

AQUA
JAPAN
Know You Better

AQUA Commercial Air Conditioning
JAPAN

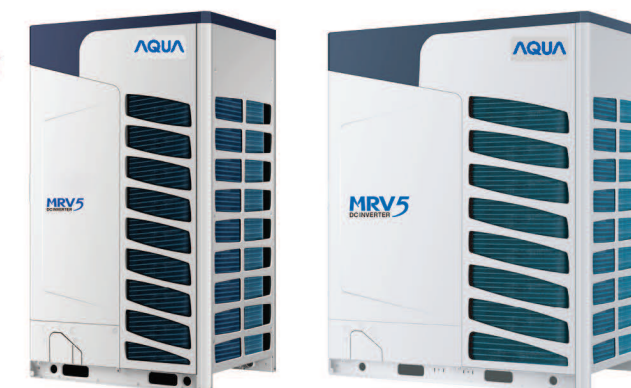
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MRV5
DC INVERTER





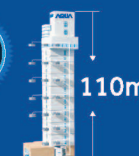
Leadership in Technology



Maximum Single
module **26HP**



Super efficiency with
full DC inverter
compressors



Total pipe length **1000m**,
height drop **110m**



Maximum combination
104HP

Installation Friendly

Automatic refrigerant recovery

Automatic oil balancing

Auto addressing indoor units

Easy access service door

Super Comfort

Instant cooling and heating

Precise temperature control at
 $\pm 0.5^{\circ}\text{C}$

Night time quiet operation at
10dB (A) reduced sound level

Intelligent defrosting
technology

Maximum single module 26HP
maximum combination 104HP

With large capacity full DC inverter compressors, MRV 5 can reach single module 26HP, maximum combination 104HP.

Max. 4 module combination up to
104HP



Max. single module up to
26HP



8-16HP



18-26HP

Single module 8-26HP

Super efficiency with full DC inverter compressors

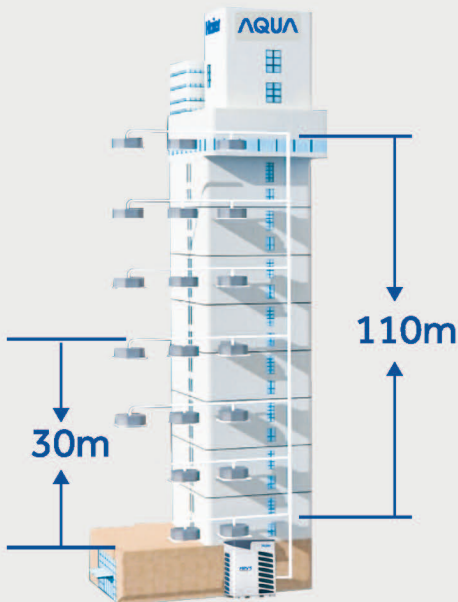
Optimized design, intelligent control with full DC inverter compressors, DC fan motors and high efficiency heat exchanger give MRV 5 much higher efficiency in cooling and heating. EER up to 4.5(8HP)



Total pipe length 1000m, height drop 110m

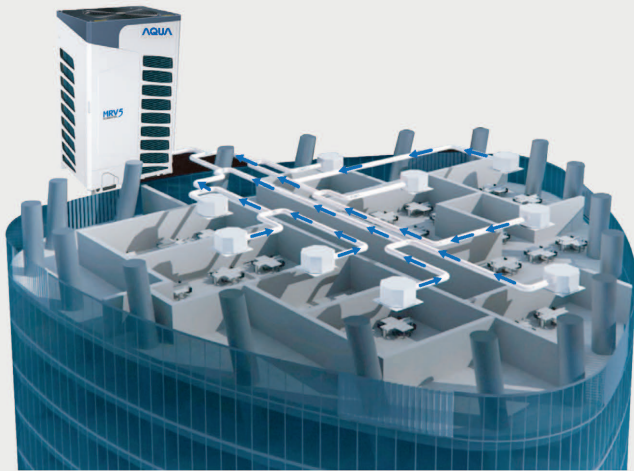
Longer piping length and higher level differences allow for more flexible design with little limitations.

Max. total pipe length
1000m



Automatic refrigerant recovery

The refrigerant in indoor can be automatically recycled into the outdoor via a push button on the outdoor PCB. Convenient for maintenance



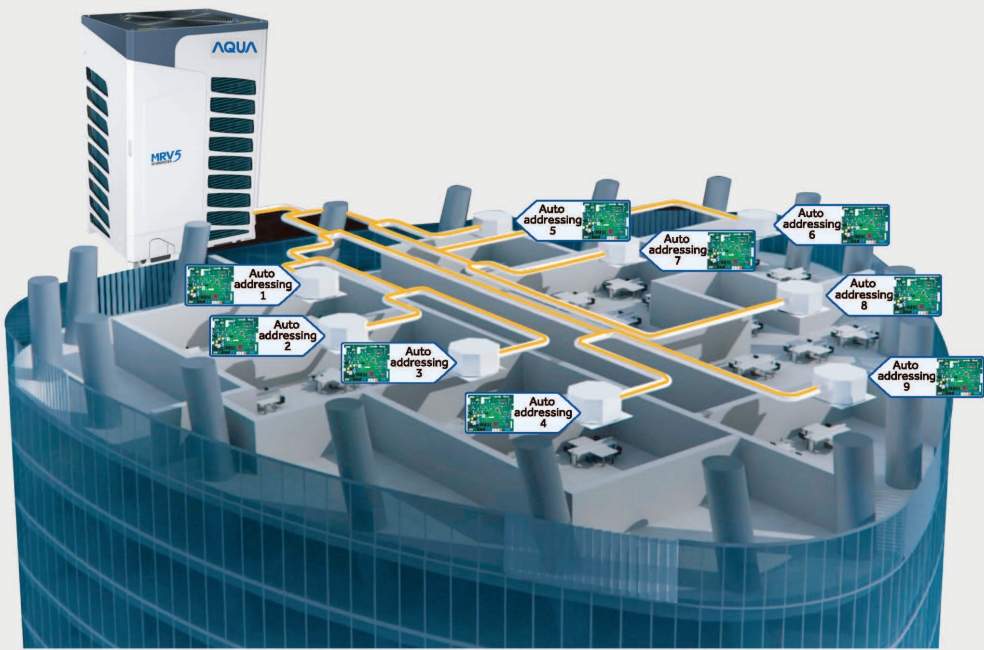
Automatic oil balancing

Without oil balancing pipe, the oil is balanced automatically. This simplifies system design and improves reliability.



Auto addressing indoor units

Outdoor units can address indoor units automatically, greatly reducing labor.



Easy access service door

When maintenance is needed, the front panel can be pulled out like a door instead of being pulled down, by which the screws are remarkably reduced, saving much labor.



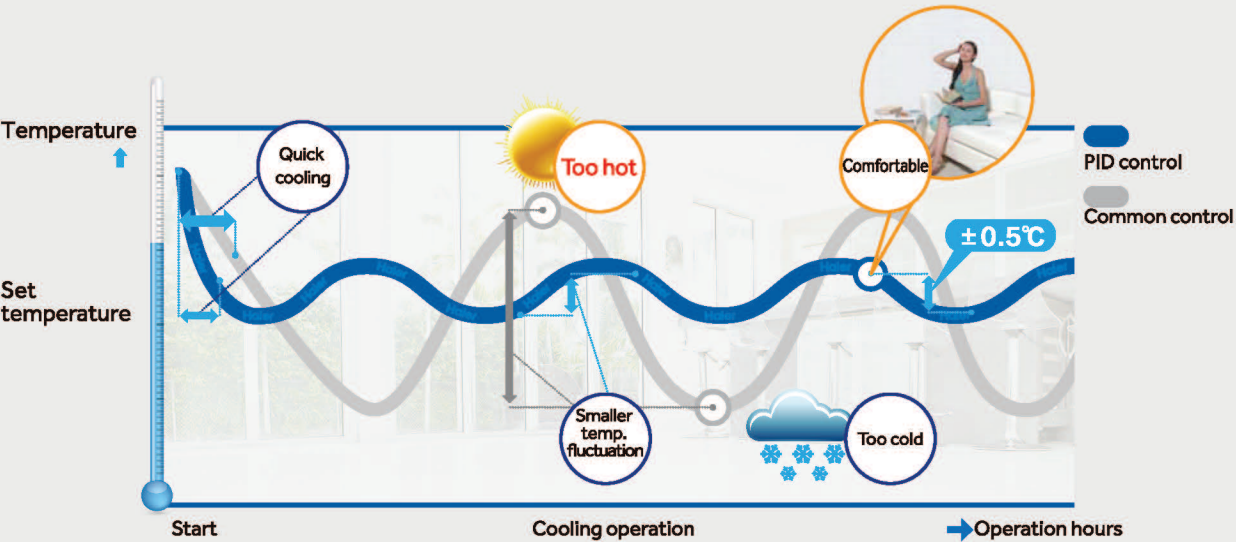
Quick cooling and heating

Start up and reaching maximum output in short time, realizing quick cooling and heating.



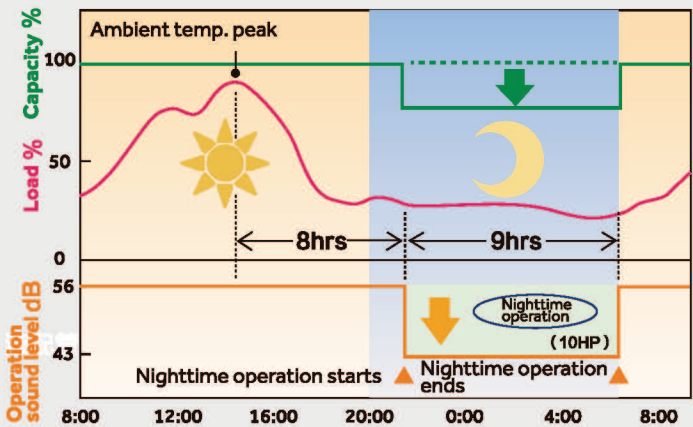
Precise temperature control at $\pm 0.5^{\circ}\text{C}$

With twin pressure sensors and twin EEVs, the refrigerant volume can be adjusted automatically to realize precise temperature control, improving indoor comfort.



Night time quiet operation at 10dB(A) reduced sound level

When quiet operation is required, this function can be configured by outdoor PCB to greatly reduce sound level.



Intelligent defrosting technology

According to system status to intelligently judge if defrosting is required, improving indoor comfort.





Model			AV08IMVEVA	AV10IMVEVA		AV12IMVEVA	AV14IMVEVA	AV16IMVEVA	AV18IMVEVA	AV20IMVEVA	AV22IMVEVA	AV24IMVEVA	AV26IMVEVA
Combination model			/	/		/	/	/	/	/	/	/	/
			/	/		/	/	/	/	/	/	/	/
			/	/		/	/	/	/	/	/	/	/
			/	/		/	/	/	/	/	/	/	/
Capacity	Capacity range	HP	8	10		12	14	16	18	20	22	24	26
	Cooling	kW	25.2	28.0		33.5	40.0	45.0	50.4	56.0	61.5	68.0	73.5
	Heating	kW	27.0	31.5		37.5	45.0	50.0	56.5	61.5	69.0	73.0	82.5
Power supply			Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
Electrical parameters	Cooling	Rated power input	kW	5.60	6.80	8.40	10.90	11.80	14.30	15.10	16.50	17.60	18.80
		Max power input	kW	12.000	12.900	13.800	16.400	19.200	21.400	25.100	28.500	29.100	33.000
		Rated current	A	9.45	11.48	14.18	18.40	19.92	24.14	25.49	27.86	29.71	31.74
		Max current	A	20.26	21.78	23.30	27.69	32.41	36.13	42.37	48.11	49.13	55.80
	Heating	Rated power input	kW	5.20	6.30	8.00	10.30	11.20	13.40	14.60	15.40	16.80	17.70
		Max power input	kW	10.90	12.20	12.50	15.10	18.40	17.70	22.70	25.50	26.50	30.40
		Rated current	A	8.78	10.64	13.51	17.39	18.91	22.62	24.65	26.00	28.36	29.88
		Max current	A	18.40	20.60	21.10	25.49	31.06	29.88	38.32	43.05	44.74	51.32
	EER			4.50	4.12	3.99	3.67	3.81	3.52	3.71	3.73	3.86	3.91
	COP			5.19	5.00	4.69	4.37	4.46	4.22	4.21	4.48	4.35	4.66
Performance	Air flow (H)	m3/h		11000	11000	12000	13500	13500	17000	17000	18000	18000	19000
	Sound pressure level (H)	dB(A)		56	56	59	59	60	61	61	61	62	62
	Sound power level (H)	dB(A)		67	67	70	70	71	72	72	72	73	73
External dimensions(W/D/H)			mm	980/750/1690					1410/750/1690				
Shipping dimensions(W/D/H)			mm	1070/850/1838					1515/850/1838				
Net/Shipping weight			kg	224/250			244/270		287/317	370/400			
Compressor type				DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
Compressor brand				MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
Compressor quantity				1INV	1INV	1INV	1INV	1INV	1INV	2INV	2INV	2INV	2INV
Refrigerant type				R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Installation	Refrigerant charge	kg		8.5	8.5	8.5	10	10	10	10	10	10	10
	Refrigerant liquid pipe	mm		9.52	9.52	12.7	12.7	12.7	15.88	15.88	15.88	15.88	15.88
	Refrigerant gas pipe	mm		19.05	22.22	25.4	25.4	28.58	28.58	28.58	28.58	28.58	28.58
	Max.total pipe lenth	m		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)	m		260/220	260/220	260/220	260/220	260/220	260/220	260/220	260/220	260/220	260/220
	Max drop between I.U.&O.U (O.U down/up) *1	m		110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90
	Standard drop between .U.&O.U (O.U up/down) *2	m		50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40
	Max drop between I.U *3	m		30	30	30	30	30	30	30	30	30	30
	Standard drop between I.U *4	m		18	18	18	18	18	18	18	18	18	18
	External static pressure	Pa		110	110	110	110	110	110	110	110	110	110
Connection ratio	Connectable indoor unit ratio	%		50~130	50~130	50~130	50~130	50~130	50~130	50~130	50~130	50~130	50~130
	Maximum number of indoor units			13	16	20	24	27	30	33	36	40	43
Working temp.	Cooling	°C	-5~50										
	Heating	°C	-23~21										

Max drop between I.U.&O.U. *1
Standard drop between I.U.&O.U. *2
Max drop between I.U. *3
Standard drop between I.U. *4
If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
* All the specifications are tested under nominal condition(In cooling, indoor temp. is 27°C DB/19°C WB; Outdoor temp 35°C DB/24WB;In heating, indoor temp.is 20°C DB;In heating, outdoor temp.is 7°C DB/6°CWB)



Model			AV28IMVEVA		AV30IMVEVA	AV32IMVEVA	AV34IMVEVA	AV36IMVEVA	AV38IMVEVA	
Combination model			AV14IMVEVA		AV14IMVEVA	AV16IMVEVA	AV16IMVEVA	AV18IMVEVA	AV18IMVEVA	
			AV14IMVEVA		AV16IMVEVA	AV16IMVEVA	AV18IMVEVA	AV18IMVEVA	AV20IMVEVA	
							/	/	/	
							/	/	/	
Capacity	Capacity range	HP	28		30	32	34	36	38	
	Cooling	kW	80.0		85.0	90.0	95.4	100.8	106.4	
	Heating	kW	90.0		95.0	100.0	106.5	113.0	118.0	
Electrical parameters	Power supply	Ph/V/Hz	3/380~415/50/60		3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	
	Cooling	Rated power input	kW	21.80		22.70	23.60	26.10	28.60	29.40
		Max power input	kW	32.800		35.600	38.400	40.600	42.800	46.500
		Rated current	A	36.80		38.32	39.84	44.06	48.28	49.63
		Max current	A	55.37		60.10	64.83	68.54	72.26	78.50
	Heating	Rated power input	kW	20.60		21.50	22.40	24.60	26.80	28.00
		Max power input	kW	30.20		33.50	36.80	36.10	35.40	40.40
		Rated current	A	34.78		36.30	37.82	41.53	45.24	47.27
		Max current	A	50.98		56.55	62.13	60.94	59.76	68.20
	EER		3.67		3.74	3.81	3.66	3.52	3.62	
	COP		4.37		4.42	4.46	4.33	4.22	4.21	
Performance	Air flow (H)	m3/h	27000		27000	27000	30500	34000	34000	
	Sound pressure level (H)	dB(A)	62		62.5	63	63.5	64	64	
	Sound power level (H)	dB(A)	73		73.5	74	74.5	75	75	
Installation	External dimensions(W/D/H)	mm	980/750/1690+980/750/1690			980/750/1690+980/750/1690		980/750/1690+1410/750/1690	1410/750/1690+1410/750/1690	
	Shipping dimensions(W/D/H)	mm	1070/850/1838+1070/850/1838			1070/850/1838+1070/850/1838		1070/850/1838+1515/850/1838	1515/850/1838+1515/850/1838	
	Net/Shipping weight	kg	244/270+244/270			244/270+244/270		244/270+287/317	287/317+287/317	287/317+370/400
	Compressor type		DC INV. SCROLL			DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand		MITSUBISHI			MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI
			ELECTRIC			ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
	Compressor quantity		2INV			2INV	2INV	2INV	2INV	3INV
	Refrigerant type		R410A			R410A	R410A	R410A	R410A	R410A
	Refrigerant charge	kg	20			20	20	20	20	20
	Refrigerant liquid pipe	mm	15.88			19.05	19.05	19.05	19.05	19.05
	Refrigerant gas pipe	mm	28.58			31.8	31.8	31.8	38.1	38.1
	Max.total pipe lenth	m	1000			1000	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)	m	260/220			260/220	260/220	260/220	260/220	260/220
	Max drop between I.U.&O.U (O.U down/up) *1	m	110/90			110/90	110/90	110/90	110/90	110/90
	Standard drop between .I.U.&O.U (O.U up/down) *2	m	50/40			50/40	50/40	50/40	50/40	50/40
	Max drop between I.U *3	m	30			30	30	30	30	30
	Standard drop between I.U *4	m	18			18	18	18	18	18
	External static pressure	Pa	110			110	110	110	110	110
Connection ratio	Connectable indoor unit ratio	%	50~130			50~130	50~130	50~130	50~130	
	Maximum number of indoor units		47			50	53	56	63	
Working temp.	Cooling	℃	-5~50							
	Heating	℃	-23~21							

Max drop between I.U.&O.U *1 If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard drop between I.U.&O.U *2 Standard design and production in the factory.
Max drop between I.U. *3 If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
Standard drop between I.U. *4 Standard design and production in the factory.
*All the specifications are tested under nominal condition(in cooling, indoor temp. is 27°C DB/19°C WB; Outdoor temp. 35°C DB/24WB; in heating, indoor temp. is 20°C DB, in heating, outdoor temp. is 7°C DB/6°CWB)

