

HI-MULTI R410A XTREME 18K, 21 SEER2, -25C, 230V

Hisense
COMFORT

Submittal Data: ODU: AMW2-18U3SFA
2 Port 18,000 BTU/H, Wall-Mounted Heat Pump System

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

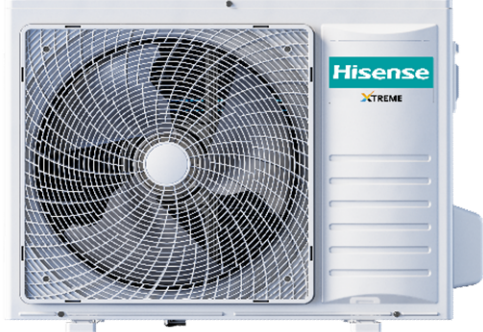
Key Features:

- 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 AMW2-18U3SFA.

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	18,000	18,000	18,000
	Cooling Capacity (Min-Max)	Btu/h	7,500-24,000		
	Rated Input-Cooling	Kw	1.57	1.44	1.50
	SEER2	Btu/w	19	21	20
	EER2	Btu/w	11.5	12.5	12.3
Heating at 47°F	Rated Heating Capacity	Btu/h	20,200	18,000	20,000
	Heating Capacity		7,500-24,000		
	Rated Input-Heating	Kw	1.55	1.53	1.54
	HSPF2	Btu/w	7.9	7.8	7.9
	COP (47F)		3.8	3.5	3.8
Heating at -8.3 °C (17°F AHRI)	Rated Heating Capacity	Btu/h	12,700	12,700	12,700
	Max Heating Capacity	Btu/h	19,831	20,000	19,708
Heating at -15 °C (5 °F)	Rated Heating Capacity	Btu/h	18,000	18,000	18,000
	Max Heating Capacity	Btu/h	18,000	18,000	18,000
Heating at -20 °C (-13 °F)	Max Heating Capacity	Btu/h	12,665	12,600	12,556

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	21
Max Fuse Size/Fusible Max.	A	30
Rated Current	Cooling (A)	6.5
	Heating (A)	7.0

Outdoor Unit Specifications:

Refrigerant Type		R410A
Refrigerant charge volume	g/oz	1800/63.49
Refrigerant pre-charge	ft.	49
Additional charge per ft. over pre-charge length	oz	0.161
Liquid Pipe - 2 Ports	in.	1/4
Gas Pipe - 2 Ports	in.	3/8
Maximum Piping Length for all rooms	ft.	164
Maximum Piping Length for one indoor unit	ft.	82
Maximum height difference between indoor and outdoor unit	ft.	49
Maximum height difference between indoor units	ft.	33
Fan Motor Output	W	73
Fan Motor Speed (H/M/L)	RPM	850 / 540 / 200
Sound pressure	dB (A)	55
Net Dimensions WxHxD	mm	860 × 670 × 310
	in.	33-7/8 × 26-3/8 × 12-1/4
Package Dimensions WxHxD	mm	990 × 730 × 450
	in.	39 × 28-3/4 × 17-3/4
Net/Gross Weight	kg	53/57
	lbs.	116.8/125.6

