

# MODEL SAHH / TACU

**AIR HANDLING UNIT**

**AIR QUANTITY**

**FROM 2,600 TO 26,600 CFM.**

**COOLING CAPACITY**

**FROM 80,000 TO 800,000 BTUH**

**UNI-Aire**<sup>®</sup>

Air Conditioning Experts

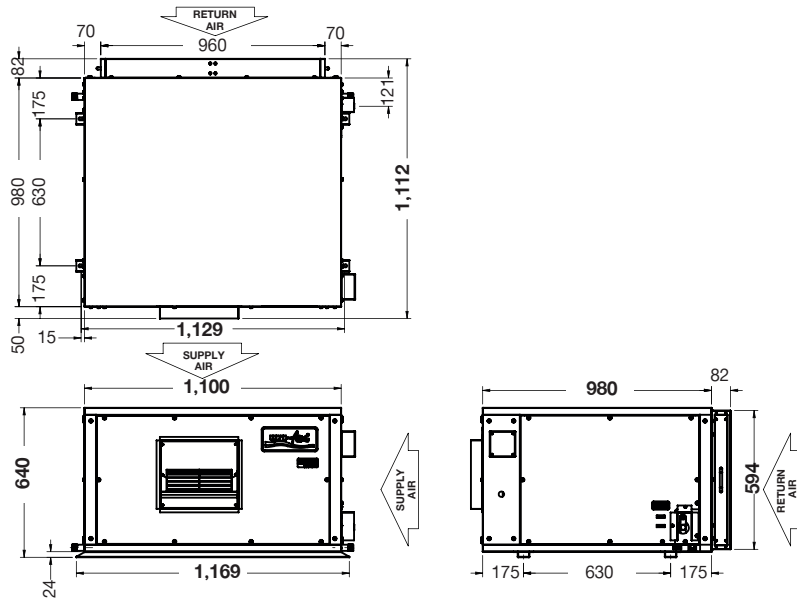


## Features

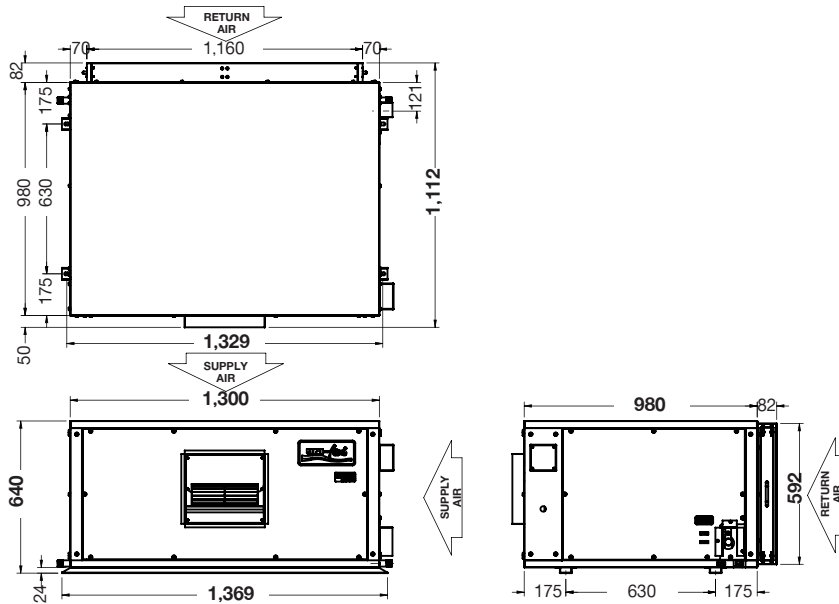
- **Compact Size** : Small footprint need minimum space to install
- **Easy to Install**: Terminal block located outside for easier wire connection.
- **Low leak Construction** : The unit design only one modular construction which can prevent the leakage more than multiple modular construction.
- **Easy maintenance filter** : Filter located outside the casing makes It easier to change or clean the filter

