



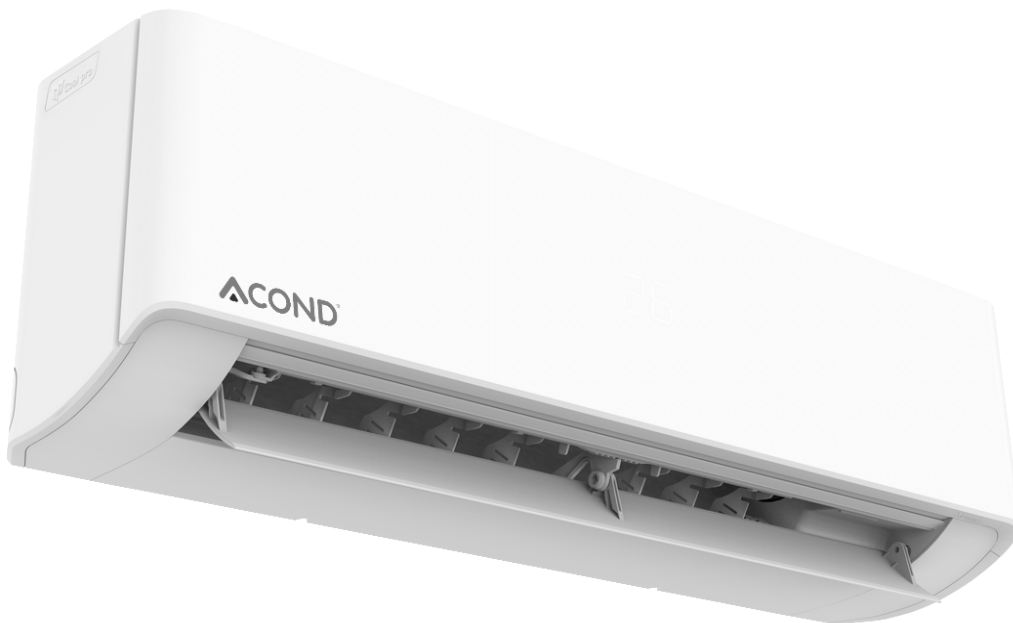
Version: 2.1

SPLIT TYPE AIR CONDITIONER

ASE series

Technical Sheet

R32
Refrigerant



2. Product Specifications

ACOND model		ASE-12UW4RXRKD00	ASE-18UW4RBSKD00
Performance			
Pdesign Cooling	W	3500	5000
Pdesign Heating Average	W	2800	3900
Pdesign Heating Warm	W	3500	5000
SEER	Cooling	8,5	7,8
SCOP	Heatling Average	4,6	4,6
SCOP	Heatling Warm	5,1	5,1
Energy Class	Cooling	A+++	A++
Energy Class	Heatling Average	A++	A++
Energy Class	Heatling Warm	A+++	A+++
Cooling Capacity	W	3500(1000-4000)	5000(1500-6300)
Heating Capacity	W	3900(1000-4400)	5400(1600-6200)
Input-Cooling	W	890(190-1500)	1295(260-1800)
Input-Heating	W	1000(190-1600)	1380(320-1650)
Moisture Removal	L/H.r	1,2	2,0
Air Circulation	m3/h	580	950
EER for Cooling	W/W	3,93	3,86
COP for Heating	W/W	3,90	3,91
Max current	A	8	12,3
Refrigerant		R32	R32
Refrigerant charge volume	g	800	1150
Indoor Unit Noise Level - Sound Power	dB (A)	56	60
Indoor Unit Noise Level - Sound Pressure	dB (A)	40/38/36/34/31/26	44/42/40/38/36/32
Outdoor Unit Noise Level - Sound Power	dB (A)	62	63
Outdoor Unit Noise Level - Sound Pressure	dB (A)	54	56
Annual energy consumption(cooling)	kWh/a	144	224
Annual energy consumption(heating)	warmer	961	1372
	average	852	1187
	colder	/	/
Power Supply			
Voltage, Frequency, Phase	V	220-240V~,50Hz,1P	220-240V~,50Hz,1P
Rated Current	Cooling (A)	4	5,8
	Heating (A)	4,5	6,2
System			
Compressor type		Rotary	Rotary
Compressor MFG		GMCC	GMCC
Expansion Device		expansion valve	expansion valve
Evaporator		Copper tube and Aluminum Fin	Copper tube and Aluminum Fin
Condenser		Copper tube and Aluminum Fin	Copper tube and Aluminum Fin
Connecting Pipe Diameter			
Liquid Pipe	inch	1/4	1/4
Gas Pipe	inch	3/8	1/2
Features			
Display on Front Panel		LED	LED
LCD Wireless Remote Controller		Yes	Yes
Removable and washable Panel		Yes	Yes
Washable PP Filter		Yes	Yes
24 Hours Timer		Yes	Yes
3 Speed and Auto Indoor Fan Control		Yes	Yes
Vertical Auto Swing Louver		Yes	Yes
Sleep Operation		Yes	Yes
Smart Function		Yes	Yes
Super Function		Yes	Yes
Auto Restart		Yes	Yes
Silent Mode		Yes	Yes
Dimmer		Yes	Yes
2 Ways Draining Connection (Left or Right)		Yes	Yes
Low ambient temperature cooling		Yes	Yes
Horizontal Auto Swing Louver		No	No
Super silence		RC	RC
8 degree celsius heating		RC	RC
5 Speed and Auto Indoor Fan Control		RC	RC


