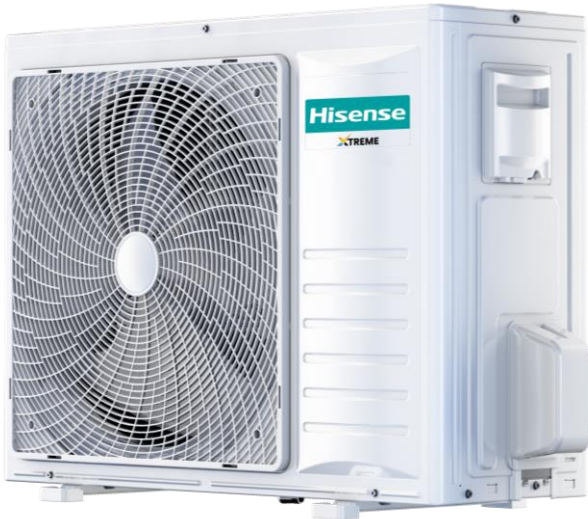


Project Name:	
Location:	
Engineer:	
Submitted to:	
Submitted by:	
Reference:	

Approval:	
Date:	
Construction:	
Unit #:	
Drawing #:	

**Description:**

**Hisense Hi-Ultra Xtreme Heat, 2-Zones, 18,000 BTU Heat pump System**



**Condensing Unit Model:**  
AMW2-18U3SFA

**KEY FEATURES**

- ❑ Energy-Star qualified + Xtreme Heat, 100% Heating at 5°F:
- ❑ Compact cabinet design is light-weighted for easier moving.
- ❑ Built-in base pan heater
- ❑ Wide temperature range:
  - ❖ Cooling: 14° F~ 115° F
  - ❖ Heating: -13° F~ 75° F
- ❑ Long Connection Pipe:
  - ❖ Max. Total Length of connection pipes: up to 164ft length;
  - ❖ Max. height difference between indoor and outdoor, 49ft

## Technical Spec.

Indoor model	AST-09UW3SVE**01*2
Outdoor model	AMW2-18U3SFA

### PERFORMANCE

#### DATA

Power supply	Ph-V-Hz	208-230V~60Hz , 1Ph
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#### Cooling

Capacity	Btu/h	18000
Input	W	1440
Rated current	A	6.5
EER2	Btu/h/w	12.5
SEER2	Btu/h/w	21

#### Heating

Capacity	Btu/h	18000
Input	W	1530
Rated current	A	6.9
COP2	W/W	3.55
HSPF2	Btu/h/w	9.5
COP at 5°F (At Max. Capacity)	Btu/h/w	1.84

#### Electrical

MINIMUM CIRCUIT AMPACITY	A	21.0
MAX. FUSE	A	30.0
Connection wiring		4 x 1.5mm <sup>2</sup>

#### Compressor

Model		EATF200D22UMT
Type		ROTARY
Brand		GMCC
Capacity	Btu/h	20523.18
Input	W	1690
Rated current(RLA)	A	15
Locked rotor Amp(LRA)	A	---
Thermal protector		---
Thermal protector position		---
Refrigerant oil/oil charge	ml	VG74 (POE) 670ml

#### Operation temperature

Indoor(cooling/ heating)	Deg. F	62~90/32~86
Outdoor(cooling/heating)	Deg. F	14~115/ -13~75.2

## Technical Spec.

<b>Indoor model</b>	<b>ADT-09UX3SBL*2</b>
<b>Outdoor model</b>	<b>AMW2-18U3SFA</b>

### **PERFORMANCE**

#### **DATA**

Power supply	Ph-V-Hz	208-230V~60Hz , 1Ph
<b>Cooling</b>		
Capacity	Btu/h	18000
Input	W	1565
Rated current	A	7.1
EER2	Btu/h/w	11.5
SEER2	Btu/h/w	19
<b>Heating</b>		
Capacity	Btu/h	20200
Input	W	1552
Rated current	A	7.0
COP2	W/W	3.81
HSPF2	Btu/h/w	9.4
COP at 5°F (At Max. Capacity)	Btu/h/w	1.84
<b>Electrical</b>		
MINIMUM CIRCUIT AMPACITY	A	21.0
MAX. FUSE	A	30.0
Connection wiring		4 x 1.5mm <sup>2</sup>
<b>Compressor</b>		
Model		EATF200D22UMT
Type		ROTARY
Brand		GMCC
Capacity	Btu/h	20523.18
Input	W	1690
Rated current(RLA)	A	15
Locked rotor Amp(LRA)	A	---
Thermal protector		---
Thermal protector position		---
Refrigerant oil/oil charge	ml	VG74 (POE) 670ml
<b>Operation temperature</b>		
Indoor(cooling/ heating)	Deg. F	62~90/32~86
Outdoor(cooling/heating)	Deg. F	14~115/ -13~75.2