**DIMENSIONAL DRAWINGS MODEL : SAHH-008A1 to SAHH-010A1**

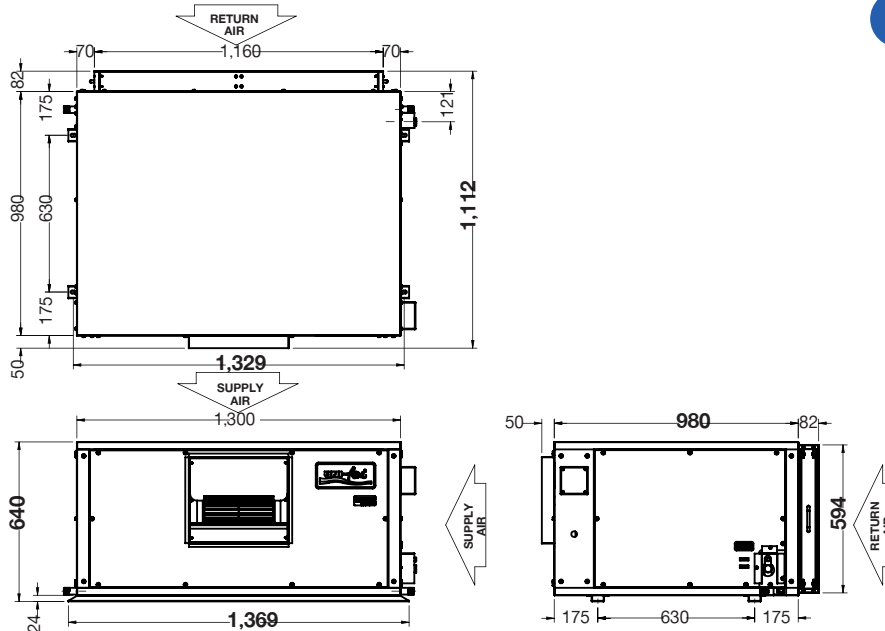
**MODEL : SAHH-008A1**



**MODEL : SAHH-009A1**

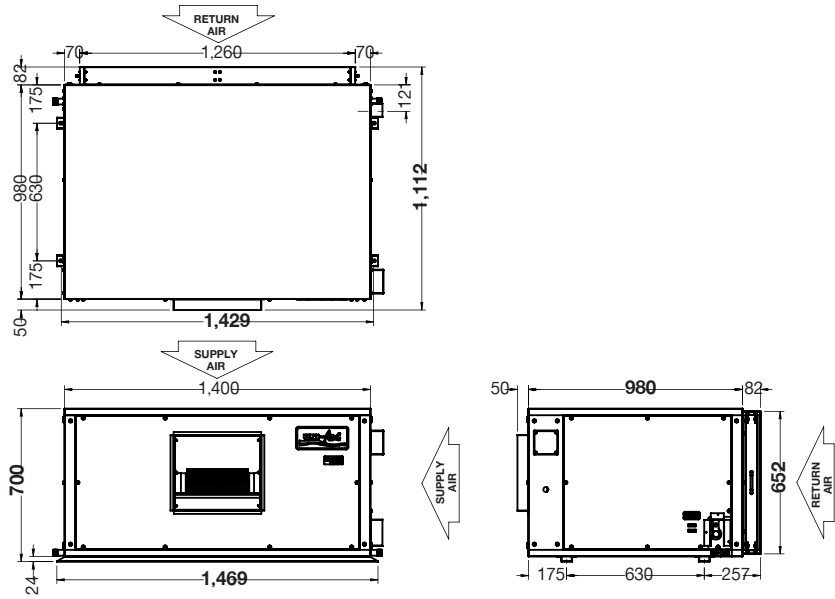


**MODEL : SAHH-010A1**

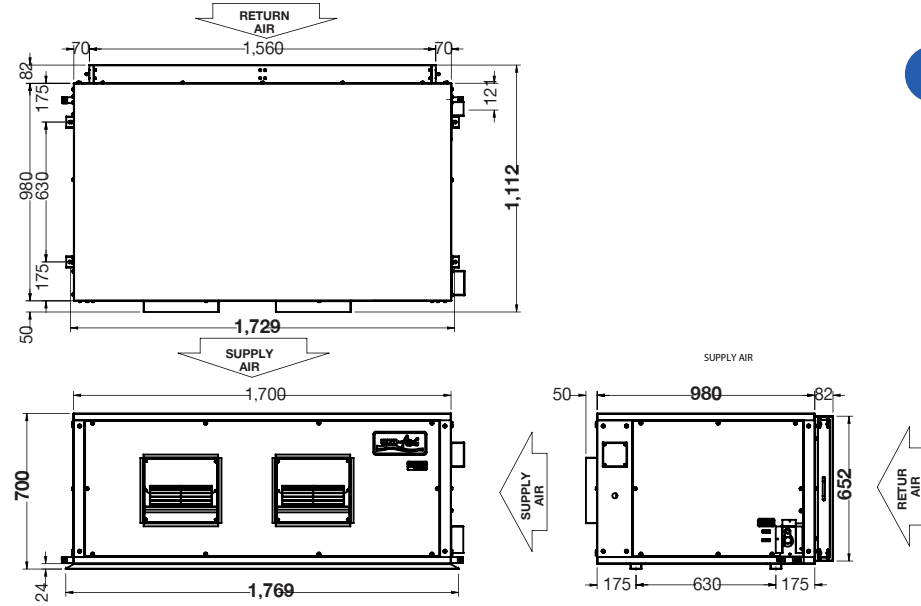


**DIMENSIONAL DRAWINGS MODEL : SAHH-012A1 to SAHH-015A1**

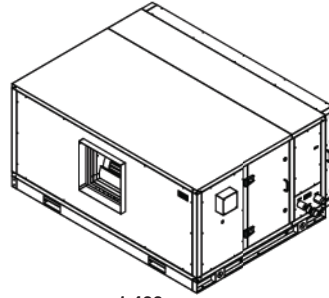
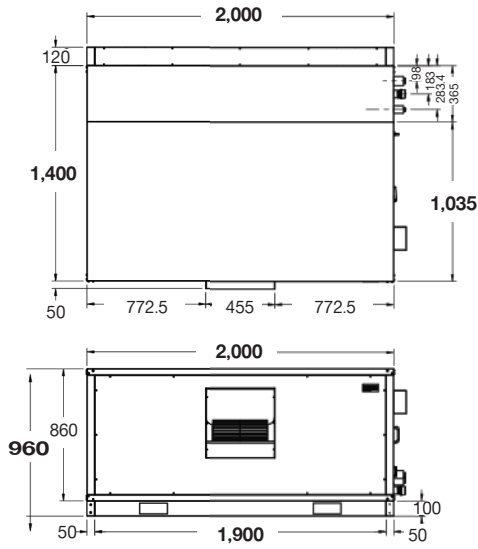
**MODEL : SAHH-012A1**



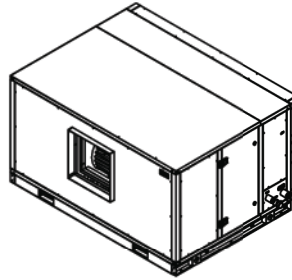
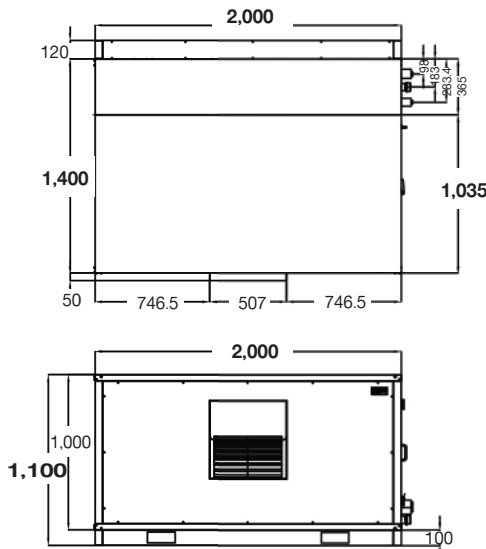
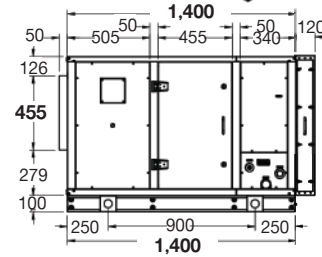
**MODEL : SAHH-015A1**