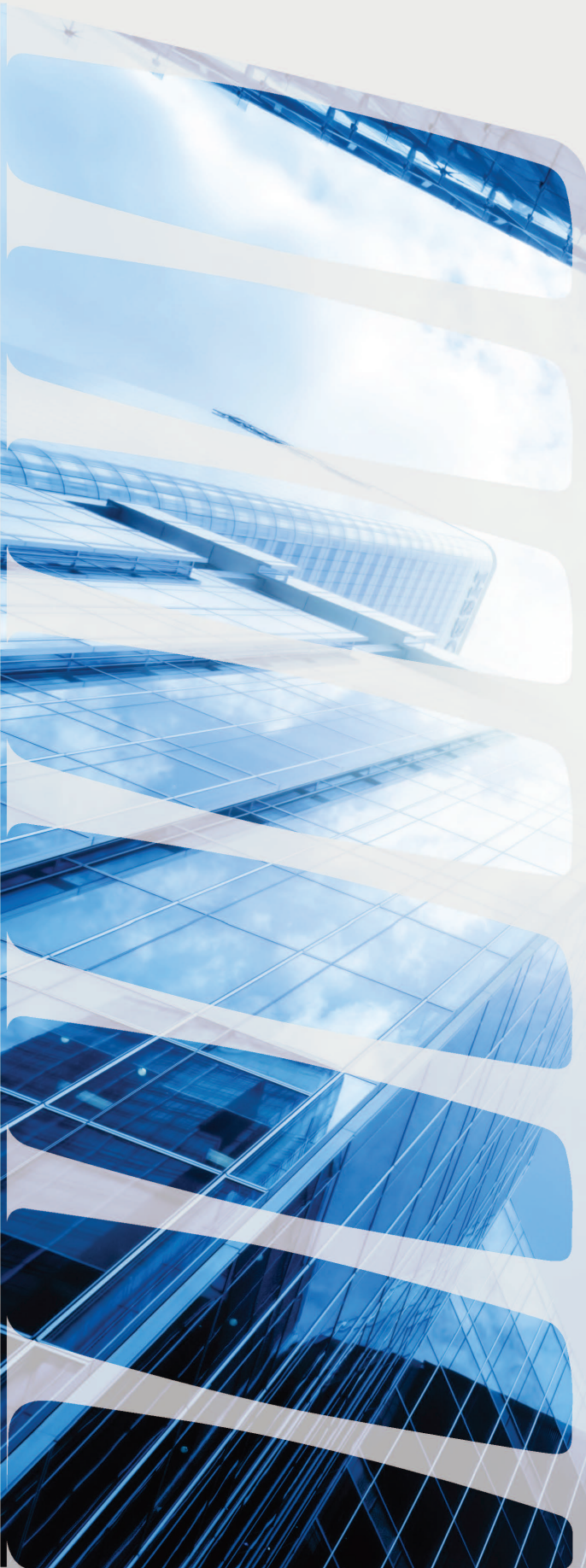


Model			AV40IMVEVA		AV42IMVEVA	AV44IMVEVA	AV46IMVEVA	AV48IMVEVA	AV50IMVEVA	AV52IMVEVA
Combination model			AV20IMVEVA		AV20IMVEVA	AV22IMVEVA	AV22IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA
			AV20IMVEVA		AV22IMVEVA	AV22IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA
			/		/	/	/	/	/	/
			/		/	/	/	/	/	/
Capacity	Capacity range	HP	40		42	44	46	48	50	52
	Cooling	kW	112.0		117.5	123.0	129.5	136.0	141.5	147.0
	Heating	kW	123.0		130.5	138.0	142.0	146.0	155.5	165.0
Electrical parameters	Power supply	Ph/V/Hz	3/380-415/50/60		3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
	Cooling	Rated power input	kW	30.20	31.60	33.00	34.10	35.20	36.40	37.60
		Max power input	kW	50.200	53.600	57.000	57.600	58.200	62.100	66.000
		Rated current	A	50.98	53.35	55.71	57.57	59.42	61.45	63.48
		Max current	A	84.75	90.49	96.23	97.24	98.25	104.93	111.60
	Heating	Rated power input	kW	29.20	30.00	30.80	32.20	33.60	34.50	35.40
		Max power input	kW	45.40	48.20	51.00	52.00	53.00	56.90	60.80
		Rated current	A	49.30	50.65	52.00	54.36	56.72	58.24	59.76
		Max current	A	76.64	81.37	86.10	87.79	89.48	96.06	102.64
	EER		3.71	3.72	3.73	3.80	3.86	3.89	3.91	3.91
	COP		4.21	4.35	4.48	4.41	4.35	4.51	4.66	4.66
Performance	Air flow (H)	m3/h	34000		35000	36000	36000	36000	37000	38000
	Sound pressure level (H)	dB(A)	64		64	64	64.5	65	65	65
	Sound power level (H)	dB(A)	75		75	75		76	76	76
Installation	External dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690			1410/750/1690+1410/750/1690				
	Shipping dimensions(W/D/H)	mm	1515/850/1838+1515/850/1838			1515/850/1838+1515/850/1838				
	Net/Shipping weight	kg	370/400+370/400			370/400+370/400	370/400+370/400	370/400+370/400	370/400+370/400	370/400+370/400
	Compressor type		DC INV. SCROLL			DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand		MITSUBISHI			MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI
			ELECTRIC			ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
	Compressor quantity		4INV			4INV	4INV	4INV	4INV	4INV
	Refrigerant type		R410A			R410A	R410A	R410A	R410A	R410A
	Refrigerant charge	kg	20			20	20	20	20	20
	Refrigerant liquid pipe	mm	19.05			19.05	19.05	19.05	19.05	19.05
	Refrigerant gas pipe	mm	38.1			38.1	38.1	38.1	38.1	38.1
	Max.total pipe lenth	m	1000			1000	1000	1000	1000	1000
	Max. pipelength (Equivalent/Actual)	m	260/220			260/220	260/220	260/220	260/220	260/220
	Max drop between I.U.&O.U (O.U down/up) *1	m	110/90			110/90	110/90	110/90	110/90	110/90
	Standard drop between .U.&O.U (O.U up/down) *2	m	50/40			50/40	50/40	50/40	50/40	50/40
	Max drop between I.U *3	m	30			30	30	30	30	30
	Standard drop between I.U *4	m	18			18	18	18	18	18
	External static pressure	Pa	110			110	110	110	110	110
Connection ratio	Connectable indoor unit ratio	%	50-130			50-130	50-130	50-130	50-130	50-130
	Maximum number of indoor units		64			64	64	64	64	64
Working temp.	Cooling	°C	-5-50							
	Heating	°C	-23-21							

Max drop between I.U.&O.U *1
Standard drop between I.U.&O.U *2
Max drop between I.U. *3
Standard drop between I.U. *4

If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.

* All the specifications are tested under nominal condition(In cooling, indoor temp. is 27°C DB/19°C WB; Outdoor temp. 35°C DB/24WB; In heating, indoor temp. is 20°C DB; In heating, outdoor temp. is 7°C DB/6°CWB)



Model			AV54IMVEVA		AV56IMVEVA	AV58IMVEVA	AV60IMVEVA	AV62IMVEVA	AV64IMVEVA
Combination model			AV18IMVEVA		AV18IMVEVA	AV18IMVEVA	AV20IMVEVA	AV22IMVEVA	AV22IMVEVA
			AV18IMVEVA		AV18IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV22IMVEVA
			AV18IMVEVA		AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA
			/		/	/	/	/	/
Capacity	Capacity range	HP	54		56	58	60	62	64
	Cooling	kW	151.2		156.8	162.4	168.0	173.5	179.0
	Heating	kW	169.5		174.5	179.5	184.5	192.0	199.5
Power supply			Ph/V/Hz	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60
Electrical parameters	Cooling	Rated power input	kW	42.90	43.70	44.50	45.30	46.70	48.10
		Max power input	kW	64.200	67.900	71.600	75.300	78.700	82.100
		Rated current	A	72.42	73.77	75.13	76.48	78.84	81.20
		Max current	A	108.38	114.63	120.88	127.12	132.86	138.60
	Heating	Rated power input	kW	40.20	41.40	42.60	43.80	44.60	45.40
		Max power input	kW	53.10	58.10	63.10	68.10	70.90	73.70
		Rated current	A	67.87	69.89	71.92	73.94	75.29	76.64
		Max current	A	89.64	98.08	106.53	114.97	119.69	124.42
	EER			3.52	3.59	3.65	3.71	3.72	3.72
	COP			4.22	4.21	4.21	4.21	4.30	4.39
	Air flow (H)		m3/h	51000	51000	51000	51000	52000	53000
	Sound pressure level (H)		dB(A)	65.8	65.8	65.8	65.8	65.8	65.8
Performance	Sound power level (H)		dB(A)	76.5	76.5	76.5	76.5	76.5	76.5
	External dimensions(W/D/H)		mm	1410/750/1690+1410/750/1690+1410/750/1690					
	Shipping dimensions(W/D/H)		mm	1515/850/1838+1515/850/1838+1515/850/1838					
Installation	Net/Shipping weight		kg	287/317+287/317+287/317	287/317+287/317+370/400	287/317+370/400+370/400	370/400+370/400+370/400		
	Compressor type			DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand			DAIICHI ELECTRIC	DAIICHI ELECTRIC	DAIICHI ELECTRIC	DAIICHI ELECTRIC	DAIICHI ELECTRIC	DAIICHI ELECTRIC
	Compressor quantity			3INV	4INV	5INV	6INV	6INV	6INV
	Refrigerant type			R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charge		kg	30	30	30	30	30	30
	Refrigerant liquid pipe		mm	19.05	19.05	19.05	19.05	19.05	19.05
	Refrigerant gas pipe		mm	38.1	38.1	41.3	41.3	41.3	41.3
	Max.total pipe lenth		m	1000	1000	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)		m	260/220	260/220	260/220	260/220	260/220	260/220
	Max drop between I.U.&O.U (O.U down/up) *1		m	110/90	110/90	110/90	110/90	110/90	110/90
	Standard drop between .U.&O.U (O.U up/down) *2		m	50/40	50/40	50/40	50/40	50/40	50/40
	Max drop between I.U *3		m	30	30	30	30	30	30
	Standard drop between I.U *4		m	18	18	18	18	18	18
	External static pressure		Pa	110	110	110	110	110	110
Connection ratio	Connectable indoor unit ratio		%	50~130	50~130	50~130	50~130	50~130	50~130
	Maximum number of indoor units			64	64	64	64	64	64
Working temp.	Cooling		°C	-5~50					
	Heating		°C	-23~21					

Max drop between I.U.&O.U *1 * If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard drop between I.U.&O.U *2 Standard design and production in the factory.
Max drop between I.U. *3 If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
Standard drop between I.U. *4 Standard design and production in the factory.
* All the specifications are tested under normal condition in cooling. Indoor temp. is 27°C DB/19°C WB. Outdoor temp. 35°C DB/24°C WB. In heating, indoor temp. is 20°C DB, outdoor temp. is 7°C DB/6°C WB.

Model			AV66IMVEVA	AV68IMVEVA		AV70IMVEVA	AV72IMVEVA	AV74IMVEVA	AV76IMVEVA	AV78IMVEVA	AV80IMVEVA	AV82IMVEVA	AV84IMVEVA
Combination model			AV22IMVEVA	AV22IMVEVA		AV22IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA	AV26IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA
			AV22IMVEVA	AV22IMVEVA		AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA	AV20IMVEVA	AV20IMVEVA	AV20IMVEVA
			AV22IMVEVA	AV24IMVEVA		AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV20IMVEVA	AV20IMVEVA	AV22IMVEVA
			/	/		/	/	/	/	/	AV20IMVEVA	AV22IMVEVA	AV22IMVEVA
Capacity	Capacity range	HP	66	68		70	72	74	76	78	80	82	84
	Cooling	kW	184.5	191.0		197.5	204.0	209.5	215.0	220.5	224.0	229.5	235.0
	Heating	kW	207.0	211.0		215.0	219.0	228.5	238.0	247.5	246.0	253.5	261.0
Power supply			Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
Electrical parameters	Cooling	Rated power input	kW	49.50	50.60	51.70	52.80	54.00	55.20	56.40	60.40	61.80	63.20
		Max power input	kW	85.500	86.100	86.700	87.300	91.200	95.100	99.000	100.400	103.800	107.200
		Rated current	A	83.57	85.42	87.28	89.14	91.16	93.19	95.21	101.97	104.33	106.69
		Max current	A	144.34	145.35	146.37	147.38	154.05	160.73	167.40	169.50	175.24	180.98
	Heating	Rated power input	kW	46.20	47.60	49.00	50.40	51.30	52.20	53.10	58.40	59.20	60.00
		Max power input	kW	76.50	77.50	78.50	79.50	83.40	87.30	91.20	90.80	93.60	96.40
		Rated current	A	78.00	80.36	82.72	85.09	86.61	88.12	89.64	98.59	99.94	101.29
		Max current	A	129.15	130.84	132.52	134.21	140.80	147.38	153.96	153.29	158.02	162.74
	EER			3.73	3.77	3.82	3.86	3.88	3.89	3.91	3.71	3.71	3.72
	COP			4.48	4.43	4.39	4.35	4.45	4.56	4.66	4.21	4.28	4.35
Performance	Air flow (H)	m3/h		54000	54000	54000	54000	55000	56000	57000	68000	69000	70000
	Sound pressure level (H)	dB(A)		65.8	66	66.5	66.8	66.8	66.8	66.8	67	67	67
	Sound power level (H)	dB(A)		76.5	77	77.5	77.8	77.8	77.8	77.7	78	78	78
Installation	External dimensions(W/D/H)		mm	1410/750/1690+1410/750/1690+1410/750/1690				1410/750/1690+1410/750/1690+1410/750/1690				1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690	
	Shipping dimensions(W/D/H)		mm	1515/850/1838+1515/850/1838+1515/850/1838				1515/850/1838+1515/850/1838+1515/850/1838				1515/850/1838+1515/850/1838+1515/850/1838+1515/850/1838	
	Net/Shipping weight		kg	370/400+370/400+370/400				370/400+370/400+370/400				370/400+370/400+370/400+370/400	
	Compressor type			DDC INV. SCROLL	DC INV. SCROLL		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand			mitsubishi electric	mitsubishi electric		mitsubishi electric	mitsubishi electric	mitsubishi electric	mitsubishi electric	mitsubishi electric	mitsubishi electric	mitsubishi electric
	Compressor quantity			6INV	6INV		6INV	6INV	6INV	6INV	8INV	8INV	8INV
	Refrigerant type			R410A	R410A		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charge	kg		30	30		30	30	30	30	40	40	40
	Refrigerant liquid pipe	mm		19.05	22.2		22.2	22.2	22.2	22.2	22.2	22.2	22.2
	Refrigerant gas pipe	mm		41.3	44.5		44.5	44.5	44.5	44.5	44.5	44.5	44.5
	Max.total pipe lenth	m		1000	1000		1000	1000	1000	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)		m	260/220	260/220		260/220	260/220	260/220	260/220	260/220	260/220	260/220
	Max drop between I.U.&O.U (O.U down/up) *1		m	110/90	110/90		110/90	110/90	110/90	110/90	110/90	110/90	110/90
	Standard drop between .U.&O.U (O.U up/down) *2		m	50/40	50/40		50/40	50/40	50/40	50/40	50/40	50/40	50/40
	Max drop between I.U *3		m	30	30		30	30	30	30	30	30	30
	Standard drop between I.U *4		m	18	18		18	18	18	18	18	18	18
	External static pressure		Pa	110	110		110	110	110	110	110	110	110
Connection ratio	Connectable indoor unit ratio	%		50-130	50-130		50-130	50-130	50-130	50-130	50-130	50-130	50-130
	Maximum number of indoor units			64	64		64	64	64	64	64	64	64
Working temp.	Cooling	°C	-5~50										
	Heating	°C	-23~21										

Max drop between I.U.&O.U *1
Standard drop between I.U.&O.U *2
Max drop between I.U. *3
Standard drop between I.U. *4
* All the specifications are tested under nominal condition(In cooling, indoor temp. is 27°C DB/19°C WB; Outdoor temp. is 35°C DB/24°C WB; In heating, indoor temp. is 20°C DB; In heating, outdoor temp. is 7°C DB/6°C WB)

If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.



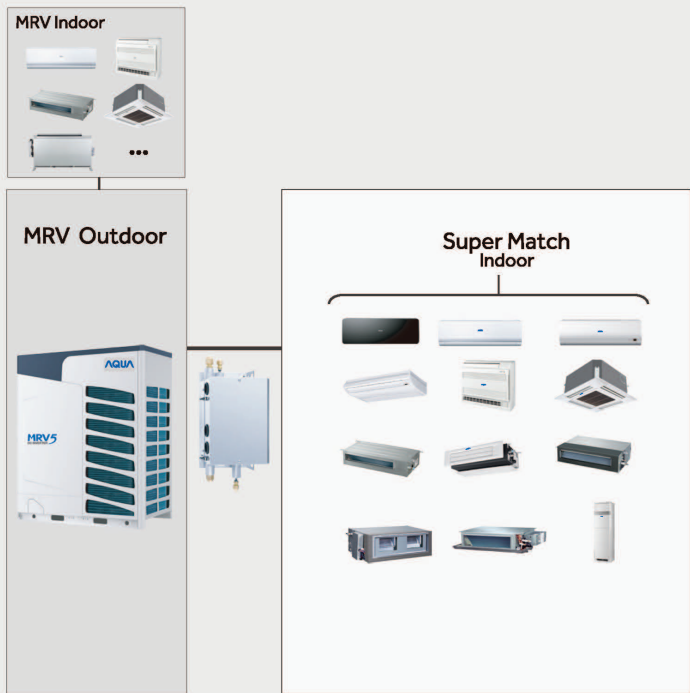
Model			AV86IMVEVA	AV88IMVEVA		AV90IMVEVA	AV92IMVEVA	AV94IMVEVA	AV96IMVEVA	AV98IMVEVA	AV100IMVEVA	AV102IMVEVA	AV104IMVEVA
Combination model			AV20IMVEVA	AV22IMVEVA		AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA	AV26IMVEVA	AV26IMVEVA
			AV22IMVEVA	AV22IMVEVA		AV22IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA	AV26IMVEVA
			AV22IMVEVA	AV22IMVEVA		AV22IMVEVA	AV22IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA	AV26IMVEVA
			AV22IMVEVA	AV22IMVEVA		AV22IMVEVA	AV22IMVEVA	AV22IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV24IMVEVA	AV26IMVEVA
Capacity	Capacity range	HP	86	88		90	92	94	96	98	100	102	104
	Cooling	kW	240.5	246.0		252.5	259.0	265.5	272.0	277.5	283.0	288.5	294.0
	Heating	kW	268.5	276.0		280.0	284.0	288.0	292.0	301.5	311.0	320.5	330.0
Power supply			Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
Electrical parameters	Cooling	Rated power input	kW	64.60	66.00	67.10	68.20	69.30	70.40	71.60	72.80	74.00	75.20
		Max power input	kW	110.600	114.000	114.600	115.200	115.800	116.400	120.300	124.200	128.100	132.000
		Rated current	A	109.06	111.42	113.28	115.14	116.99	118.85	120.88	122.90	124.93	126.95
		Max current	A	186.72	192.46	193.47	194.48	195.49	196.51	203.18	209.85	216.53	223.20
	Heating	Rated power input	kW	60.80	61.60	63.00	64.40	65.80	67.20	68.10	69.00	69.90	70.80
		Max power input	kW	99.20	102.00	103.00	104.00	105.00	106.00	109.90	113.80	117.70	121.60
		Rated current	A	102.64	103.99	106.36	108.72	111.08	113.45	114.97	116.49	118.01	119.53
		Max current	A	167.47	172.20	173.89	175.57	177.26	178.95	185.53	192.12	198.70	205.29
	EER			3.72	3.73	3.76	3.80	3.83	3.86	3.88	3.89	3.90	3.91
	COP			4.42	4.48	4.44	4.41	4.38	4.35	4.43	4.51	4.59	4.66
Performance	Air flow (H)	m3/h		71000	72000	72000	72000	72000	72000	73000	74000	75000	76000
	Sound pressure level (H)	dB(A)		67	67	67.5	67.5	68	68	68	68	68	68
	Sound power level (H)	dB(A)		78	78	78.5	78.5	78.8	79	79	79	79	79
Installation	External dimensions(W/D/H)		mm	1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690									
	Shipping dimensions(W/D/H)		mm	1515/850/1838+1515/850/1838+1515/850/1838+1515/850/1838									
	Net/Shipping weight		kg	370/400+370/400+370/400+370/400									
	Compressor type			DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL
	Compressor brand			mitsubishi electric	mitsubishi electric	"mitsubishi electric"	mitsubishi electric	mitsubishi electric	mitsubishi electric	mitsubishi electric	mitsubishi electric	mitsubishi electric	mitsubishi electric
	Compressor quantity			8INV	8INV	8INV	8INV	8INV	8INV	8INV	8INV	8INV	8INV
	Refrigerant type			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant charge		kg	40	40	40	40	40	40	40	40	40	40
	Refrigerant liquid pipe		mm	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
	Refrigerant gas pipe		mm	50.8	50.8	50.8	50.8	50.8	50.8	54.1	54.1	54.1	54.1
	Max.total pipe lenth		m	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
	Max. pipe length (Equivalent/Actual)		m	260/220	260/220	260/220	260/220	260/220	260/220	260/220	260/220	260/220	260/220
	Max drop between I.U.&O.U (O.U down/up) *1		m	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90	110/90
	Standard drop between .U.&O.U (O.U up/down) *2		m	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40
	Max drop between I.U *3		m	30	30	30	30	30	30	30	30	30	30
	Standard drop between I.U *4		m	18	18	18	18	18	18	18	18	18	18
	External static pressure		Pa	110	110	110	110	110	110	110	110	110	110
Connection ratio	Connectable indoor unit ratio		%	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130
	Maximum number of indoor units			64	64	64	64	64	64	64	64	64	64
Working temp.	Cooling		°C	-5~50									
	Heating		°C	-23~21									

Max drop between I.U.&O.U *1
Standard drop between I.U.&O.U *2
Max drop between I.U. *3
Standard drop between I.U. *4
* All the specifications are tested under nominal condition (In cooling, indoor temp. is 27°C DB/19°C WB; Outdoor temp. 35°C DB/24WB; In heating, indoor temp. is 20°C DB; In heating, outdoor temp. is 7°C DB/6°C WB)

If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.
If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
Standard design and production in the factory.