## Technical Spec.

Indoor model	ACT-09UR3SCA*2
Outdoor model	AMW2-18U3SFA

### PERFORMANCE DATA

Power supply	Ph-V-Hz	208-230V~60Hz , 1Ph
<b>Cooling</b>		
Capacity	Btu/h	18000
Input	W	1500
Rated current	A	7
EER2	Btu/h/w	12
SEER2	Btu/h/w	19
<b>Heating</b>		
Capacity	Btu/h	20000
Input	W	1538
Rated current	A	7
COP2	W/W	3.81
HSPF2	Btu/h/w	9.45
COP at 5°F (At Max. Capacity)	Btu/h/w	1.84
<b>Electrical</b>		
MINIMUM CIRCUIT AMPACITY	A	21.0
MAX. FUSE	A	30.0
Connection wiring		4 x 1.5mm2
<b>Compressor</b>		
Model		EATF200D22UMT
Type		ROTARY
Brand		GMCC
Capacity	Btu/h	20523.18
Input	W	1690
Rated current(RLA)	A	15
Locked rotor Amp(LRA)	A	---
Thermal protector		---
Thermal protector position		---
Refrigerant oil/oil charge	ml	VG74 (POE) 670ml
<b>Operation temperature</b>		
Indoor(cooling/ heating)	Deg. F	62~90/32~86
Outdoor(cooling/heating)	Deg. F	14~115/ -13~75.2

## Technical Spec.

### OUTDOOR UNIT DATA

Outdoor fan motor		
Model		SIC-61FW-F161-1
Type		DC
Input		73
RLA	A	0.3
Speed	r/min	850 / 540 / 200
Air flow & Noise level		
Outdoor air flow	CFM	1850
Outdoor noise level	dB(A)	55

### Outdoor unit

Dimension(W*H*D)	inch	33-7/8x26-3/8x12-1/4
Packing (W*D*H)	inch	39x17-3/4x28-3/4
Net/Gross weight	lbs.	116.8/125.6

### SYSTEM DATA

Design pressure	PSIG	550/240
Refrigerant type	oz	R410A/63.49
Refrigerant precharge	ft	49
Additional charge per ft.	oz	0.161oz/ft over 15m
Liquid side/ Gas side	mm(inch)	2 X $\Phi$ 6.35/ $\Phi$ 9.52(1/4"/3/8")
Max. length for all rooms	ft	164
Max. length for one indoor unit	ft	82
Max. height difference between indoor and outdoor unit	ft	49
Max. height difference between indoor units	ft	33