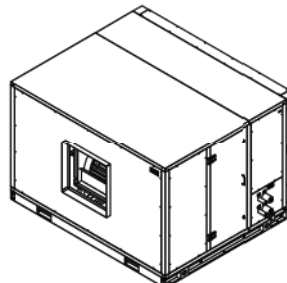
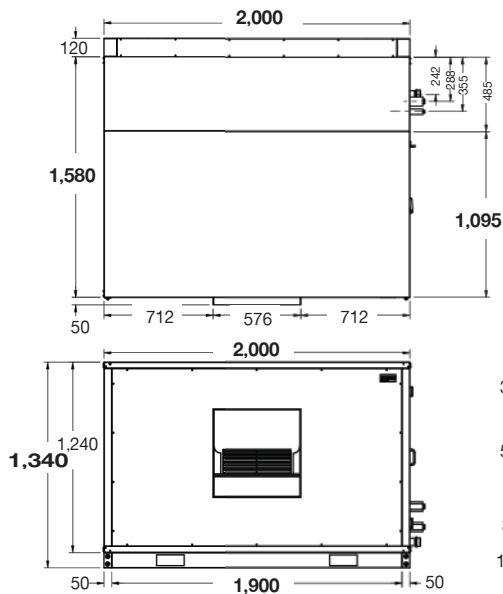
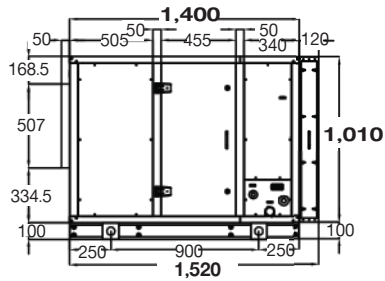
**DIMENSIONAL DRAWINGS MODEL : SAHH-020A1 to SAHH-030A1-2C**



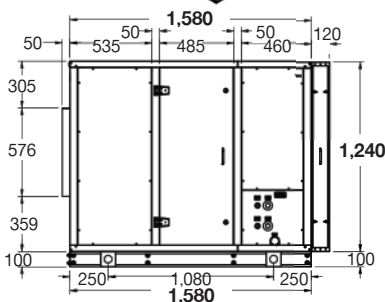
**MODEL : SAHH-020A1 to  
MODEL : SAHH-020A1-2C**



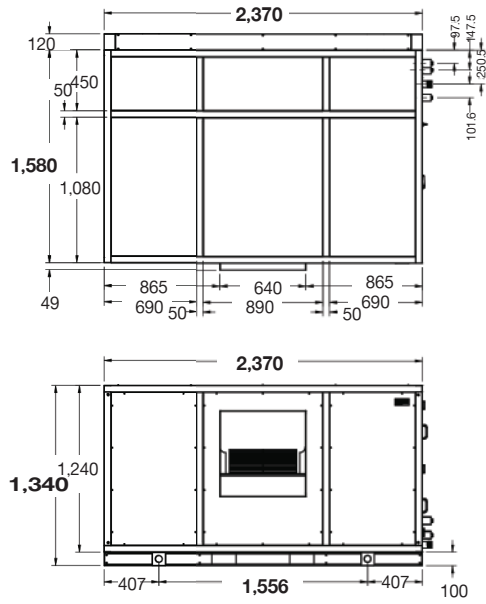
**MODEL : SAHH-025A1 to  
MODEL : SAHH-025A1-2C**



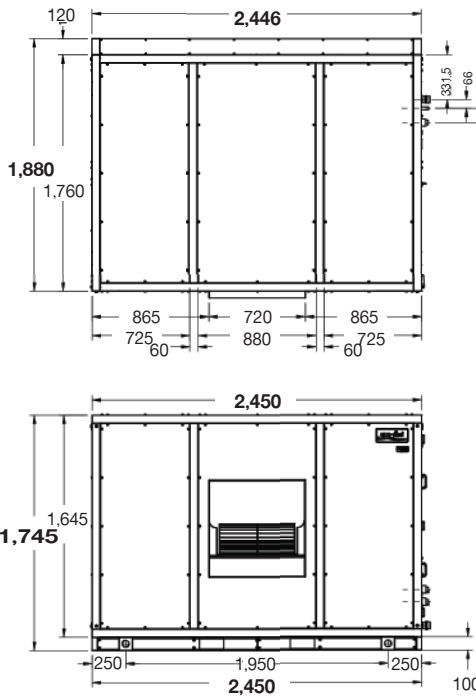
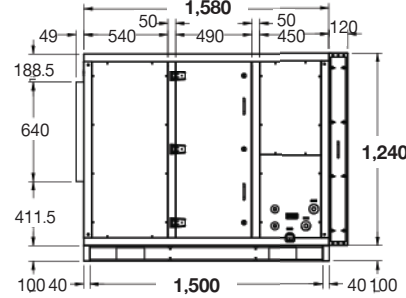
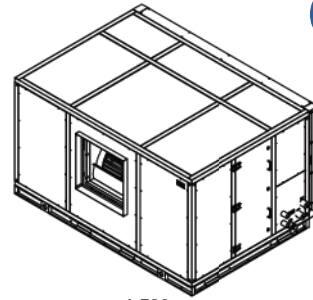
**MODEL : SAHH-030A1-2C**



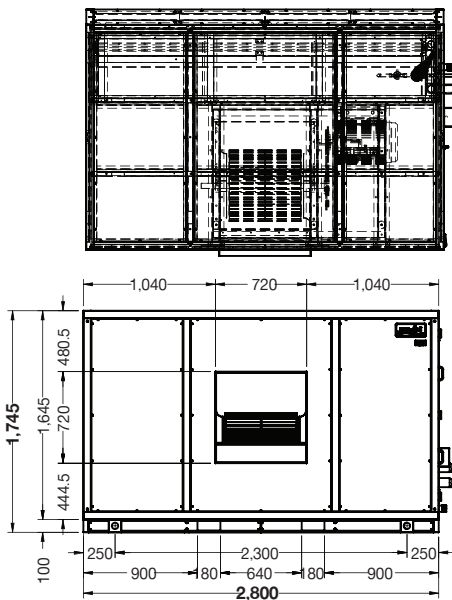
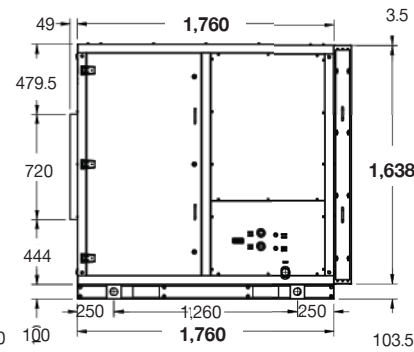
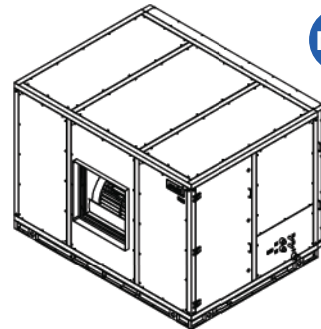
**DIMENSIONAL DRAWINGS MODEL : SAHH-040A1-2C to SAHH-060A1-2C**



