Healthy

HEPA Module (Optional)

PM2.5 is particulate matter with a diameter of ≤2.5μm 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.

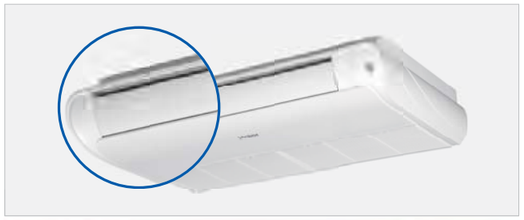
HEPA module could remove PM2.5 with high purifying efficiency-99.9% per 2h.

Comfortable

Big-wave shape on both sides to embody multiple levels design, ultra thin visually.

Minimum sound pressure level (7.1kW) up to 34dB(A) leading in the industry.

Appearance without screw, easy care.



Freestyle Airflow(Optional)

Left /right swing individually, maxi angle degree 100°, different angle can be fixed accordingly. Up-and-down swing angle maxi. degree 70°.

Smart

Intelligent Sensor (Optional)

Switch-on when people coming in; switch-off when people leaving.

Convenient

Turbo mode 4.2m(12.5/14/16kW) which is convenience for installation choice.

Easy to wire and maintain PCB: simply open the grille to make it.

Convertible

3.5 / 5.0 / 7.1 / 10.5kW

MODEL			Indoor unit	AC35S2SG1FA	AC50S2SG1FA	AC71S2SG1FA	AC105S2SH1FA	AC105S2SH1FA
			Outoor unit	1U35S2SM1FA-2	1U50S2SJ2FA	1U71S2SR2FA	1U105S2SS2FA	1U105S2SS1FB
Nominal performance data	Capacity	Cooling	Btu/h (nor)	12000	17060	24230	32400	32400
			kW nor(min~max)	3.5(1.0~4.3)	5.0(1.4~5.7)	7.1(2~7.3)	9.5(2.5~10.0)	9.5(2.5~10.0)
		Heating	Btu/h (nor)	14334	20136	25600	34800	35800
			kW nor(min~max)	4.0(1.0~5.3)	5.8(1.4~6.0)	7.5(2.5~8)	10.2(3.0~10.5)	10.5(3.0~11)
	Rated power input	Cooling	kW nom(min~max)	0.91(0.3~1.5)	1.45(0.5~2.0)	2.20(0.5~3.0)	3.13(0.5~4.0)	3.27(0.5~4.0)
		Heating	kW nom(min~max)	1.07(0.5~1.6)	1.56(0.52~2.35)	2.02(0.5~3.0)	3.07(0.5~4.0)	3.0(0.5~4.0)
	EER/COP			3.81/3.73	3.48/3.73	3.23/3.71	3.04/3.32	2.9/3.5
	Cooling P design(35˚C)		kW	3.5	5	7.1	9.5	9.5
Seasonal performance data	Heating P design(-10˚C)		kW	3	4.4	5	7	6
	SEER/SCOP			8.5/4.47	7.31/4.1	6.1/3.8	6.11/3.8	6.11/3.91
	Energy class(Cooling/Heating)			A+++/A+	A++/A+	A++/A	A++/A	A++/A
	Annual energy consumption(Cooling)		kW	146	240	407	549	557
	Annual energy consumption(Heating)		kW	945	1491	1832	2750	2228
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
Performance	Air flow(H/M/L)		m^3/h	750/620/500	880/750/650	1250/1128/930	1600/1400/1280	1600/1400/1280
	Sound power level(H/M/L)		dB(A)	53	57	61	61	63
	Sound pressure level(H/M/L)		dB(A)	39/36/33	44/41/38	43/40/38	47/43/41	47/43/41
Installation	External dimensions(W/D/H)		mm	1000/230/680	1000/230/680	1325/230/680	1325/230/680	1325/230/680
	Shipping dimensions(W/D/H)		mm	1100/305/779	1100/305/779	1425/305/779	1425/305/779	1425/305/779
	Net/Shipping weight		kg	26/32	26/32	33.5/41.9	33.5/41.9	33.5/41.9
	Controller		optional	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01
			optional	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A
OUTDOOR UNIT								
Electrical Parameters	Power supply		Ph/V/Hz	1/220~240/50	1/230/50	1/220~240/50/60	1/220~240/50/60	3/380~415/50/60
Performance	Air flow (H)		m^3/h	2000	2500	3000	3500	3500
	Sound power level		dB(A)	61	63	67	66	68
	Sound pressure level		dB(A)	48	51	54	53	54
Installation	External dimensions(W/D/H)		mm	800/275/553	820/338/614	890/353/697	920/372/760	920/372/760
	Shipping dimensions(W/D/H)		mm	908/405/625	993/413/685	1046/460/780	1036/478/820	1085/485/830
	Net/Shipping weight		kg	30/32.9	37.8/41.5	45/50	60/65	61/66
	Compressor type			Rotary	Twin rotary	Twin rotary	Twin rotary	Twin rotary
	Refrigerant type			R32	R32	R32	R32	R32
	GWP			675	675	675	675	675
	Refrigerant liquid pipe		mm	6.35	6.35	9.52	9.52	9.52
	Refrigerant gas pipe		mm	9.52	12.7	15.88	15.88	15.88
	Max pipe length		m	15	25	50	50	50
	Max drop between I.U.&O.U		m	10	15	30	30	30
	Refrigerant load in factory		kg	0.78	0.95	1.3	1.7	1.7
	Maximum pipe length without charge refrigerant		m	7	7	10	30	30
	Refrigerant charge quantity for extra length		g/m	20	20	45	45	45
Working temp.	Cooling(Min~Max)		˚C	-10~46	-10~46	-10~46	-10~46	-10~46
	Heating(Min~Max)		˚C	-15~24	-15~24	-15~24	-15~24	-15~24

