

Indoor Unit

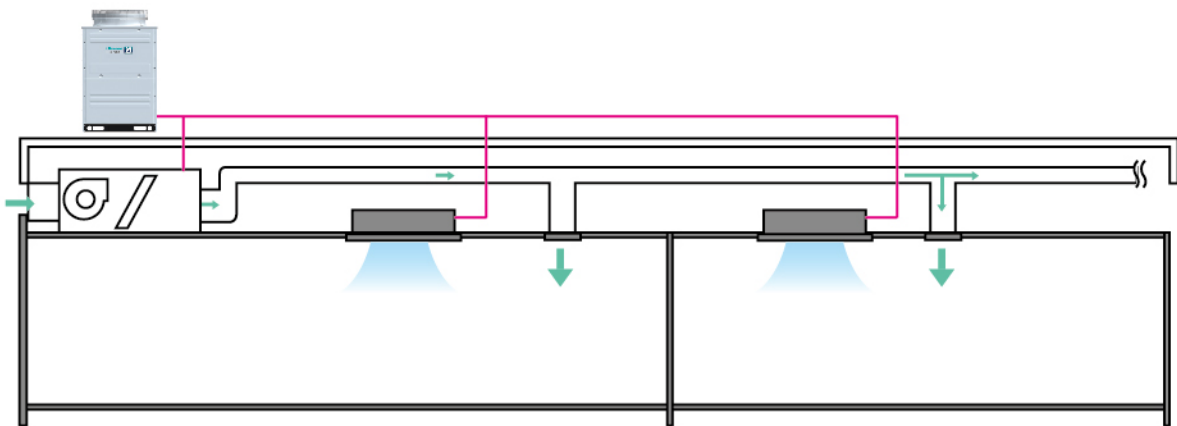
All Fresh Air Indoor Unit (Only For G/M/R Series)

Create Comfortable and Healthy Indoor Environment

Create a comfortable and healthy indoor environment by introducing fresh outdoor air. By heating or cooling fresh outdoor air to almost the same temperature as room temperature, fresh ambient air can be adapted and then introduced into indoor room. Besides, after filtered, fresh outdoor air in transition seasons can be drawn to indoor room directly with no need of heating or cooling operation, While fresh outdoor air is introduced, other indoor units don't bear fresh air load.

Higher External Static Pressure

Better installation flexibility at site, longer duct can be connected.



Indoor Unit			All Fresh Air Indoor Unit					
Model			AVA-30 UXCSCH-70 AC1Φ, 220V 240V/50Hz	AVA-48 UXCSQH-108 AC1Φ, 220V 240V/50Hz	AVA-76 UXCSRH-168 AC1Φ, 220V 240V/50Hz	AVA-76 UX2SRH-168 AC1Φ, 220V /60Hz	AVA-96 UXCSRH-210 AC1Φ, 220V 240V/50Hz	AVA-96 UX2SRH-210 AC1Φ, 220V /60Hz
Power Supply			AC1Φ, 220V 240V/50Hz					
Combined Outdoor Unit Model			Hi-FLEXi G/M/R Series					
Nominal Cooling Capacity	KW		9.0	14.0	22.4	22.4	28.0	28.0
	Btu/h		30,700	47,800	76,500	76,500	95,600	95,600
Nominal Heating Capacity	KW		8.6	13.7	21.9	21.9	24.5	24.5
	Btu/h		29,400	46,800	74,700	74,700	83,600	83,600
Power Consumption	KW		0.15	0.33	0.49	0.61	0.51	0.71
Nominal Current	A		0.65	1.45	2.25	2.79	2.35	3.25
Outer Dimensions	H	mm	370	370	486	486	486	486
	W	mm	920	1,320	1,270	1,270	1,270	1,270
	D	mm	800	800	1,069	1,069	1,069	1,069
Noise Level	dB(A)		32	43	45	45	46	46
Net Weight	Kg		46	60	97	97	97	97
Refrigerant			R410A(Nitrogen-charged for Corrosion-resistance)					
Air Flow Rate	m³/h		660	1,080	1,680		2,100	2,100
External Static Pressure	Pa		60 (120)	200	220		220	220
Drain Pipe Size			VP25, Outer Diameter: Φ32mm					
Refrigerant Liquid Line	mm		Φ9.53	Φ9.53	Φ9.53		Φ9.53	Φ9.53
Refrigerant Gas Line	mm		Φ15.88	Φ15.88	Φ19.05		Φ22.2	Φ22.2
Temperature Range of Fresh Air Drawn			Cooling: 20℃~43℃, Heating: -7℃~15℃					

Flexible Line-up to Hi-FLEXi Series

All fresh air indoor unit is applicable to Hi-FLEXi G, M and R series outdoor units. Both Hi-FLEXi G, M and R series indoor units and all fresh air indoor units can be used in Hi-FLEXi G, M and R series system.

