

Features



24h Timer



Emergency Operation



Self-Diagnosis and Auto Protection Function



Dimmer



Easy Cleaning Panel and PP Filter



Anti Mildew Running



Cold Plasma Generator



Compressor Indicator



Multi-Layer Air Purifying Technology



Soft Start Kits (DC Inverter)



High Efficient Layout



I Feel



Anti-Cold Air Function



Smart Running



Super Cooling



Low Temperature Heating



Electronic Expansion Valve



Low Voltage Running



Auto Restart Function



Sleep Function



Auto Defrost



Wide-Angle Louvers



Smart Running

Outdoor Units

Connectable Indoor Units



4.6KW(2Rooms)



5.8KW(2Rooms)



7.0KW(3Rooms)



8.2KW(4Rooms)



10KW(4Rooms)



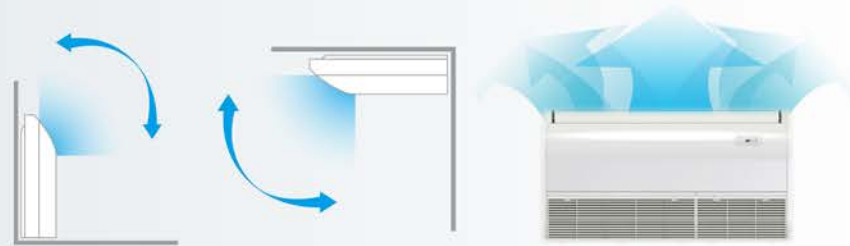
Two Types Installation

Fashionable design and streamlined appearance. Huge air outlet with an integrative large louver. High air volume and low noise.



New Fashionably
Designed Appearance

3D Air Flow Provides You More Comfort



18000 Btu/h
24000 Btu/h



36000 Btu/h



48000 Btu/h
60000 Btu/h

Model		AUV-18UR4SSA2	AUV-24UR4SFA1	AUV-36UR4S1AB	AUV-48UR6SPC	AUV-60UR6SPC
Indoor model		AUV-18UR4SA2	AUV-24UR4S1A	AUV-36UR4S1B	AUV-48UR4SC	AUV-60UR4SC
Outdoor model		AUW-18U4SS	AUW-24U4SF1	AUW-36U4S1A	AUW-48U6SP	AUW-60U6SP
Cooling	Capacity	W	5200	7200	10200	12600
	Input	W	1680	2392	3290	3925
	EER	W/W	3.10	3.01	3.10	3.21
Heating	Capacity	W	6200	8500	12000	15000
	Input	W	1717	2355	3324	4121
	COP	W/W	3.61	3.61	3.61	3.64
Indoor air flow Rated(Hi/ Med/ Lo)	m ³ /h	800	1100	1600	2000	2000
Indoor noise level (Hi)	dB(A)	43	52	53	53	53
Indoor unit	Dimension (W x D x H)	mm	990 x 680 x 230	990 x 680 x 235	1285 x 680 x 230	1580 x 680 x 230
	Packing(W x D x H)	mm	1100 x 820 x 350	1100 x 820 x 350	1400 x 820 x 350	1690 x 820 x 350
	Net/ Gross weight	kg	30 / 35	30 / 35	37 / 44	47 / 54
Compressor	Model	ATN150D42UFZ	ATF235D43UMT	ATL253UDPC9AUL	TNB306FPNMC	LNB42FSAMC
	Type	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand	GMCC	GMCC	HITACHI	mitsubishi	mitsubishi
Outdoor noise level (sound pressure)	dB(A)	50	56	60	60	60
Outdoor unit	Dimension(W x D x H)	mm	810 x 584 x 281	860 x 670 x 310	950 x 840 x 340	950 x 1386 x 340
	Packing(W x D x H)	mm	940 x 420 x 640	990 x 450 x 730	1110 x 980 x 460	1110 x 1527 x 460
	Net/ Gross weight	kg	36 / 40	51 / 57	70 / 74	101 / 107
Refrigerant type/Quantity	Type	R410A	R410A	R410A	R410A	R410A
	Charged volume	kg	1.24	1.70	2.10	3.00
Refrigerant piping	Liquid side/ Gas side	inch	1/4' 1/2'	3/8' 5/8'	3/8' 3/4'	3/8' 3/4'
	Max. pipe length	m	30	30	30	50
	Max. difference in level	m	15	15	15	30
Ambient temperature	Cooling	°C	15-43	15-43	15-43	15-43
	Heating	°C	-10 - 24	-10 - 24	-10 - 24	-10 - 24
Qty/per 20' / 40' / 40'HQ		50/ 105/ 120	40/ 85/ 95	33/ 67/ 74	22/47/ 50	22/ 47/ 50

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement.
2. The values given in the table for noise level reflect the levels in anechoic chamber.