* Data is pending;

Convertible

12.5 / 14.0 / 16.0kW

3D airflow

Intelligent sensor (Optional)

Turbo mode 4.2m (12.5/14 kW)

Double 8 to show temperature and error

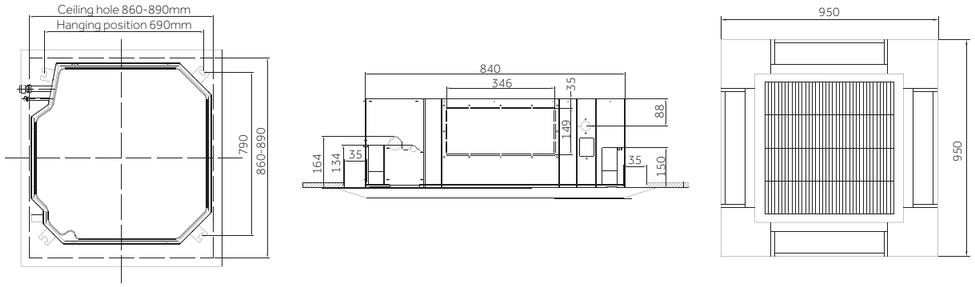
MODEL			Indoor unit	AC125S2SK1FA	AC125S2SK1FA	AC140S2SK1FA	AC140S2SK1FA	AC140S2SK1FA	AC140S2SK1FA	AC160S2SK1FA
			Outoor unit	1U125S2SN2FA	1U125S2SN2FB	1U140S2SN1FA	1U140S2SN1FB	1U140S2SP2FA	1U140S2SP2FB	1U160S2SP1FB
Nominal performance data	Capacity	Cooling	Btu/h (nor)	41980	42320	45700	45700	46410	46410	54600
			kW nor(min-max)	12.3(3.0~13.0)	12.4(3.0~13.0)	13.4(3.5~14.0)	13.4(3.5~14.0)	13.6(4.0~15.0)	13.6(4.0~15.0)	16.0(4.5~16.5)
		Heating	Btu/h (nor)	43340	43680	51200	51200	51200	51200	58000
			kW nor(min-max)	12.7(3.5~13.5)	12.8(3.5~13.5)	15.0(4.0~15.5)	15.0(4.0~15.5)	15.0(4.5~16.0)	15.0(4.5~16.0)	17.0(5.0~18.0)
	Rated power input	Cooling	kW nom(min-max)	4.54(1.0~6.0)	4.53(1.0~6.0)	5.23(1.0~6.5)	5.13(1.0~6.5)	4.53(1.0~6.0)	4.53(1.0~6.0)	5.39(1.0~6.5)
		Heating	kW nom(min-max)	3.96(1.0~6.0)	3.93(1.0~6.0)	5.08(1.0~6.5)	4.97(1.0~6.5)	4.17(1.0~6.0)	4.29(1.0~6.0)	4.97(1.0~6.5)
	EER/COP			2.71/3.21	2.74/3.26	2.56/2.95	2.61/3.02	3.0/3.6	3.0/3.5	2.97/3.42
	Cooling P design(35°C)		kW	12.3	12.4	13.4	13.4	13.6	13.6	16
Seasonal performance data	Heating P design(-10°C)		kW	8	8	8.5	8.5	10	10	11
	SEER/SCOP			5.86/3.97	5.86/3.98	5.92/3.97	5.97/4.0	6.16/4.06	6.18/4.06	6.06/4.06
	Energy class(Cooling/Heating)			A+/A	A+/A	A+/A	A+/A+	A++/A+	A++/A+	A+/A+
	Annual energy consumption(Cooling)		kW	738	742	792	786	761	759	924
	Annual energy consumption(Heating)		kW	2995	2976	2995	2976	3791	3791	3791
INDOOR UNIT										
Electrical Parameters	Power supply		Ph/V/Hz	1/220~240/50/60	1/220~230/50/60	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
Performance	Air flow(H/M/L)		m^3/h	2050/1900/1600	2050/1900/1600	2150/1980/1800	2150/1980/1800	2150/1980/1800	2150/1980/1800	2250/2000/1850
	Sound power level(H/M/L)		dB(A)	64	64	66	66	66	66	67