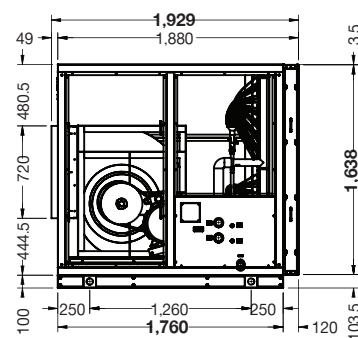
**MODEL : SAHH-040A1-2C**



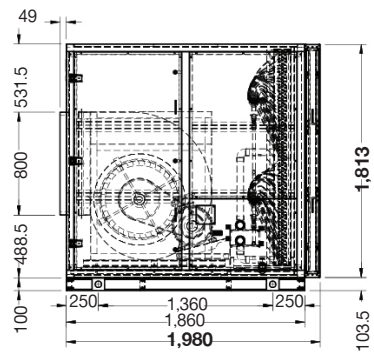
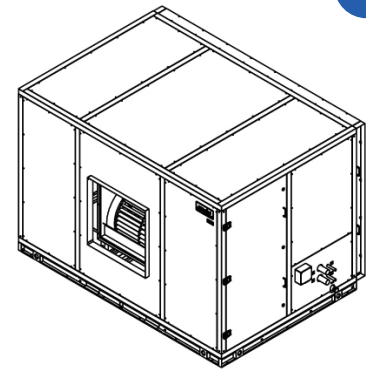
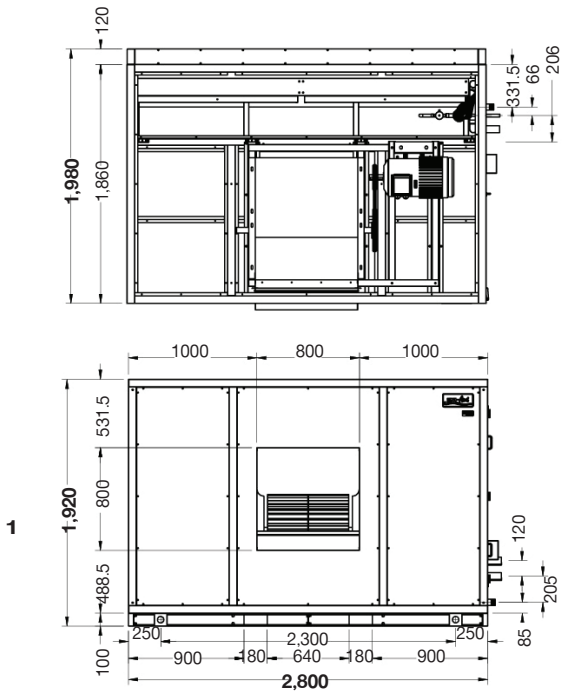
**MODEL : SAHH-050A1-2C**



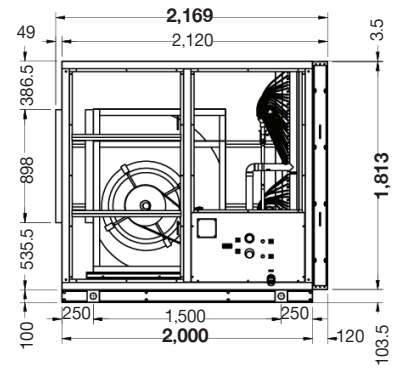
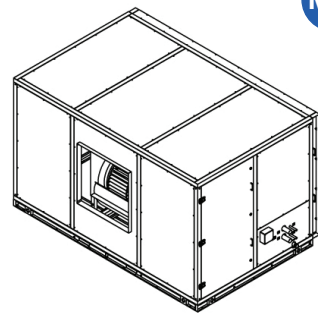
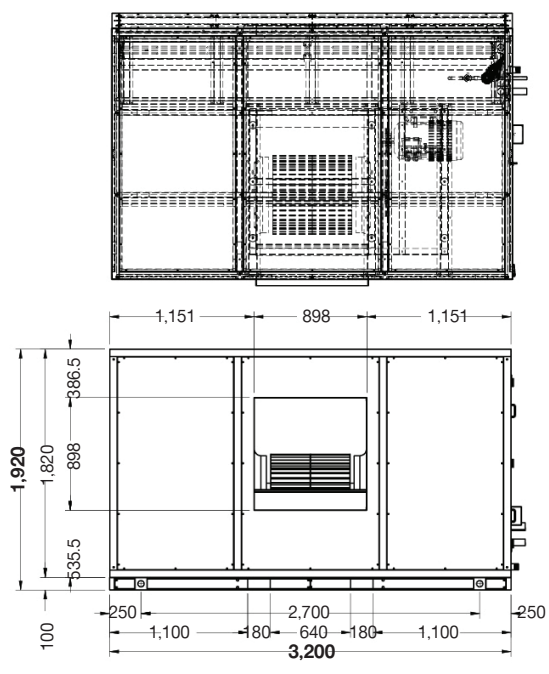
**MODEL : SAHH-060A1-2C**



