



Healthy

HEPA Module (Optional)

PM2.5 is particulate matter with a diameter of $\leq 2.5\mu\text{m}$ in the air, which has negative impacts on air quality and visibility. PM2.5 has small particle size, large area, strong activity, easy to carry toxic and harmful substances (such as heavy metals, microorganisms, etc.), long residence time in the atmosphere and long transportation distance, so it has a greater impact on human health and atmospheric environmental quality.

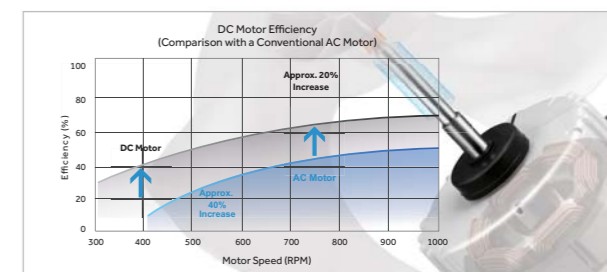
HEPA module could remove PM2.5 with high purifying efficiency-99.9% per 2h.



Energy Saving

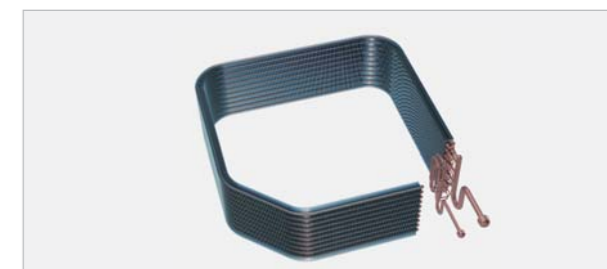
DC Fan Motor

Haier cassette adopts DC fan motor, compared to conventional AC fan motor, DC fan motor is more efficiency.

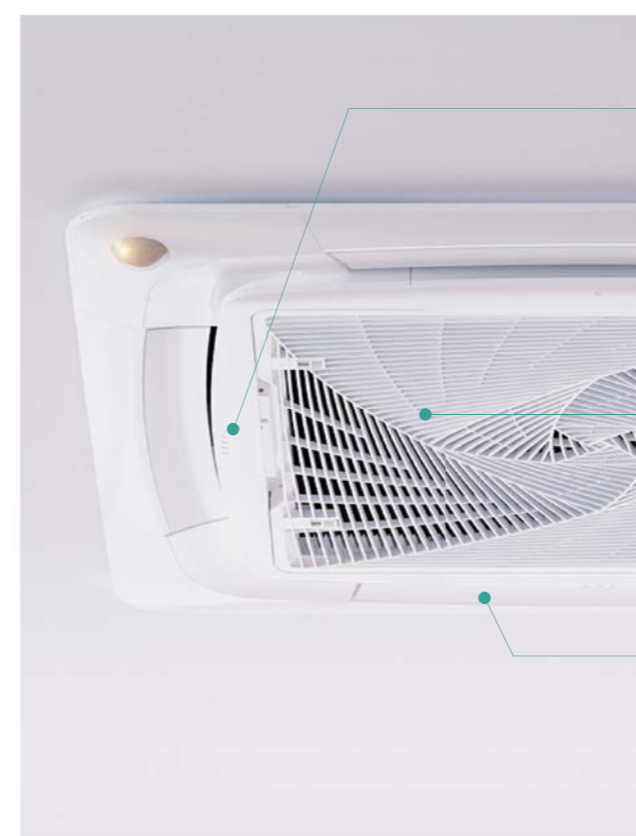


New Heat Exchanger Design

The area of exchanger is enlarge to increase heating efficiency.



Comfortable



1 | Hidden LCD Display

The 360° smart flow cassette have particular hidden LCD display design. Green display for cooling red display for heating, it is very easy identified by opening mode.

2 | "Spiral" Panel

"Spiral" concept, "Haier" image.

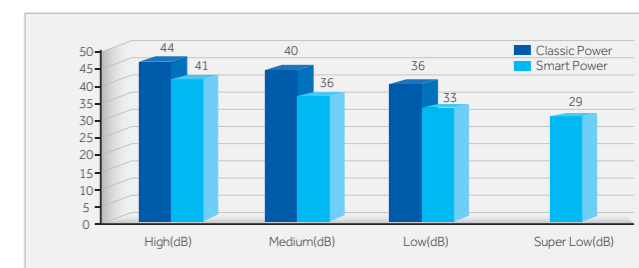
3 | Flap is Closed When Air Conditioner Off

There is no crack from the flap and the panel when the air conditioner off. More elegance.

