

# HI-MULTI R410A XTREME 24K, 22 SEER2, -25C, 230V

**Hisense**  
COMFORT

Submittal Data: ODU: AMW3-24U3SAA  
3 Port 24,000 BTU/H, Wall-Mounted Heat Pump System

Job Name:	Location:		
Purchaser:	Submitted by:		
Submitted to:	Reference:	Approval:	Construction:
Engineer:	Date:	Application:	

**Key Features:**

- 1: Energy-Star qualified + Xtreme Heat, 100% Heating at 5°F.
- 2: NEEP Listed with ducted and ductless configurations.
- 3: Compact cabinet design is lightweight for easier moving.
- 4: Long refrigerant line set runs
- 5: Anti corrosion heat exchanger for Hassle-free operation.
- 6: Outdoor condenser base pan electric heater .
- 7: Tested and Rated to AHRI 210/240-2023.
- 8: Pair with high wall ductless, ceiling cassette and slim ducted indoor units.
- 9: Intelligent defrost & Auto Restart in power loss
- 10: Optional wired room controller.

Minimum of two Indoor Units must be connected to the AMW3-24U3SAA.

Total connected capacity must not exceed 130% of outdoor unit capacity

Contact your local Hisense Partner for complete list of accessories



Performance & Efficiency			Ducted IDUs	Non-Ducted IDUs	Mixed IDUs
Cooling at 95°F	Rated Cooling Capacity	Btu/h	24,000	24,000	24,000
	Cooling Capacity (Min-Max)	Btu/h	8,000 - 32,000		
	Rated Input-Cooling	Kw	1.98	1.92	1.95
	SEER2	Btu/w	21	22	21.5
	EER2	Btu/w	12.1	12.5	12.3
Heating at 47°F	Rated Heating Capacity	Btu/h	24,600	24,000	24,200
	Heating Capacity		5,200 - 32,000		
	Rated Input-Heating	Kw	1.95	1.92	1.94
	HSPF2	Btu/w	7.4	7.5	7.5
	COP (47F)		3.7	3.7	3.7
Heating at -8.3 °C (17°F AHRI)	Rated Heating Capacity	Btu/h	14,600	15,000	14,800
	Max Heating Capacity	Btu/h	25,932	26,000	25,800
Heating at -15 °C (5 °F)	Rated Heating Capacity	Btu/h	24,000	24,000	24,000
	Max Heating Capacity	Btu/h	24,000	24,000	24,000
Heating at -20 °C (-13 °F)	Max Heating Capacity	Btu/h	16,655	16,800	16,858

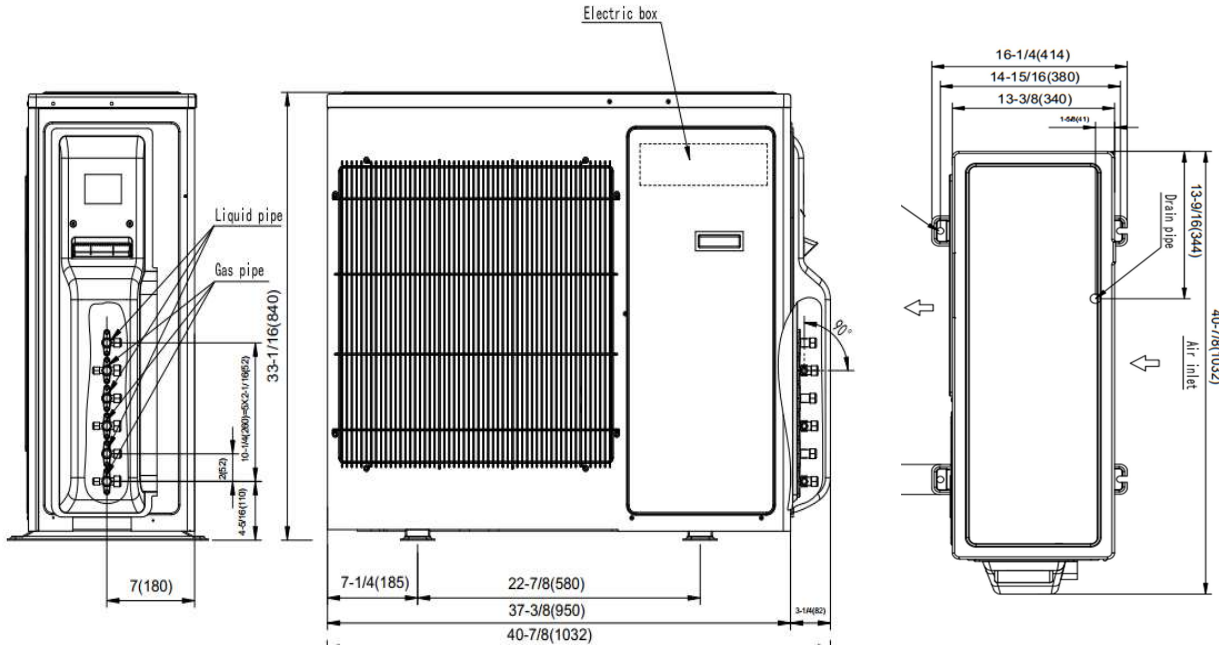
Outdoor Operating Temperature Range:		
Working Temperature Range - Cooling	(°C/°F)	-10°C-46°C (14°F - 115°F)
Working Temperature Range - Heating	(°C/°F)	-25°C-24°C (-13°F-75°F)

