

# MODEL CAHV/H / TACU-VACU

**AIR HANDLING UNIT**

**AIR QUANTITY**

**FROM 1,450 TO 23,000 CFM.**

**COOLING CAPACITY**

**FROM 80,000 TO 750,000 BTUH**



**UNI-Aire**<sup>®</sup>  
Air Conditioning Experts

## FEATURES

- Easy Installation & Maintenance
- High Performance & High External static
- Heavy-duty Blower
- Copper tube with Aluminium Fin Coils

SPECIFICATION MODEL : CAHV/H / TACU												SPECIFICATION MODEL : CAHV/H / VACU																														
Nominal Cooling Capacity (BTU/Hr)	80,000	90,000	100,000	120,000	150,000	200,000	250,000	200,000	250,000	300,000	400,000	500,000	600,000	750,000																												
COP (Watt / Watt)	3.09	3.03	2.74	2.76	2.91	2.97	2.93	2.80	2.82	2.83	4.44	2.44	1.38	1.05																												
Power Consumption (kW)	7.60	8.72	10.70	12.75	15.08	19.71	24.98	20.95	26.02	31.05	26.40	59.99	127.44	210.04																												
Rated Operation Current (Amp)	14.18	17.08	20.83	23.86	30.46	34.34	45.45	39.27	48.04	58.71	49.97	123.10	256.30	459.50																												
Power Supply (Volt/Phase/Hz)	380/3/50																																									
Fan Coil Unit	Model	CAHV/H-008A1	CAHV/H-009A1	CAHV/H-010A1	CAHV/H-012A1	CAHV/H-015A1	CAHV/H-020A1	CAHV/H-025A1	CAHV/H-020A1-2C	CAHV/H-025A1-2C	CAHV/H-030A1-2C	CAHV/H-040A1-2C	CAHV/H-050A-2C	CAHV/H-060A-2C	CAHV/H-075A-2C																											
	Type	Duct Type																																								
Air Flow Rated (Nominal) (CFM)		1,950	2,500	2,950	3,300	4,250	6,500	7,000	6,500	7,000	8,000	10,500	13,400	16,000	20,000																											
Air Flow Rated (Range) (CFM)		1,450-2,450	2,000-3,000	2,450-3,450	2,800-3,800	3,250-5,250	5,000-8,000	5,000-9,000	5,000-8,000	5,000-9,000	6,000-10,000	8,500-12,500	10,400-16,400	12,000-20,000	17,000-23,000																											
External Static Pressure (in.wg)		0.21	0.22	0.22	0.23	0.24	0.37	0.56	0.37	0.56	0.65	0.75	0.98	1.13	1.15																											
Blower	Type	Centrifugal (Vertical or Horizontal Discharge) (Belt Drive)																																								
	Quantity (PCS)	1						2																																		
Motor	Power Input (Watt)	0.94			1.81		2.61		3.51		2.61		3.51		4.28		6.49		8.46		12.25																					
	Rated Current (Amp)	1.95			3.40		4.87		6.50		4.87		6.50		7.53		11.10		15.30		21.50																					
	Quantity (PCS)	1																																								
Evaporator Coil	Aluminium Louver Fin with Inner Grooved Copper Tube (3/8")																																									
Expansion Device Type	Thermostatic Expansion Valve (TXV)																																									
Control Type	Optional																																									
Air Filter Type	Aluminium Filter																																									
Drain Connection (Inch/OD)	3/4			1			1-1/4																																			
CAHV : Dimension (WxDxH) (mm.)	1,120x601x1,332			1,370x601x1,332			1,570x601x1,332			1,998x712x1,667			1,998x770x1,877			2,270x870x2,123			2,368x1,079x2,328			2,824x1,079x2,328			3,230x1,079x2,500																	
CAHV : Weight (kgs.)	130			143			160			184			240			260			240			260			305			365			415			470			600					
CAHH : Dimension (WxDxH)	1,276x1,234x656			1,526x1,234x656			1,726x1,234x656			2,154x1,561x772			2,154x1,778x832			2,426x2,023x934			2,368x2,235x1,260			2,820x2,235x1,260			3,310x2,559x1,260																	
CAHH : Weight (kgs.)	143			144			160			180			198			260			280			260			280			327			388			450			510			650		
Condensing Unit	Model	TACU-008AS	TACU-009AS	TACU-010AS	TACU-012AS	TACU-015AS	TACU-020AS	TACU-025AS	TACU-020AS-2C	TACU-025AS-2C	TACU-030AS-2C	TACU-040AS-2C	TACU-050A-2C	TACU-060A-2C	TACU-070A-2C																											
Unit	Type	Vertical Air Flow																																								
Condenser Coil Type	Aluminium Louver Fin with Inner Grooved Copper Tube (7 mm.)							Aluminium Louver Fin with Inner Grooved Copper Tube (3/8")																																		
Fan + Motor	Fan Type	Propeller (With Motor Direct Drive)																																								
	Power Input (kW)	0.485			0.850		1.087		0.850		1.087		1.468																													
	Rated Current (Amp)	1.23			1.20		2.29		1.20		2.29		2.3																													
	Quantity (Set)	1			2				3			4		6																												
Compressor	Type	Scroll																																								
	Refrigerant	R-410A (Holding Charge)																																								
	Circuit of Refrigerant	1							2																																	
	Power Input (kW)	6.17	7.29	8.40	9.97	12.30	15.40	19.30	8.32	10.17	12.30	8.32	22.83	27.33	31.497																											
	FLA (Amp)	11.00	13.90	16.20	18.00	24.60	27.07	34.37	16.00	18.48	23.30	16.00	49.30	56.40	70.70																											
	LRA (Amp)	101	127	153	153	174	219	272	139	153	174	139	270	300	390																											
	Quantity (PCS)	1							2							4		6																								
Pipe Connection	Suction Line (Inch/OD)	7/8	1-1/8			1-3/8		1-5/8		1-1/8 (x2)			1-3/8 (x2)		1-5/8 (x2)		2-1/8 (x2)																									
	Liquid Line (Inch/OD)	1/2			5/8		7/8		1/2 (x2)			5/8 (x2)		7/8 (x2)																												
Dimension (WxDxH) (mm.)	800x750x945			1,500x750x945			2,140x1,140x1,165									2,860x1,140x1,165		2,200x2,509x2,030		2,200x3,624x2,030																						
Weight (kgs.)	120	142	150	170	185	370	425	480			550	1,264	1,278	1,686																												