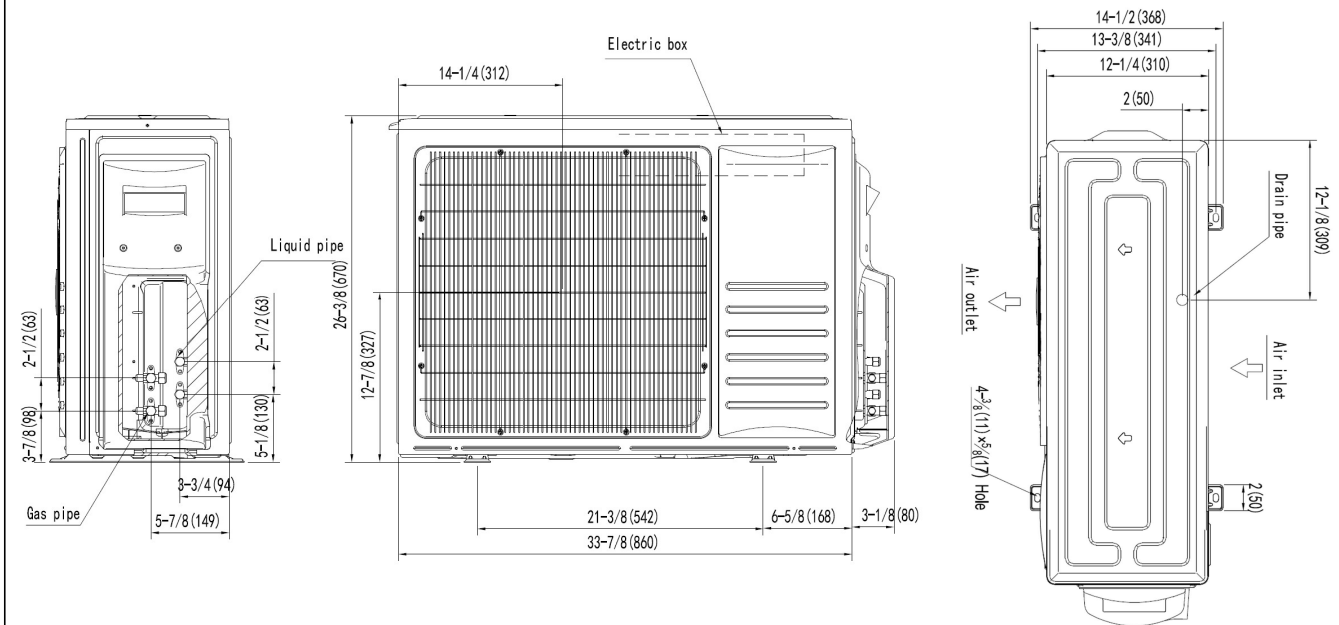
Accessories Model No.

YXE-C01U1

Description:

Wired Controller (Optional)

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



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		



AMW2-18U3SFA												
Model	Combination of Indoor Units	Cooling Capacity										
		A	B	Total Capacity (Btu/h)			Power Input(W)			(A)	SEER	EER
		Btu/h	Btu/h	NOM	MIN	MAX	NOM	MIN	MAX			
Split Indoor	07+07	9000	9000	18000	7500	24000	1440	510	2610	6.5	22.0	3.66
	07+09	8500	9500	18000	7500	24000	1440	510	2610	6.5	22.0	3.66
	07+12	8000	10000	18000	7500	24000	1440	510	2610	6.5	22.0	3.66
	09+09	9000	9000	18000	7500	24000	1440	510	2610	6.5	22.0	3.66
	09+12	8500	9500	18000	7500	24000	1440	510	2610	6.5	22.0	3.66
	12+12	9000	9000	18000	7500	24000	1440	510	2610	6.5	22.0	3.66
Model	Combination of Indoor Units	Heating Capacity										
		A	B	Total Capacity (Btu/h)			Power Input(Btu/h)			(A)	SCOP	COP
		Btu/h	Btu/h	NOM	MIN	MAX	NOM	MIN	MAX			
Split Indoor	07+07	9000	9000	18000	5800	28700	1530	450	3150	6.9	11.0	3.45
	07+09	8500	9500	18000	5800	28700	1530	450	3150	6.9	11.0	3.45
	07+12	8000	10000	18000	5800	28700	1530	450	3150	6.9	11.0	3.45
	09+09	9000	9000	18000	5800	28700	1530	450	3150	6.9	11.0	3.45
	09+12	8500	9500	18000	5800	28700	1530	450	3150	6.9	11.0	3.45
	12+12	9000	9000	18000	5800	28700	1530	450	3150	6.9	11.0	3.45