16000 Btu/h 20000 Btu/h 24000 Btu/h 28000 Btu/h 36000 Btu/h

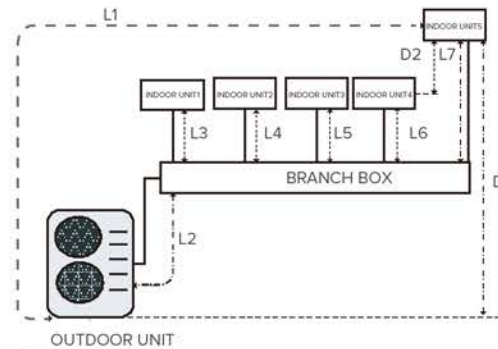
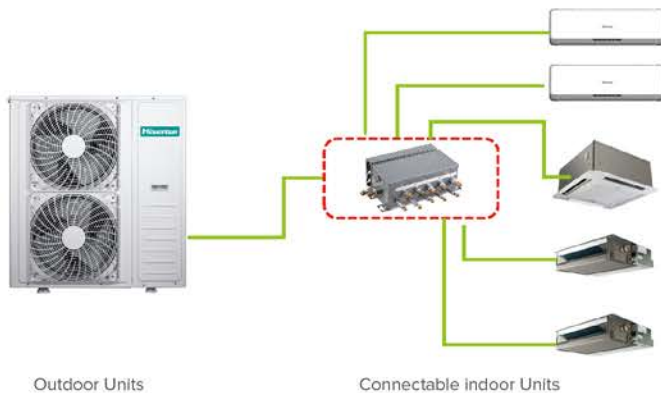
Type(Free Match)		Up to 2 indoor units	Up to 2 indoor units	Up to 3 indoor units	Up to 3 indoor units	Up to 4 indoor units	Up to 4 indoor units	Up to 4 indoor units
Model Name		AMW2-16U4SGD1	AMW2-20U4SZD1	AMW3-20U4SZD1	AMW3-24U4SAD1	AMW4-28U4SAD1	AMW4-36U4SAD1	AMW4-36U6SAD1
Gas		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Performance								
Pdesign Cooling	kW	4.6	5.8	6	7	8.2	10	10
Pdesign Heating Average	kW	4.4	5.1	6.1	7.5	8.3	9	9
Capacity	Cooling	4.6 (1.4~5.2)	5.8 (1.6~6.4)	6.0 (2.0~7.5)	7.0 (2.4~8.0)	8.2 (2.9~9.0)	10.0 (3.0~11)	10.0 (3.0~11)
	Heating	5.3 (1.35~6.4)	6.4 (1.5~7.0)	7.0 (1.5~8.5)	8.4 (2.1~9.2)	9.0 (2.5~10.0)	11 (3.0~12)	11 (3.0~12)
	Btu/h	15695 (4777~17742)	19790 (5459~21837)	20472 (6824~25590)	23880 (8180~27296)	27978 (9894~30708)	34120 (10236~37532)	34120 (10236~37532)
	kW	5.3 (1.35~6.4)	6.4 (1.5~7.0)	7.0 (1.5~8.5)	8.4 (2.1~9.2)	9.0 (2.5~10.0)	11 (3.0~12)	11 (3.0~12)
	Btu/h	18083 (4606~21837)	21837 (5118~23884)	23884 (5118~29002)	28660 (7165~31390)	30708 (8530~34120)	37532 (10236~40944)	37532 (10236~40944)
Air flow	m ³ /h	2400	3000	3000	4500	4500	4800	4850
SEER		6.8	6.81	6.8	7.1	7.2	7.2	7.2
SCOP		4.08	4.05	4.05	4.1	4.1	4.01	4.01
EER	W/W	3.29	3.41	3.35	3.89	3.73	3.35	3.23
COP	W/W	4.08	3.66	3.70	3.82	4.09	3.65	3.93
EEL Rank	Cooling	A++	A++	A++	A++	A++	A++	A++
	Heating	A+	A+	A+	A+	A+	A+	A+
Noise Level (Sound Power)	dB(A) (Max)	64	64	68	68	68	68	68
Noise Level (Sound pressure)	dB(A) (Max)	56	56	57	59	59	59	59
Guaranteed Operating Range	Cooling	°C	-15~43	-15~43	-15~43	-15~43	-15~43	-15~48
	Heating	°C	-10~24	-10~24	-10~24	-10~24	-10~24	-10~24
Dimension & Weight								
Net Dimension (W × H × D)	mm	800 × 560 × 260	980 × 640 × 350	980 × 640 × 350	950 × 840 × 340	950 × 840 × 340	950 × 840 × 340	950 × 840 × 340
Net Weight	kg	36.5	46.5	53	66	67	67	67
Package Dimension (W × H × D)	mm	950 × 650 × 370	1050 × 700 × 400	1050 × 700 × 400	1110 × 980 × 460	1110 × 980 × 460	1110 × 980 × 460	1110 × 980 × 460
Gross Weight	kg	40	52.5	57	76	77	77	79
Technical Information								
Piping	Diameter (Liquid)	mm	6.35 × 2	6.35 × 2	6.35 × 3	6.35 × 2	6.35 × 4	6.35 × 4
	Diameter (Gas)	mm	9.52 × 2	9.52 × 2	9.52 × 3	9.52 × 3	9.52 × 4	9.52 × 4
	Max Length (Each)	m	20	20	25	25	25	25
	Max Length (Total)	m	40	40	70	70	70	70
	Max Height	m	15	15	15	15	15	15
Upload refrigerant	g	1270	1400	1750	2200	2600	2600	2600
Upload additional refrigerant	g/m	15g/m over 15m	15g/m over 15m	15g/m over 20m	15g/m over 20m	15g/m over 20m	15g/m over 20m	15g/m over 20m

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2. The values given in the table for noise level reflect the levels in anechoic chamber.