MODEL : SAHH-070A1-2C

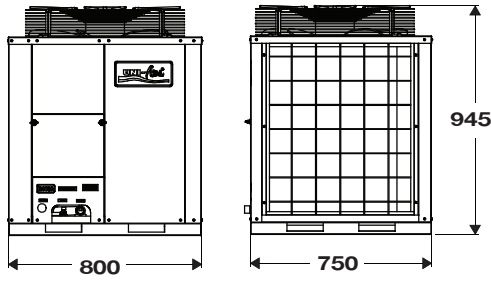


MODEL : SAHH-080A1-2C

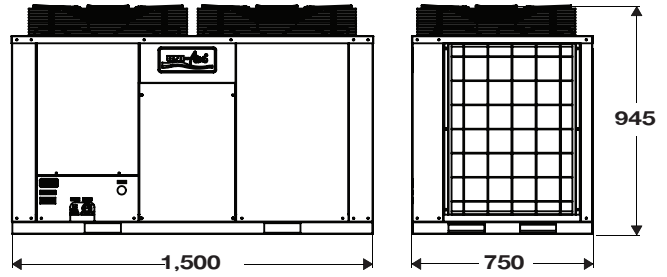


**DIMENSIONAL DRAWINGS CONDENSING UNIT MODEL : TACU 008AS to TACU-030AS-2C**

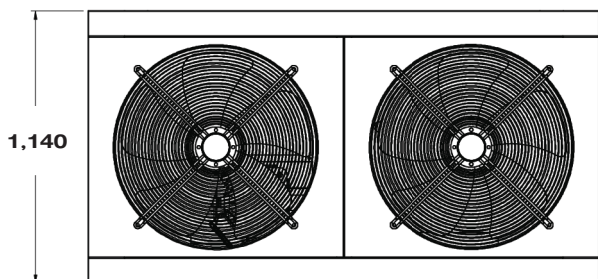
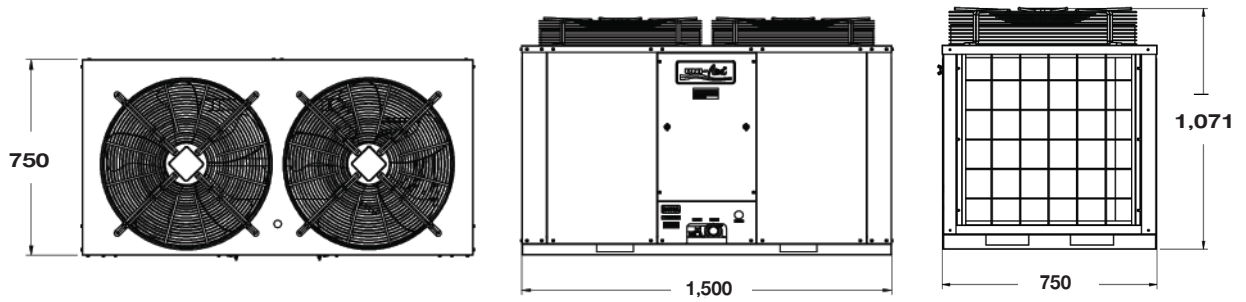
**MODEL : TACU-008AS to TACU-010AS**