Fan Speed Programme

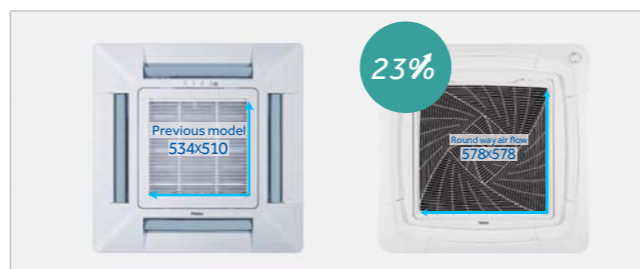
Besides 3 normal speeds, we set one extra least fan speed, totally 4 speeds. Sound level reduce 3dB(A) extra.

Series	Classic Power	Smart Power
Cooling Capacity	8kW	9kW
Model	AB28E51ERA(S)	ABH090H1ERG



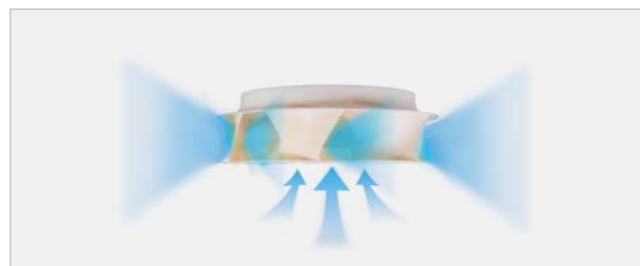
Super Big Inlet Grille

Compared to conventional air inlet grill, we enlarge the air inlet area by 23%, lower air speed & lower the sound level.



Brand-new Designed Fan

The diameter of new fan is enlarged based on acrodynamic theory, so that there is the least resistance against airflow. Reduce 3dB(A) for sound level.



Individual Flap Control

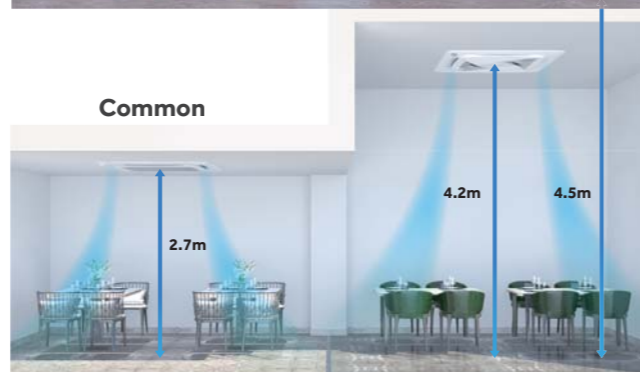
The four flaps can be controlled individually according to end users by controller, providing maximum comfort throughout the room, it is a good solution to avoid "air conditioning disease".



High Ceiling Mode

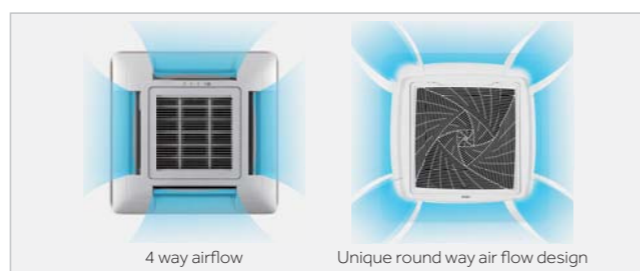
Lots of shops are 5 meters high ceiling. This model can be installed in 4.5 metres height. The best solution for high ceiling shop.

*By wired controller YR-E16A to realize the function.