ACOND model		ASE-12UW4RXRKD00	ASE-18UW4RBSKD00
Other			
Net Dimensions WxHxD (mm)	Indoor Unit	790×255×203	890×300×220
	Outdoor Unit	810×585×280	860×667×310
Net Weight (Kg)	Indoor Unit	7.3	10
	Outdoor Unit	33	39
Packing Dimensions WxHxD (mm)	Indoor Unit	850×320×260	960×360×300
	Outdoor Unit	940×630×385	995×720×420
Gross Weight (Kg)	Indoor Unit	8.8	12
	Outdoor Unit	37	45
Loading Capacity (20'/40'/40'HC) No Pipe		98/198/230	72/140/164
Test Standard		EN 14511,EN 14825, EN 12102	EN 14511,EN 14825, EN 12102
Approvals		CE	CE
Operating Temp Range (°C)	cooling	-15°C-43°C	-15°C-43°C
	heating	-20°C-24°C	-20°C-24°C
Max allowable tubing length at shipment	m	5	5
limit of tubing length	m	15	20
limit of elevation difference H	m	8	15
required amount of additional refrigerant	g/m	20	20

RC: The function realization depend on the RC which you chose.

3. Product Picture and Drawing


3-1. Product Pictures

Indoor units:


Front Panel	KD
View	

Note: " ** " mean one or more than one code of Front Panel , but maybe not mean that all the code .

Outdoor Units:

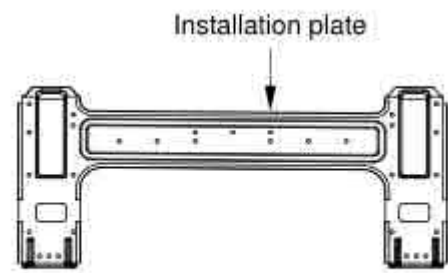
Front view	
View	

Remote controller:

Model	L1		
<p>View</p>	 <p>The image shows a silver, vertically-oriented remote controller for an ACOND air conditioner. At the top is a small LCD display showing '88', 'ON', and '88:88'. Below the display are several icons for fan speed, sleep, and other functions. The main control area features a central power button with a red 'L' symbol, surrounded by 'SMART', 'MODE', 'TEMP', 'SUPER', and 'FAN SPEED' buttons. Below these are 'I FEEL', 'SLEEP', 'CLOCK', 'TIMER ON', and 'TIMER OFF' buttons. At the bottom are 'QUIET', 'DIMMER', and 'ECONOMY' buttons. The ACOND logo is printed at the very bottom of the device.</p>		