	Sound pressure level(H/M/L)		dB(A)	46/43/41	46/43/41	48/46/43	48/46/43	48/46/43	48/46/43	48/46/43
Installation	External dimensions(W/D/H)		mm	1650/230/680	1650/230/680	1650/230/680	1650/230/680	1650/230/680	1650/230/680	1650/230/680
	Shipping dimensions(W/D/H)		mm	1750/305/779	1750/305/779	1750/305/779	1750/305/779	1750/305/779	1750/305/779	1750/305/779
	Net/Shipping weight		kg	43/51	43/51	43/51	43/51	43/51	43/51	43/51
	Controller		optional	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01
			optional	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A
OUTDOOR UNIT										
Electrical Parameters	Power supply		Ph/V/Hz	1 /220~240/ 50/60	3 /380~415/ 50/60	1 /220~240/ 50/60	3 /380~415/ 50/60	1/220~240/50/60	3/380~415/50/60	3/380~415/50/60
Performance	Air flow (H)		m^3/h	4200	4200	4200	4200	7000	7400	7400
	Sound power level		dB(A)	72	72	72	72	70	70	72
	Sound pressure level		dB(A)	58	58	58	58	53	53	58
Installation	External dimensions(W/D/H)		mm	950/370/965	950/370/965	950/370/965	950/370/965	950/370/1350	950/370/1350	950/370/1350
	Shipping dimensions(W/D/H)		mm	1050/485/1130	1050/485/1130	1050/485/1130	1050/485/1130	1050/485/1500	1050/485/1500	1050/485/1500
	Net/Shipping weight		kg	84/89	85/90	84/89	85/90	105/118	101/116	101/116
	Compressor type			Twin rotary	Twin rotary	Twin rotary	Twin rotary	Twin rotary	Twin rotary	Twin rotary
	Refrigerant type			R32	R32	R32	R32	R32	R32	R32
	GWP			675	675	675	675	675	675	675
	Refrigerant liquid pipe		mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52
	Refrigerant gas pipe		mm	15.88	15.88	15.88	15.88	15.88	15.88	19.05
	Max pipe length		m	50	50	50	50	70	70	70
	Max drop between I.U.&O.U		m	30	30	30	30	30	30	30
	Refrigerant load in factory		kg	2.3	2.3	2.3	2.3	2.9	3.5	3.5
	Maximum pipe length without charge refrigerant		m	30	30	30	30	30	30	30
	Refrigerant charge quantity for extra length		g/m	45	45	45	45	45	45	45
Working temp.	Cooling(Min~Max)		°C	-10~46	-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	-15~24