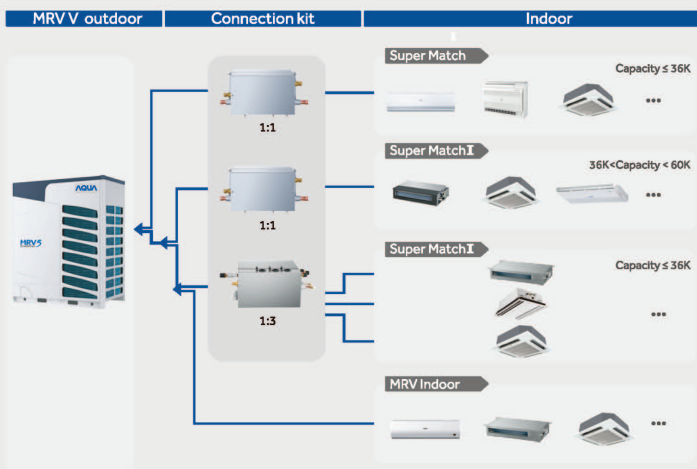
Intergrated System Solution

Connect MRV with Super Match together.








Easy MRV System Introduction

Easy MRV kits provide a solution to connect Super Match indoor units with MRV outdoor units.













Easy MRV Line up

AQUA Easy MRV Provide a wide range of MRV outdoor, valve box and Super Match Indoor solution.

OUTDOOR	MRV 5		
			
HP	8-16	18-26	
Power supply	3Ph/380-415V/50(60)Hz		
Valve Box			
	MS1-036A(1:1)	MS1-060A(1:1)	MS3-036A(1:3)

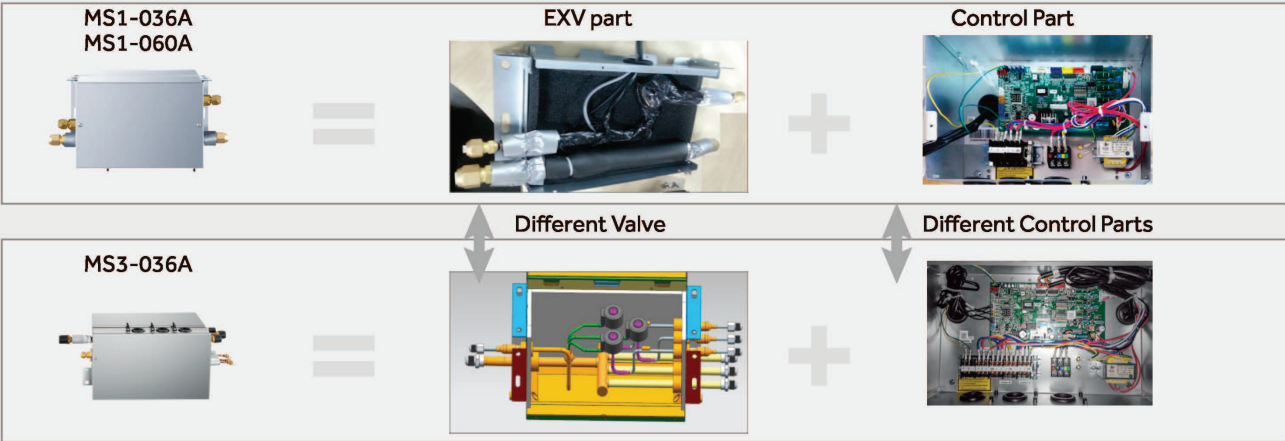
Easy MRV Super Match Indoor

Easy MRV indoor is universal indoor unit with Super Match

Super Match I	PHOTO	7K	9K	12K	15K	18K	24K	28K	36K	48K	60K
INDOOR		2.2	2.8	3.6	4.4	5.5	7.1	8.0	10.0	14.0	16.0
AQUA Hi-Wall		AS07QS2HRA	AS09QS2HRA	AS12QS2HRA							
N F series		AS07NS1HRA-WU AS07NS1HRA-GU	AS09NS1HRA-WU AS09NS1HRA-GU	AS12NS1HRA-WU AS12NS1HRA-GU	AS15NS1HRA-WU AS15NS1HRA-GU	AS18NS1HRA-WU AS18NS1HRA-GU	AS24NS1HRA-WU AS24NS1HRA-GU				
N H series		AS07BS4HRA	AS09BS4HRA	AS12BS4HRA	AS15BS4HRA	AS18BS4HRA	AS24BS4HRA				
Console			AF09AS1ERA AF12AS1ERA			AF18AS1ERA					
Cassette			AB09CS2ERA(S) AB12CS2ERA(S)			AB18CS2ERA(S) AB24ES1ERA(S)	AB28ES1ERA(S)	AB36ES1ERA(S)	AB48ES1ERA(S)	AB60ES2ERA(S)	
Convertible			AC12CS1ERA(S) AC18CS1ERA(S)				AC24CS1ERA(S) AC28ES1ERA(S)	AC36ES1ERA(S)	AC48FS1ERA(S)	AC60FS1ERA(S)	
Slim ESP			AD09SS1ERA(N) AD12SS1ERA(N)			AD18SS1ERA(N) AD24SS1ERA(N)					
Low ESP duct			AD09LS1ERA	AD12LS1ERA		AD18LS1ERA	AD24LS1ERA				
Medium ESP duct				AD12MS1ERA		AD18MS1ERA	AD24MS2ERA	AD28MS2ERA(S)	AD36NS1ERA(S)	AD48NS1ERA(S)	
High ESP duct										AD48HS1ERA(S) AD60HS1ERA(S)	

Valve Box Inner Structure

AQUA Easy MRV Connection Kit consists the following 2 parts.



High Compatibility

•Provide a new solution with MRV outdoor and Super Match indoor units to dealers/consumers, more compatible, stock reduced.



House / Villa



Apartment



Small Office

Easy Installation

EXV part and Control part integration, easy for translation and installation. Gas pipe is integrated into the valve box.

Gas pipe no need the bend and welding, easy installation.

HAIER

Traditional

Optional installation location
EEV box inlet and outlet pipe can be left or right.

Hang

Nail to the wall

Flare Connection

Different sizes of nut.

Good performance

Largest Indoor Capacity

Largest Indoor Capacity can be up to 60K ,the largest indoor in the industry for this integrated system

Largest outdoor Capacity

Largest capacity of side discharge up to 12HP for EASY MRV system
Largest capacity of top discharge up to 26HP for Easy MRV system

Low noise

Outside EEV box, low noise

Good parts

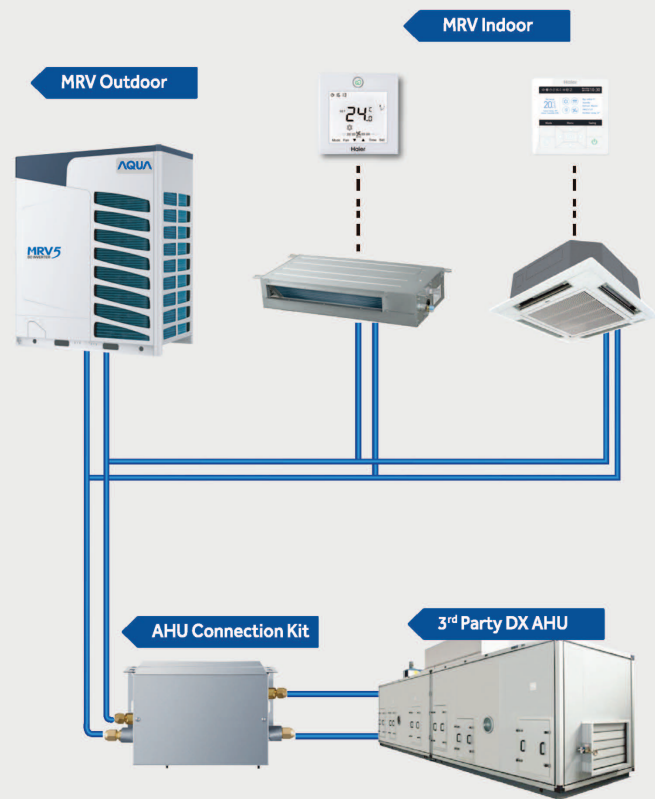
FUJIKOKI EEV, good performance and high reliability

Specification

		MS1-036A/MS1-060A		MS3-036A
Model		MS1-036A	MS1-060A	MS3-036A
Connected indoor quantity	/	1	1	3
Connected indoor capacity	Btu/h	x ≤36K	36K< x≤60K	x ≤36K (each indoor unit)
Power Supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
Size(W/D/H)	mm	310/217/155	310/217/155	394/227/253
Shipping dimensions	mm	509/285/209	509/285/209	687/295/303
Material	/	Galvanized steel	Galvanized steel	Galvanized steel
Color	/	Grey	Grey	Grey
Net/shipping weight	kg	5/7	5/7	9/12
Liquid pipe	mm	9.52 (Main) / 6.35	9.52 (Main) / 12.7	6.35(Main)/9.52 9.52(Main)/12.7
Gas pipe (mm)	mm	15.88(Main)/ 12.7 / 9.52	19.05 (Main)/ 15.88	19.05(Main)/ 15.88 15.88(Main)/ 12.7 / 9.52
Pipe connection method	/	Flare connection	Flare connection	Flare connection
Brand box-Indoor Max Single pipe length	m	15	15	15
Branch box- indoor max drop	m	15	15	15
Height Drop between branch box	m	15	15	15

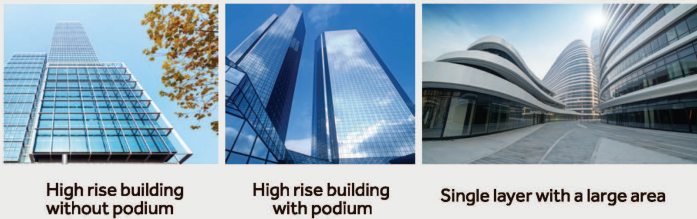
System Introduction

AQUA offers a range of connection kit to connect MRV outdoor units to third party DX air handling units.





System Application

- Provide a solution for big space to cool down the supply fresh air with MRV outdoor units to match the air handling units. Intergraded the advantages of MRV and AHU units
- Meet the requirement of law in EU, that for every working placel it have to supply at minimum 25 m3/h fresh air.so it means that every office, every shop and mostly every commercial building MUST have this solution.




System Line up

AQUA Easy MRV Provide a wide range of MRV outdoor, valve box and Super Match Indoor solution.

OUTDOOR	MRV 5	
		
HP	8-16	18-26
Power supply	3Ph/380-415V/50(60)Hz	


Valve Box

AH1-280A



5HP(14KW) <Connected AHU capa. ≤10HP(28KW)


AH1-560A



10HP(28KW) <Connected AHU capa. ≤20HP(56KW)

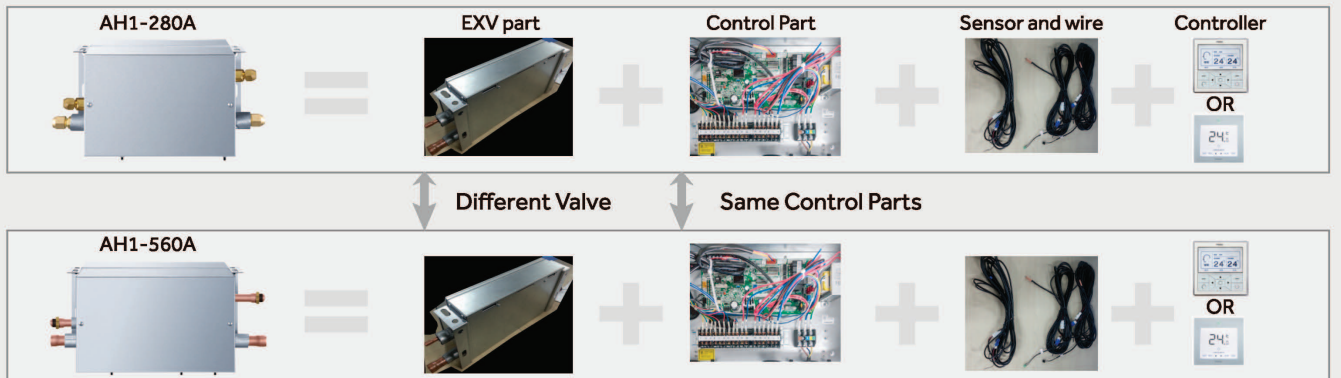
AHU & MRV indoor

AHU need purchase in Market

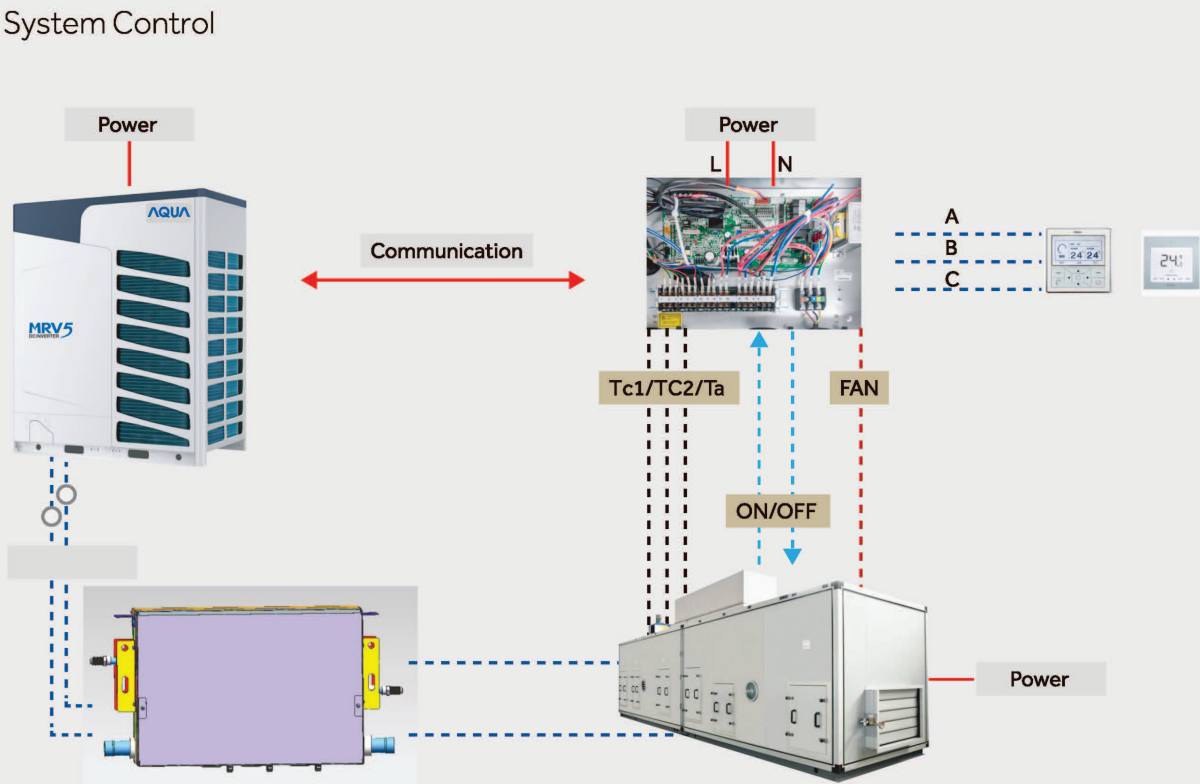


AHU Kit Configuration

AQUA AHU Connection Kit consists the following 4 parts.

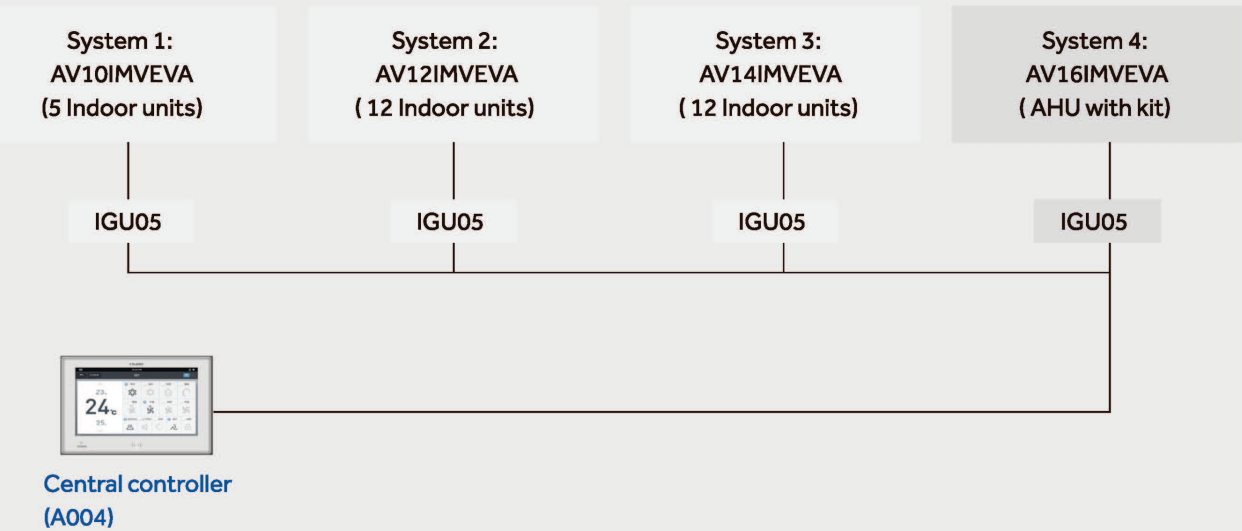


AHU Connection Kit Control



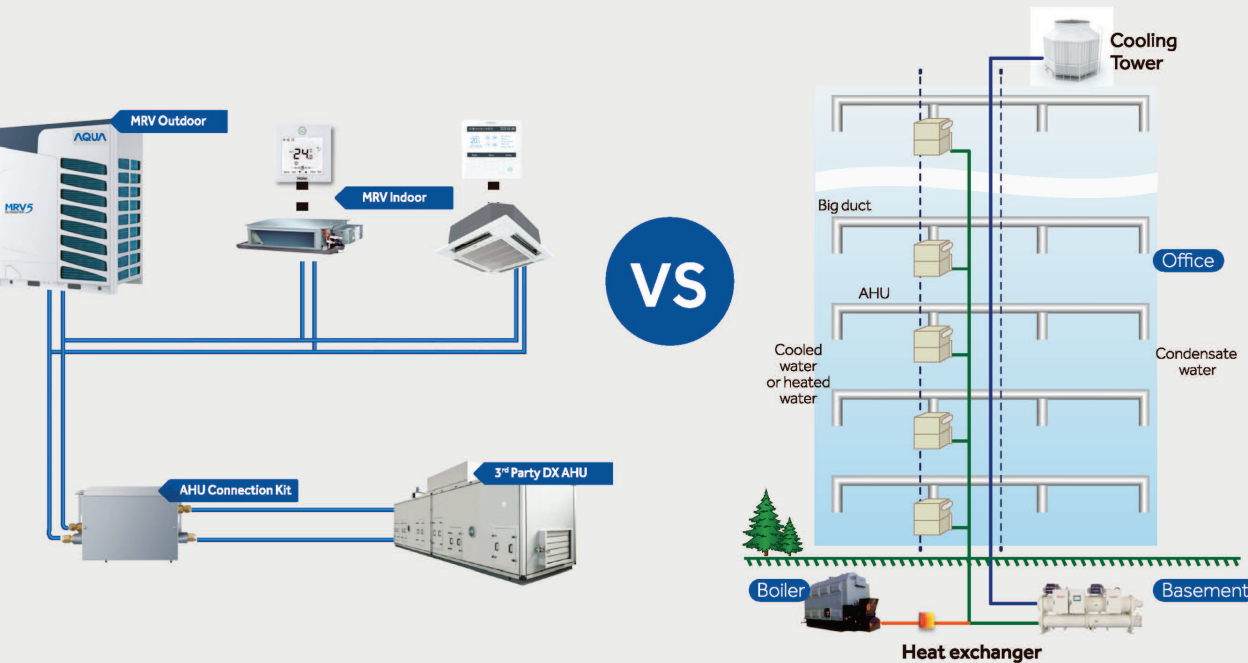
Connection Kit Control

Central Control: AHU control is same as MRV indoor unit control.