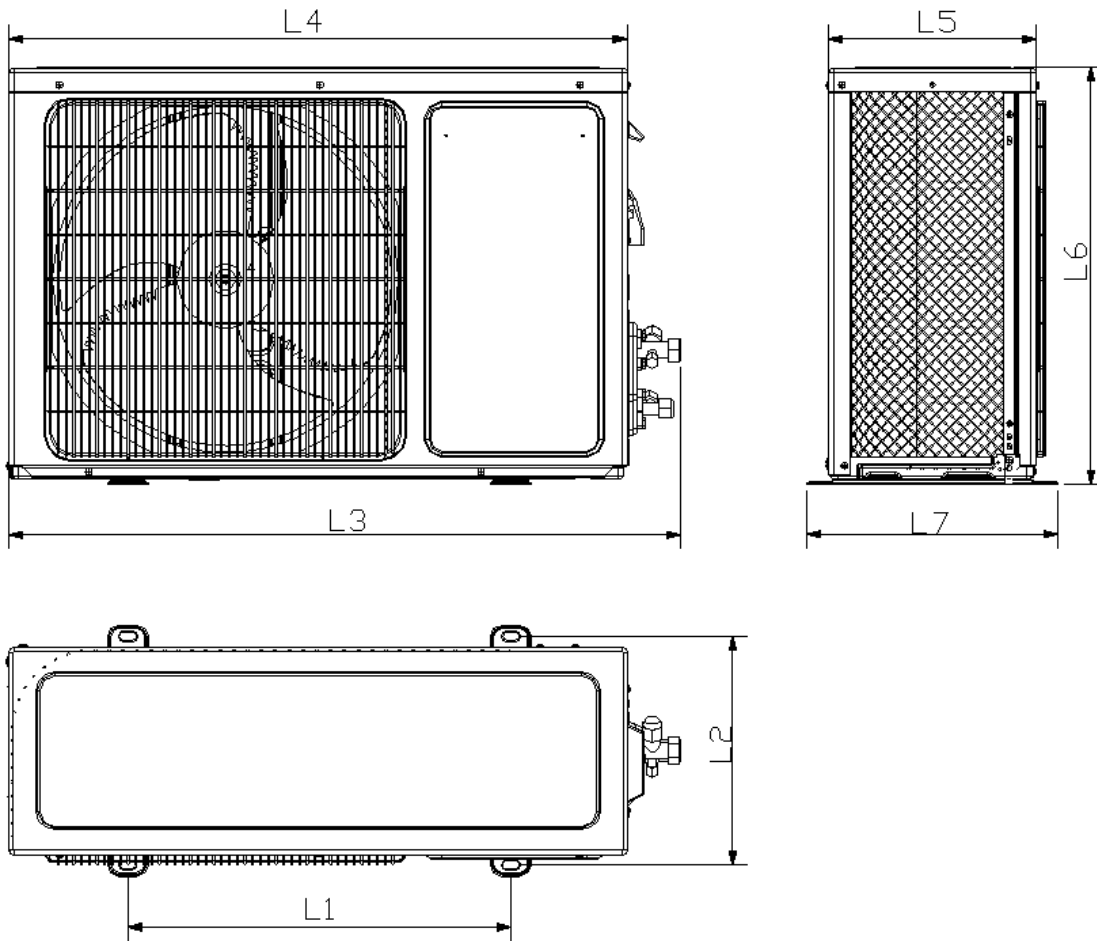
3-2. Product dimensions

Indoor units:



Model	W (mm)	H (mm)	D (mm)
ASEi-12UW4RXRKD00	830	256	194
ASEi-18UW4RBSKD00	930	300	214

Outdoor units:



Model	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)	L7 (mm)
ASEi-12UW4RXRKD00	510	310	885	810	280	585	338
ASEi-18UW4RBSKD00	542	341	935	878	310	667	368

4. Installation Instruction



WARNING

To prevent abnormal heat generation and the possibility of fire, do not place obstacles, enclosures and grilles in front of or surrounding the air conditioner in a way that may block air flow. And, more than 1 meter away from any antenna or power lines or connecting wires used for TV, radio, telephone, security system, or intercom. Electrical noise from any of these sources may affect operation.

4-1. Installation Place and Condition

Indoor unit

Avoid:

- △ direct sunlight.
- △ nearby heat sources that may affect performance of the unit.
- △ areas where leakage of flammable gas may be expected.
- △ places where large amounts of oil mist exist.