Electrical:		
Power Supply		208 - 230v/1Ph/60Hz
Required Voltage Range	VAC	187 - 253
Min.Circuit Ampacity	A	25
Max Fuse Size/Fusable Max.	A	30
Rated Current	Cooling (A)	8.7
	Heating (A)	8.7

Outdoor Unit Specifications:		
Refrigerant Type		R410A
Refrigerant charge volume	g/oz	2300/81.13
Refrigerant pre-charge	ft.	74
Additional charge per ft. over pre-charge length	oz	0.161
Liquid Pipe - 3 Ports	in.	1/4
Gas Pipe - 3 Ports	in.	3/8
Maximum Piping Length for all rooms	ft.	197
Maximum Piping Length for one indoor unit	ft.	66
Maximum height difference between indoor and outdoor unit	ft.	49
Maximum height difference between indoor units	ft.	33
Fan Motor Output	W	121
Fan Motor Speed (H/M/L)	RPM	850 / 540 / 200
Sound pressure	dB (A)	59
Net Dimensions WxHxD	mm	950 × 840 × 340
	in.	37-3/8 × 33-1/8 × 13-3/8
Package Dimensions WxHxD	mm	1110 × 920 × 460
	in.	43-3/4 × 36-1/4 × 18-1/8
Net/Gross Weight	kg	72/77
	lbs.	158.7/169.5

Accessories Model No. YXE-C01U1	Description: Wired Controller (Optional)
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**Outdoor Unit Outline and Dimensions:**



**Indoor Unit Free-Match Model Numbers (Follow capacity chart and installation manuals for sizing)**

Ceiling Cassette	ACT-09UR3SCA	Slim Ducted	ADT-09UX3SBL
	ACT-12UR3SCA		ADT-12UX3SBL
	ACT-18UR3SGB		ADT-18UX3SCL



High Wall DL - Silver Bar	AST-07UW3SVE**01	High Wall TE - Finger Guard	AST-09UW3SVG**01B
	AST-09UW3SVE**01		AST-12UW3SXG**01B
	AST-12UW3SXE**01		AST-18UW3SBN**00B
	AST-18UW3SBB**00		



Combination Table:

