

HI-MULTI R410A XTREME 36K, 21 SEER2, -25C, 230V

Hisense
COMFORT

Submission Data: ODU: AMW4-36U3STA

4 Port 36,000 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 AMW4-36U3STA.

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	32,000	32,000	32,000
	Cooling Capacity (Min-Max)	Btu/h	12,000 - 42,000		
	Rated Input-Cooling	Kw	2.67	2.56	2.61
	SEER2	Btu/w	19.5	21	20.25
	EER2	Btu/w	12.0	12.5	12.3
Heating at 47°F	Rated Heating Capacity	Btu/h	37,600	36,000	37,000
	Heating Capacity		8,000 - 48,000		
	Rated Input-Heating	Kw	3.52	3.12	3.27
	HSPF2	Btu/w	7.9	7.8	7.9
	COP (47F)		3.1	3.4	3.3
Heating at -8.3 °C (17°F AHRI)	Rated Heating Capacity	Btu/h	23,000	22,400	22,600
	Max Heating Capacity	Btu/h	39,859	40,000	40,035
Heating at -15 °C (5 °F)	Rated Heating Capacity	Btu/h	36,000	36,000	36,000
	Max Heating Capacity	Btu/h	36,000	36,000	36,000
Heating at -20 °C (-13 °F)	Max Heating Capacity	Btu/h	25,182	25,200	25,216

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:

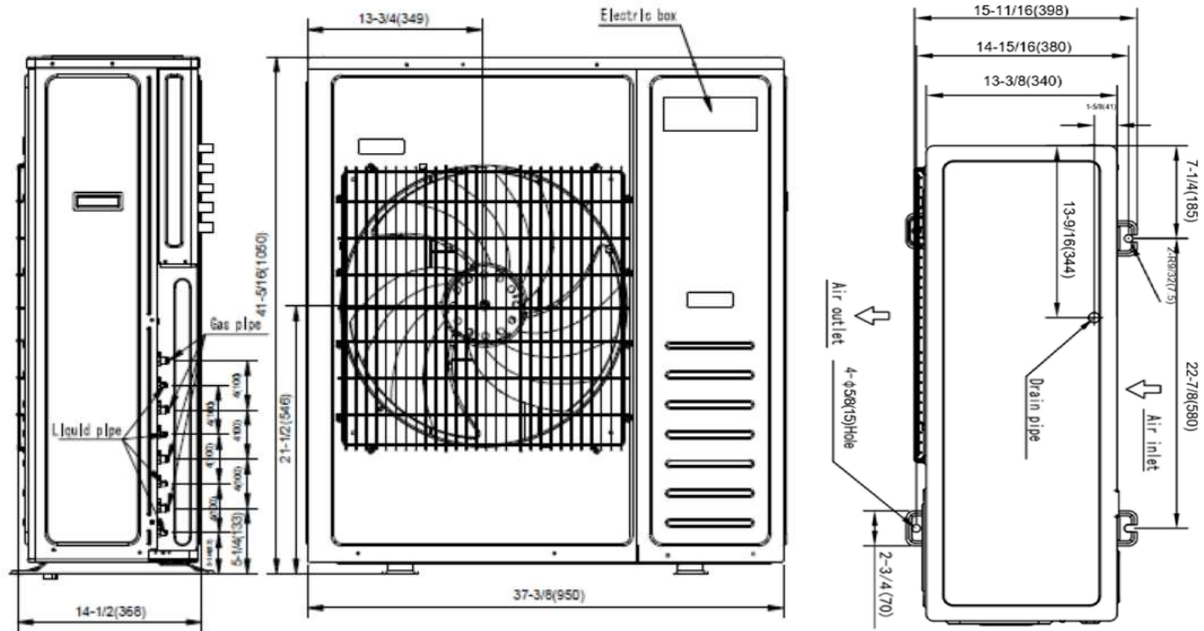
Power Supply		208 - 230v/1Ph/60Hz
Required Voltage Range	VAC	187 - 253
Min.Circuit Ampacity	A	32.2
Max Fuse Size/Fusible Max.	A	50
Rated Current	Cooling (A)	11.6
	Heating (A)	14.2

Outdoor Unit Specifications:

Refrigerant Type		R410A
Refrigerant charge volume	g/oz	3000/105.82
Refrigerant pre-charge	ft.	98
Additional charge per ft. over pre-charge length	oz	0.161
Liquid Pipe - 4 Ports	in.	1/4
Gas Pipe - 4 Ports	in.	3/8
Maximum Piping Length for all rooms	ft.	246
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	138
Fan Motor Speed (H/M/L)	RPM	850 / 540 / 200
Sound pressure	dB (A)	59
Net Dimensions WxHxD	mm	950 × 1050 × 340
	in.	37-3/8 x 41-3/8 x 13-3/8
Package Dimensions WxHxD	mm	1110 × 1200 x 460
	in.	43-3/4 x 47-1/4 x 18-1/8
Net/Gross Weight	kg	85.5/100
	lbs.	188.5/220.5