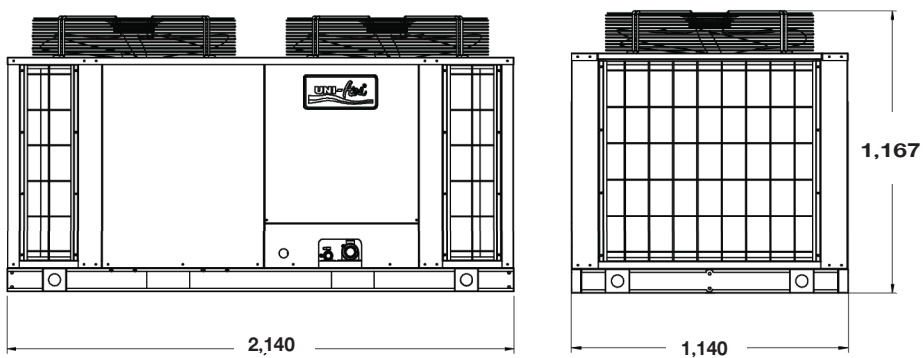
**MODEL : TACU-012AS to TACU-015AS**



**MODEL : TACU-020AS to TACU-020AS-2C**

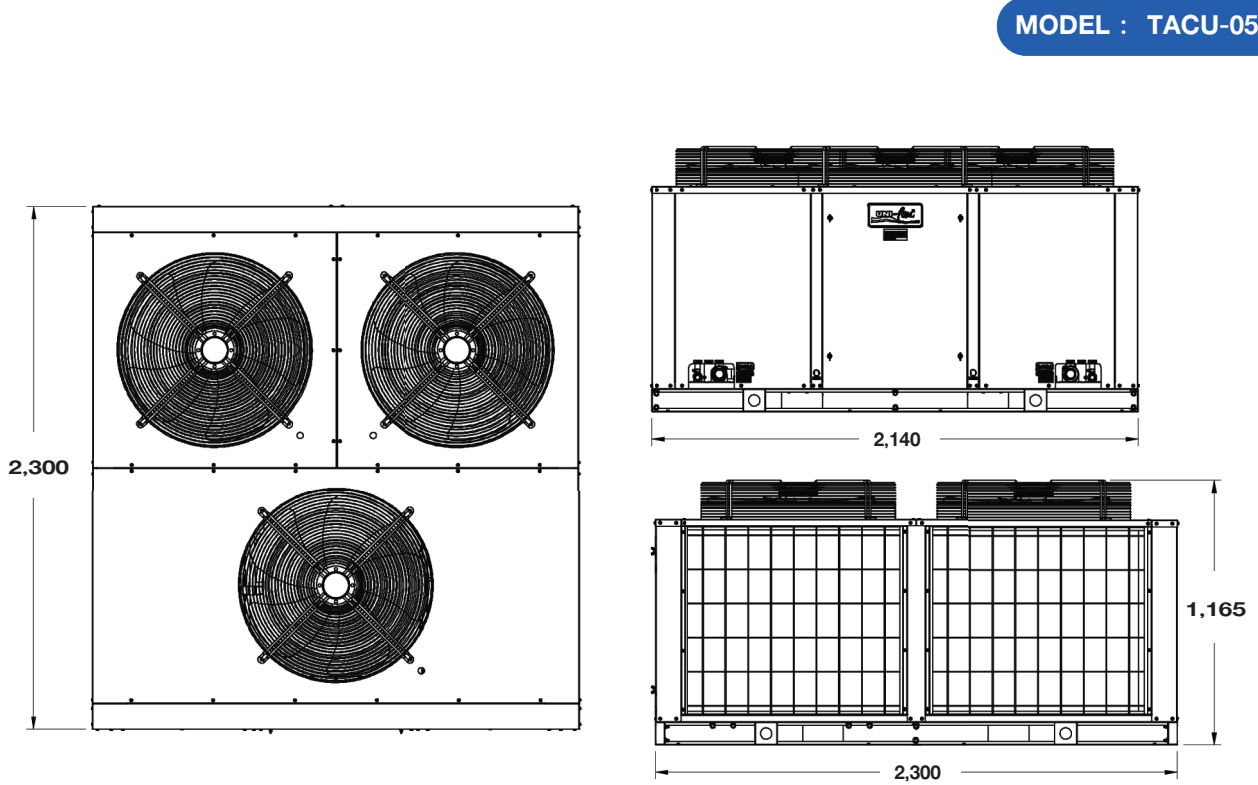
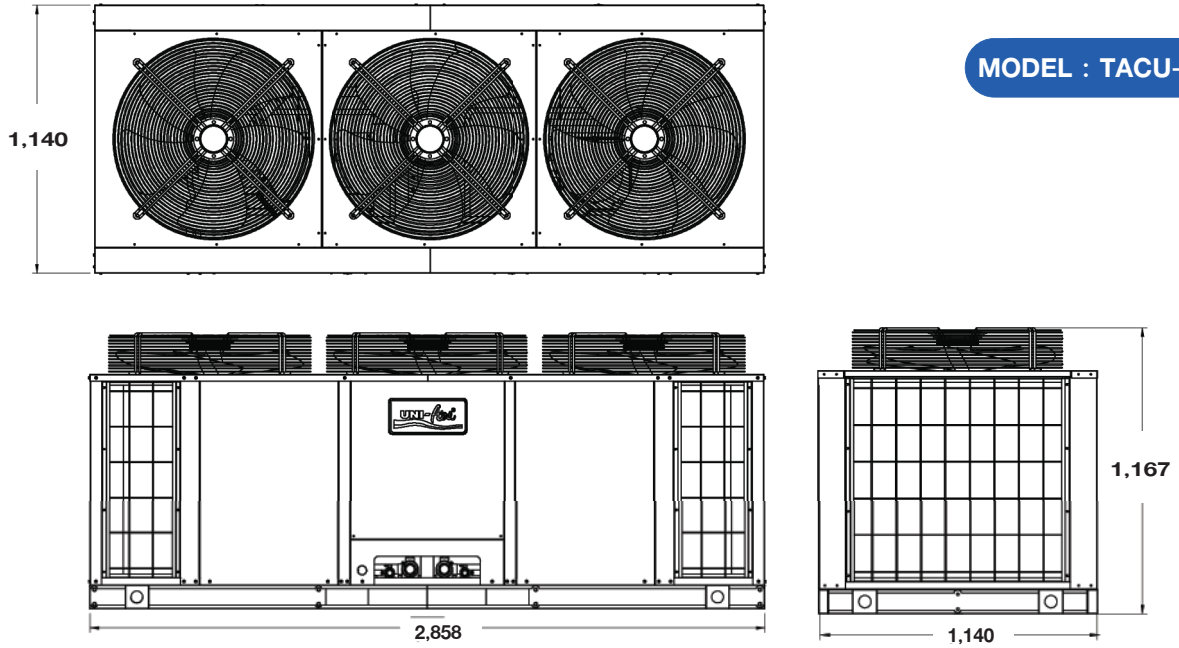