Do:

- △ Select an appropriate position from which every corner of the room can be uniformly cooled.
- △ Select a location that will hold the weight of the unit.
- △ Select a location where tubing and drain hose have the shortest run to the outside. (See a)
- △ Allow room for operation and maintenance as well as unrestricted air flow around the unit. (See b)
- △ Install the unit within the maximum elevation difference (H) above or below the outdoor unit and within a total tubing length (L) from the outdoor unit as detailed (See table 1 and c)

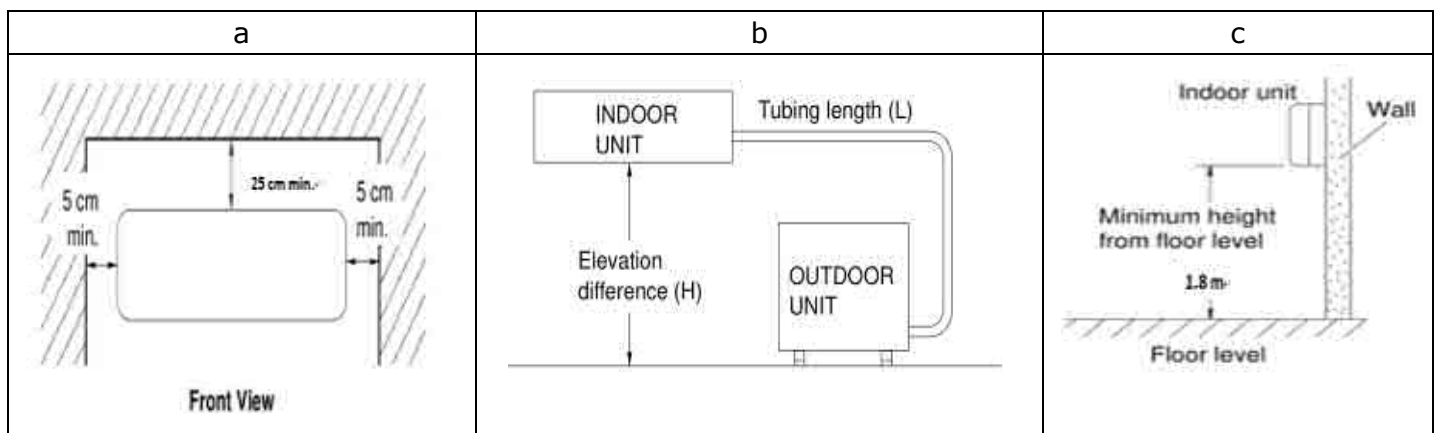


table 1

Capacity (Btu/h)	Pipe Size		Standard Length (m)	Max. Elevation B (m)	Max.Length A (m)	Additional Refrigerant (g/m)
	GAS	LIQUID				
12k	3/8"(Ø9.52)	1/4"(Ø6.35)	5	5	15	20
	1/2"(Ø12.7)	1/4"(Ø6.35)	5	5	15	20
18k	1/2"(Ø12.7)	1/4"(Ø6.35)	5	5	15	20
	5/8"(Ø15.88)	1/4"(Ø6.35)	5	5	15	20
	5/8"(Ø15.88)	3/8"(Ø9.52)	5	5	15	30

* If total tubing length becomes 7.5 to 15 m (max.), charge additional refrigerant as the table1 for reference. And no additional compressor oil is necessary.

* Min length is 3m, if too short maybe lead to some abnormal noise and high pressure.