Advanced Control

Can be interfaced to Hi-Dom system. Easy electrical wiring design and installation.

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Model			AVA-114 UX6SRH-300	AVA-154 UX6SSH-400	AVA-190 UX6STH-500	AVA-190 UX6STH-600
Power Supply			AC3Φ,380~415V/50Hz	AC3Φ,380V/50Hz	AC3Φ,380V/50Hz	AC3Φ,380V/50Hz
Combined Outdoor Unit Model			Hi-FLEXi G/M/R Series			
Cooling Capacity		KW	33.5	45.0	56.0	56.0
		Btu/h	114,300	153,600	191,100	191,100
Heating Capacity		KW	26.8	36.0	44.8	44.8
		Btu/h	91,500	122,900	152,900	152,900
Power Input		KW	0.74	1.12	1.33	1.62
Nominal Capacity		A	1.47	1.92	2.45	2.96
Outer Dimensions	H	mm	486	635	735	735
	W	mm	1,270	1,950	1,950	1,950
	D	mm	1,069	805	805	805
Sound Pressurd Level		dB	56	61	64	66
Net Weight		Kg	97	196	222	222
Refrigerant			R410A			
Indoor Fan Air Flow Rate		m³/h	3,000	4,000	5,000	6,000
External Static Pressure		Pa	220	300	320	300
Air Inlet Size		mm	1,100×415	1,522×522	1,522×622	1,522×622
Air Outlet Size		mm	1,106×338	850×272	850×272	850×272
Drain Piping Size			VP25,Outer Diameter: Φ32mm	RC1(Internal Screw)		
Refrigerant Liquid Line Size		mm	Φ12.7	Φ12.7	Φ15.88	Φ15.88
Refrigerant Gas Line Size		mm	Φ25.4	Φ25.4	Φ28.6	Φ28.6
Temperature Range of Fresh Air Drawn			Cooling: 20℃~43℃ , Heating: -7℃~15℃			

NOTES:

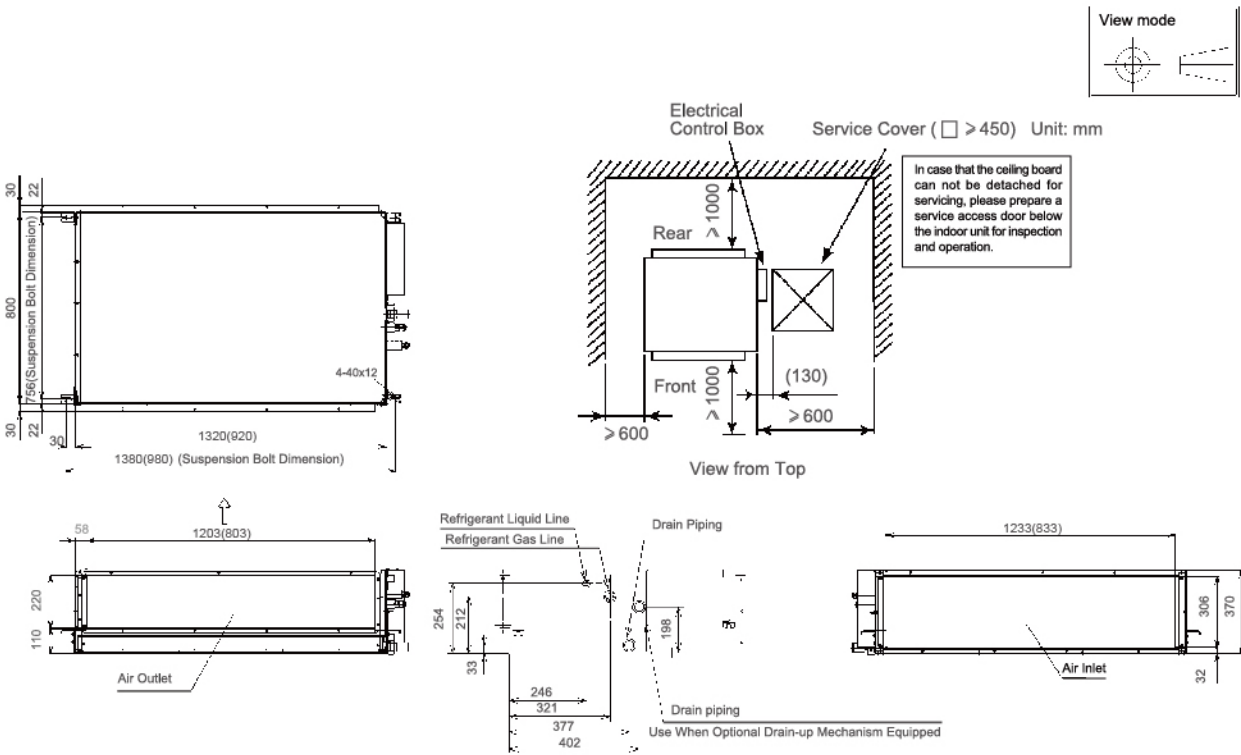
- The nominal cooling capacity and heating capacity are based on following conditions
Cooling operation conditions: 33℃ DB, 28℃ WB, piping length: 7.5m, piping lift: 0m
Heating operation conditions: 0℃ DB, -9℃ WB, piping length: 7.5m, piping lift: 0m
(Heating capacity is tested when defrosting is not available)
- The sound pressure level is based on following conditions: 1.5 Meter beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
- An air filter with duct collection efficiency more than 50% needs to be attached to the duct system of the suction side at site.
- When the resistance of the filed-supplied duct is small, it may cause abnormal stop, malfunction, spraying water, etc.Due to excessive air flow. And the duct, which is to be connected to this unit, shall be insulation for dew protection.
- All fresh air indoor unit is for processing fresh air load and not for stabilizing the room temperature. For adjusting the air conditioning load of the room, the additional air conditioner is required.
- This unit shall be connected to Hi-FLEXi G, M and R series outdoor units. In case of connecting this unit with other indoor units in the same refrigerant cycle,calculate the capacity of this unit as 46.1KBtu/h(30.7KBtu/h), 71.7KBtu/h(47.8KBtu/h), 143.3KBtu/h(95.6KBtu/h).
- When Hi-Flexi outdoor unit connected to only with all fresh air indoor unit, the configuration rate is 100%(Recommended).
- Under cooling mode,when outdoor temperature is lower than 20℃,the system will automatically shift to ventilation operation; Under heating mode, when outdoor temperature is higher than 15℃, the system will automatically shift to ventilation operation; In case inlet temperature is below -7℃, all fresh air unit will stop.

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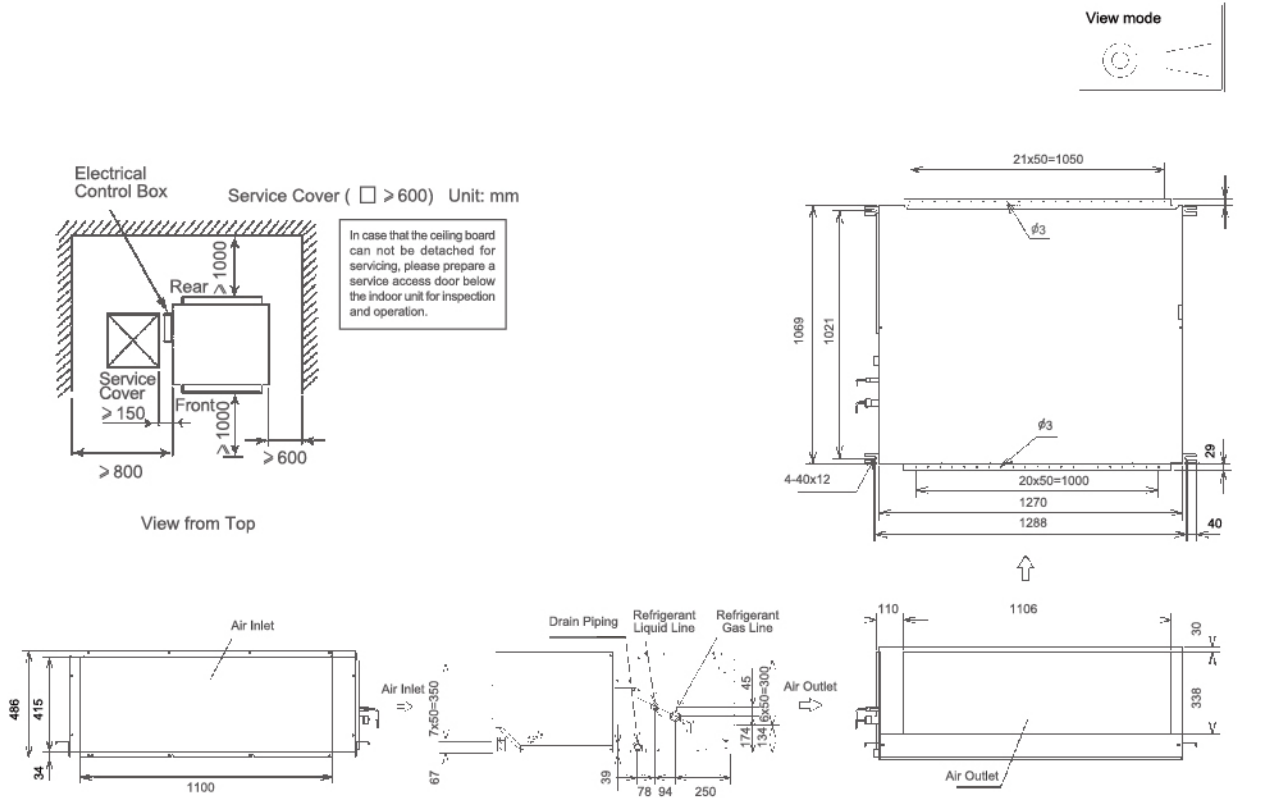
All Fresh Air Indoor Unit