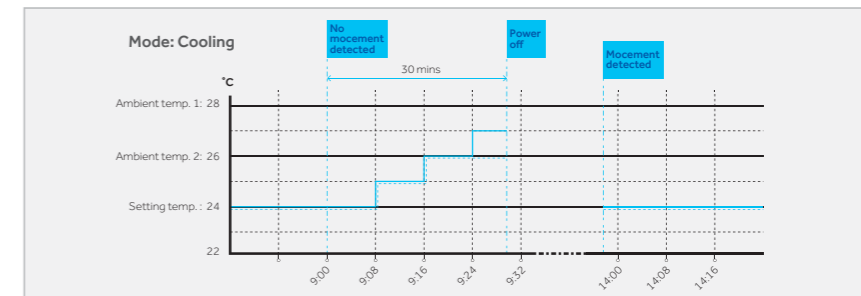
Round Way Air Supply

Round way air supply without blind spot.



Intelligent Sensor

The intelligent sensor can check if there is end user in the room. Then change the setting degree if there is nobody in the room. Energy consumption will be reduced 27% (estimated).



Sensor detects moving heat resources in the room and send one signal to PCB once detected

PCB will adjust setting temp. 1°C higher(cooling mode) or lower(heating mode) every 8 mins if it receive no signal

If setting temp. reaches ambient temp., stop adjust

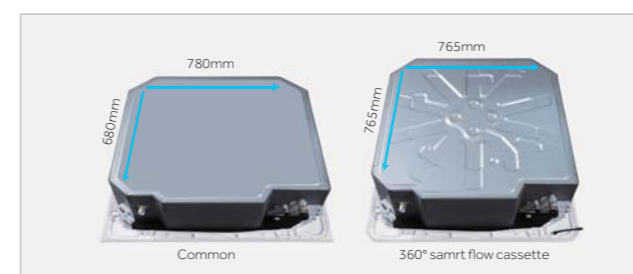
After 30 mins from no signal received, PCB will order to power off

Sensor keep detecting moving heat resources and send signal to PCB once detected

If PCB receives 10 signals in row, it will order the unit power on and return to original setting temp.

Square Hanger

Unit body size: 765*765mm, innovative square hanger, flexible direction adjustment for installation.



Dismantling Only 1 Screw

Installer can finish wiring by taking down 1 screw.



Convenient Clip

There is clip to lock the panel. Just one installer can finish the screwing for panel. Save manpower and easy installation.



High Lift-up Drain Pump

It can lift condensed water up to 1000mm, which is more flexible to install the duct according to the layout.



