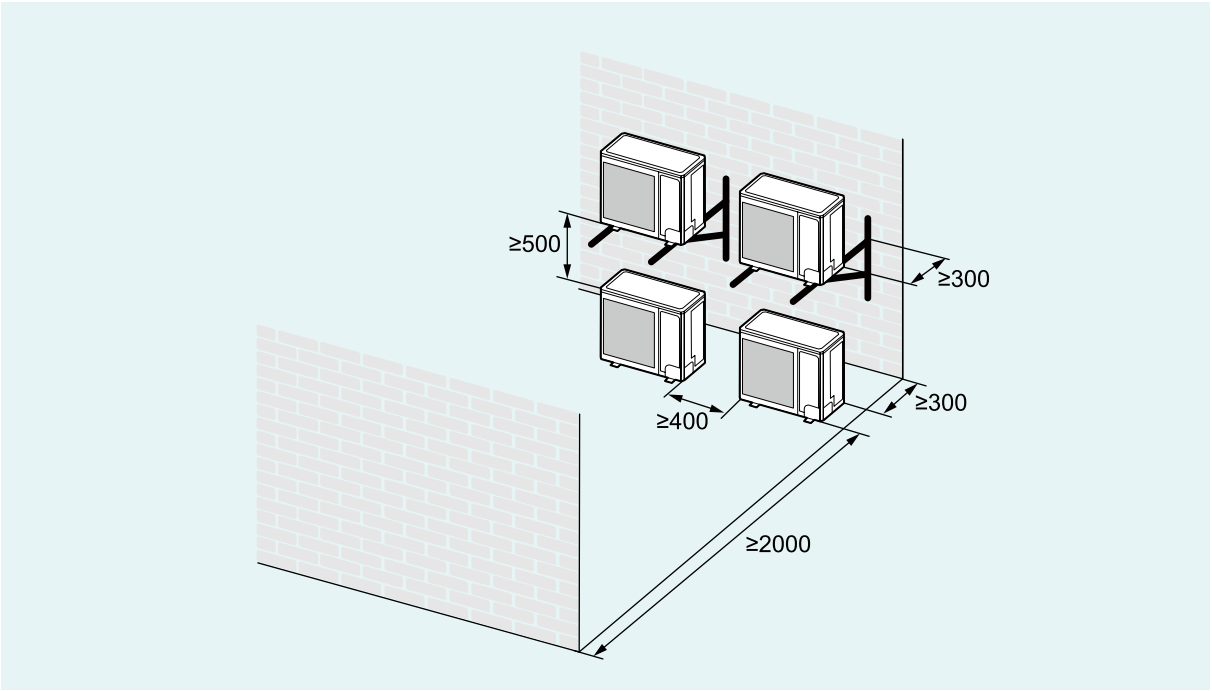
Unit：mm



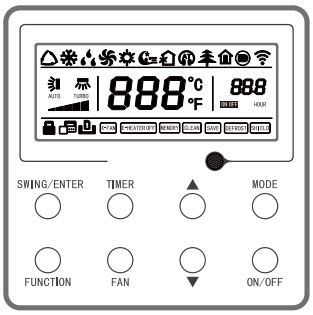
H_B H	B(mm)
$H_B \leq 1/2$ H	b≥250
1/2 H<$H_B \leq$H	b≥300
H_B>H	Prohibited

4). When outdoor units are installed one above another,

Unit：mm



Controller



Dimensional Drawing of XK117

Dimensional Drawing of XE71-42/G