* Data is pending;

Indoor Platform

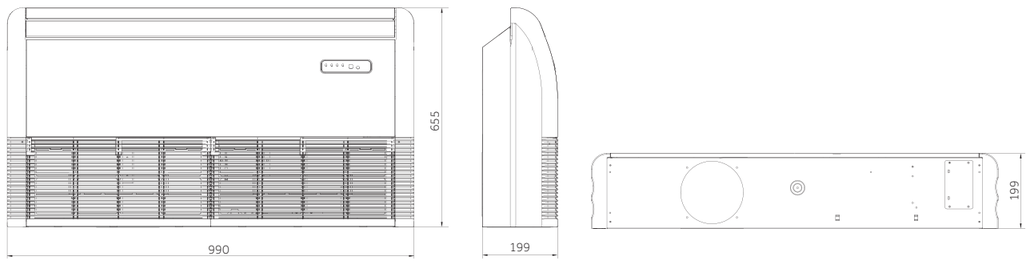
Cassette Type

AB36ES1ERA(S)/AB48ES1ERA(S)/AB60ES2ERA(S)



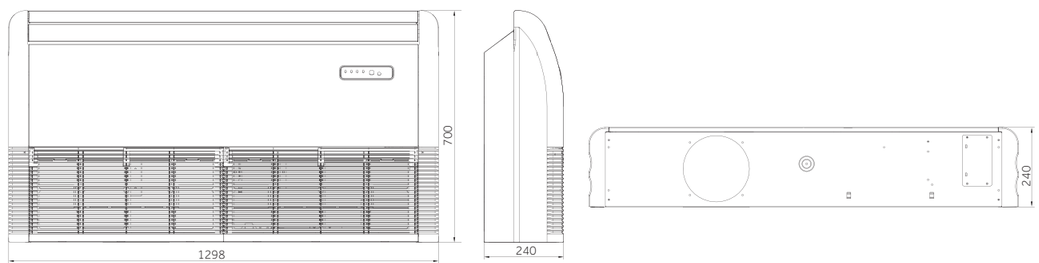
Convertible Type

AC12CS1ERA(S)/AC182CS1ERA(S)/AC242CS1ERA(S)



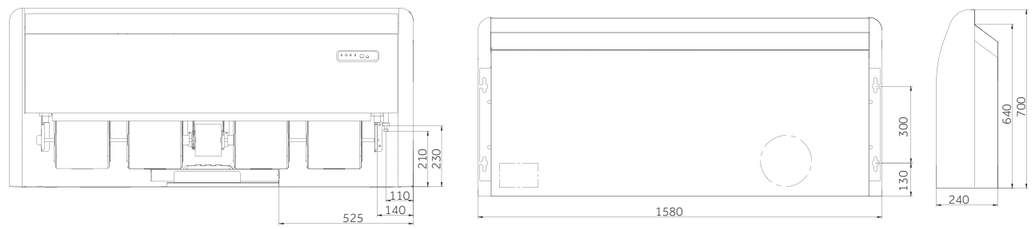
Convertible Type

AC28ES1ERA(S)/AC36ES1ERA(S)



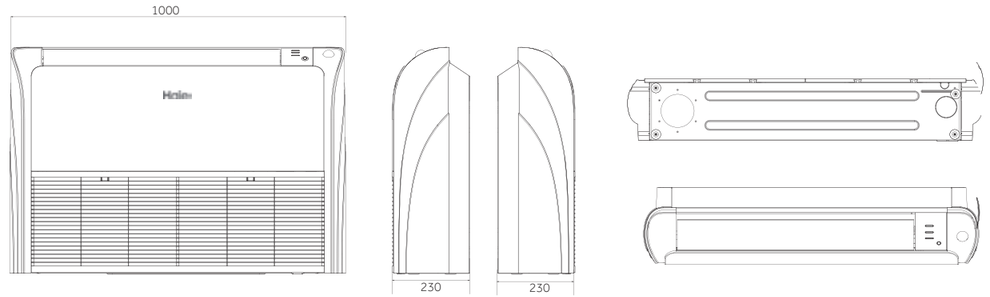
Convertible Type

AC48FS1ERA(S)/AC60FS1ERA(S)