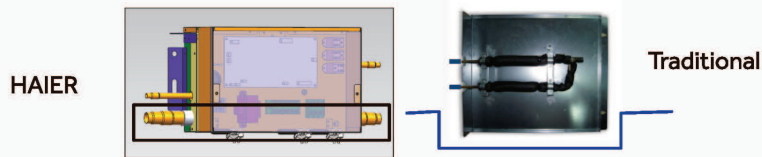
Easy Installation

- Adopting the MRV outdoor ,not the traditional chiller outdoor system, is easy to design and install since no additional water system such as boilers , gas connections, cooling tower etc. are required. This also reduces the total system cost.
- AHU can provide enough cooled fresh air to big space other than HRV and fresh air indoor units.
- All the control system for MRV outdoor is available:
 - Wired control
 - Central control
 - Net work control
 - BMS control



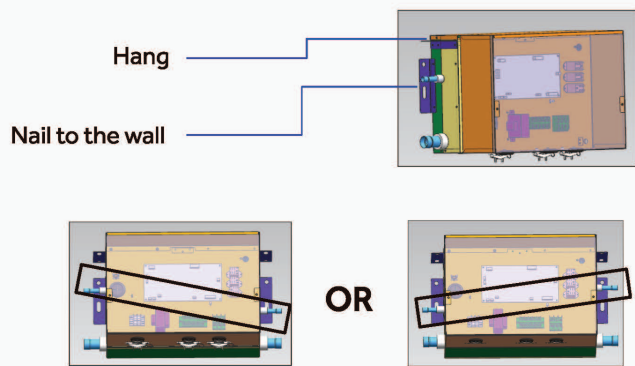
EXV part and Control part integration, easy for translation and installation. Gas pipe is integrated into the valve box.

Needn't bend and weld the gas pipe, easy installation



Optional installation location
EEV box inlet and outlet pipe can be left or right.

Installation can choose lifting or nailed to the wall



Advantages

Wide capacity

Connected AHU capacity from 5HP to 20HP.

High Compatible

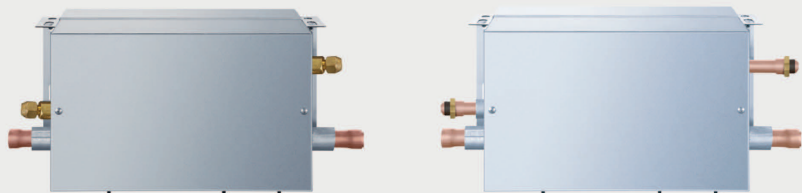
- 1.Same PCB board with MRV indoor, easy operation and service.
- 2.Same wired controller can be used with MRV indoor unit such as YR-E16,YR-E17 and YR-E14.

Reliable EEV

EEV is imported from Japan.



Specification



Model	AH1-280A	AH1-560A
Connected AHU capacity	14sxs28KW (5-10HP)	28<x≤56KW (10-20HP)
Power Supply (Ph/V/Hz)	1/220-240/50/60	1/220-240/50/60
Dimention (mm)	350/226/155	433/296/193
Shipping dimensions (mm)	606/295/209	667/365/249
Material	Galvanized steel	Galvanized steel
Color	Grey	Grey
Weight (KG)	6	8
Shipping Weight (KG)	10	13
Liquid pipe (mm)	9.52 (Main) / 12.7	12.7 (Main) / 15.88
Gas pipe (mm)	25.4 (Main) / 22.2 / 19.05	28.58 (Main) / 25.4 / 22.22
Pipe connection method	Flare connection and welding	Flare connection and welding
AHU Kit-Indoor units Max Single pipe length (m)	5	5
AHU Kit-Indoor units Max drop (m)	5	5



1- WAY CASSETTE



- Ultra thin design, only 185mm
- Ultra low sound level
- Built-in high head drain pump

SPECIFICATION

Model/Indoor unit			AB052MAERA	AB072MAERA
Capacity	Cooling	kBtu/h	5.1	7.5
		kW	1.5	2.2
	Heating	kBtu/h	5.8	8.5
		kW	1.7	2.5
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60
	Air flow (H/M/L)	m³/h	530/490/450	530/490/450
Performance	Sound pressure level(H/M/L)	dB(A)	32/29/24	32/29/24
	Sound power level(H/M/L)	dB(A)	46/43/38	46/43/38
Installation	External dimensions(W/D/H)	mm	875/505/185	875/505/185
	Shipping dimensions(W/D/H)	mm	1028/581/270	1028/581/270
	Net/Shipping weight	kg	15.3/17.9	15.3/17.9
	Refrigerant liquid pipe	mm	6.35	6.35
	Refrigerant gas pipe	mm	9.52	9.52
Panel	Model Name		P1B-1050IB	P1B-1050IB
	External dimensions(W/D/H)	mm	1050/560/122	1050/560/122
	Shipping dimensions(W/D/H)	mm	1133/623/197	1133/623/197
	Net/Shipping weight	kg	5.3/8.3	5.3/8.3
Controller	Wired(Optional)	/	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17
	Infrared (Optional)	/	YR-HD	YR-HD
Other Electrical Parameters	Current	(A)	0.1	0.11
	Power Input	(W)	21	21

Model/Indoor unit			AB092MAERA	AB122MAERA
Capacity	Cooling	kBtu/h	9.6	12.3
		kW	2.8	3.6
	Heating	kBtu/h	10.9	13.6
		kW	3.2	4
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60
	Air flow (H/M/L)	m³/h	530/490/450	550/530/490
Performance	Sound pressure level(H/M/L)	dB(A)	32/29/24	34/30/25
	Sound power level(H/M/L)	dB(A)	46/43/38	48/44/39
Installation	External dimensions(W/D/H)	mm	875/505/185	875/505/185
	Shipping dimensions(W/D/H)	mm	1028/581/270	1028/581/270
	Net/Shipping weight	kg	15.3/17.9	15.3/17.9
	Refrigerant liquid pipe	mm	6.35	6.35
	Refrigerant gas pipe	mm	9.52	12.7
Panel	Model Name		P1B-1050IB	P1B-1050IB
	External dimensions(W/D/H)	mm	1050/560/122	1050/560/122
	Shipping dimensions(W/D/H)	mm	1133/623/197	1133/623/197
	Net/Shipping weight	kg	5.3/8.3	5.3/8.3
Controller	Wired(Optional)	/	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17
	Infrared (Optional)	/	YR-HD	YR-HD
Other Electrical Parameters	Current	(A)	0.1	0.11
	Power Input	(W)	21	23

Under development, data is pending.



- Compact design: only 220mm height
- Built in high head drain pump
- Ceiling antifouling design unique antifouling design
- Quiet operation

SPECIFICATION

Model/Indoor unit			AB072MBERA	AB092MBERA
Capacity	Cooling	kBtu/h	7.5	9.6
		kW	2.2	2.8
	Heating	Btu/h	8.5	10.9
		kW	2.5	3.2
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	840/700/550	840/700/550
Performance	Sound pressure level(H/M/L)	dB(A)	42/37/33	42/37/33
	Sound power level(H/M/L)	dB(A)	55/50/46	55/50/46
	External dimensions(W/D/H)	mm	817/620/220	817/620/220
	Shipping dimensions(W/D/H)	mm	1022/682/247	1022/682/247
Installation	Net/Shipping weight	kg	21/23	21/23
	Refrigerant liquid pipe	mm	6.35	6.35
	Refrigerant gas pipe	mm	9.52	9.52
	Model name		P2B-1055IB	P2B-1055IB
Panel	External dimensions(W/D/H)	mm	1055/680/68	1055/680/68
	Shipping dimensions(W/D/H)	mm	1097/707/136	1097/707/136
	Net/Shipping weight	kg	7/8	7/8
	Model name		P2B-1055IB	P2B-1055IB
Controller	Wired(Optional)	/	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17
Other Electrical Parameters	Infrared(Optional)	/	YR-HD	YR-HD
	Current	(A)	0.5	0.5
	Power Input	(W)	90	90

Model/Indoor unit			AB122MBERA	AB162MBERA	AB182MBERA
Capacity	Cooling	kBtu/h	12.3	15.4	19.1
		kW	3.6	4.5	5.6
	Heating	Btu/h	13.7	17.1	21.5
		kW	4.0	5.0	6.3
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	840/700/550	840/700/550	840/700/550
Performance	Sound pressure level(H/M/L)	dB(A)	42/37/33	44/39/34	44/39/34
	Sound power level(H/M/L)	dB(A)	55/50/46	57/52/47	57/52/47
	External dimensions(W/D/H)	mm	817/620/220	817/620/220	817/620/220
	Shipping dimensions(W/D/H)	mm	1022/682/247	1022/682/247	1022/682/247
Installation	Net/Shipping weight	kg	21/23	21/23	21/23
	Refrigerant liquid pipe	mm	6.35	6.35	6.35
	Refrigerant gas pipe	mm	12.7	12.7	12.7
	Model name		P2B-1055IB	P2B-1055IB	P2B-1055IB
Panel	External dimensions(W/D/H)	mm	1055/680/68	1055/680/68	1055/680/68
	Shipping dimensions(W/D/H)	mm	1097/707/136	1097/707/136	1097/707/136
	Net/Shipping weight	kg	7/8	7/8	7/8
	Model name		P2B-1055IB	P2B-1055IB	P2B-1055IB
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17
Other Electrical Parameters	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD
	Current	(A)	0.5	0.62	0.62
	Power Input	(W)	90	110	110

MINI 4-WAY CASSETTE



- Compact design
- New panel design 620*620mm
- Fresh air outlet
- Low sound level

SPECIFICATION

Model/Indoor unit			AB052MCERA(M)	AB072MCERA(M)	AB092MCERA(M)
Capacity	Cooling	kBtu/h	5.1	7.5	9.5
		kW	1.5	2.2	2.8
	Heating	kBtu/h	5.8	8.5	10.9
		kW	1.7	2.5	3.2
Electrical Parameters	Power supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	Air flow (H/M/L)	m³/h	520/450/400	520/450/400	520/450/400
Performance	Sound pressure level(H/M/L)	dB(A)	32/30/29	32/30/29	32/30/29
	Sound power level(H/M/L)	dB(A)	46/44/43	46/44/43	46/44/43
	External dimensions(W/D/H)	mm	570/570/260	570/570/260	570/570/260
	Shipping dimensions(W/D/H)	mm	718/680/380	718/680/380	718/680/380
Installation	Net/Shipping weight	kg	17/21	17/21	17/21
	Refrigerant liquid pipe	mm	6.35	6.35	6.35
	Refrigerant gas pipe	mm	9.52	9.52	9.52
	Model Name		PB-620KB	PB-620KB	PB-620KB
Panel	External dimensions(W/D/H)	mm	620/620/60	620/620/60	620/620/60
	Shipping dimensions(W/D/H)	mm	660/660/115	660/660/115	660/660/115
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	YR-E17	YR-E17	YR-E17
	Infrared (Optional)	/	YR-HBS01	YR-HBS01	YR-HBS01
Other Electrical Parameters	Current	(A)	0.2	0.2	0.2
	Power Input	(W)	17	17	17

Models are under development,data is pending.

Model/Indoor unit			AB122MCERA(M)	AB162MCERA(M)	AB182MCERA(M)
Capacity	Cooling	kBtu/h	12.3	15.3	19.1
		kW	3.6	4.5	5.6
	Heating	kBtu/h	13.6	17.1	21.5
		kW	4	5	6.3
Electrical Parameters	Power supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	Air flow (H/M/L)	m³/h	520/450/400	650/520/450	760/650/520
Performance	Sound pressure level(H/M/L)	dB(A)	33/30/29	33/30/29	34/32/30
	Sound power level(H/M/L)	dB(A)	47/44/43	47/44/43	48/46/44
	External dimensions(W/D/H)	mm	570/570/260	570/570/260	570/570/260
	Shipping dimensions(W/D/H)	mm	718/680/380	718/680/380	718/680/380
Installation	Net/Shipping weight	kg	19/23	19/23	19/23
	Refrigerant liquid pipe	mm	6.35	6.35	6.35
	Refrigerant gas pipe	mm	12.7	12.7	12.7
	Model Name		PB-620KB	PB-620KB	PB-620KB
Panel	External dimensions(W/D/H)	mm	620/620/60	620/620/60	620/620/60
	Shipping dimensions(W/D/H)	mm	660/660/115	660/660/115	660/660/115
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	YR-E17	YR-E17	YR-E17
	Infrared (Optional)	/	YR-HBS01	YR-HBS01	YR-HBS01
Other Electrical Parameters	Current	(A)	0.2	0.2	0.2
	Power Input	(W)	18	26	35

Models are under development,data is pending.

ROUND FLOW 4-WAY CASSETTE



- Unique round-way air outlet, no blind spot
- Innovative 4 independent air flow control
- 6 adjustable louver positions, 1296 air flow combinations
- Move Eye intelligent system, motion sensor(optional)

SPECIFICATION

Model/Indoor unit			AB072MRERA	AB092MRERA	AB122MRERA	AB162MRERA	AB182MRERA
Capacity	Cooling	kBtu/h	7.5	9.5	12.3	15.3	19.1
		kW	2.2	2.8	3.6	4.5	5.6
	Heating	Btu/h	8.5	10.9	13.6	17.1	21.5
		kW	2.5	3.2	4.0	5.0	6.3
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
Performance	Air flow (H)	m³/h	1000/810/620	1000/810/620	1000/810/620	1000/810/620	1000/810/620
	Sound pressure level(H/M/L)	dB(A)	30/27/25	30/27/25	30/27/25	32/29/27	33/30/29
Installation	External dimensions(W/D/H)	mm	840/840/183	840/840/183	840/840/183	840/840/183	840/840/183
	Shipping dimensions(W/D/H)	mm	983/983/268	983/983/268	983/983/268	983/983/268	983/983/268
	Net/Shipping weight	kg	28/31	28/31	28/31	28/31	28/31
	Refrigerant liquid pipe	mm	6.35	6.35	6.35	6.35	6.35
	Refrigerant gas pipe	mm	9.52	9.52	12.7	12.7	12.7
Panel	Model name		PB-950KB	PB-950KB	PB-950K B	PB-950K B	PB-950KB
	External dimensions(W/D/H)	mm	950/950/50	950/950/50	950/950/50	950/950/50	950/950/50
	Shipping dimensions(W/D/H)	mm	1013/1025/123	1013/1025/123	1013/1025/123	1013/1025/123	1013/1025/123
	Net/Shipping weight	kg	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9
Controller	Wired(Optional)	/	YR-E17	YR-E17	YR-E17	YR-E17	YR-E17
		/	YR-E16A	YR-E16A	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B
	Infrared(Optional)	/	YR-HBS01	YR-HBS01	YR-HBS01	YR-HBS01	YR-HBS01
Other Electrical Parameters	Current	(A)	0.15	0.15	0.15	0.15	0.15
	Power Input	(W)	18	18	26	26	35

Model/Indoor unit			AB242MRERA	AB282MRERA	AB302MRERA	AB382MRERA	AB482MRERA	AB602MRERA
Capacity	Cooling	kBtu/h	24.2	27.3	30.7	38.2	47.7	54.6
		kW	7.1	8.0	9.0	11.2	14.0	16.0
	Heating	Btu/h	27.3	30.7	34.1	42.6	54.6	61.2
		kW	8.0	9.0	10.0	12.5	16.0	18.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
Performance	Air flow (H)	m³/h	1380/1190/1000	1380/1190/1000	2050/1860/1670	2050/1860/1670	2100/1910/1720	2100/1910/1720
	Sound pressure level(H/M/L)	dB(A)	35/34/31	37/35/31	37/35/31	37/35/31	44/40/36	44/40/36
Installation	External dimensions(W/D/H)	mm	840/840/204	840/840/204	840/840/246	840/840/246	840/840/288	840/840/288
	Shipping dimensions(W/D/H)	mm	983/983/290	983/983/290	983/983/331	983/983/331	983/983/373	983/983/373
	Net/Shipping weight	kg	29/32	29/32	34/37	34/37	35/38	35/38
	Refrigerant liquid pipe	mm	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
Panel	Model name		PB-950KB	PB-950KB	PB-950KB	PB-950KB	PB-950KB	PB-950KB
	External dimensions(W/D/H)	mm	950/950/50	950/950/50	950/950/50	950/950/50	950/950/50	950/950/50
	Shipping dimensions(W/D/H)	mm	1013/1025/123	1013/1025/123	1013/1025/123	1013/1025/123	1013/1025/123	1013/1025/123
	Net/Shipping weight	kg	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9
Controller	Wired(Optional)	/	YR-E17	YR-E17	YR-E17	YR-E17	YR-E17	YR-E17
		/	YR-E16A	YR-E16A	YR-E16A	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B
	Infrared(Optional)	/	YR-HBS01	YR-HBS01	YR-HBS01	YR-HBS01	YR-HBS01	YR-HBS01
Other Electrical Parameters	Current	(A)	0.25	0.25	0.45	0.45	0.55	0.55
	Power Input	(W)	50	50	90	90	110	110



- 700x700mm new panel design
- Pre-set fresh air inlet
- Built-in high head drain pump
- Quiet operation

SPECIFICATION

Model/Indoor unit			AB052MCERA	AB072MCERA	AB092MCERA
Capacity	Cooling	kBtu/h	5.1	7.5	9.5
		kW	1.5	2.2	2.8
	Heating	Btu/h	5.8	8.5	10.9
Electrical Parameters		kW	1.7	2.5	3.2
	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
Performance	Air flow (H)	m³/h	650/540/430	700/590/480	700/590/480
	Sound pressure level(H/M/L)	dB(A)	31/29/28	32/30/29	32/30/29
	Sound power level(H/M/L)	dB(A)	45/43/42	46/44/43	46/44/43
Installation	External dimensions(W/D/H)	mm	570/570/260	570/570/260	570/570/260
	Shipping dimensions(W/D/H)	mm	718/680/380	718/680/380	718/680/380
	Net/Shipping weight	kg	17/21	17/21	17/21
	Refrigerant liquid pipe	mm	6.35	6.35	6.35
	Refrigerant gas pipe	mm	9.52	9.52	9.52
Panel	Model name		PB-700IB	PB-700IB	PB-700IB
	External dimensions(W/D/H)	mm	700/700/60	700/700/60	700/700/60
	Shipping dimensions(W/D/H)	mm	740/740/115	740/740/115	740/740/115
	Net/Shipping weight	kg	2.8/4.5	2.8/4.5	2.8/4.5
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17
	Infrared (Optional)	/	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	(A)	0.47	0.47	0.47
	Power Input	(W)	80	80	80

Model/Indoor unit			AB122MCERA	AB162MCERA	AB182MCERA(C)
Capacity	Cooling	kBtu/h	12.3	15.3	19.1
		kW	3.6	4.5	5.6
	Heating	Btu/h	13.6	17.1	21.5
Electrical Parameters		kW	4.0	5.0	6.3
	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
Performance	Air flow (H)	m³/h	700/590/480	700/590/480	700/590/480
	Sound pressure level(H/M/L)	dB(A)	32/30/29	33/30/29	33/30/29
	Sound power level(H/M/L)	dB(A)	46/44/43	47/44/43	47/44/43
Installation	External dimensions(W/D/H)	mm	570/570/260	570/570/260	570/570/260
	Shipping dimensions(W/D/H)	mm	718/680/380	718/680/380	718/680/380
	Net/Shipping weight	kg	19/23	19/23	19/23
	Refrigerant liquid pipe	mm	6.35	6.35	6.35
	Refrigerant gas pipe	mm	12.7	12.7	12.7
Panel	Model name		PB-700IB	PB-700IB	PB-700IB
	External dimensions(W/D/H)	mm	700/700/60	700/700/60	700/700/60
	Shipping dimensions(W/D/H)	mm	740/740/115	740/740/115	740/740/115
	Net/Shipping weight	kg	2.8/4.5	2.8/4.5	2.8/4.5
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17
	Infrared (Optional)	/	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	(A)	0.47	0.47	0.47
	Power Input	(W)	80	80	80