Compact Cassette



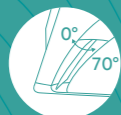
3.5 / 5.0kW



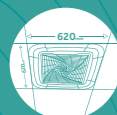
3.5 / 5.0kW



Innovative 4 independent airflow control



Auto Swing: wide discharge angle: 0° to 70°



620x620mm panel fit for the standard decoration panel



Easy installation thanks to 570x570mm design



MODEL			Indoor unit	AB35S2SC1FA	AB50S2SC1FA	AB35S2SC2FA	AB35S2SC2FA-1	AB50S2SC2FA	AB50S2SC2FA-1	
			Outdoor unit	1U35S2SM1FA-2	1U50S2SJ2FA	1U35S2SM1FA-2	1U35S2SM1FA-2	1U50S2SJ2FA	1U50S2SJ2FA	
Nominal performance data	Capacity	Cooling	Btu/h (nor)	12000	17000	12000	12000	17000	17000	
			kW nor(min-max)	3.5(0.9-4.5)	5.0(1.8-5.8)	3.5(0.9-4.5)	3.5(0.9-4.5)	5.0(1.8-5.8)	5.0(1.8-5.8)	
	Heating		Btu/h (nor)	13700	18800	13700	13700	18800	18800	
			kW nor(min-max)	4.0(1-4.8)	5.5(2-6.5)	4.0(1-4.8)	4.0(1-4.8)	5.5(2-6.5)	5.5(2-6.5)	
	Rated power input	Cooling	kW nom(min-max)	1.06(0.28-1.8)	1.53(0.55-2)	1.06(0.28-1.8)	1.06(0.28-1.8)	1.06(0.28-1.8)	1.53(0.55-2)	1.53(0.55-2)
Heating		kW nom(min-max)	1.08(0.28-1.8)	1.61(0.6-2)	1.08(0.28-1.8)	1.08(0.28-1.8)	1.08(0.28-1.8)	1.61(0.6-2)	1.61(0.6-2)	
EER/COP				3.31/3.71	3.26/3.42	3.31/3.71	3.31/3.71	3.26/3.42	3.26/3.42	
Cooling P design(35°C)			kW	3.5	5	3.5	3.5	5	5	
Heating P design(-10°C)			kW	3	4	3	3	4	4	
SEER/SCOP				6.1/3.8	6.1/3.8	6.1/3.8	6.1/3.8	6.1/3.8	6.1/3.8	
Energy class(Cooling/Heating)				A++/A	A++/A	A++/A	A++/A	A++/A	A++/A	
Annual energy consumption(Cooling)			kW	222	363	222	222	363	363	
Annual energy consumption(Heating)			kW	1427	1932	1427	1427	1932	1932	
INDOOR UNIT										
Electrical Parameters	Power supply		Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	
	Air flow(H/M/L)		m³/h	620/520/450	700/620/500	620/520/450	620/520/450	700/620/500	700/620/500	
Performance	Sound power level(H/M/L)		dB(A)	52	55	52	52	55	55	
	Sound pressure level(H/M/L)		dB(A)	36/33/30	42/37/35	36/33/30	36/33/30	42/37/35	42/37/35	
Installation	External dimensions(W/D/H)		mm	570/570/260	570/570/260	570/570/260	570/570/260	570/570/260	570/570/260	
	Shipping dimensions(W/D/H)		mm	718/680/380	718/680/380	718/680/380	718/680/380	718/680/380	718/680/380	
	Net/Shipping weight		kg	18.5/22	19/22	18.5/22	18.5/22	19/22	19/22	
	Controller		optional	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01	
Panel	Panel Model			YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A	
	External dimensions(W/D/H)		mm	700/700/60	700/700/60	620/620/60	620/620/60	620/620/60	620/620/60	
	Shipping dimensions(W/D/H)		mm	740/750/115	740/750/115	660/660/115	660/660/115	660/660/115	660/660/115	
	Net/Shipping weight		kg	2.8/4.8	2.8/4.8	2.8/4.5	2.8/4.5	2.8/4.5	2.8/4.5	
OUTDOOR UNIT										
Elec. parameters	Power supply		Ph/V/Hz	1/220-240/50	1/230/50	1/220-240/50	1/220-240/50	1/230/50	1/230/50	
	Air flow (H)		m³/h	2000	2500	2000	2000	2500	2500	
Performance	Sound power level		dB(A)	61	63	61	61	63	63	
	Sound pressure level		dB(A)	48	51	48	48	51	51	
	External dimensions(W/D/H)		mm	800/275/553	820/338/614	800/275/553	800/275/553	820/338/614	820/338/614	
Installation	Shipping dimensions(W/D/H)		mm	908/405/625	993/413/685	908/405/625	908/405/625	993/413/685	993/413/685	
	Net/Shipping weight		kg	30/32.9	37.8/41.5	30/32.9	30/32.9	37.8/41.5	37.8/41.5	
	Compressor type			Rotary	Twin rotary	Rotary	Rotary	Twin rotary	Twin rotary	
	Refrigerant type			R32	R32	R32	R32	R32	R32	
	GWP			675	675	675	675	675	675	
	Refrigerant liquid pipe		mm	6.35	6.35	6.35	6.35	6.35	6.35	
	Refrigerant gas pipe		mm	9.52	12.7	9.52	9.52	12.7	12.7	
	Max pipe length		m	15	25	15	15	25	25	
	Max drop between I.U.&O.U		m	10	15	10	10	15	15	
	Refrigerant load in factory		kg	0.78	0.95	0.78	0.78	0.95	0.95	
Maximum pipe length without charge refrigerant		m	7	7	7	7	7	7		
Refrigerant charge quantity for extra length		g/m	20	20	20	20	20	20		
Working temp.	Cooling(Min-Max)		°C	-10-46	-10-46	-10-46	-10-46	-10-46	-10-46	
	Heating(Min-Max)		°C	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24	

* Data is pending;