AMW3-24U3SAA														
Model	Combination of Indoor Units	Cooling Capacity										(A)	SEER	EER
		A	B	C	Total Capacity (Btu/h)			Power Input(W)						
		Btu/h	Btu/h	Btu/h	NOM	MIN	MAX	NOM	MIN	MAX	WW			
Split Indoor	07+18	7000	16000		23000	7400	27500	1905	420	2640	8.7	19.00	3.54	
	09+18	8500	15000		23500	7600	28600	1920	420	2640	8.7	19.00	3.59	
	12+12	10000	10000		20000	7600	28600	1915	400	2640	8.7	18.00	3.06	
	12+18	9500	14500		24000	7800	29500	1920	420	2640	8.7	19.00	3.66	
	18+18	12000	12000		24000	8000	30200	1940	440	2640	8.8	20.00	3.62	
	07+07+07	7100	7100	7100	21300	8000	29000	1895	420	2640	8.6	22.00	3.29	
	07+07+09	7100	7100	8900	23100	8000	29500	1895	420	2640	8.6	22.00	3.57	
	07+07+12	7000	7000	10000	24000	8000	30200	1920	420	2640	8.7	22.00	3.66	
	07+07+18	6100	6100	11800	24000	8000	30200	1920	440	2640	8.7	22.00	3.66	
	07+09+09	7000	8500	8500	24000	8000	30200	1920	420	2640	8.7	22.00	3.66	
	07+09+12	6400	7900	9700	24000	8000	30200	1920	420	2640	8.7	22.00	3.66	
	07+09+18	5500	6900	11600	24000	8000	30200	1920	440	2640	8.7	22.00	3.66	
	07+12+12	6000	9000	9000	24000	8000	30200	1920	420	2640	8.7	22.00	3.66	
	07+12+18	5500	7500	11000	24000	8000	30200	1920	440	2640	8.7	22.00	3.66	
	09+09+09	8000	8000	8000	24000	8000	30200	1920	420	2640	8.7	22.00	3.66	
	09+09+12	7400	7400	9200	24000	8000	30200	1920	420	2640	8.7	22.00	3.66	
	09+09+18	6200	6200	11600	24000	8000	30200	1920	440	2640	8.7	22.00	3.66	
	09+12+12	7000	8500	8500	24000	8000	30200	1920	420	2640	8.7	22.00	3.66	
12+12+12	8000	8000	8000	24000	8000	30200	1920	420	2640	8.7	22.00	3.66		
Model	Combination of Indoor Units	Heating Capacity										(A)	SCOP	COP
		A	B	C	Total Capacity (Btu/h)			Power Input(Btu/h)						
		Btu/h	Btu/h	Btu/h	NOM	MIN	MAX	NOM	MIN	MAX	WW			
Split Indoor	07+18	7100	16400		23500	4600	28000	1905	420	3900	8.7	9.50	3.61	
	09+18	8700	15300		24000	4600	30000	1930	420	4020	8.8	10.00	3.64	
	12+12	10000	10000		20000	4400	28000	1910	400	3700	8.7	9.50	3.07	
	12+18	9500	14500		24000	4600	32000	1930	420	4020	8.8	10.00	3.64	
	18+18	12000	12000		24000	4800	34000	1950	440	4020	8.9	10.00	3.61	
	07+07+07	7100	7100	7100	21300	5200	32000	1910	420	3800	8.7	11.00	3.27	
	07+07+09	7100	7100	8900	23100	5200	33000	1910	420	3850	8.7	11.00	3.54	
	07+07+12	7000	7000	10000	24000	5200	34000	1920	420	3900	8.7	11.00	3.66	
	07+07+18	6100	6100	11800	24000	5200	37000	1920	440	4020	8.7	11.00	3.66	
	07+09+09	7000	8500	8500	24000	5200	36000	1920	420	4020	8.7	11.00	3.66	
	07+09+12	6400	7900	9700	24000	5200	37000	1920	420	4020	8.7	11.00	3.66	
	07+09+18	5500	6900	11600	24000	5200	37000	1920	440	4020	8.7	11.00	3.66	
	07+12+12	6000	9000	9000	24000	5200	37000	1920	420	4020	8.7	11.00	3.66	
	07+12+18	5500	7500	11000	24000	5200	37000	1920	440	4020	8.7	11.00	3.66	
	09+09+09	8000	8000	8000	24000	5200	37000	1920	420	4020	8.7	11.00	3.66	
	09+09+12	7400	7400	9200	24000	5200	37000	1920	420	4020	8.7	11.00	3.66	
	09+09+18	6200	6200	11600	24000	5200	37000	1920	440	4020	8.7	11.00	3.66	
	09+12+12	7000	8500	8500	24000	5200	37000	1920	420	4020	8.7	11.00	3.66	
12+12+12	8000	8000	8000	24000	5200	37000	1920	420	4020	8.7	11.00	3.66		