- Compact design
- Pre-set fresh air inlet
- Built-in high head drain pump
- Reserve branch outlet

SPECIFICATION

Model/Indoor unit			AB302MCERA	AB382MCERA	AB482MCERA
Capacity	Cooling	kBtu/h	30.7	38.2	47.7
		kW	9.0	11.2	14.0
	Heating	Btu/h	34.1	42.6	54.6
		kW	10.0	12.5	16.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	1800/1610/1420	1800/1610/1420	1800/1610/1420
Performance	Sound pressure level(H/M/L)	dB(A)	37/35/31	37/35/31	42/39/35
	Sound power level(H/M/L)	dB(A)	51/49/45	51/49/45	56/53/49
Installation	External dimensions(W/D/H)	mm	840/840/295	840/840/295	840/840/295
	Shipping dimensions(W/D/H)	mm	930/930/390	930/930/390	930/930/390
	Net/Shipping weight	kg	38/40	38/40	38/40
	Refrigerant liquid pipe	mm	9.52	9.52	9.52
	Refrigerant gas pipe	mm	15.88	15.88	15.88
	Model name		PB-950JB	PB-950JB	PB-950JB
Panel	External dimensions(W/D/H)	mm	950/950/60	950/950/60	950/950/60
	Shipping dimensions(W/D/H)	mm	992/992/115	992/992/115	985/985/115
	Net/Shipping weight	kg	6/7.5	6/7.5	6/7.5
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17
	Infrared (Optional)	/	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	(A)	0.76	0.76	0.762
	Power Input	(W)	150	150	150

Model/Indoor unit			AB182MCERA	AB242MCERA	AB282MCERA
Capacity	Cooling	kBtu/h	19.1	24.2	27.3
		kW	5.6	7.1	8.0
	Heating	Btu/h	21.5	27.3	30.7
		kW	6.3	8.0	9.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	1200/1010/820	1200/1010/820	1200/1010/820
Performance	Sound pressure level(H/M/L)	dB(A)	34/32/30	35/34/31	37/35/31
	Sound power level(H/M/L)	dB(A)	48/46/44	49/48/45	51/49/45
Installation	External dimensions(W/D/H)	mm	840/840/240	840/840/240	840/840/240
	Shipping dimensions(W/D/H)	mm	930/930/330	930/930/330	930/930/330
	Net/Shipping weight	kg	30/32.5	30/32.5	30/32.5
	Refrigerant liquid pipe	mm	6.35	9.52	9.52
	Refrigerant gas pipe	mm	12.7	15.88	15.88
Panel	Model name		PB-950JB	PB-950JB	PB-950JB
	External dimensions(W/D/H)	mm	950/950/60	950/950/60	950/950/60
	Shipping dimensions(W/D/H)	mm	992/992/115	992/992/115	992/992/115
	Net/Shipping weight	kg	6/7.5	6/7.5	6/7.5
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17
	Infrared (Optional)	/	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	(A)	0.67	0.67	0.67
	Power Input	(W)	145	145	145



- Flexible installation, on the floor or on the ceiling
- Automatic horizontal and vertical swing
- Reserved fresh air inlet
- Multiple direction for connection pipe setting
- Long-life and high efficiency air purify filter

SPECIFICATION

Model/Indoor unit			AC092MCERA	AC122MCERA	AC162MCERA	AC182MCERA	AC242MCERA
Capacity	Cooling	kBtu/h	9.5	12.3	15.4	19.1	24.2
		kW	2.8	3.6	4.5	5.6	7.1
	Heating	Btu/h	10.9	13.6	17.1	21.5	27.3
		kW	3.2	4.0	5.0	6.3	8.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	800/710/580	800/710/580	800/710/580	800/710/580	800/710/580
Performance	Sound pressure level(H/M/L)	dB(A)	38/35/33	38/35/33	40/37/35	40/37/35	40/37/35
	Sound power level(H/M/L)	dB(A)	51/48/46	51/48/46	53/50/48	53/50/48	53/50/48
Installation	External dimensions(W/D/H)	mm	990/655/199	990/655/199	990/655/199	990/655/199	990/655/199
	Shipping dimensions(W/D/H)	mm	1160/730/280	1160/730/280	1160/730/280	1160/730/280	1160/730/280
	Net/Shipping weight	kg	28.3/34.3	28.3/36.4	28.3/36.4	28.3/36.4	28.3/36.4
	Refrigerant liquid pipe	mm	6.35	6.35	6.35	6.35	9.52
	Refrigerant gas pipe	mm	9.52	12.7	12.7	12.7	15.88
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17	YR-E17	YR-E17
	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	(A)	0.3				
	Power Input	(W)	100				

Model/Indoor unit			AC282MFERA	AC302MFERA	AC382MFERA	AC482MFERA
Capacity	Cooling	kBtu/h	27.3	30.7	38.2	48.0
		kW	8.0	9.0	11.2	14.0
	Heating	Btu/h	30.7	34.1	42.6	55.0
		kW	9.0	10.0	12.5	16.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	2040/1820/1610	2040/1820/1610	2040/1820/1610	2040/1820/1610
Performance	Sound pressure level(H/M/L)	dB(A)	43/40/38	43/40/38	46/42/38	46/42/38
	Sound power level(H/M/L)	dB(A)	56/53/51	56/53/51	59/55/51	59/55/51
Installation	External dimensions(W/D/H)	mm	1580/700/240	1580/700/240	1580/700/240	1580/700/240
	Shipping dimensions(W/D/H)	mm	1720/800/330	1720/800/330	1720/800/330	1720/800/330
	Net/Shipping weight	kg	50/57	50/57	54/61	54/61
	Refrigerant liquid pipe	mm	9.52	9.52	9.52	9.52
	Refrigerant gas pipe	mm	15.88	15.88	15.88	15.88
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17	YR-E17
	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	(A)	1.00			1.8
	Power Input	(W)	200			400

LOW ESP SLIM DUCT (0/15/30Pa)



- DC fan motor
- New design 3D airflow air grille(optional)
- Super slim design, only 185mm
- Reserved fresh air inlet
- Built-in high head drain pump
- Friendly design of rear or bottom air return
- Quiet operation
- Static pressure 0/15/30Pa

SPECIFICATION

Model/Indoor unit			AD052MSERA(D)	AD072MSERA(D)	AD092MSERA(D)	AD122MSERA(D)
Capacity	Cooling	kBtu/h	5.1	7.5	9.5	12.3
		kW	1.5	2.2	2.8	3.6
	Heating	kBtu/h	5.8	8.5	10.9	13.6
Electrical Parameters	Power supply	kW	1.7	2.5	3.2	4.0
		Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H/M/L)	m³/h	430/370/310	480/420/360	480/420/360	550/430/370
Performance	Sound pressure level(H/M/L)	dB(A)	26/22/19	27/23/20	27/23/20	30/27/24
		dB(A)	40/36/33	41/37/34	41/37/34	44/41/38
	External dimensions(W/D/H)	mm	850/420/185	850/420/185	850/420/185	850/420/185
Installation	Shipping dimensions(W/D/H)	mm	1045/540/270	1045/540/270	1045/540/270	1045/540/270
	Net/Shipping weight	kg	16.5/21.5	17.5/22.5	17.5/22.5	17.5/22.5
	Refrigerant liquid pipe	mm	6.35	6.35	6.35	6.35
	Refrigerant gas pipe	mm	9.52	9.52	9.52	12.7
	Static Pressure(Standard/Max.)	Pa	0/15/30	0/15/30	0/15/30	0/15/30
	Panel model	/	P1B-890IA	P1B-890IA	P1B-890IA	P1B-890IA
Panel	External dimensions(W/D/H)	mm	890/190/100 (outlet panel)	890/190/100 (outlet panel)	890/190/100 (outlet panel)	890/190/100 (outlet panel)
	External dimensions(W/D/H)	mm	890/290.5/32.4 (inlet panel)	890/290.5/32.4 (inlet panel)	890/290.5/32.4 (inlet panel)	890/290.5/32.4 (inlet panel)
	Shipping dimensions(W/D/H)	mm	938/335/220	938/335/220	938/335/220	938/335/220
	Net/Shipping weight	Kg	4/5	4/5	4/5	4/5
Drain pump	O-optional,S-standard,W-without		S	S	S	S
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B
	Infrared (Optional)	/	YR-E17	YR-E17	YR-E17	YR-E17
		/	YR-HD	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	(A)	0.29			
	Power Input	(W)	31			

Model/Indoor unit			AD162MSERA(D)	AD182MSERA(D)	AD242MSERA(D)
Capacity	Cooling	kBtu/h	15.3	19.1	24.2
		kW	4.5	5.6	7.1
	Heating	kBtu/h	17.1	21.5	27.3
Electrical Parameters	Power supply	kW	5.0	6.3	8.0
		Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H/M/L)	m³/h	600/540/460	800/690/580	930/850/750
Performance	Sound pressure level(H/M/L)	dB(A)	32/29/26	33/30/27	36/33/30
		dB(A)	46/43/40	47/44/41	50/47/43
	External dimensions(W/D/H)	mm	850/420/185	1170/420/185	1170/420/185
Installation	Shipping dimensions(W/D/H)	mm	1045/540/270	1365/540/270	1365/540/270
	Net/Shipping weight	kg	18.5/23.5	22.2/28.2	24/30
	Refrigerant liquid pipe	mm	6.35	6.35	9.52
	Refrigerant gas pipe	mm	12.7	12.7	15.88
	Static Pressure(Standard/Max.)	Pa	0/15/30	0/15/30	0/15/30
	Panel model	/	P1B-890IA	P1B-1210IA	P1B-1210IA
Panel	External dimensions(W/D/H)	mm	890/190/100 (outlet panel)	1210/190/100 (outlet panel)	1210/190/100 (outlet panel)
	External dimensions(W/D/H)	mm	890/290.5/32.4 (inlet panel)	1210/290.5/32.4 (inlet panel)	1210/290.5/32.4 (inlet panel)
	Shipping dimensions(W/D/H)	mm	938/335/220	1258/335/220	1258/335/220
	Net/Shipping weight	Kg	4/5	5/6	5/6
Drain pump	O-optional,S-standard,W-without		S	S	S
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
	Infrared (Optional)	/	YR-E17	YR-E17	YR-E17
		/	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	(A)	0.32	0.37	0.45
	Power Input	(W)	35	40	50

LOW ESP SLIM DUCT (0/30Pa)



- Static pressure 0/30Pa
- Super slim design, only 185mm
- Reserved fresh air inlet
- Built-in high head drain pump
- Friendly design of rear or bottom air return
- Quiet operation

SPECIFICATION

Model/Indoor unit			AD052MSERA	AD072MSERA	AD092MSERA	AD122MSERA
Capacity	Cooling	kBtu/h	5.1	7.5	9.5	12.3
		kW	1.5	2.2	2.8	3.6
	Heating	kBtu/h	5.8	8.5	10.9	13.6
		kW	1.7	2.5	3.2	4.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H/M/L)	m³/h	430/370/310	480/420/360	480/420/360	550/430/370
Performance	Sound pressure level(H/M/L)	dB(A)	26/23/20	27/24/21	27/24/21	30/28/25
	Sound power level(H/M/L)	dB(A)	40/37/34	41/38/35	41/38/35	44/42/39
	External dimensions(W/D/H)	mm	850/420/185	850/420/185	850/420/185	850/420/185
	Shipping dimensions(W/D/H)	mm	1045/540/270	1045/540/270	1045/540/270	1045/540/270
Installation	Net/Shipping weight	kg	16.5/21.5	17.5/22.5	17.5/22.5	17.5/22.5
	Refrigerant liquid pipe	mm	6.35	6.35	6.35	6.35
	Refrigerant gas pipe	mm	9.52	9.52	9.52	12.7
	Static Pressure(Standard/Max.)	Pa	0/30	0/30	0/30	0/30
Panel	Panel model	/	P1B-890IA	P1B-890IA	P1B-890IA	P1B-890IA
	External dimensions(W/D/H)	mm	890/190/100 (outlet panel)	890/190/100 (outlet panel)	890/190/100 (outlet panel)	890/190/100 (outlet panel)
	External dimensions(W/D/H)		890/290.5/32.4 (inlet panel)	890/290.5/32.4 (inlet panel)	890/290.5/32.4 (inlet panel)	890/290.5/32.4 (inlet panel)
	Shipping dimensions(W/D/H)	mm	938/335/220	938/335/220	938/335/220	938/335/220
Drain pump	Net/Shipping weight	Kg	4/5	4/5	4/5	4/5
	O-optional,S-standard,W-without		S	S	S	S
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17	YR-E17
Other Electrical Parameters	Infrared (Optional)	/	YR-HD	YR-HD	YR-HD	YR-HD
	Current	(A)	0.26			
	Power Input	(W)	56			

Model/Indoor unit			AD162MSERA	AD182MSERA	AD242MSERA
Capacity	Cooling	kBtu/h	15.3	19.1	24.2
		kW	4.5	5.6	7.1
	Heating	kBtu/h	17.1	21.5	27.3
		kW	5.0	6.3	8.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H/M/L)	m³/h	600/540/460	800/690/580	930/850/750
Performance	Sound pressure level(H/M/L)	dB(A)	33/30/27	33/30/28	36/33/31
	Sound power level(H/M/L)	dB(A)	47/44/41	47/44/42	50/47/44
	External dimensions(W/D/H)	mm	850/420/185	1170/420/185	1170/420/185
	Shipping dimensions(W/D/H)	mm	1045/540/270	1365/540/270	1365/540/270
Installation	Net/Shipping weight	kg	18.5/23.5	22.2/28.2	24/30
	Refrigerant liquid pipe	mm	6.35	6.35	9.52
	Refrigerant gas pipe	mm	12.7	12.7	15.88
	Static Pressure(Standard/Max.)	Pa	0/30	0/30	0/30
Panel	Panel model	/	P1B-890IA	P1B-12102IA	P1B-12102IA
	External dimensions(W/D/H)	mm	890/190/100 (outlet panel)	890/190/100 (outlet panel)	890/190/100 (outlet panel)
	External dimensions(W/D/H)		890/290.5/32.4 (inlet panel)	890/290.5/32.4 (inlet panel)	890/290.5/32.4 (inlet panel)
	Shipping dimensions(W/D/H)	mm	938/335/220	938/335/220	938/335/220
Drain pump	Net/Shipping weight	Kg	4/5	4/5	4/5
	O-optional,S-standard,W-without		S	S	S
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17
Other Electrical Parameters	Infrared (Optional)	/	YR-HD	YR-HD	YR-HD
	Current	(A)	0.3	0.37	0.54
	Power Input	(W)	65	80	117



- Ultra thin design, only 220mm
- Knock-down drain pan
- Two-way pipe connection
- Left or right side drain outlet
- Static pressure 0/20Pa

SPECIFICATION

Model/Indoor unit			AD072MLERA	AD092MLERA	AD122MLERA
Capacity	Cooling	kBtu/h	7.5	9.5	12.3
		kW	2.2	2.8	3.6
	Heating	Btu/h	8.5	10.9	13.6
		kW	2.5	3.2	4.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	400/364/324	400/364/324	500/450/420
Performance	Sound pressure level(H/M/L)	dB(A)	35/32/30	35/32/30	35/32/30
	Sound power level(H/M/L)	dB(A)	49/46/44	49/46/44	49/46/44
	External dimensions(W/D/H)	mm	610/500/220	610/500/220	610/500/220
	Shipping dimensions(W/D/H)	mm	710/549/280	710/549/280	710/549/280
Installation	Net/Shipping weight	kg	15/17	15/17	16/18
	Refrigerant liquid pipe	mm	6.35	6.35	6.35
	Refrigerant gas pipe	mm	9.52	9.52	12.7
	Static Pressure(Standard/Max.)	Pa	0/20	0/20	0/20
	Drain pump	O-optional,S-standard,W-without	KT-NP01(Optional)	KT-NP01(Optional)	KT-NP01(Optional)
Controller	Wired (Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17
	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	(A)	0.15		0.25
	Power Input	(W)	30		45

Model/Indoor unit			AD162MLERA	AD182MLERA	AD242MLERA
Capacity	Cooling	kBtu/h	15.3	19.1	24.2
		kW	4.5	5.6	7.1
	Heating	Btu/h	17.1	21.5	27.3
		kW	5.0	6.3	8.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	850/780/700	1250/1122/988	1250/1122/988
Performance	Sound pressure level(H/M/L)	dB(A)	35/32/30	39/37/35	39/37/35
	Sound power level(H/M/L)	dB(A)	49/46/44	53/51/49	53/51/49
	External dimensions(W/D/H)	mm	1105/500/220	1105/500/220	1105/500/220
	Shipping dimensions(W/D/H)	mm	1174/549/294	1174/549/294	1174/549/294
Installation	Net/Shipping weight	kg	25/27	28/30	28/30
	Refrigerant liquid pipe	mm	6.35	6.35	9.52
	Refrigerant gas pipe	mm	12.7	12.7	15.88
	Static Pressure(Standard/Max.)	Pa	0/20	0/20	0/20
	Drain pump	O-optional,S-standard,W-without	KT-NP01(Optional)	KT-NP01(Optional)	KT-NP01(Optional)
Controller	Wired (Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17
	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	(A)	0.27	0.55	
	Power Input	(W)	50	110	

MEDIUM ESP DUCT (50/96Pa)



MEDIUM ESP DUCT (50/96Pa)

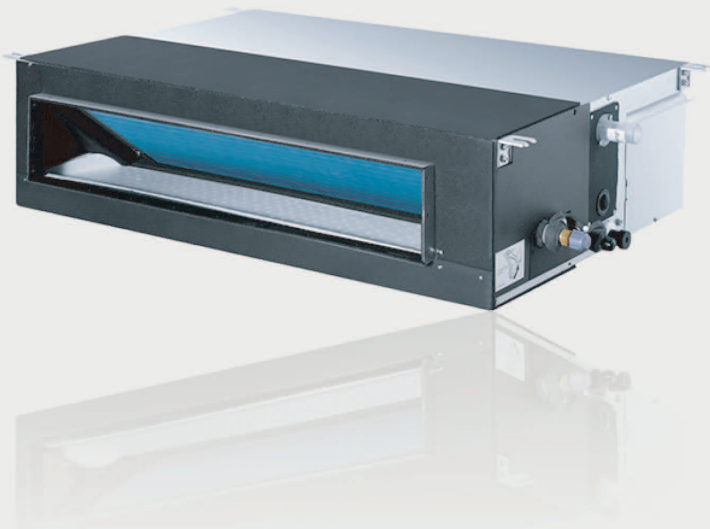


- Flexible duct connection
- Built in drain pump
- Static pressure 50/96Pa

SPECIFICATION

Model/Indoor unit			AD182MMERA	AD242MMERA	AD282MMERA
Capacity	Cooling	kBtu/h	19.1	24.2	27.3
		kW	5.6	7.1	8
	Heating	Btu/h	21.5	27.3	30.7
		kW	6.3	8	9
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	1800/1690/1492	1800/1690/1492	2490/2302/2138
Performance	Sound pressure level(H/M/L)	dB(A)	36/34/31	36/34/31	39/37/35
	Sound power level(H/M/L)	dB(A)	49/47/44	49/47/44	52/50/48
	External dimensions(W/D/H)	mm	990/650/300	990/650/300	1418/655/350
Installation	Shipping dimensions(W/D/H)	mm	1170/860/340	1170/860/340	1570/813/383
	Net/Shipping weight	kg	39/45	39/45	64/66.7
	Refrigerant liquid pipe	mm	6.35	9.52	9.52
	Refrigerant gas pipe	mm	12.7	15.88	15.88
	Static Pressure(Standard/Max.)	Pa	50/96	50/96	50/96
Drain pump	O-optional,S-standard,W-without		S	S	S
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17
	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	A	0.51		
	Power Consumption	w	100		