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
	ACT-24UR3SGB		ADT-24UX3SLM



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		AST-24UW3SDN**01B



Combination Table:

AMW4-36U3STA															
Model	Combination of Indoor Units	Cooling Capacity											(A)	SEER	EER
		A	B	C	D	Total Capacity (Btu/h)			Power Input(W)						
		Btu/h	Btu/h	Btu/h	Btu/h	NOM	MIN	MAX	NOM	MIN	MAX	W/W			
Split Indoor	07+09+18	6000	7800	15600		29400	12000	40500	2550	700	4800	10.9	20.00	3.38	
	07+09+24	6100	6100	19800		32000	12000	39000	2560	700	4440	10.1	19.00	3.66	
	07+12+12	6600	11400	11400		29400	12000	38000	2500	700	4500	10.2	20.00	3.45	
	07+12+18	6200	10000	15800		32000	12000	40000	2550	700	4800	10.5	20.00	3.68	
	07+12+24	6000	10000	16000		32000	12000	42000	2580	700	5000	10.7	20.00	3.63	
	07+18+24	5000	12000	15000		32000	12000	42000	2580	700	5000	10.7	20.00	3.63	
	09+09+12	8900	8900	11900		29700	12000	38500	2500	700	4600	10.4	20.00	3.48	
	09+09+18	7700	7700	15400		30800	12000	41000	2550	700	4900	11.0	20.00	3.54	
	09+09+24	7000	7000	18000		32000	12000	42000	2570	700	5000	11.3	20.00	3.65	
	09+12+12	8400	11200	11200		30800	12000	40000	2500	700	4750	10.8	20.00	3.61	
	09+12+18	7300	9700	14400		31400	12000	42000	2550	700	5000	11.0	20.00	3.61	
	09+12+24	7000	10000	15000		32000	12000	42000	2570	700	5000	11.1	20.00	3.65	
	09+18+24	6000	11000	15000		32000	12000	42000	2600	700	5000	11.2	20.00	3.61	
	12+12+12	10400	10400	10400		31200	12000	42000	2500	700	5000	11.0	20.00	3.66	
	12+12+18	9200	9200	13600		32000	12000	42000	2550	700	5000	11.0	20.00	3.68	
	12+12+24	8000	8000	16000		32000	12000	42000	2520	700	5000	11.0	20.00	3.72	
	12+18+24	8000	10000	14000		32000	12000	42000	2520	700	5000	11.0	20.00	3.72	
	07+07+07+07	7100	7100	7100	7100	28400	12000	39000	2450	700	4650	10.7	21.00	3.40	
	07+07+07+09	7200	7200	7200	9400	31000	12000	39500	2500	700	4700	10.6	21.00	3.63	
	07+07+07+12	6700	6700	6700	11500	31600	12000	40500	2520	700	4850	11.0	21.00	3.67	
	07+07+07+18	5700	5700	5700	14900	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+07+07+24	5300	5300	5300	16100	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+07+09+09	6900	6900	8900	8900	31600	12000	40500	2520	700	4850	11.0	21.00	3.67	
	07+07+09+12	6400	6400	8300	10900	32000	12000	41000	2520	700	4900	11.0	21.00	3.72	
	07+07+09+18	5400	5400	7100	14100	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+07+09+24	5000	5000	6000	16000	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+07+12+12	5900	5900	10100	10100	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+07+12+18	5100	5100	8700	13100	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+07+12+24	5000	5000	7600	14400	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+09+09+09	6500	8500	8500	8500	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+09+09+12	6100	7800	7800	10300	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+09+09+18	5200	6700	6700	13400	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+09+09+24	5000	6500	6500	14000	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+09+12+12	5600	7200	9600	9600	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+09+12+18	4900	6300	8300	12500	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+09+12+24	4800	5500	6000	15700	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+12+12+12	6200	8600	8600	8600	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	07+12+12+18	4500	7900	7900	11700	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	09+09+09+09	8000	8000	8000	8000	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	09+09+09+12	7400	7400	7400	9800	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	09+09+09+18	6400	6400	6400	12800	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
	09+09+09+24	6000	6000	6000	14000	32000	12000	42000	2520	700	5000	11.0	21.00	3.72	
09+09+12+12	6800	6800	9200	9200	32000	12000	42000	2520	700	5000	11.0	21.00	3.72		
09+09+12+18	6000	6000	8000	12000	32000	12000	42000	2520	700	5000	11.0	21.00	3.72		
09+09+12+24	5500	5500	6000	15000	32000	12000	42000	2520	700	5000	11.0	21.00	3.72		
09+12+12+12	6500	8500	8500	8500	32000	12000	42000	2520	700	5000	11.0	21.00	3.72		
09+12+12+18	5600	7500	7500	11400	32000	12000	42000	2520	700	5000	11.0	21.00	3.72		
12+12+12+12	8000	8000	8000	8000	32000	12000	42000	2520	700	5000	11.0	21.00	3.72		
12+12+12+18	7100	7100	7100	10700	32000	12000	42000	2520	700	5000	11.0	21.00	3.72		