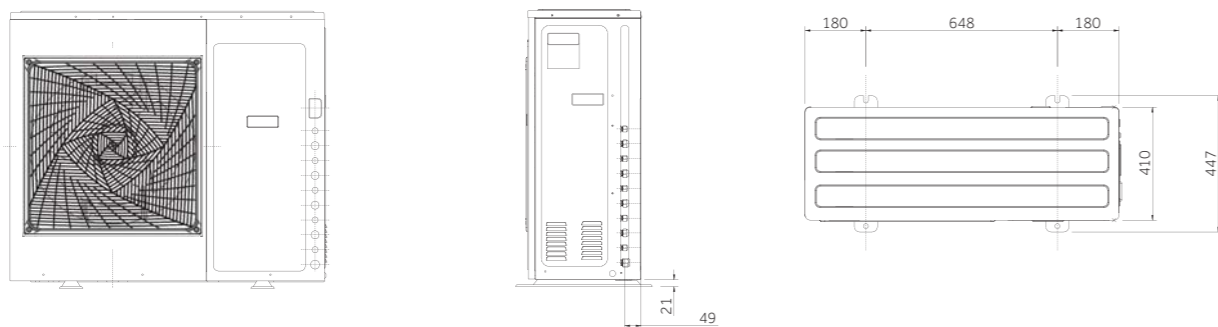
R32 SUPER MATCH PLUS SINGLE SPLIT(HEAT PUMP)

Outdoor Platform(R410A)

Outdoor Platform(R32)