Model/Indoor unit			AD302MMERA	AD382MMERA	AD482MMERA
Capacity	Cooling	kBtu/h	30.7	38.2	47.7
		kW	9	11.2	14
	Heating	Btu/h	34.1	42.6	54.6
		kW	10	12.5	16
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50	1/220-230/50	1/220-230/50
	Air flow (H)	m³/h	1900/1726/1538	1900/1726/1538	2100/1908/1700
Performance	Sound pressure level(H/M/L)	dB(A)	39/37/35	41/40/39	41/40/39
	Sound power level(H/M/L)	dB(A)	52/50/48	54/53/52	54/53/52
	External dimensions(W/D/H)	mm	1418/655/350	1418/655/350	1418/655/350
Installation	Shipping dimensions(W/D/H)	mm	1570/813/383	1570/813/383	1570/813/383
	Net/Shipping weight	kg	53.2/60.3	53.2/60.3	54.6/61.7
	Refrigerant liquid pipe	mm	9.52	9.52	9.52
	Refrigerant gas pipe	mm	15.88	15.88	15.88
	Static Pressure(Standard/Max.)	Pa	50/96	50/96	50/96
Drain pump	O-optional,S-standard,W-without		S	S	S
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17
	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	A	1		
	Power Consumption	w	200		

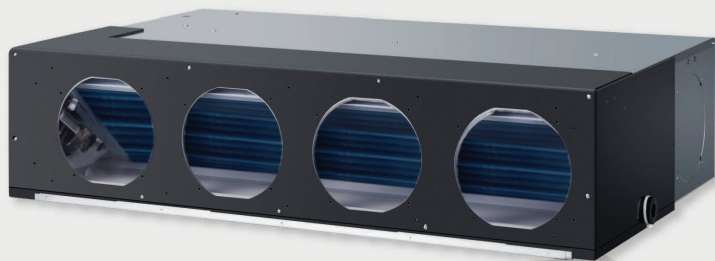


- 5-28K
- Only 250mm thick
- Built-in drain pump
- 50/100Pa

SPECIFICATION

Model/Indoor unit			AD052MJERA	AD072MJERA	AD092MJERA	AD122MJERA
Capacity	Cooling	kBtu/h	5.1	7.5	9.5	12.3
		kW	1.5	2.2	2.8	3.6
	Heating	Btu/h	5.8	8.5	10.9	13.6
		kW	1.7	2.5	3.2	4
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	585/495/408	585/495/408	585/495/408	585/495/408
Performance	Sound pressure level(H/M/L)	dB(A)	35/33/31	35/33/31	35/33/31	35/33/31
	Sound power level(H/M/L)	dB(A)	39/37/35	39/37/35	39/37/35	39/37/35
Installation	External dimensions(W/D/H)	mm	750/720/250	750/720/250	750/720/250	750/720/250
	Shipping dimensions(W/D/H)	mm	920/820/340	920/820/340	920/820/340	920/820/340
	Net/Shipping weight	kg	24.1/28.3	24.1/28.3	24.1/28.3	24.1/28.3
	Refrigerant liquid pipe	mm	6.35	6.35	6.35	6.35
	Refrigerant gas pipe	mm	12.7	12.7	12.7	12.7
	Static Pressure(Standard/Max.)	Pa	50/100	50/100	50/100	50/100
Drain pump	O-optional,S-standard,W-without		S	S	S	S
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	YR-E17	YR-E17	YR-E17	YR-E17
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	A	0.45			
	Power Consumption	w	98			

Model/Indoor unit			AD162MJERA	AD182MJERA	AD242MJERA	AD282MJERA
Capacity	Cooling	kBtu/h	15.3	19.1	24.2	27.3
		kW	4.5	5.6	7.1	8
	Heating	Btu/h	17.1	21.5	27.3	30.7
		kW	5	6.3	8	9
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	750/652/566	920/805/699	1230/1090/950	1230/1090/950
Performance	Sound pressure level(H/M/L)	dB(A)	35/33/31	36/34/32	38/36/34	42/39/35
	Sound power level(H/M/L)	dB(A)	39/37/35	40/38/36	42/40/38	46/43/39
Installation	External dimensions(W/D/H)	mm	750/720/250	1050/720/250	1050/720/250	1050/720/250
	Shipping dimensions(W/D/H)	mm	920/820/340	1170/860/340	1170/860/340	1170/860/340
	Net/Shipping weight	kg	25.9/30.1	30.5/35.9	33.1/38.5	33.1/38.5
	Refrigerant liquid pipe	mm	6.35	6.35	9.52	9.52
	Refrigerant gas pipe	mm	12.7	12.7	15.88	15.88
	Static Pressure(Standard/Max.)	Pa	50/100	50/100	50/100	50/100
Drain pump	O-optional,S-standard,W-without		S	S	S	S
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	YR-E17	YR-E17	YR-E17	YR-E17
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	A	0.63	0.65	0.85	
	Power Consumption	w	137	144	187	



- New compact design:270mm height
- Flexible duct connection
- Static pressure 80/120Pa

SPECIFICATION

Model/Indoor unit			AD302MNERA	AD382MNERA	AD482MNERA
Capacity	Cooling	kBtu/h	30	38	48
		kW	9	11.2	14
	Heating	Btu/h	34	43	55
		kW	10	12.5	16
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	2208/1973/1795	2208/1973/1795	2208/1973/1795
Performance	Sound pressure level(H/M/L)	dB(A)	49/47/43	49/47/43	49/47/43
	Sound power level(H/M/L)	dB(A)	62/60/56	62/60/56	62/60/56
	External dimensions(W/D/H)	mm	1135/742/270	1135/742/270	1135/742/270
Installation	Shipping dimensions(W/D/H)	mm	1355/856/380	1355/856/380	1355/856/380
	Net/Shipping weight	kg	47/53	47/53	47/53
	Refrigerant liquid pipe	mm	9.52	9.52	9.52
	Refrigerant gas pipe	mm	15.88	15.88	15.88
	Static Pressure(Standard/Max.)	Pa	50/120	50/120	50/120
	Drain pump	O-optional,S-standard,W-without	KT-NP01(Optional)	KT-NP01(Optional)	KT-NP01(Optional)
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17
	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	A	2.2		
	Power Consumption	w	490		

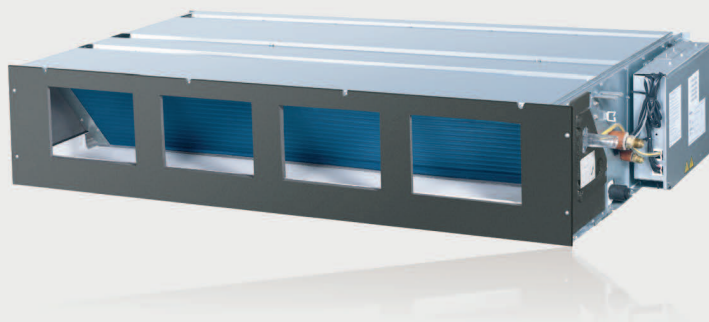


- Flexible duct connection
- Variable static pressure 100/196Pa setting

SPECIFICATION						
Model/Indoor unit			AD182MHERA	AD242MHERA	AD282MHERA	AD302MHERA
Capacity	Cooling	kBtu/h	19.1	24.2	27.3	30.7
		kW	5.6	7.1	8.0	9.0
	Heating	Btu/h	21.5	27.3	30.73	34.1
		kW	6.3	8.0	9.0	10.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	1500/1357/1089	1500/1357/1089	1500/1357/1089	1560/1412/1133
Performance	Sound pressure level(H/M/L)	dB(A)	42/40/38	42/40/38	42/40/38	45/43/40
	Sound power level(H/M/L)	dB(A)	55/53/51	55/53/51	55/53/51	58/53/50
Installation	External dimensions(W/D/H)	mm	975/906/360	975/906/360	975/906/360	1355/876/360
	Shipping dimensions(W/D/H)	mm	1048/943/413	1048/943/413	1048/943/413	1378/938/405
	Net/Shipping weight	kg	54/62	54/62	54/62	66/74
	Refrigerant liquid pipe	mm	6.35	9.52	9.52	9.52
	Refrigerant gas pipe	mm	12.7	15.88	15.88	15.88
	Static Pressure(Standard/Max.)	Pa	100/196	100/196	100/196	100/196
Drain pump	O-optional,S-standard,W-without		W	W	W	W
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17	YR-E17
	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	A	2.05			2.55
	Power Consumption	w	450			560

Model/Indoor unit			AD382MHERA	AD482MHERA	AD722MHERA	AD962MHERA
Capacity	Cooling	kBtu/h	38.2	47.8	77.1	95.6
		kW	11.2	14.0	22.6	28.0
	Heating	Btu/h	42.6	54.6	85.3	105.8
		kW	12.5	16.0	25.0	31.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	1600/1448/1162	2100/1901/1525	4050/3255/2612	4050/3255/2612
Performance	Sound pressure level(H/M/L)	dB(A)	45/43/40	45/43/40	54/51/49	54/51/49
	Sound power level(H/M/L)	dB(A)	58/53/50	58/53/50	67/62/59	67/62/59
Installation	External dimensions(W/D/H)	mm	1355/876/360	1355/876/360	1725/876/360	1725/876/360
	Shipping dimensions(W/D/H)	mm	1378/938/405	1378/938/405	1830/990/530	1830/990/530
	Net/Shipping weight	kg	66/74	66/74	100/112	100/112
	Refrigerant liquid pipe	mm	9.52	9.52	9.52	9.52
	Refrigerant gas pipe	mm	15.88	15.88	25.4	25.4
	Static Pressure(Standard/Max.)	Pa	100/196	100/196	100/196	100/196
Drain pump	O-optional,S-standard,W-without		W	W	W	W
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17	YR-E17
	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	A	2.55			5.05
	Power Consumption	w	560			1110

HIGH ESP DUCT (0/200Pa)



- Auto adjusted ESP 0-200Pa
- Low sound level
- Built-in lift head drain pump

SPECIFICATION

Model/Indoor unit			AD072MQERA	AD092MQERA	AD122MQERA	AD152MQERA	AD182MQERA	AD242MQERA
Capacity	Cooling	kBtu/h	7.6	9.6	12.1	15.1	18.2	24
		kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kBtu/h	8.6	10.6	13.6	17	20	27
		kW	2.5	3.2	4	5	6.3	8
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)
Performance	Air flow (H/M/L)	m³/h	500/410/360	600/510/450	700/580/500	780/680/600	900/780/600	1100/1020/920
	Sound pressure level(H/M/L)	dB(A)	30/25/23	30/25/23	32/29/26	32/29/26	32/29/26	33/29/25
Installation	External dimensions(W/D/H)	mm	750/635/280	750/635/280	750/635/280	750/635/280	750/635/280	950/635/280
	Shipping dimensions(W/D/H)	mm	980/740/335	980/740/335	980/740/335	980/740/335	980/740/335	1180/740/335
	Net/Shipping weight	kg	29/35	29/35	29/35	29/35	29/35	34/41
	Refrigerant liquid pipe	mm	6.35	6.35	6.35	6.35	6.35	9.52
	Refrigerant gas pipe	mm	9.52	9.52	12.7	12.7	12.7	15.88
	Static Pressure(Standard/Max.)	Pa	0-200	0-200	0-200	0-200	0-200	0-200
Drain pump	O-optional,S-standard,W-without		S	S	S	S	S	S
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17	YR-E17	YR-E17	YR-E17
	Infrared (Optional)	/	YR-HD	YR-HD	YR-HD	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	A	1.08		1.54		2.08	
	Power Consumption	w	120		181		253	

Model/Indoor unit			AD282MQERA	AD302MQERA	AD362MQERA	AD422MQERA	AD482MQERA	AD542MQERA
Capacity	Cooling	kBtu/h	27.3	30	36	42	48	54
		kW	8	9	11.2	12.5	14	16
	Heating	kBtu/h	30.7	34	40	47	54	60
		kW	9	10	12.5	15	16	18
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)
Performance	Air flow (H/M/L)	m³/h	1500/1320/1220	1500/1320/1220	1700/1510/1400	2000/1780/1620	2280/1920/1780	2280/1920/1780
	Sound pressure level(H/M/L)	dB(A)	33/29/25	33/29/25	38/36/30	38/36/30	40/34/29	40/34/29
Installation	External dimensions(W/D/H)	mm	950/635/280	950/635/280	1370/740/280	1370/740/280	1370/740/280	1370/740/280
	Shipping dimensions(W/D/H)	mm	1180/740/335	1180/740/335	1555/839/380	1555/839/380	1555/839/380	1555/839/380
	Net/Shipping weight	kg	34/41	34/41	54/68	54/68	54/68	54/68
	Refrigerant liquid pipe	mm	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
	Static Pressure(Standard/Max.)	Pa	0-200	0-200	0-200	0-200	0-200	0-200
Drain pump	O-optional,S-standard,W-without		S	S	S	S	S	S
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17	YR-E17	YR-E17	YR-E17
	Infrared (Optional)	/	YR-HD	YR-HD	YR-HD	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	A	2.14		2.6		2.86	
	Power Consumption	w	259		316		367	



- Require very little installation space: only 220mm
- Good solution for installation beneath a window
- High efficiency filter fitted as standard

SPECIFICATION

Model/Indoor unit			AE072MLERA	AE092MLERA	AE122MLERA
Capacity	Cooling	kBtu/h	7.5	9.5	12.3
		kW	2.2	2.8	3.6
	Heating	Btu/h	8.5	10.9	13.6
		kW	2.5	3.2	4.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	750/650/550	750/650/550	750/650/550
Performance	Sound pressure level(H/M/L)	dB(A)	38/35/33	38/35/33	40/37/35
	Sound power level(H/M/L)	dB(A)	51/48/46	51/48/46	53/50/48
Installation	External dimensions(W/D/H)	mm	1116/221/624	1116/221/624	1116/221/624
	Shipping dimensions(W/D/H)	mm	1198/295/707	1198/295/707	1198/295/707
	Net/Shipping weight	kg	29/37	29/37	29/37
	Refrigerant liquid pipe	mm	6.35	6.35	6.35
	Refrigerant gas pipe	mm	9.52	9.52	12.7
	Static Pressure	Pa	0/30	0/30	0/30
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17
	Infrared (Optional)	/	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	A	0.62		
	Power Consumption	w	110		

Model/Indoor unit			AE162MLERA	AE182MLERA	AE242MLERA
Capacity	Cooling	kBtu/h	15.3	19.1	24.2
		kW	4.5	5.6	7.1
	Heating	Btu/h	17.1	21.5	27.3
		kW	5.0	6.3	8.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	950/830/720	950/830/720	950/830/720
Performance	Sound pressure level(H/M/L)	dB(A)	40/37/35	42/39/36	42/39/36
	Sound power level(H/M/L)	dB(A)	53/50/48	55/52/49	55/52/49
Installation	External dimensions(W/D/H)	mm	1116/221/624	1116/221/624	1116/221/624
	Shipping dimensions(W/D/H)	mm	1198/295/707	1198/295/707	1198/295/707
	Net/Shipping weight	kg	31/39	31/39	31/39
	Refrigerant liquid pipe	mm	6.35	6.35	9.52
	Refrigerant gas pipe	mm	12.7	12.7	15.88
	Static Pressure	Pa	0/30	0/30	0/30
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17
	Infrared (Optional)	/	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	A	0.68		
	Power Consumption	w	150		



- Air discharge through top and bottom
- Compact design & small space occupation
- Quiet operation

SPECIFICATION

Model/Indoor unit			AF052MAERA	AF072MAERA
Capacity	Cooling	kBtu/h	5.1	7.5
		kW	1.5	2.2
	Heating	Btu/h	5.8	8.5
		kW	1.7	2.5
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	420/330/240	460/370/280
Performance	Sound pressure level(H/M/L)	dB(A)	42/38/35	43/39/36
	Sound power level(H/M/L)	dB(A)	55/52/48	56/53/49
	External dimensions(W/D/H)	mm	720/255/640	720/255/640
Installation	Shipping dimensions(W/D/H)	mm	784/305/720	784/305/720
	Net/Shipping weight	kg	18/20	18/20
	Refrigerant liquid pipe	mm	6.35	6.35
	Refrigerant gas pipe	mm	12.7	12.7
Controller	Wired (Optional)	/	/	/
	Infrared(Optional)	/	YR-HD	YR-HD
Other Electrical Parameters	Current	A	0.44	
	Power Consumption	w	100	

Model/Indoor unit			AF092MAERA	AF122MAERA	AF182MAERA
Capacity	Cooling	kBtu/h	9.5	12.3	17.0
		kW	2.8	3.6	5.0
	Heating	Btu/h	10.9	13.6	20.5
		kW	3.2	4.0	6.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	460/370/280	520/430/340	580/490/400
Performance	Sound pressure level(H/M/L)	dB(A)	43/39/36	43/39/36	48/46/42
	Sound power level(H/M/L)	dB(A)	56/53/49	56/53/49	61/59/55
	External dimensions(W/D/H)	mm	720/255/640	720/255/640	720/255/640
Installation	Shipping dimensions(W/D/H)	mm	784/305/720	784/305/720	784/305/720
	Net/Shipping weight	kg	18/20	18/20	18/20
	Refrigerant liquid pipe	mm	6.35	6.35	6.35
	Refrigerant gas pipe	mm	12.7	12.7	12.7
Controller	Wired (Optional)	/	/	/	/
	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	A	0.44		
	Power Consumption	w	100		



- Stylish design & LED display
- Built in EEV, easy to installation
- Negative ion, vitamin C, and ESF filter optional

SPECIFICATION

Model/Indoor unit			AS052MNERA AS052MFERA	AS072MNERA AS072MFERA	AS092MNERA AS092MFERA	AS122MNERA AS122MFERA	AS162MNERA AS162MFERA
Capacity	Cooling	kBtu/h	5.1	7.5	9.5	12.3	15.3
		kW	1.5	2.2	2.8	3.6	4.5
	Heating	Btu/h	5.8	8.5	10.9	13.6	17.1
		kW	1.7	2.5	3.2	4.0	5.0
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
	Air flow (H)	m³/h	500/430/370	550/480/420	600/530/470	630/560/500	800/720/650
Performance	Sound pressure level(H/M/L)	dB(A)	33/31/29	35/31/29	36/31/29	37/33/29	39/36/34
	Sound power level(H/M/L)	dB(A)	49/46//41	50/47/42	52/48/44	54/51/50	56/53/51
Installation	External dimensions(W/D/H)	mm	855/200/280	855/200/280	855/200/280	855/200/280	1115/243/336
	Shipping dimensions(W/D/H)	mm	954/279/355	954/279/355	954/279/355	954/279/355	1206/342/418
	Net/Shipping weight	kg	9.9/12	9.9/12	9.9/12	15.8/18.9	15.8/18.9
	Refrigerant liquid pipe	mm	6.35	6.35	6.35	6.35	6.35
	Refrigerant gas pipe	mm	9.52	9.52	9.52	12.7	12.7
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	YR-E17	YR-E17	YR-E17	YR-E17	YR-E17
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	A	0.15				0.5
	Power Consumption	w	43				57

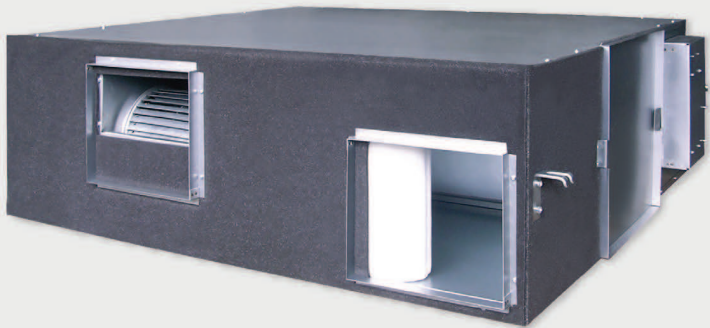
Model/Indoor unit			AS182MNERA AS182MFERA	AS242MNERA AS242MFERA	AS282MNERA	AS302MNERA
Capacity	Cooling	kBtu/h	19.1	24.2	27.3	30.7
		kW	5.6	7.1	8.0	9.0
	Heating	Btu/h	21.5	27.3	30.7	34.1
		kW	6.3	8.0	9.0	10.0
Electrical Parameters	Power supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	Air flow (H)	m³/h	920/800/720	1010/920/800	1500/1400/1300	1600/1500/1400
Performance	Sound pressure level(H/M/L)	dB(A)	40/39/35	44/40/36	48/43/40	49/44/41
	Sound power level(H/M/L)	dB(A)	57/54/52	58/56/54	60/57/53	61/58/54
Installation	External dimensions(W/D/H)	mm	1115/243/336	1115/243/336	1316/270/365	1316/270/365
	Shipping dimensions(W/D/H)	mm	1206/342/418	1206/342/418	1403/384/463	1403/384/463
	Net/Shipping weight	kg	15.8/18.9	15.8/18.9	21.8/26.3	21.8/26.3
	Refrigerant liquid pipe	mm	6.35	9.52	9.52	9.52
	Refrigerant gas pipe	mm	12.7	15.88	15.88	15.88
Controller	Wired(Optional)	/	YR-E16A	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	YR-E17	YR-E17	YR-E17	YR-E17
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
	Infrared(Optional)	/	YR-HD	YR-HD	YR-HD	YR-HD
Other Electrical Parameters	Current	A	0.5		0.59	
	Power Consumption	w	57		99	