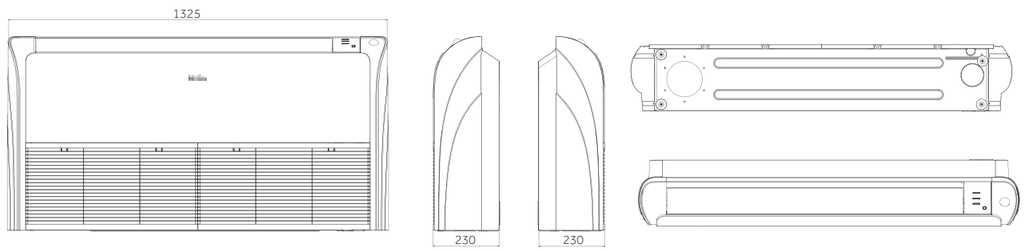
New Convertible Type

AC35S2SG1FA/AC50S2SG1FA



New Convertible Type

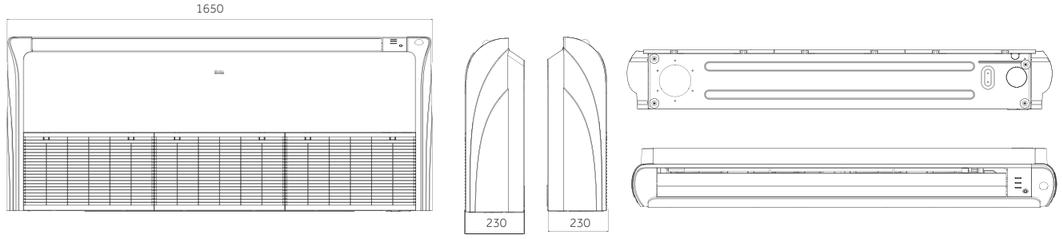
AC71S2SG1FA/AC105S2SH1FA



Indoor Platform

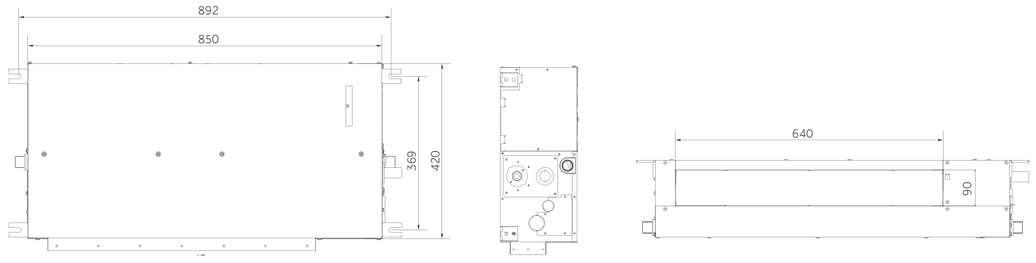
New Convertible Type

AC125S2SK1FA/AC140S2SK1FA/AC160S2SK1FA



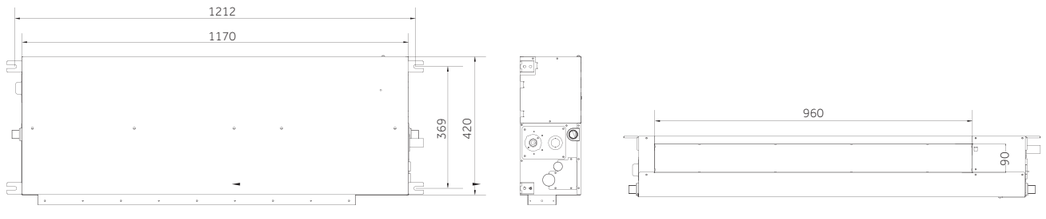
Slim Duct Type

AD12SS1ERA(N) AD25S2SS1FA/AD35S2SS1FA