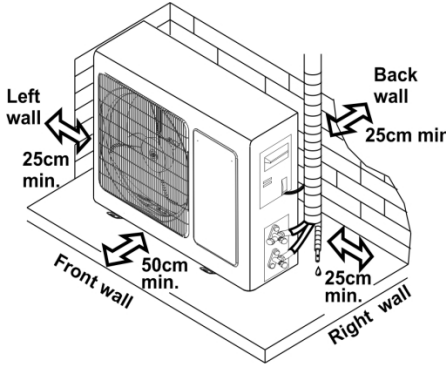
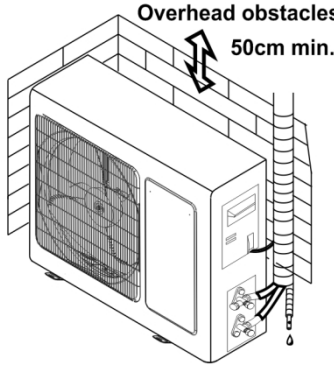
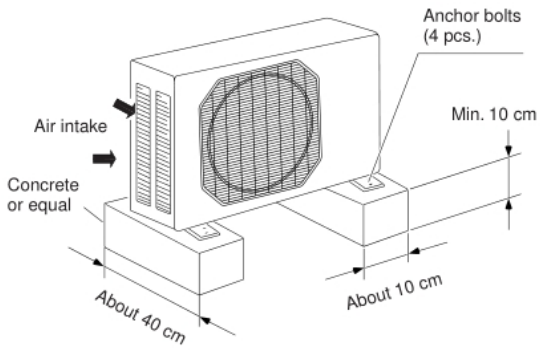
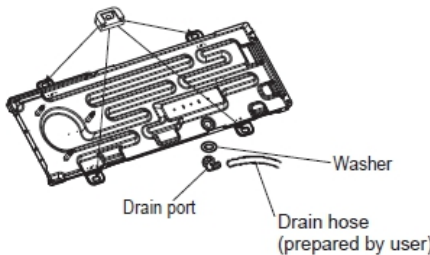
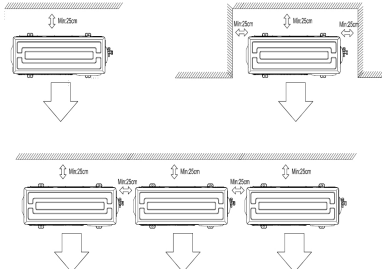
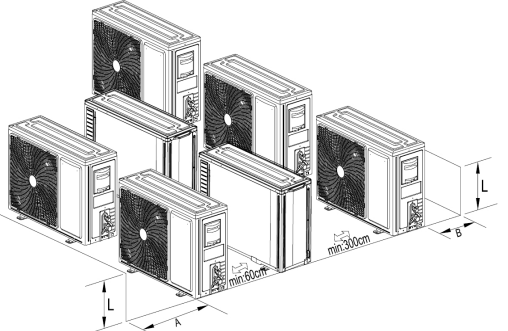
Outdoor unit

Avoid:

- △ Heat sources, exhaust fans, etc.
- △ Damp, humid or uneven locations.

DO:

- △ Choose a place as cool as possible.
- △ Choose a place that is well ventilated.
- △ Allow enough room around the unit for air intake or exhaust and possible maintenance. (see a1, b1 & c1)
- △ Provide a solid base (level concrete pad, concrete block, 10 × 40 cm beams or equal), a minimum of 10 cm above ground level to reduce humidity and protect the unit against possible water damage and decreased service life.
- △ Install cushion rubber under unit's feet to reduce vibration and noise.
- △ Use lug bolts or equal to bolt down unit, reducing vibration and noise.

a1	b1	c1									
											
<p>Rubber pad (optional) Place under the leg pedestal</p> 		<table border="1" data-bbox="970 1272 1278 1361"> <thead> <tr> <th>L</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>0 < L ≤ H</td> <td>> 60</td> <td>> 30</td> </tr> <tr> <td>H < L</td> <td>> 140</td> <td>> 35</td> </tr> </tbody> </table> 	L	A	B	0 < L ≤ H	> 60	> 30	H < L	> 140	> 35
L	A	B									
0 < L ≤ H	> 60	> 30									
H < L	> 140	> 35									

Recommended Wire Diameter:

Capacity size	Wire Diameter(mm ²)	Fuse or Circuit Breaker Capacity
5K~12k	1.0(Power wire)/1.0 (Connect wire)	3.15A or 5A (indoor) /15A (outdoor)
18k	2.5(Power wire)/1.5 (Connect wire)	3.15A or 5A (indoor) /20A (outdoor)
22K~30K	2.5(Power wire)/2.5 (Connect wire)	3.15A or 5A (indoor) /30A (outdoor)

5. Function Operation

5-1. Operation Range (cooling and heating)

For European Union(EU)

Temperature		Cooling operation	Heating operation
Indoor temperature	Max	32°C	27°C
	Min	21°C	7°C
outdoor temperature	Max	43°C	24°C
	Min	-15°C	-20°C

*Optimum performance will be achieved within these operating temperature. If air conditioner is used outside of the above conditions, the protective device may trip and stop the appliance.

*For ASE models, can keep cooling at -15 °C outdoor ambient via unique design. Normally, optimum cooling performance will be achieved above 21 °C. Please consult the merchant to get more information.

*For ASE models, can keep heating at -20 °C outdoor ambient, even heat at lower outdoor ambient. The temperature of some products is allowed beyond the range. In specific situation, please consult the merchant. When relative humidity is above 80%, if the air conditioner runs in COOLING or DRY mode with door or window opened for a long time, dew may drip down from the outlet.