- Variable static pressure 100~200Pa setting
- Install with other indoor units together, and introduce the outdoor fresh air into indoor

SPECIFICATION

Model/Indoor unit			AD482MPERA	AD722MPERA	AD962MPERA
Capacity	Cooling	kBtu/h	47.7	77.1	95.5
		kW	14	22.6	28
	Heating	Btu/h	30.4	51.8	60.8
		kW	8.9	15.2	17.8
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Air flow (H)	m³/h	1600/1460/1070	2300/1900/1320	2800/2400/1820
Performance	Sound pressure level(H/M/L)	dB(A)	48/47/42	55/53/50	55/54/52
	Sound power level(H/M/L)	dB(A)	61/60/56	68/65/60	68/66/62
	Static Pressure(Standard/Max.)	Pa	100/185	100/200	100/200
Installation	External dimensions(W/D/H)	mm	1355/876/360	1725/876/360	1725/876/360
	Shipping dimensions(W/D/H)	mm	1386/966/418	1830/990/530	1830/990/530
	Net/Shipping weight	kg	69/74	100/127	101/128
	Refrigerant liquid pipe	mm	9.52	9.52	9.52
	Refrigerant gas pipe	mm	15.88	25.4	25.4
	Static Pressure(Standard/Max.)	Pa	100/185	100/200	100/200
Controller	Wired (Optional)	/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17	YR-E17	YR-E17
Other Electrical Parameters	Current	A	2.5	3.3	4.0
	Power Consumption	w	560	730	870



YR-N07

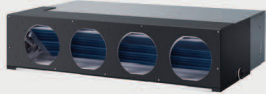

- Be controlled with other indoor units together
- Efficient heat recovery air processing
- Heat recovery media element

SPECIFICATION

Model/Indoor unit			ERV0150ANN	ERV0260ANN
Electrical	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60
	Rated power input	kW	0.1	0.12
	Rated current	A	0.55	0.55
Performance	Air flow (H)	m³/h	150	260
	Sound pressure level(H/L)	dB(A)	44/43	44/43
	Sound power level(H/L)	dB(A)	55/54	55/54
Installation	External dimensions(W/D/H)	mm	940/685/276	940/685/276
	Shipping dimensions(W/D/H)	mm	1013/773/345	1013/773/345
	Net/Shipping weight	kg	28.7/31.2	28.7/31.2
	Static Pressure	Pa	80	60
Controller	Wired (Standard)	/	YR-N07	YR-N07
Other Electrical Parameters	Current	A	0.55	0.55
	Power Consumption	w	100	120

Model/Indoor unit			ERV0500ANN	ERV0800ANN	ERV1000ANN
Electrical	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Rated power input	kW	0.36	0.36	0.36
	Rated current	A	1.65	1.65	1.65
Performance	Air flow (H)	m³/h	500	800	1000
	Sound pressure level(H/L)	dB(A)	57/55	57/55	57/55
	Sound power level(H/L)	dB(A)	68/66	68/66	68/66
Installation	External dimensions(W/D/H)	mm	1227/1115/387	1227/1115/387	1227/1115/387
	Shipping dimensions(W/D/H)	mm	1465/1213/430	1465/1213/430	1465/1213/430
	Net/Shipping weight	kg	85.5/90.6	85.5/90.6	85.5/90.6
	Static Pressure	Pa	150	120	100
Controller	Wired (Standard)	/	YR-N07	YR-N07	YR-N07
Other Electrical Parameters	Current	A	1.29	1.65	
	Power Consumption	w	280	360	

Series	KBTU/h kW			5	7	9	12	16	18	24	28	30	38	42	48	54	72	96
				1.5	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	12.5	14.0	16.0	22.6	28.0
1-Way Cassette		AB**2MAERA		■	■	■	■											
2 - Way Cassette		AB**2MBERA			■	■	■	■	■									
MINI 4 - Way Cassette		AB**2MCERA(M)		■	■	■	■	■	■									
Round Flow 4- Way Cassette		AB**2MRERA			■	■	■	■	■	■	■	■	■		■	■		
4 - Way Cassette		AB**2MCERA		■	■	■	■	■	■	■	■	■	■		■			
Convertible		AC**2MCERA AC**2MFERA				■	■	■	■	■	■	■	■		■			
Slim Duct(30Pa)		AD**2MSERA(D) AD**2MSERA		■	■	■	■	■	■	■								
Low ESP Duct(20Pa)		AD**2MLERA			■	■	■	■	■	■								
Medium ESP Duct (50/96Pa)		AD**2MMERA							■	■	■	■	■		■			
Medium ESP Duct (50/100Pa)		AD**2MJERA		■	■	■	■	■	■	■	■							

Series	KBTU/h kW			5	7	9	12	16	18	24	28	30	38	42	48	54	72	96
				1.5	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	12.5	14.0	16.0	22.6	28.0
Medium ESP Duct (80/120Pa)		AD**2MNERA										<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			
High ESP Duct (100/196Pa)		AD**2MHERA							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
High ESP Duct (0/200pa)		AD**2MQERA			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Built-in Floor Standing		AE**2MLERA			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
Console		AF*2MAERA		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
High Wall-N		AS**2MNERA		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
		AS**2MFERA		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
Fresh Air Duct		AD*2MPERA													<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
HRV (Heat Reclaim Ventilation) (ERV0150/0260/ 0800/1000ANN)		150m³/h 260m³/h												500m³/h 800m³/h 1000m³/h				

User Friendly Management Control Solution

Integrated Management

Convenient and efficient, Haier controllers realize the co-management of Super match and MRV in one system, providing you more combination choices for better managing large or medium buildings.

Building Management

The excellent building management system provides a professional and reliable service for a better management of your air conditioning units.

Intelligent Management

"Haier Smart AC" provides an intelligent and personalized experience for your smart life.

Applications

Haier control products are designed to provide you a best solution for the small, medium or large projects.



Individual Controller

The individual control system has a variety of wired and wireless controllers which enable you can easy and intelligent control of your air conditioners. you can choose the one which best suits for your air conditioning management.



YR-HBS01

- On/off, mode, fan speed, temperature setting, swing
- Turbo, quiet
- Individual blade control for smart power cassette
- Clock & timer
- Follow/evade function
- Celsius to fahrenheit



YR-HD

- On/off, mode, fan speed, temperature setting, swing
- One button solution: cool, heat, dry, quiet
- Simple timer control

Individual Controller



YL-HE

- Cooling only
- Turbo, Quiet



YR-E17

- On/off, mode, fan speed, temperature setting, swing
- Individual & group control (max 16 indoor units)
- Simple and smart design, 86*86*13.05mm
- Touch button with back light
- Timer/ clock
- Easy installation
- Individual blade control for round way cassette.



YR-E16A

- On/off, mode, fan speed, temperature setting, swing
- Individual & group control (max 16 indoor units)
- Large button
- Fahrenheit/ celsius selectable; sensitivity $\pm 0.5^{\circ}\text{C}$ ($\pm 1^{\circ}\text{F}$)
- Weekly timer
- Individual louver control for smart power cassette
- Static pressure setting



YR-E16B

- Colorful screen
- On/off, mode, fan speed, temperature setting, swing
- Individual & group control (max 16 indoor units)
- Fahrenheit/ celsius selectable; sensitivity $\pm 0.5^{\circ}\text{C}$ ($\pm 1^{\circ}\text{F}$)
- Weekly timer
- Individual blade control for round way cassette
- Static pressure setting



HW-BA116ABK

- Alternating current
- Basic fuction: on/off, mode, fan speed, temperature
- Individual & group control (max 16 indoor units)
- Simple and smart design, 86*86*14.80mm
- Could receive wireless controller signal



HW-CA101AGK

- 485 communication
- Basic fuction: on/off, mode, fan speed, temperature
- Simple and smart design
- Special for chiller



WIFI Module (KZW-W001)

- Remote control: on/off, mode, fan speed, Temperature setting, swing
- Individual control
- Weekly timer
- A YCJ-A002 isrequired on some indoor unit



RE-01/02

- Infrared signal receiver
- Realize the remote control of duct type indoor unit
- Model selection depends on the duct indoor unit

Centralized Controller

The centralized control system offers you a smart and convenient experience while managing your air conditioner individually or by groups or by zones. a variety of controllers can be used to perfect your air conditioning management.



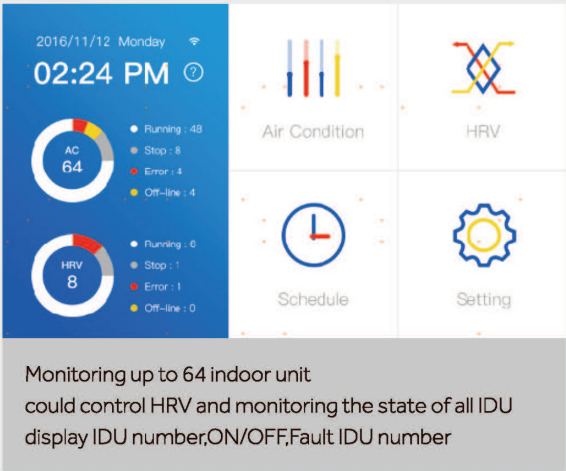
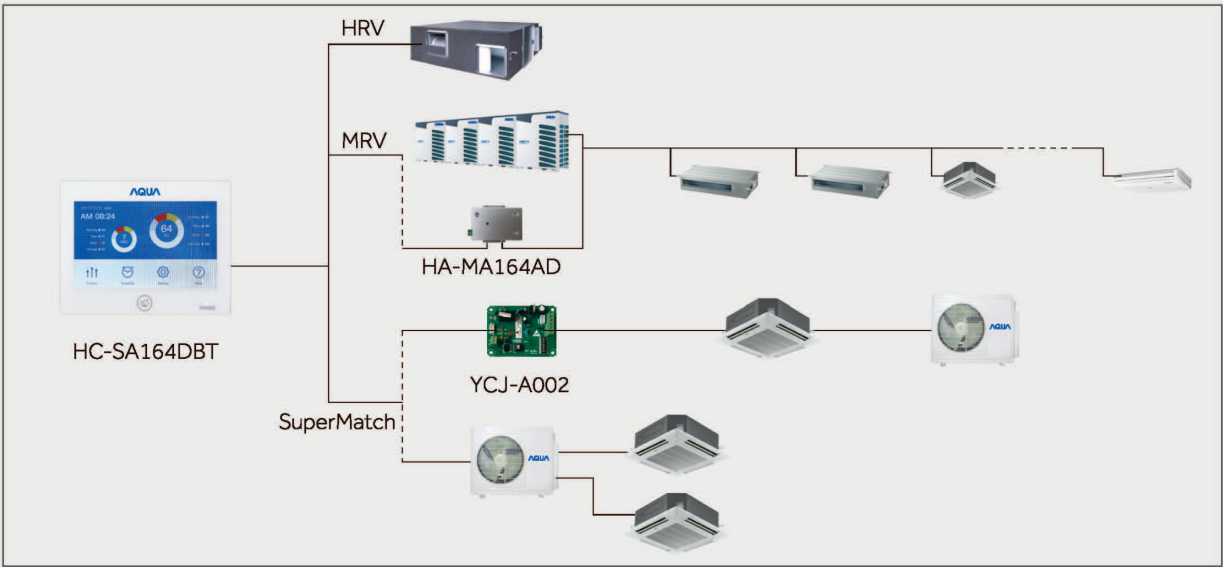
Centralized Controller

NEW

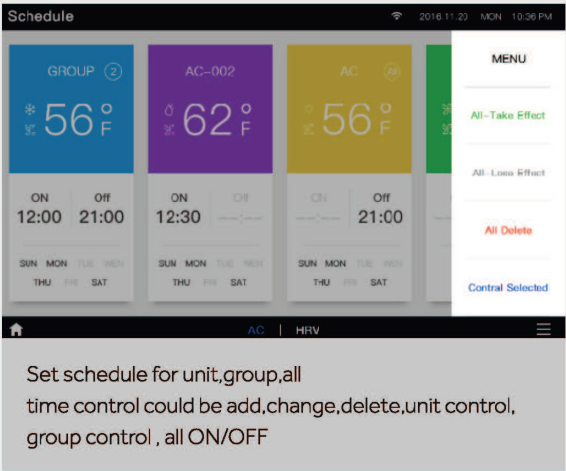


- HC-SA164DBT**
- Individual control, central control (max 64 indoor units)
 - 5-inch tft lcd touch screen with back light
 - Weekly timer
 - Indoor units' information edit
 - Historical error backup
 - Must be used in combination with a HA-MA164AD for each MRV system. (max. 32 sets)

HC-SA164DBT System

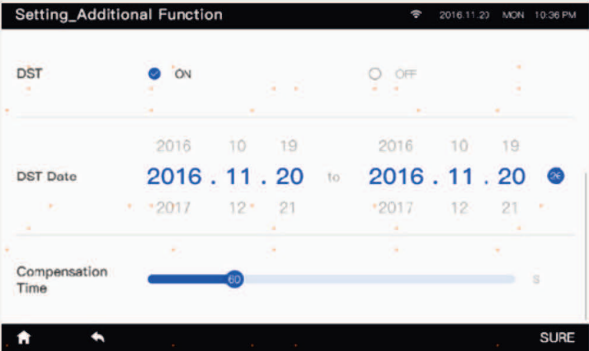


Monitoring up to 64 indoor unit could control HRV and monitoring the state of all IDU display IDU number,ON/OFF,Fault IDU number



Set schedule for unit,group,all time control could be add,change,delete,unit control, group control , all ON/OFF

Centralized Controller



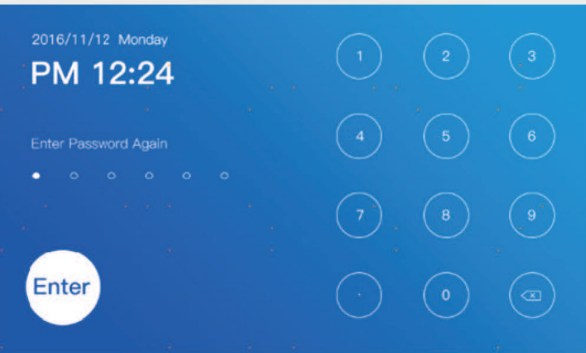
Turn ON/OFF the DST
DST schedule time setting
DST compensation setting

No.	User	AC	Temp.	Fans Speed	Trachsea Temp.	Liquid pipe Temp.	Running Time	Error
01	User001	AC-001	26°F	High	24°F	24°F	15:36:55	5
02	User001	AC-002	26°F	High	24°F	24°F	15:36:55	2
03	User001	AC-003	26°F	High	24°F	24°F	15:36:55	5
04	User001	AC-004	26°F	High	24°F	24°F	15:36:55	5
05	User001	AC-005	26°F	High	24°F	24°F	15:36:55	3
06	User001	AC-006	26°F	High	24°F	24°F	15:36:55	-
07	User001	AC-007	26°F	High	24°F	24°F	15:36:55	1
08	User001	AC-008	26°F	High	24°F	24°F	15:36:55	2
09	User001	AC-009	26°F	High	24°F	24°F	15:36:55	-

Display the detailed information
check the name, number, temperature,
running time and fault code.

Room	Mode	Temp.	Set Temp.	Fan Speed	Control	Schedule
AC-001	Cooling	56°F	66°F	High	Centralize	Yes
AC-002	Cooling	56°F	66°F	High	Centralize	Yes
AC-003	Heating	56°F	66°F	High	Centralize	No
AC-004	Cooling	56°F	66°F	Low	Centralize	No
AC-005	Cooling	56°F	66°F	High	Centralize	No
AC-006	Heating	56°F	66°F	High	Centralize	No
AC-007	Cooling	56°F	66°F	Low	Centralize	No
AC-008	Auto	56°F	66°F	High	Centralize	No
AC-009	Cooling	56°F	66°F	High	Centralize	No

Interface display mode choice: list or icon
All on, all off, control all, control select



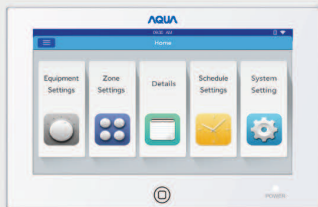
Setting password according to user demand

Centralized Controller



YCZ-G001

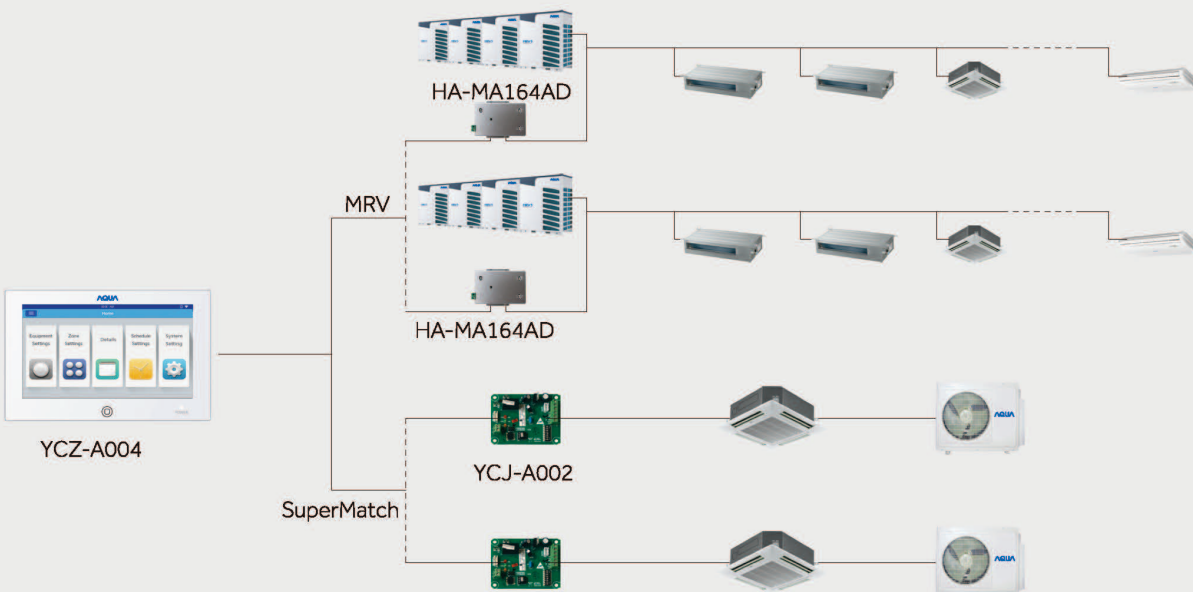
- Individual control, group control & central control (max 32 indoor units)
- Large touch key
- Weekly timer
- Unit name & group name free setting, four background available (mall, hotel, office, home)
- Error display
- Must be used in combination with a HA-MA164AD for each MRV system (max. 32 sets)



YCZ-A004

- Individual control, group control & central control (Max 256 indoor units)
- 7-inch TFT LCD touch screen with back light
- Weekly timer
- Indoor units' information edit
- Error display
- Must be used in combination with a HA-MA164AD for each MRV system. (max. 32 sets)

YCZ-A004 System



BMS

The building management modules could perfectly integrate air conditioners into the building management system, providing an excellent solution for large commercial areas.