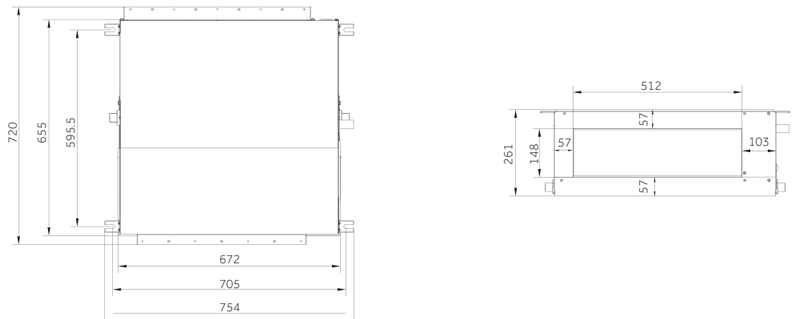
Slim Duct Type

AD50S2SS1FA/AD71S2SS1FA/AD18SS1ERA(N)/AD24SS1ERA(N)



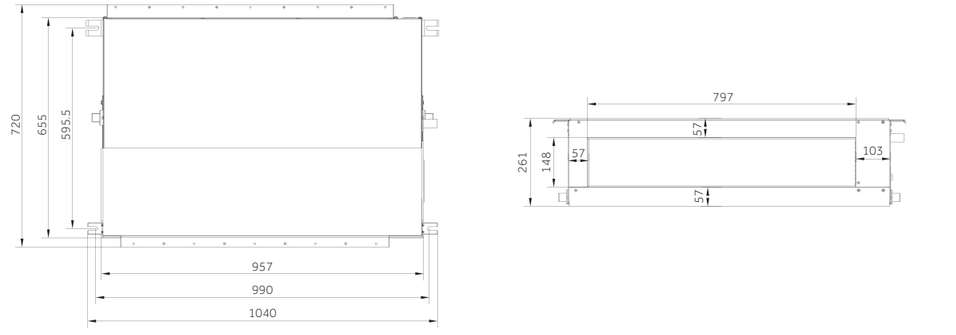
Medium ESP Duct Type

AD12MS1ERA



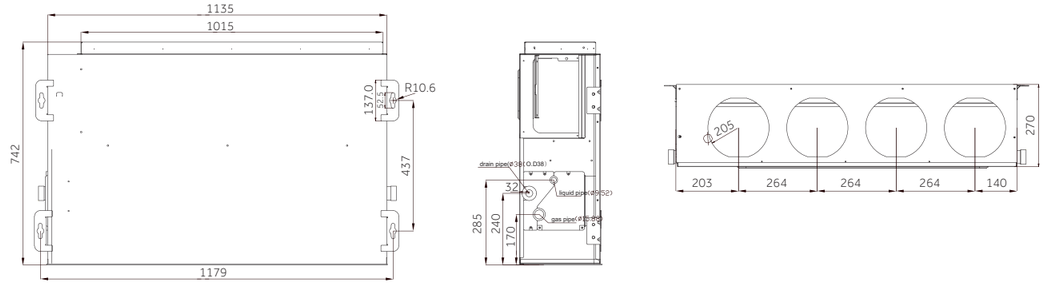
Medium ESP Duct Type

AD18MS1ERA/AD24MS2ERA/AD28MS2ERA(S)



Medium ESP Duct Type

AD36NS1ERA(S)/AD48NS1ERA(S)

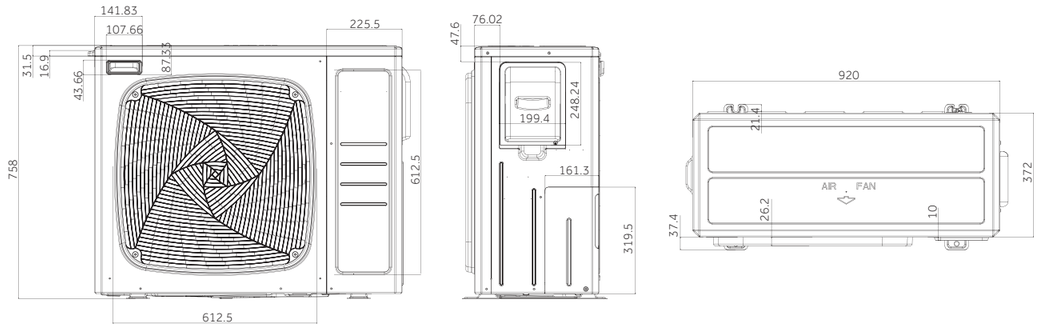


DIMENSIONS

Outdoor Platform(R32)

