

Features



24h Timer

Emergency
OperationSelf-Diagnosis and Auto
Protection Function

Dimmer

Easy Cleaning
Panel and PP FilterAnti Mildew
RunningCold Plasma
GeneratorCompressor
IndicatorMulti-Layer Air
Purifying
TechnologySoft Start Kits
(DC Inverter)High Efficient
Layout

I Feel

Anti-Cold Air
Function

Smart Running



Super Cooling

Low Temperature
HeatingElectronic
Expansion ValveLow Voltage
RunningAuto 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)



Optional Static Pressure

18k: optional 10Pa & 30Pa static pressure, each unit can be installed in two ways.
 10Pa: Straight Air Flow without external duct
 30Pa: External duct placed on air discharge
 Two installation methods by changing wiring connection.
 Note: Default factory settings set to 10pa.



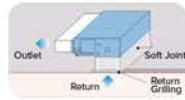
Front air flow,
back air intake



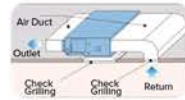
Front air flow,
back air intake

2 Ways of Air Intake

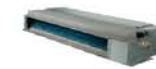
If the distance between the unit and wall is limited, you can choose the bottom air intake by tearing down the bottom board unit for ease and more flexibility.
 Note: The bottom air intake is 5dB higher than the back air intake, so it's recommended to use the latter.



Bottom air intake



Back air intake



18000 Btu/h



24000 Btu/h

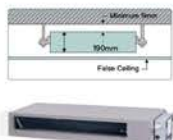


36000 Btu/h
48000 Btu/h
60000 Btu/h

Slim Design



At a height of 190mm, this unit can be installed inside low ceiling residential buildings.



Built-in Drain Pan



Built-in Drain Pan



Outside Drain Pan

Disadvantage of outside drain pan: Dust and bacteria may easily accumulate in the pan, which may cause leakage in long term use.
 Hisense built-in drain pan design: will be clean and durable.

Water Level Switch & Water Pump

If the water pump faces up with an issue that may cause water level to rise to a certain level, the unit will turn it off and release the water.



Water Pump is optional for duct type unit

Safety Protection

Ensure that the compressor operates in the safe range, and prevent damage caused by refrigerant leakage.



Low pressure switch High pressure switch



Model		AUD-18UX4SSKL2	AUD-24UX4SFL1	AUD-36UX4S1AHL	AUD-48UX6SPHH	AUD-60UX6SPHH
Indoor model		AUD-18UX4SKL2	AUD-24UX4SLL1	AUD-36UX4SHL	AUD-48UX4SHH	AUD-60UX4SHH
Outdoor model		AUW-18U4SS	AUW-24U4SF1	AUW-36U4S1A	AUW-48U6SP	AUW-60U6SP
Cooling	Capacity	W 5200	7200	9800	12600	17000
	Input	W 1730	2243	3500	4100	5296
	EER	W/W 3.01	3.21	2.80	3.21	3.21
Heating	Capacity	W 6000	8500	11000	15000	20500
	Input	W 1760	2355	3047	4155	5920
	COP	W/W 3.41	3.61	3.61	3.61	3.63
Indoor air flow Rated(Hi/ Med/ Lo)	m3/h	900	1100	1800	2000	2000
ESP	Rated	Pa 10	35	50	80	80
	Range	Pa 10-30	0-80	0-80	80/ 120	80/ 120
Indoor noise level (Hi)	dB(A)	39	49	52	53	53
Indoor unit	Dimension (W x H x D)	mm 1170 x 190 x 447	900 x 270 x 720	1300 x 350 x 800	1386 x 350 x 800	1386 x 350 x 800
	Packing(W x H x D)	mm 1340 x 236 x 580	1170 x 870 x 340	1550 x 410 x 940	1550 x 410 x 940	1550 x 410 x 940
	Net/ Gross weight	kg 24/ 28	32/37	54/ 62	50/58	50/ 58
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 H x D)	mm 810 x 584 x 281	860 x 670 x 310	950 x 840 x 340	950 x 1386 x 340	950 x 1386 x 340
	Packing(W x H x D)	mm 940 x 420 x 640	990 x 450 x 730	1110 x 980 x 460	1110 x 1527 x 460	1110 x 1527 x 460
	Net/ Gross weight	kg 36/ 40	51/ 57	70/ 74	101/ 107	108/ 112
Refrigerant piping	Liquid side/ Gas side	inch 1/ 4' 1/ 2'	3/ 8' 5/ 8'	3/ 8' 3/ 4'	3/ 8' 3/ 4'	3/ 8' 3/ 4'
	Max. pipe length	m 30	30	30	50	50
	Max. difference in level	m 15	15	15	30	30
Ambient temperature	Cooling	°C 15-43	15-43	15-43	15-43	15-43
	Heating	°C -10 - 24	-10 - 24	-10 - 24	-10 - 24	-10 - 24
Qty/per 20' / 40' / 40'HQ		70/ 145/1 68	42/ 90/ 95	23/ 50/ 56	19/ 40/ 42	19/ 40/ 42