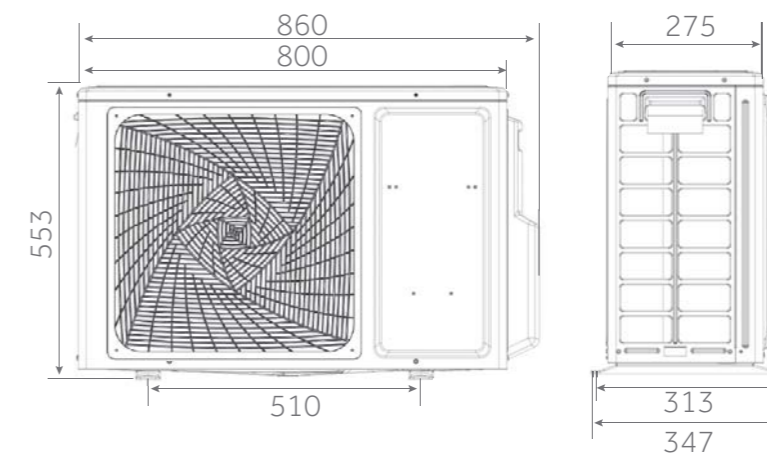
Multi Split

5U45LS1ERA



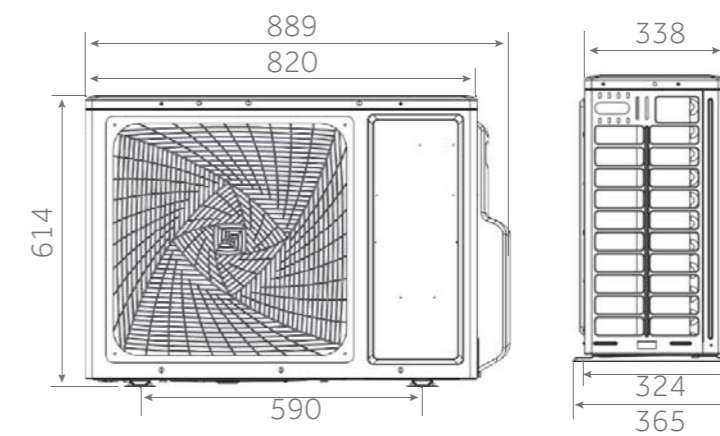
Single Split

1U25S2SM1FA/1U35S2SM1FA/1U42S2SM1FA



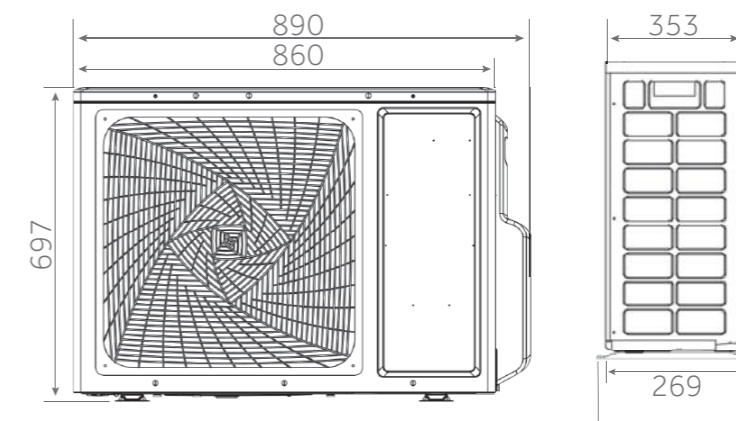
Single Split

1U50S2SJ2FA/1U50S2SJ2FA-1



Single Split

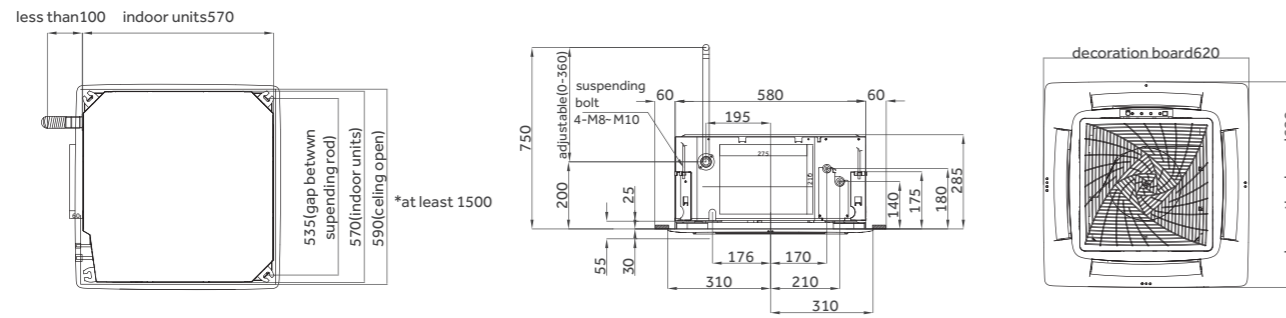
1U71S2SR2FA



Indoor Platform

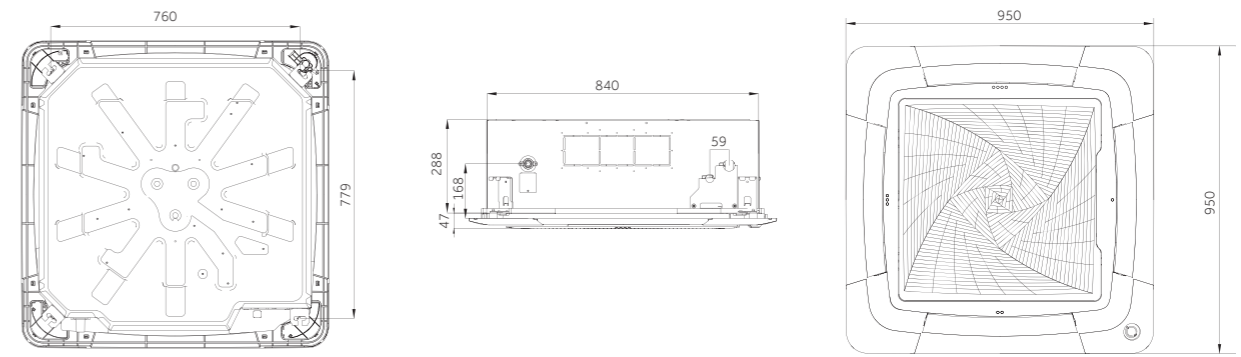
Compact Cassette (620)

AB25S2SC1FA/AB25S2SC2FA/AB35S2SC1FA/
AB35S2SC2FA/AB50S2SC1FA/AB50S2SC2FA



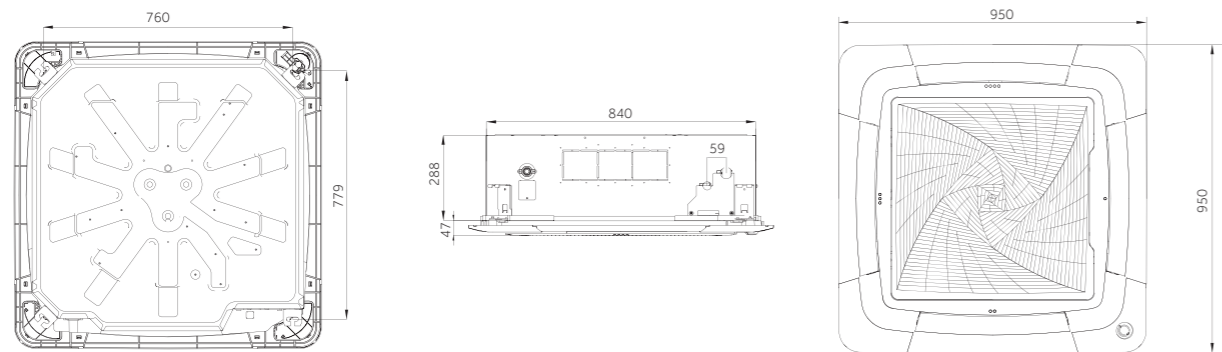
Cassette Type (Round Way Cassette)