Single Split

1U105S2SS1FA/1U105S2SS1FB

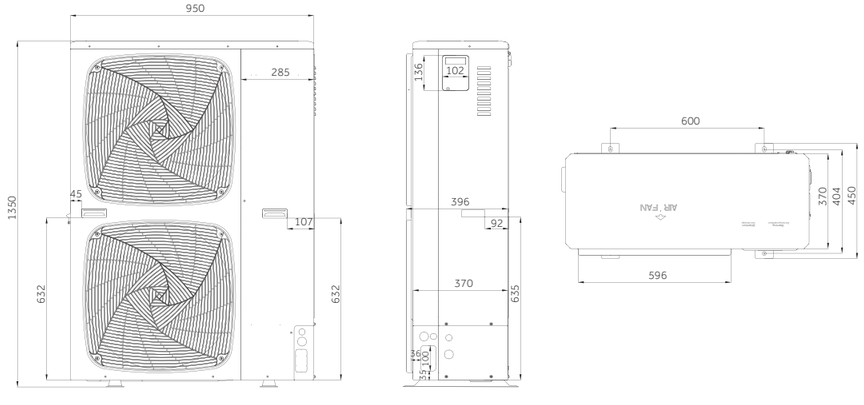


Single Split

1U125S2SN2FA/1U125S2SN2FB/1U140S2SN1FA/1U140S2SN1FB

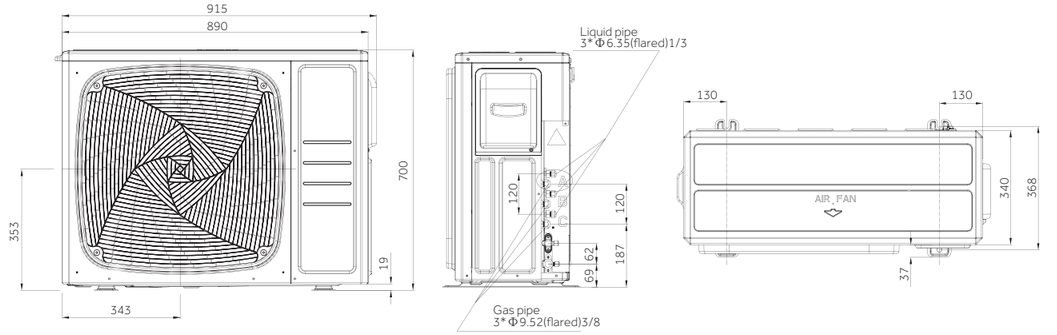
Single Split

1U140S2SP2FA/1U140S2SP2FB/1U160S2SP1FB



Multi Split

3U55S2SR3FA/3U70S2SR3FA

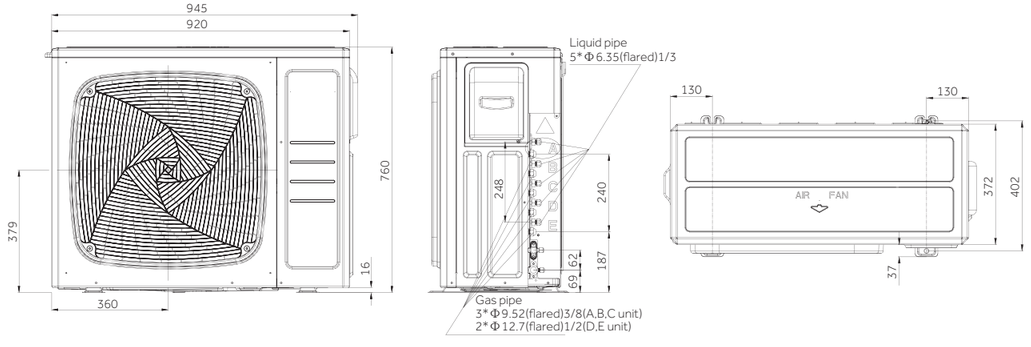


Multi Split

4U75S2SR3FA/4U85S2SR3FA

Multi Split

5U90S2SS3FA/5U105S2SS3FA



DIMENSIONS