Combination Table:

Model	Combination of Indoor Units	Heating Capacity											(A)	SCOP	COP
		A	B	C	D	Total Capacity (Btu/h)			Power Input(Btu/h)						
		Btu/h	Btu/h	Btu/h	Btu/h	NOM	MIN	MAX	NOM	MIN	MAX	W/W			
Split Indoor	07+09+18	6800	8700	17500		33000	8000	50000	3060	600	5750	12.9	10.00	3.16	
	07+09+24	7000	7000	22000		36000	8000	46000	3060	600	5340	12.3	9.50	3.45	
	07+12+12	7400	12800	12800		33000	8000	47000	3030	600	5400	12.1	10.00	3.19	
	07+12+18	6500	12000	17500		36000	8000	51400	3060	600	5950	12.5	10.00	3.45	
	07+12+24	6000	10000	20000		36000	8000	52000	3060	600	6000	12.7	10.00	3.45	
	07+18+24	6000	14000	16000		36000	8000	52000	3060	600	6000	12.9	10.00	3.45	
	09+09+12	10000	10000	13400		33400	8000	47600	3030	600	5500	12.3	10.00	3.23	
	09+09+18	8600	8600	17300		34500	8000	50800	3060	600	5900	13.0	10.00	3.30	
	09+09+24	8000	8000	20000		36000	8000	52000	3060	600	6000	13.0	10.00	3.45	
	09+12+12	9400	12600	12600		34600	8000	49500	3030	600	5700	12.8	10.00	3.35	
	09+12+18	8200	10900	16200		35300	8000	52000	3060	600	6000	13.0	10.00	3.38	
	09+12+24	7000	10000	19000		36000	8000	52000	3060	600	6000	13.0	10.00	3.45	
	09+18+24	7000	13000	16000		36000	8000	52000	3060	600	6000	13.0	10.00	3.45	
	12+12+12	11700	11700	11700		35100	8000	52000	3030	600	6000	13.0	10.00	3.39	
	12+12+18	10300	10300	15400		36000	8000	52000	3100	600	6000	13.0	10.00	3.40	
	12+12+24	10000	10000	16000		36000	8000	52000	3100	600	6000	13.0	10.00	3.40	
	12+18+24	9000	12400	14600		36000	8000	52000	3100	600	6000	13.0	10.00	3.40	
	07+07+07+07	8000	8000	8000	8000	32000	8000	48300	2970	600	5550	13.0	10.50	3.16	
	07+07+07+09	8100	8100	8100	10400	34700	8000	48900	3040	600	5650	13.0	10.50	3.34	
	07+07+07+12	7500	7500	7500	12900	35400	8000	50000	3060	600	5800	13.0	10.50	3.39	
	07+07+07+18	6500	6500	6500	16500	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+07+07+24	5500	5500	5500	19500	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+07+09+09	7900	7900	9900	9900	35600	8000	50000	3060	600	5800	13.0	10.50	3.41	
	07+07+09+12	7200	7200	9200	12400	36000	8000	50800	3060	600	5850	13.0	11.00	3.45	
	07+07+09+18	6200	6200	7800	15800	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+07+09+24	5300	5300	6000	19400	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+07+12+12	6600	6600	11400	11400	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+07+12+18	5700	5700	9800	14800	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+07+12+24	5300	5300	6000	19400	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+09+09+09	7500	9500	9500	9500	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+09+09+12	6800	8700	8700	11800	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+09+09+18	5800	7600	7600	15000	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+09+09+24	5300	7000	7000	16700	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+09+12+12	6300	8100	10800	10800	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+09+12+18	5500	7100	9400	14000	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+09+12+24	5000	6200	9000	15800	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+12+12+12	5700	10100	10100	10100	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	07+12+12+18	5200	8800	8800	13200	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	09+09+09+09	9000	9000	9000	9000	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	09+09+09+12	8300	8300	8300	11100	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	09+09+09+18	7200	7200	7200	14400	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
	09+09+09+24	6500	6500	6500	16500	36000	8000	52000	3060	600	6000	13.0	11.00	3.45	
09+09+12+12	7700	7700	10300	10300	36000	8000	52000	3060	600	6000	13.0	11.00	3.45		
09+09+12+18	6800	6800	8900	13500	36000	8000	52000	3060	600	6000	13.0	11.00	3.45		
09+09+12+24	6500	6500	7000	16000	36000	8000	52000	3060	600	6000	13.0	11.00	3.45		
09+12+12+12	7200	9600	9600	9600	36000	8000	52000	3060	600	6000	13.0	11.00	3.45		
09+12+12+18	6400	8400	8400	12800	36000	8000	52000	3060	600	6000	13.0	11.00	3.45		
12+12+12+12	9000	9000	9000	9000	36000	8000	52000	3060	600	6000	13.0	11.00	3.45		
12+12+12+18	8000	8000	8000	12000	36000	8000	52000	3060	600	6000	13.0	11.00	3.45		