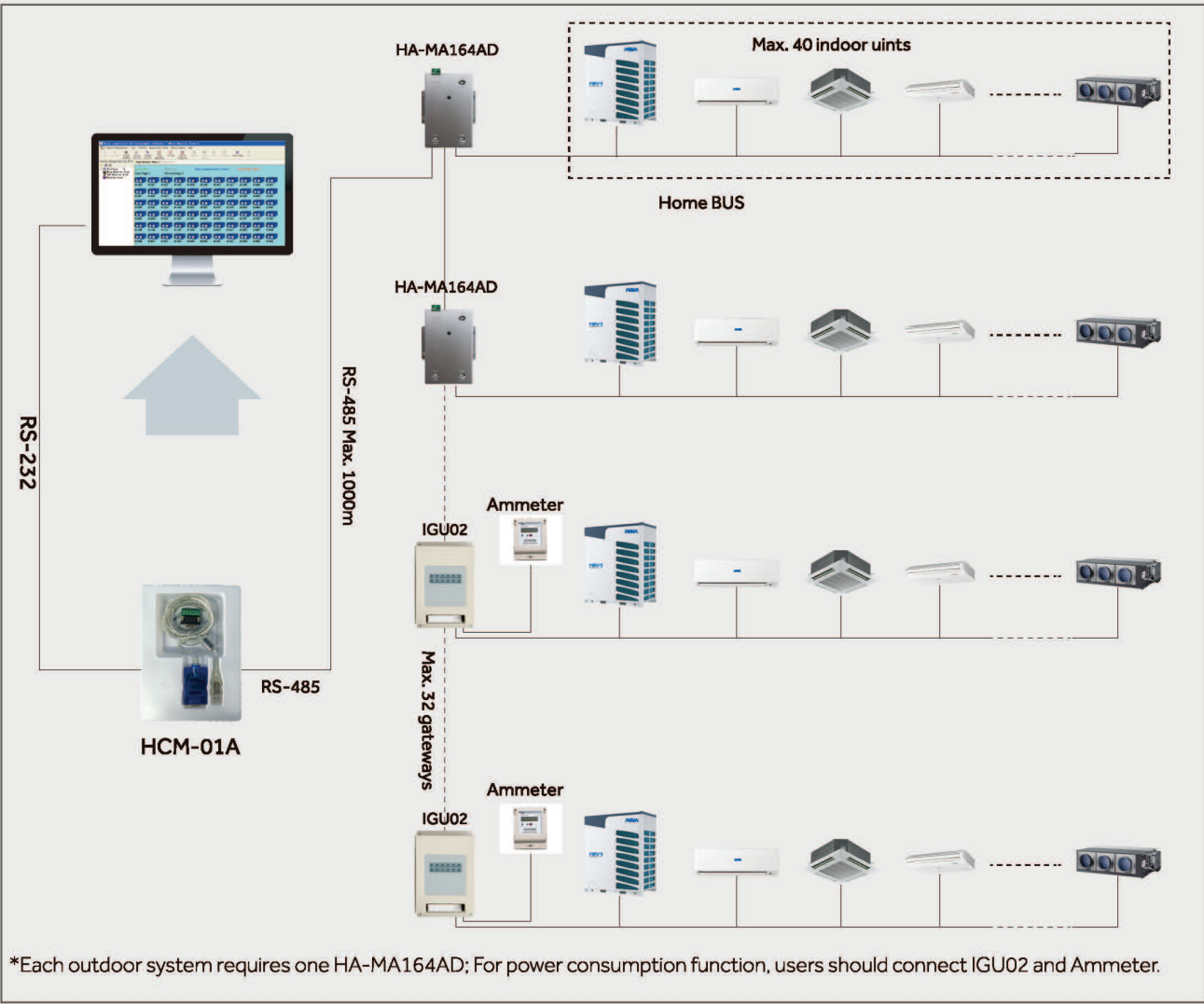
BMS

HCM-01A

- Local control version; convert USB to RS-485
- Max. 400 indoor units can be controlled
- Modbus rtu terminal
- Brand new interface design
- Win 7 32bits/64bits, Win 8 Pro , Win 10 Pro
- Max. 32 systems/ outdoor units, each system unit requires one HA-MA
- Schedule setting
- Electricity charge report



HCM-01A System



BMS

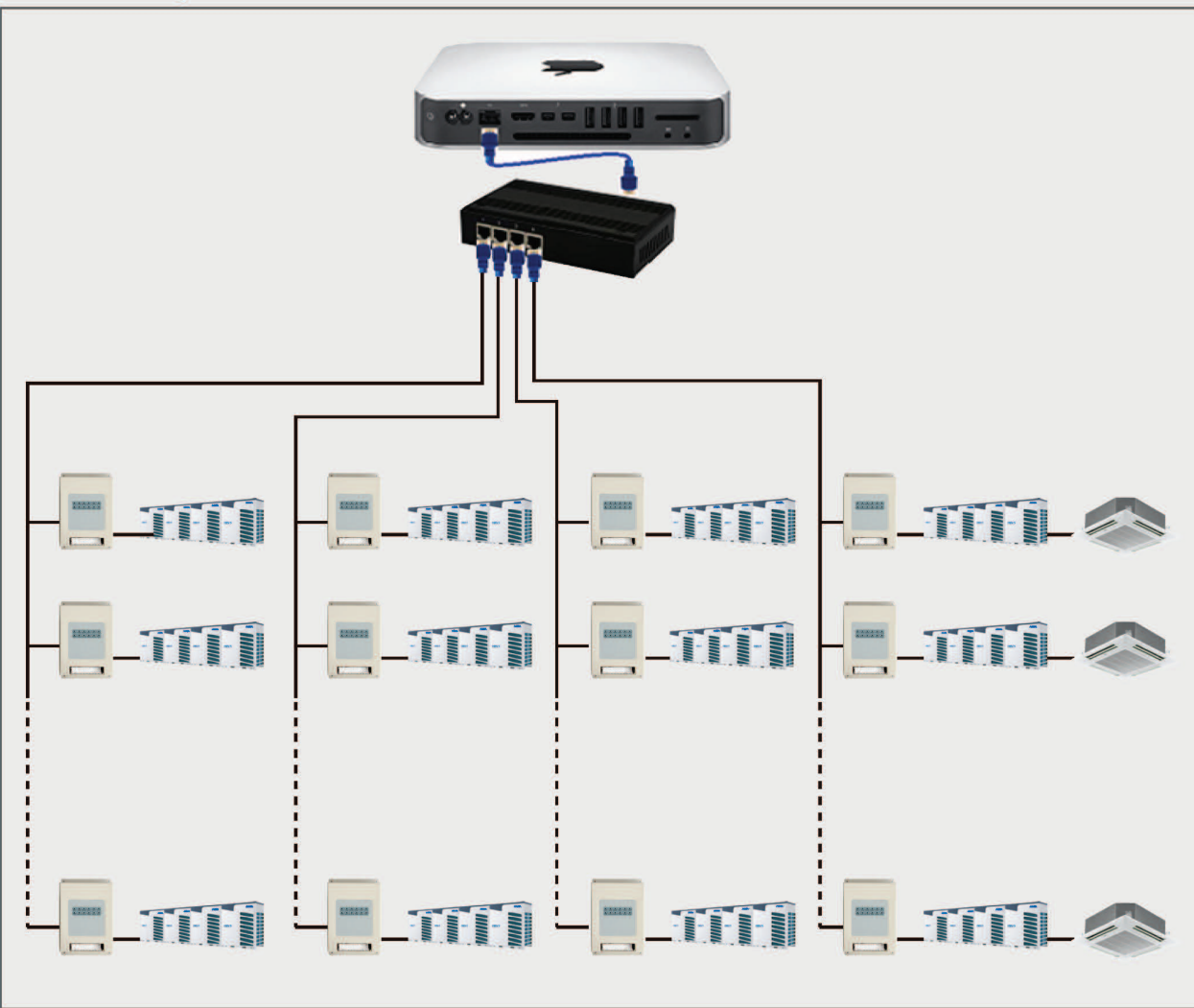
NEW

HCM-03A



- Remote monitoring version; third party interface: BACnet ip/ Modbus ip
- Max. 1500 indoor units can be controlled
- Max. 4 groups. each group can connect 20 systems. Each system requires one IGU02 /HA-MA164AD
- Operation status setting & monitoring.
- Schedule setting
- Multi user management with different authorized levels
- Operation and error history log
- Electricity charge report

HCM-03A System



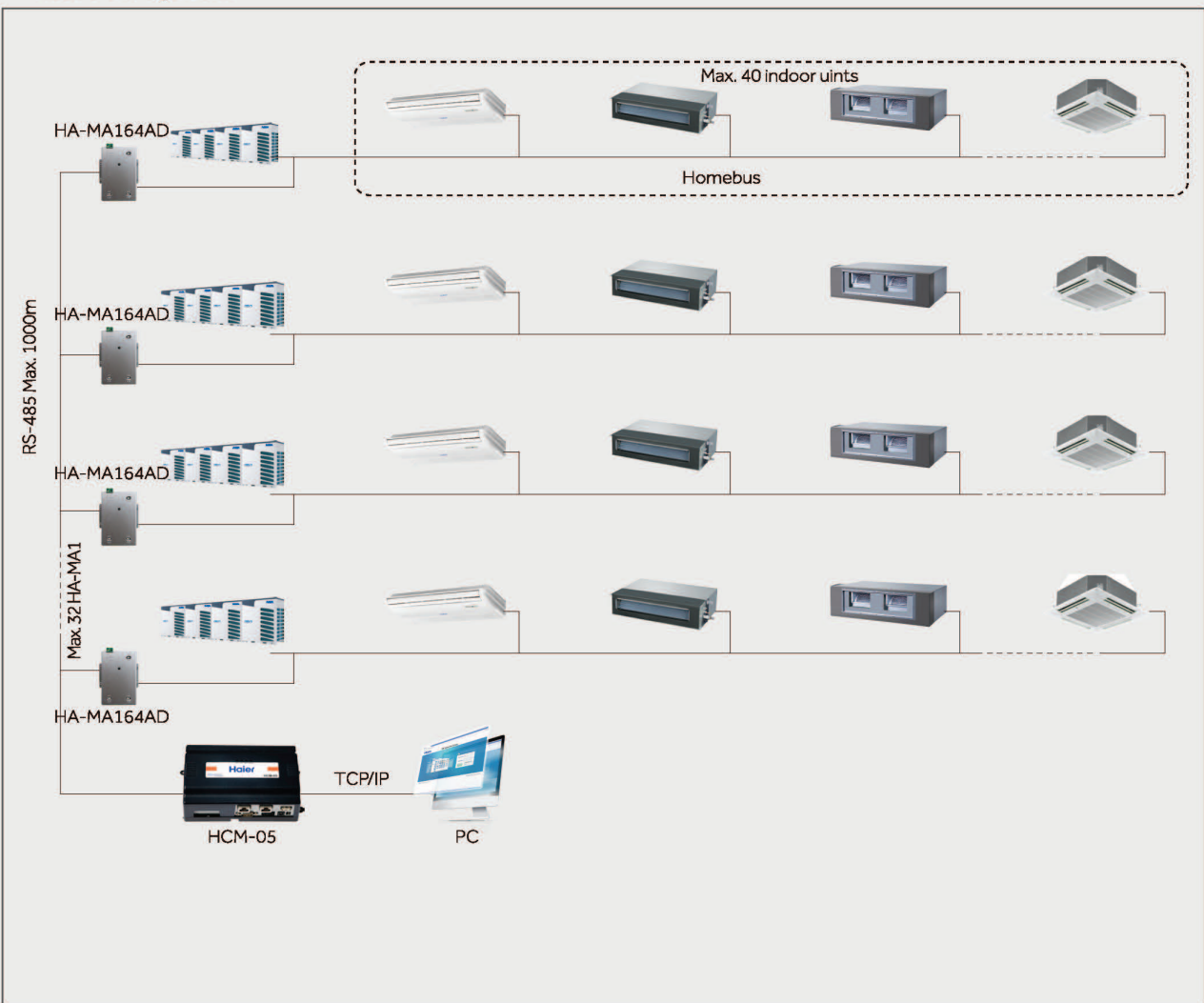
BMS

HCM-05/HCM-05A



- Remote monitoring version
- Third party interface: BACnet ip
- Max. 250 indoor units can be controlled for HCM-05; and 500 indoor units for HCM-05A
- Max. 32 systems. each system requires one IGU02/HA-MA164AD.
- Operation status setting & monitoring.
- Schedule setting
- Multi user management with different authorized levels
- Electricity charge report
- Operation and error history log
- Cooperated technology with honeywell

HCM-05 System



Adapter

The adapters offer you an easy and convenient way to integrate air conditioners into various building management system; perfect for large commercial projects.



HA-MA164AD

IGU07

HA-AC-KNX-8/16/64

Adapter



HA-MA164AD

- Protocol adapter, convert homebus to RS-485
- Gateway: modbus rtu
- Max. 64 indoor units can be connected with one HA-MA164AD
- Each MRV system requires one HA-MA164AD when connecting with centralized controller or BMS system.

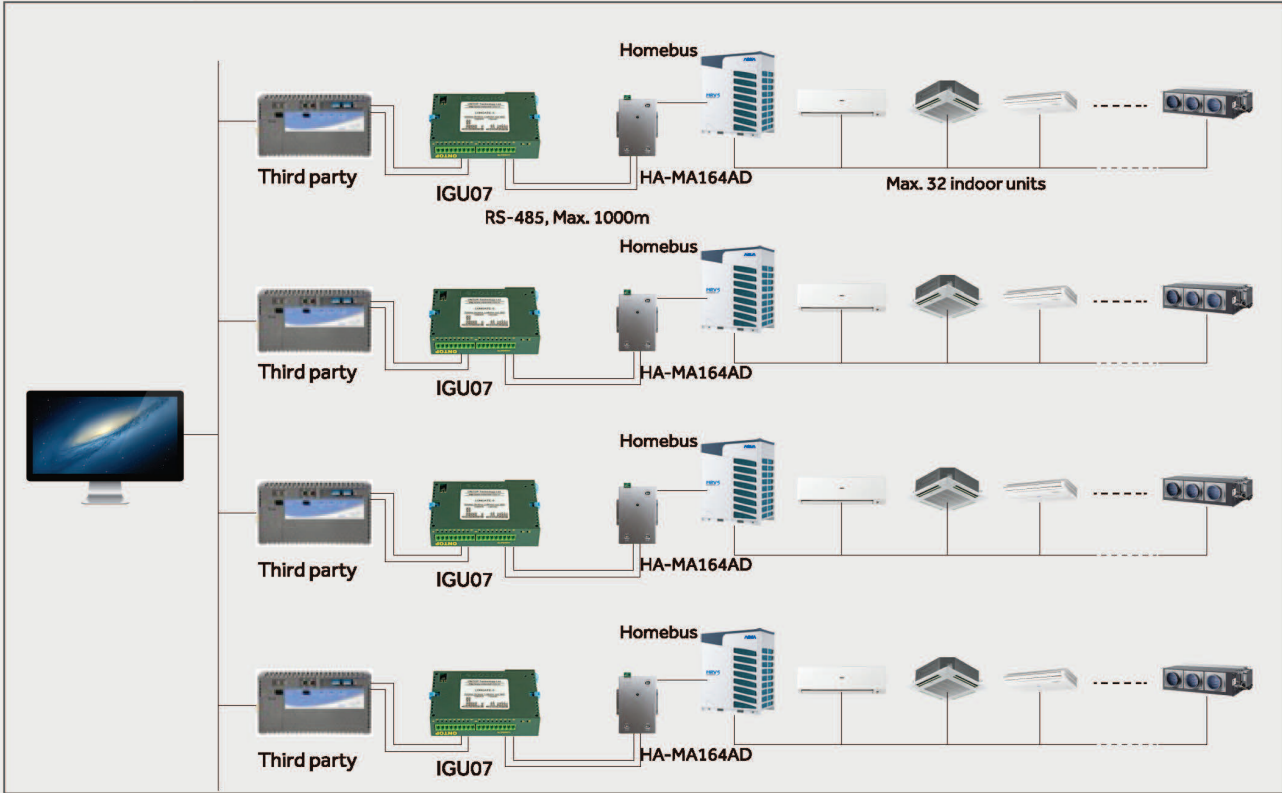
Modbus model No.	No. of I.U. controllable	Installation Method	Compatible O.U. Type
HA-MA164AD	64	Outside the O.U.	Side and Top discharge O.U.
HA-MB164AD	64	Inside the O.U.	Top discharge O.U.



IGU07

- Protocol adapter, convert modbus to lonworks
- Each system requires one IGU07+ HA-MA164AD
- Max. 32 indoor units can be connected in one system
- External 24V DC power supply is needed by IGU07

LonWorks System



Adapter



HCM-04

- BACnet gateway, convert modbus rtu to BACnet ip
- Max. 64 indoor units/ 2 systems can be controlled
- IGU02 is required for each outdoor system



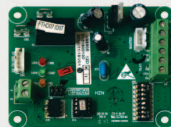
HA-AC-KNX-8/16/64

- KNX gateway
- Convert modbus to KNX
- Max. 8/ 16/ 64 indoor units can be connected in one system
- each system requires one KNX gateway+HA-MA164AD



IGU02

- Protocol adapter, convert homebus to modbus
- Match with BMS (HCM-01A,03A,05,05A). each system requires one IGU02
- Max.40 indoor units can be connected with one IGU02
- Electricity data collection, calculation, allocation and storage



YCJ-A002

- RS-485 protocol
- Double switch function
- Communicate with centralized controller or BMS
- Communicate with remote devices
- Modbus rtu port



YCJ-A003





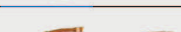
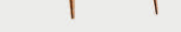
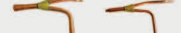
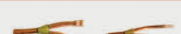
- Malfunction detector

Controllers Match Table for MRV Indoor Units

Outlook	Series	Model						
			YR-HD	YR-HBS01	HW-BA116ABK	YR-E17	YR-E16A	YR-E16B
	1-way Cassette	AB**2MAERA	▲		(under development)	(under development)	(under development)	(under development)
	2-way Cassette	AB**2MBERA	▲		▲	▲	▲	▲
	Mini 4-way Cassette	AB**2MCERA(M)		▲		▲	▲	▲
	Round Flow 4-way Cassette	AB**2MRERA		▲		▲	▲	▲
	4-way Cassette	AB**2MCERA	▲		▲	▲	▲	▲
	Convertible	AC**2MCERA	▲		▲	▲	▲	▲
	Convertible	AC**2MFERA	▲		▲	▲	▲	▲
	Low ESP Slim Duct (0/15/30Pa)	AD**2MSERA(D)	▲			▲	▲	▲
	Low ESP Slim Duct (0/30Pa)	AD**2MSERA	▲		▲	▲	▲	▲
	Low ESP Duct (0/20 Pa)	AD**2MLERA	▲		▲	▲	▲	▲
	Medium ESP Duct (50/96 Pa)	AD**2MMERA	▲		▲	▲	▲	▲
	Medium ESP Duct (50/100 Pa)	AD**2MJERA	▲		▲	▲	▲	▲
	Medium ESP Duct (80/120 Pa)	AD**2MNERA	▲		▲	▲	▲	▲
	High ESP Duct (100/196 Pa)	AD**2MHERA	▲		▲	▲	▲	▲
	High ESP Duct (0-200Pa)	AD**2MQERA	▲		▲	▲	▲	▲
	High Wall (N platform)	AS**2MNERA	▲		▲	▲	▲	▲
	High Wall (N platform)	AS**2MFERA	▲		▲	▲	▲	▲
	Console	AF**2MAERA	▲					
	Built-in Floor Standing	AE**2MLERA	▲		▲	▲	▲	▲
	Fresh Air Duct	AD**2MPERA			▲	▲	▲	▲
	HRV	ERV****ANN			▲	▲	▲	▲

▲ Controllers can match with the indoor unit

Accessories

Name	Design	Model	Functions	For what units
Gather pipe		HZG-20B	Refrigerant gathering	MRV 5, 2 outdoor units
Gather pipe		HZG-30B	Refrigerant gathering	MRV 5, 3 outdoor units
Gather pipe		HZG-20B+HZG-30B	Refrigerant gathering	MRV 5, 4 outdoor units
Manifold pipe		FQG-B335A	Refrigerant distribution for heat pump MRV	Total indoor units capacity less than 33,500W
Manifold pipe		FQG-B506A	Refrigerant distribution for heat pump MRV	Total indoor units capacity less than 50,600W, but equal or bigger than 33,500W
Manifold pipe		FQG-B730A	Refrigerant distribution for heat pump MRV	Total indoor units capacity less than 73,000W, but equal or bigger than 50,600W
Manifold pipe		FQG-B1350A	Refrigerant distribution for heat pump MRV	Total indoor units capacity less than 135,000W, but equal or bigger than 73,000W
Manifold pipe		FQG-B2040A	Refrigerant distribution for heat pump MRV	Total indoor capacity less than 204,000W but equal or bigger than 135,000W