## Compatible Units



ACT-09UR3SCA  
ACT-12UR3SCA



ADT-09UX3SBL  
ADT-12UX3SBL



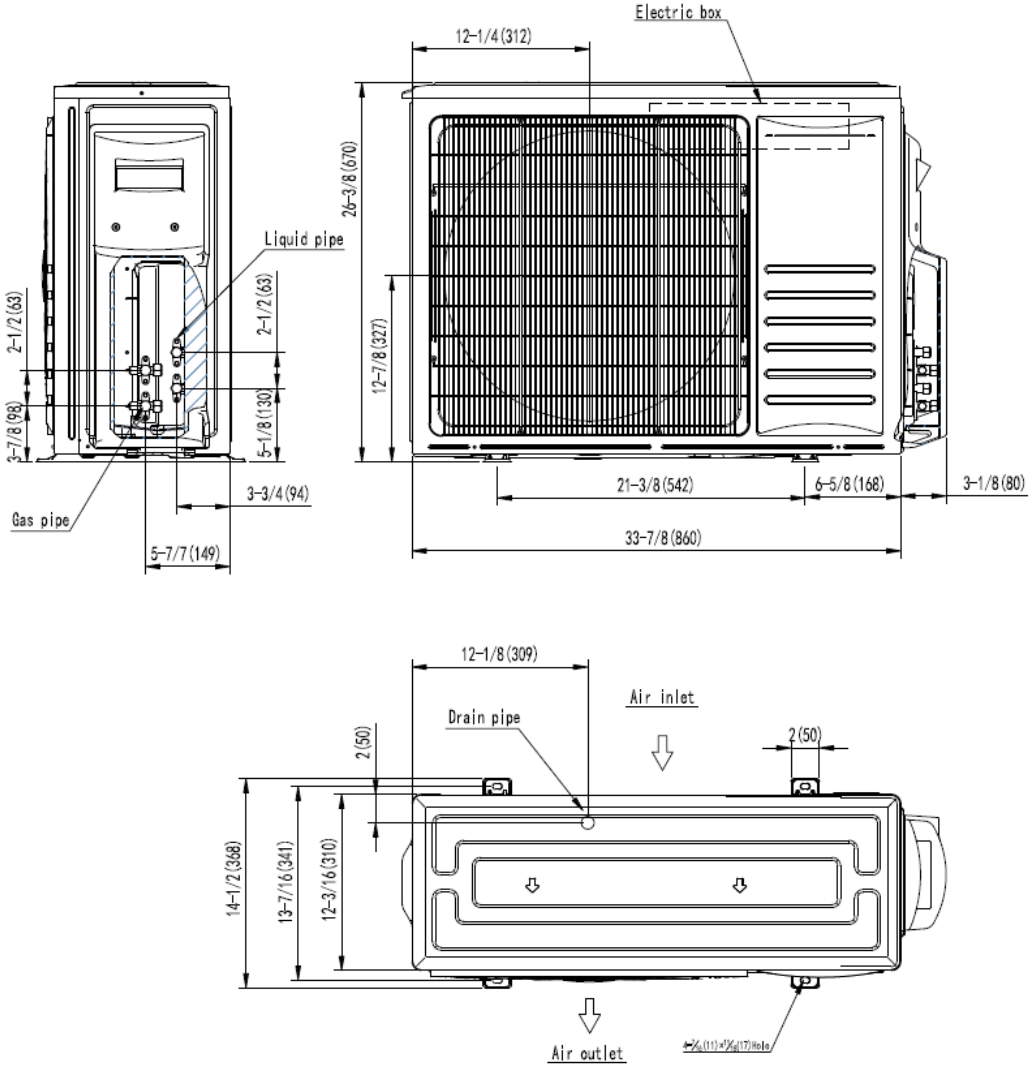
AST-07UW3SVEDH01  
AST-09UW3SVEDH01  
AST-07UW3SXEDH01  
AST-09UW3SXEDH01  
AST-12UW3SXEDH01  
AST-12UW3SXEDH02

### NOTE:

- ❑ Minimum of two Indoor Units must be connected to one Outdoor
- ❑ Total connected capacity must not exceed 150% of outdoor unit capacity
- ❑ Separated Submittals for compatible indoor units
- ❑ Information provided at 208/230V
- ❑ The panel for Wall Mounted and Cassette will be different for different customers

**DIMENSIONAL DRAWING**  
**Condensing Units**

**Unit: inch(mm)**



## Combination Table

Model	Combination of Indoor Units	Cooling Capacity								
		A	B	Total Capacity (Btu/h)			Power Input(W)			(A)
		Btu/h	Btu/h	NOM	MIN	MAX	NOM	MIN	MAX	
AMW2-18U3SFA	07+07	9000	9000	18000	7500	24000	1440	510	2610	6.5
	07+09	8500	9500	18000	7500	24000	1440	510	2610	6.5
	07+12	8000	10000	18000	7500	24000	1440	510	2610	6.5
	09+09	9000	9000	18000	7500	24000	1440	510	2610	6.5
	09+12	8500	9500	18000	7500	24000	1440	510	2610	6.5
	12+12	9000	9000	18000	7500	24000	1440	510	2610	6.5

Model	Combination of Indoor Units	Heating Capacity								
		A	B	Total Capacity (Btu/h)			Power Input(Btu/h)			(A)
		Btu/h	Btu/h	NOM	MIN	MAX	NOM	MIN	MAX	
AMW2-18U3SFA	07+07	9000	9000	18000	5800	28700	1530	450	3150	6.9
	07+09	8500	9500	18000	5800	28700	1530	450	3150	6.9
	07+12	8000	10000	18000	5800	28700	1530	450	3150	6.9
	09+09	9000	9000	18000	5800	28700	1530	450	3150	6.9
	09+12	8500	9500	18000	5800	28700	1530	450	3150	6.9
	12+12	9000	9000	18000	5800	28700	1530	450	3150	6.9