ABH125K1ERG/ABH140K1ERG/ABH160K1ERG



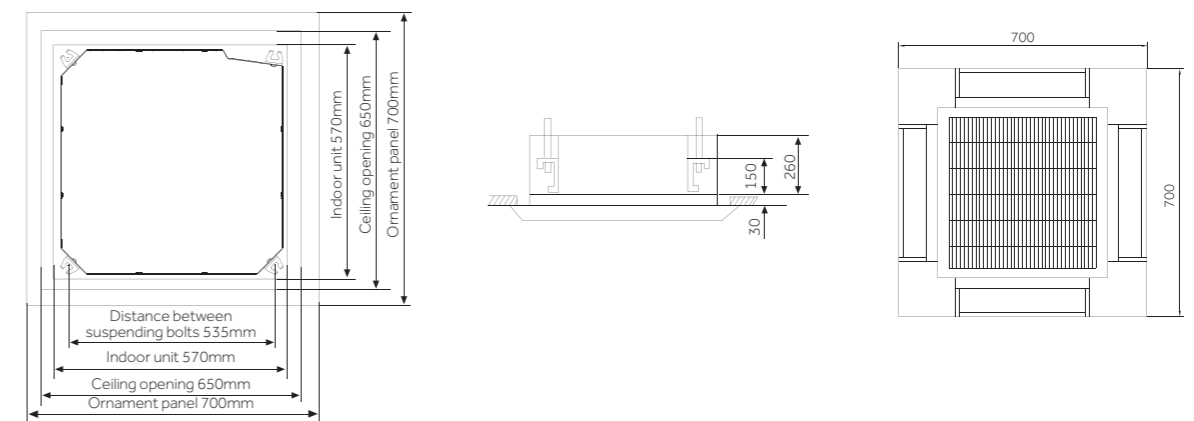
Cassette Type (Round Way Cassette)

AB71S2SG1FA



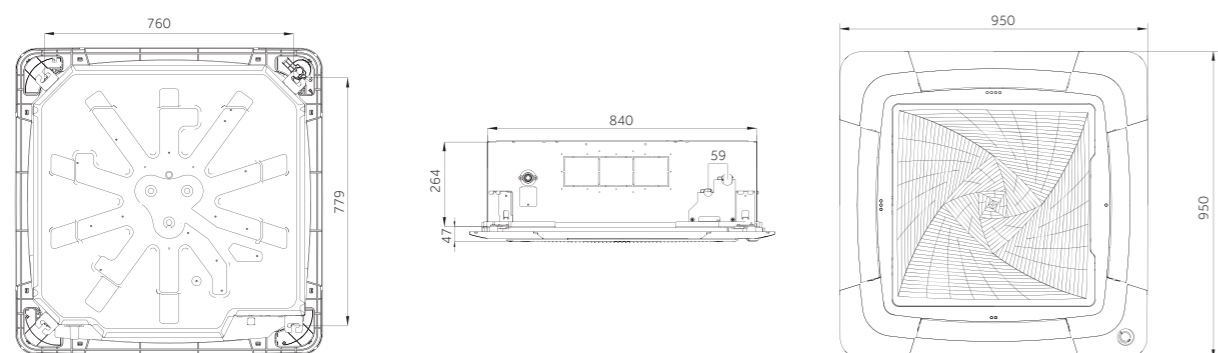
Cassette Type

AB12CS1ERA(S)/AB18CS1ERA(S)/AB12CS2ERA(S)/AB18CS2ERA(S)



Cassette Type (Round Way Cassette)

ABH090H1ERG/ABH105H1ERG



Cassette Type

AB24ES1ERA(S)/AB28ES1ERA(S)