**MODEL : TACU-025AS to TACU-030AS-2C**





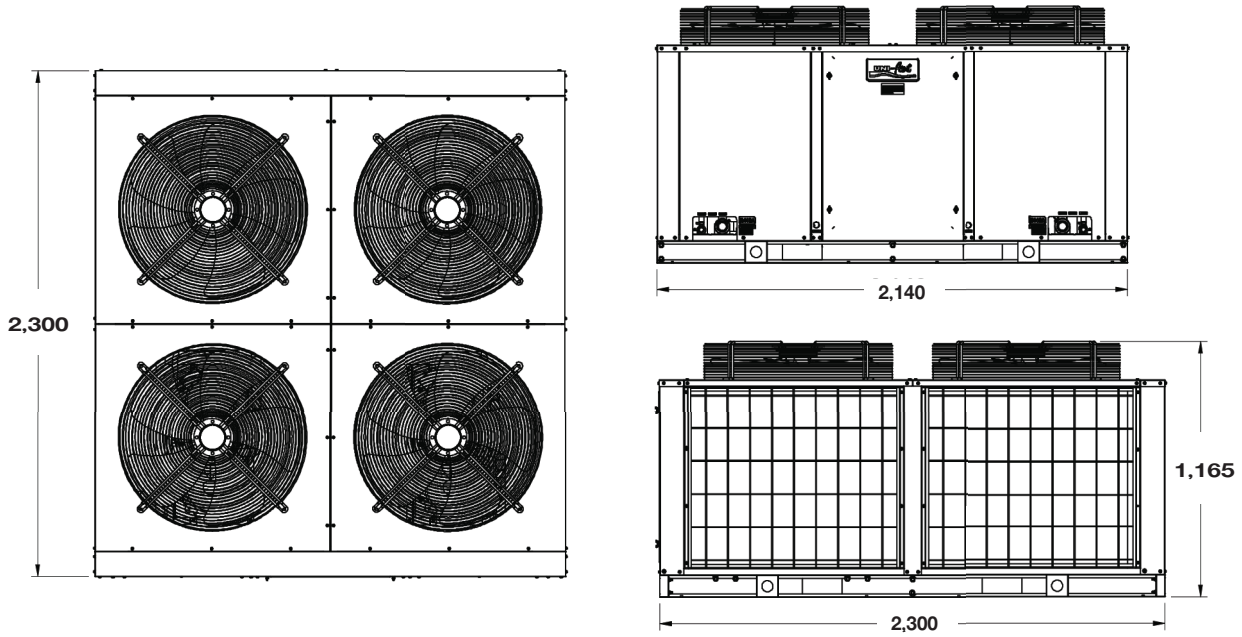
DIMENSIONAL DRAWINGS CONDENSING UNIT MODEL : TACU 040AS-2C to TACU-050A-2C



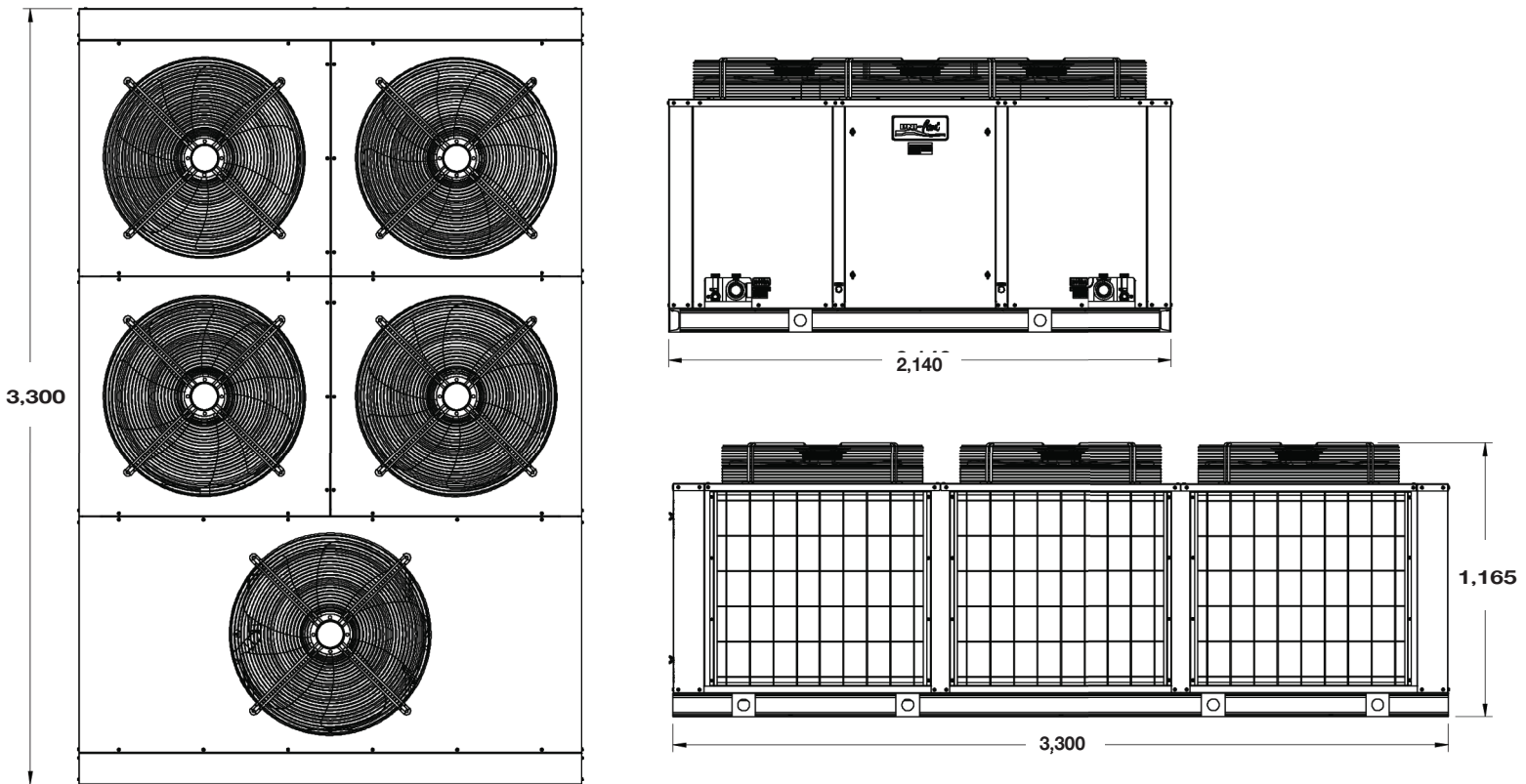


DIMENSIONAL DRAWINGS CONDENSING UNIT MODEL : TACU 060A-2C to TACU-070A-2C

MODEL : TACU-060A-2C

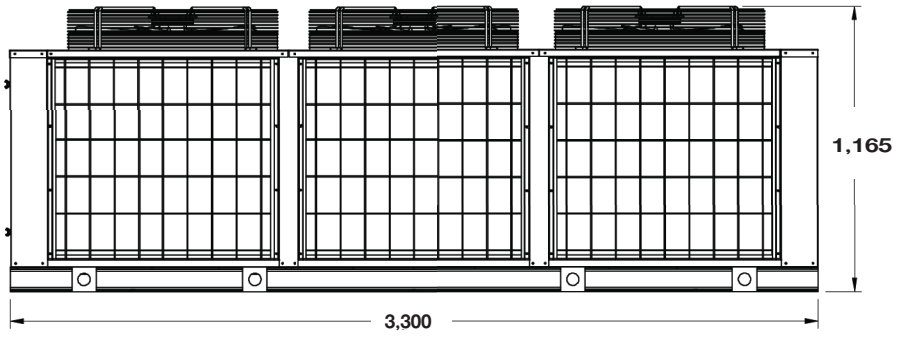
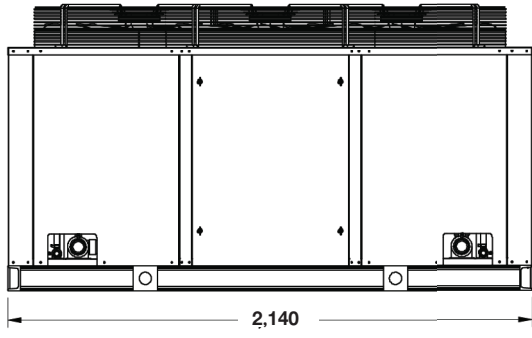
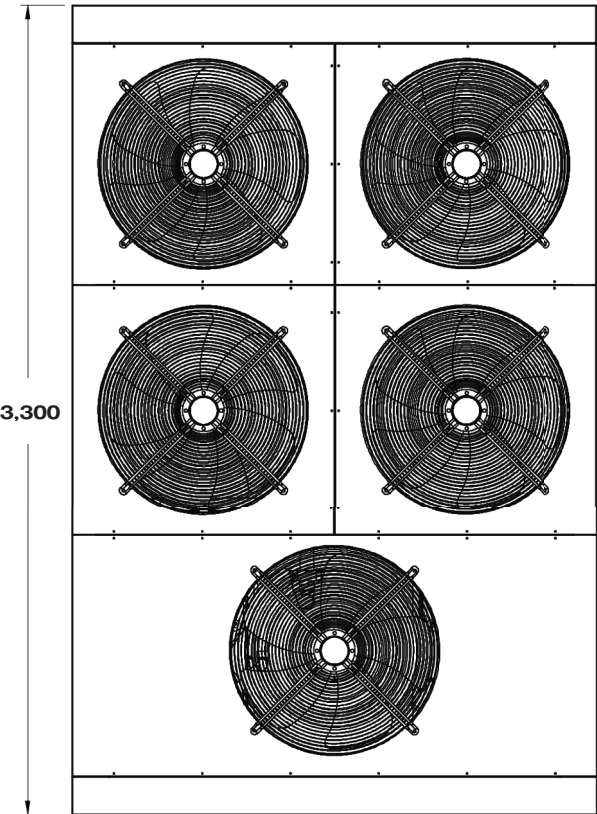