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

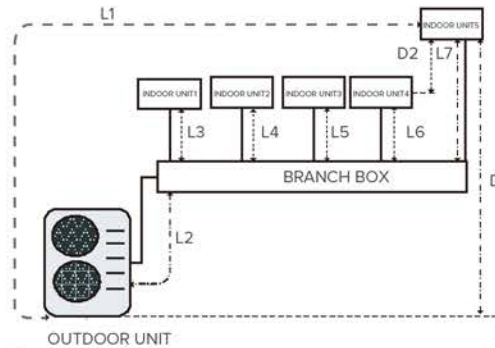
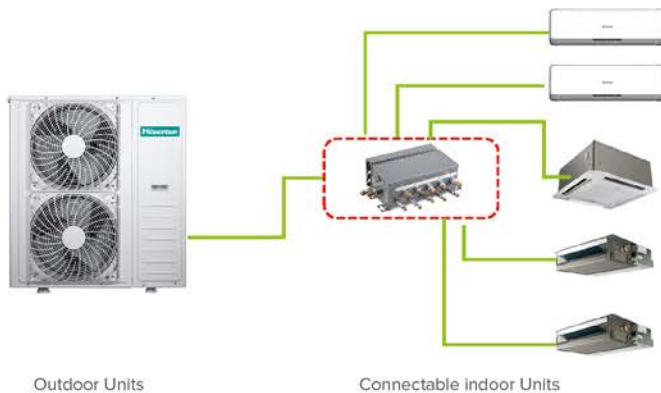
Type(Free Match)		Up to 2 indoor units	Up to 2 indoor units	Up to 3 indoor units	Up to 3 indoor units	Up to 4 indoor units	Up to 4 indoor units	Up to 4 indoor units
Model Name		AMW2-16U4SGD1	AMW2-20U4SZD1	AMW3-20U4SZD1	AMW3-24U4SAD1	AMW4-28U4SAD1	AMW4-36U4SAD1	AMW4-36U6SAD1
Gas		R410A	R410A	R410A	R410A	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)
		Btu/ h	15695 (4777~17742)	19790 (5459~21837)	20472 (6824~25590)	27978 (9894~30708)	34120 (10236~37532)	34120 (10236~37532)
	Heating	kW	5.3 (1.35~6.4)	6.4 (1.5~7.0)	7.0 (1.5~8.5)	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)
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	℃	-15~43	-15~43	-15~43	-15~43	-15~43	-15~48
	Heating	℃	-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

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.

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		m3/ 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 × 1050 × 340		950 × 1386 × 340		950 × 1386 × 340	
Net Weight		kg	82		108		108	
Package Dimension (W x H x D)		mm	1110 × 1200 × 460		1110 × 1530 × 460		1110 × 1530 × 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	
Current							A	
Anti electric shock							Class I	
Degrees of protection							IPX4	
Pressure(Max.)							MPa	
Dimension & Weight								
Net Dimension (W x H x D)							mm	
Net Weight							Kg	
Package Dimension (W x H x D)							mm	
Gross Weight							Kg	
Connecting Pipe Information								
BRANCH BOX							Outer Diameter of Pipe	
							Gas (mm)	
							Liquid (mm)	
To Outdoor Unit							15.88	
To Indoor Unit A							9.52	
To Indoor Unit B							9.52	
To Indoor Unit C							9.52	
To Indoor Unit D							9.52	
To Indoor Unit E							12.7	

Branch Box Series



Remarks:

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

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.High Distance between Indoor and Indoor		D2<8m
	Max.Length between Indoor and outdoor		L1<40m
	Max.Length between branch valve box and outdoor		L2<30m
Max.Pipe Length	Max.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. Re-frigerant type is R410A, additional charge is calculated as follows:			
Calculate charge refrigerant quantity by liquid pipe length,charge it to refrigerant cycle.			
W1(kg) = L2×0.050			
W2(kg) = (L3+L4+L5+L6+L7)×0.015			
Additional refrigerant chargeW= W1 + W2			