Outdoor Units		3 to 5 indoor units		3 to 5 indoor units		3 to 5 indoor units	
Model Name		AMW-42U4SE		AMW-48U6SP		AMW-60U6SP	
Gas		R410A		R410A		R410A	
Upload refrigerant		g		2600		3850	
Performance							
Capacity	Cooling	kW	12.5 (3.8~13.5)	14 (4.8~17)	16 (4.8~18)		
		Btu/h	42650 (12966~46062)	47768 (16377~58004)	54592 (16377~61416)		
	Heating	kW	14.5 (3.8~15.0)	16 (4.8~18)	18 (4.8~19)		
		Btu/h	49474 (12966~51180)	54592 (16377~61416)	61416 (16377~64828)		
Air flow		m ³ /h	5500	6000	6000		
EER		W/W	3.21	3.41	2.81		
COP		W/W	3.62	3.51	3.46		
EEL Rank	Cooling		A	A	A		
	Heating		A	A	A		
Noise Level (Sound Pressure)		dB(A) (Max)	60	60	60		
Guaranteed Operating Range	Cooling	C	7~43	7~45	7~45		
	Heating	C	-10~24	-10~24	-10~24		
Compressor model	Model		TNB306FPGMC	LNB42FSAMC	LNB42FSAMC		
	Brand		Mitsubishi	Mitsubishi	Mitsubishi		
Electrical Data							
Power		V/Hz/f	220~240/50/1	380V-415V 3N~/50Hz	380V-415V 3N~/50Hz		
Power input	Cooling	kW	3.9 (1.0~5.1)	4.45 (1.4~6.5)	5.74 (1.4~7)		
	Heating	kW	4.0 (0.95~5.0)	4.6 (1.35~6)	5.435 (1.35~6.5)		
Rated current	Cooling	A	18.0	8.5	11		
	Heating	A	18.0	8.8	10.5		
Anti electric shock			Class I	Class I	Class I		
Degrees of protection			IPX4	IPX4	IPX4		
Dimension & Weight							
Net Dimension (W x H x D)		mm	950 x 1050 x 340	950 x 1386 x 340	950 x 1386 x 340		
Net Weight		kg	82	108	108		
Package Dimension (W x H x D)		mm	1110 x 1200 x 460	1110 x 1530 x 460	1110 x 1530 x 460		
Gross Weight		kg	96	112	112		

BRANCH BOX			
Model Name		F15E(E)	
Gas		R410A	
Electrical Data			
Power Supply		220V-240V~/50Hz /IP	
Power Input	kW	0.003	
Current	A	0.05	
Anti electric shock		Class I	
Degrees of protection		IPX4	
Pressure(Max.)	MPa	4.15	
Dimension & Weight			
Net Dimension (W x H x D)	mm	400 x 265 x 160	
Net Weight	Kg	7.4	
Package Dimension (W x H x D)	mm	615 x 430 x 230	
Gross Weight	Kg	10	
Connecting Pipe Information			
BRANCH BOX	Outer Diameter of Pipe		
	Gas (mm)	Liquid (mm)	
To Outdoor Unit		15.88	9.52
To Indoor Unit A		9.52	6.35
To Indoor Unit B		9.52	6.35
To Indoor Unit C		9.52	6.35
To Indoor Unit D		9.52	6.35
To Indoor Unit E		12.7	6.35

Branch Box Series



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Max.High Distance	High Distance between Outdoor and Indoor Unit	Outdoor is Higher than Indoor Unit	D1 < 30m
		Indoor is Higher than Outdoor Unit	D1 < 20m
Max.Pipe Length	Max.High Distance between Indoor and Indoor		D2 < 8m
	Max.L length between Indoor and outdoor		L1 < 40m
	Max.L length between branch valve box and outdoor		L2 < 30m
	Max.L length between branch valve box and indoor		L7 < 20m
	Total Pipe length		L2+L3+L4+L5+L6+L7 < 100m
	Total refrigerant charge: TOTAL WEIGHT < 2.0kg (calculated in the following formula. If the calculated additional coolant amount more than 2.0kg, should reduce the length of the pipe line.)		
Refrigerant Additional Charge			
The unit has been filled with refrigerant, but if need additional charge, please according to the connecting pipe diameter and pipe length additional charge refrigerant. Refrigerant type is R410A, additional charge is calculated as follows:			
Calculate charge refrigerant quantity by liquid pipe length, charge it to refrigerant cycle.			
$W1(kg) = L2 \times 0.050$			
$W2(kg) = (L3+L4+L5+L6+L7) \times 0.015$			
Additional refrigerant charge $W = W1 + W2$			