Models: AVA-30~48* Model Unit:mm

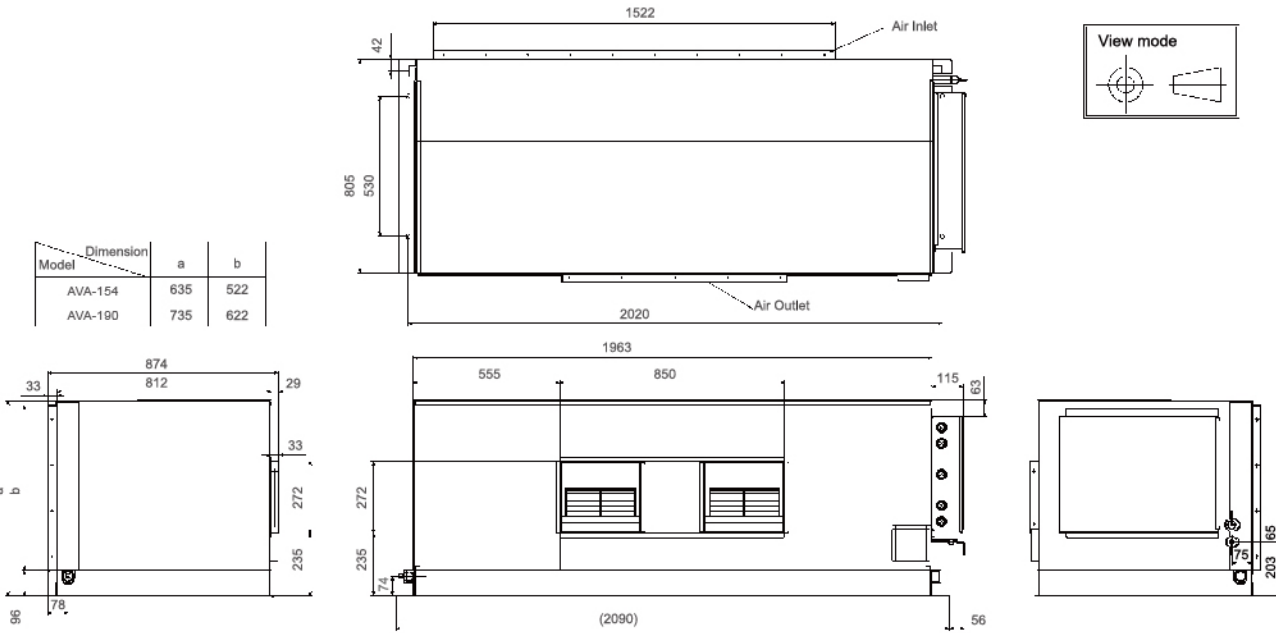


NOTE: Data in bracket is for Model: AVA-30*

Models: AVA-76~114* Model Unit:mm



Models: AVA-154~190* Model



Model	a	b
AVA-154	635	522
AVA-190	735	622