MODEL : TACU-070A-2C



DIMENSIONAL DRAWINGS CONDENSING UNIT MODEL : TACU-080A-2C

MODEL : TACU-080A-2C

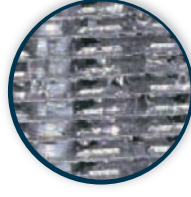


## SPECIFICATIONS, STANDARD ACCESSORIES



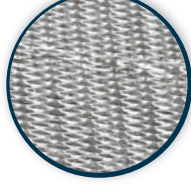
### Blower

Fans are designed with forward curved impellers. The drive is a direct drive type; it is flexible to high static pressure with maximum air flow. The drive components are lubricated and balanced at the factory.



### Cooling Coil

"The cooling coil is Aluminum fin with copper tubes that makes high heat transfer.



### Filter

Washable 1" aluminum Filter or any special filter such as a synthetic filter is an option.

## PHYSICAL DATA & ELECTRICAL DATA

		SPECIFICATION MODEL : SAHH/TACU													
		80,000	90,000	100,000	120,000	150,000	200,000	250,000	300,000	400,000	500,000	600,000	700,000	800,000	
Nominal Cooling Capacity	BTU/Hr	2.93	2.75	2.74	2.60	2.77	2.79	2.62	2.75	2.68	2.79	2.63	2.60	2.76	
COP	Watt / Watt	8.01	9.59	10.70	13.55	15.88	20.99	22.39	26.66	27.30	33.61	66.93	78.81	85.01	
Power Consumption	kW	14.97	18.77	21.07	25.36	31.91	38.09	43.36	49.65	51.28	67.42	133.54	149.24	154.28	
Rated Operation Current	Amp.														
Power Supply	Volt/Phase/Hz														
		380/3/50													
Fan Coil Unit	Model	SAHH-008A1	SAHH-009A1	SAHH-010A1	SAHH-012A1	SAHH-015A1	SAHH-020A1	SAHH-025A1	SAHH-030A1	SAHH-040A1	SAHH-050A1	SAHH-060A1	SAHH-070A1	SAHH-080A1	
	Type	Duct Type													
Air Flow Rate (Nominal)	CFM	2,600	3,000	3,300	4,000	5,000	6,600	8,300	10,000	13,300	16,600	20,000	23,300	26,600	
Air Flow Rate (Range)	CFM	2,100 - 3,100	2,500 - 3,500	2,800 - 3,800	3,500 - 4,500	4,000 - 6,000	5,100 - 8,100	6,300 - 10,300	8,000 - 12,000	11,300 - 15,300	13,600 - 19,600	17,000 - 23,000	20,300 - 26,300	23,600 - 29,600	
External Static Pressure	in.wg	1.00													
Blower	Type	Centrifugal Fan with Belt Drive													
	Quantity (PCS)	1													
	Power Input (kW)	1.81													
	Rate Current (Amp.)	3.67													
	Quantity (PCS)	1													
Evaporator Coil	Type	Aluminum Lower Fin with Inner Grooved Copper Tube (3/8")													
Expansion Device	Type	Thermal Expansion Valve (TXV)													
Air Filter	Type	Washable Aluminium Filter													
Drain Connection	Inch (OD)	3/4"													
Weight	kgs.	135	150	160	180	240	392	463	521	649	720	785	858	942	
Dimension	W x D x H	1:100x1,062x640													
Condensing Unit	Model	TACU-008AS	TACU-009AS	TACU-010AS	TACU-012AS	TACU-015AS	TACU-020AS	TACU-025AS	TACU-030AS	TACU-040AS	TACU-050A-2C	TACU-060A-2C	TACU-070A-2C	TACU-080A-2C	
	Type	Vertical Air Flow													
Condensing Coil Type		Aluminum Lower Fin with Inner Grooved Copper Tube (7 mm)													
Condenser Fan & Motor	Fan Type	Propeller Fan (With Motor Direct Drive)													
	Power Input (Watt)	485 x 2													
	Rate Current (Amp)	1.23 x 2													
	Quantity (Set)	2													
Compressor	Type	Scroll													
	Refrigerant	R-410A (Holding Charge)													
	Circuit of Refrigerant	1													
	Power Input (kW)	6.17	7.29	8.40	9.97	12.3	15.40	8.40 x 2	19.30	9.97 x 2	12.30 x 2	15.40 x 2	12.30 x 4	12.30x2)+(15.40x2)	15.40 x 4
	FLA (Amp)	11.00	13.87	16.17	18.00	24.55	27.07	16.17 x 2	34.37	18.00 x 2	24.55 x 2	27.07 x 2	18.00 x 4	(24.55x2)+(27.07x2)	27.07 x 4
	LRA (Amp)	101	127	153	153	174	219	153	272	153	174	219	174	174 : 219	219
Pipe Connection	Suction Line (Inch)(OD)	7/8"													
	Liquid Line (Inch)(OD)	1/2"													
DIMENSION (W x D x H)	mm.	800 x 750 x 945													
	kgs.	120	142	150	170	185	215	250	360	390	415	485	683	823	935



## UNIAIRE CORPORATION CO., LTD.

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