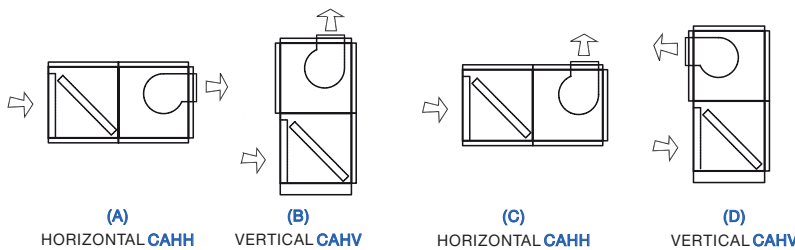
\*Nominal cooling capacity based on 80 °FDB and 67 °FWB entering air temp., And 45 °F suction temp. and 95 °F ambient temp.

Specification are subjected to change without notice for future improvement

FLA = Full Load Amp.

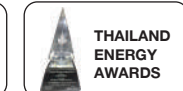
LRA = Locked Rotor Amp

ALTERNATE BLOWER ARRANGEMENTS



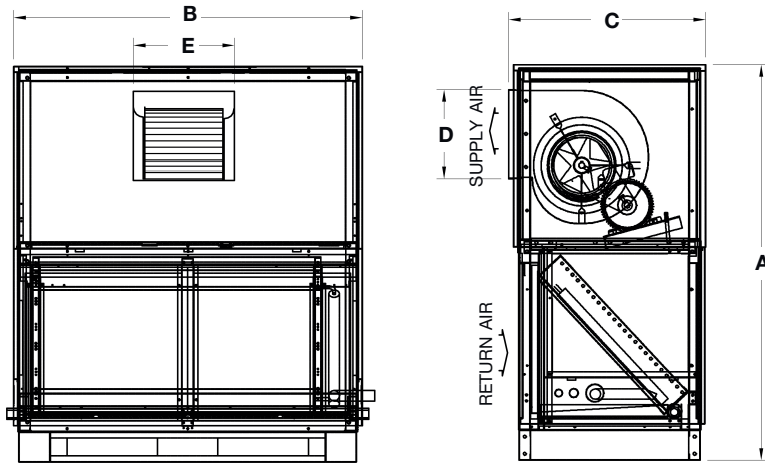
"Orders without specific blower arrangement will be considered as standard configuration (A or B)"

CONDENSING UNIT

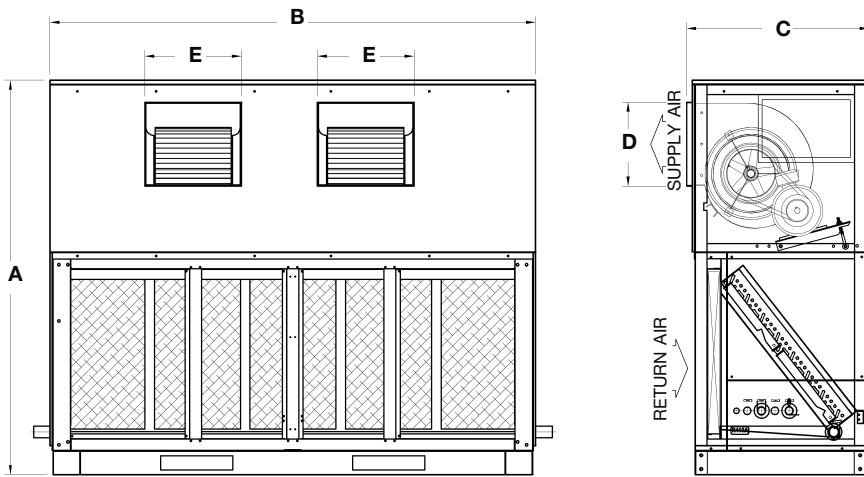


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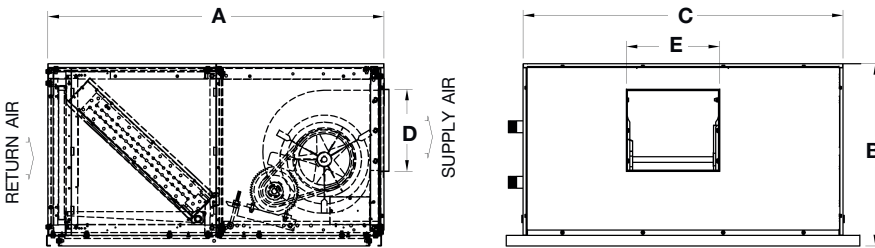
**DIMENSIONAL DRAWINGS MODEL : CAHV/H**



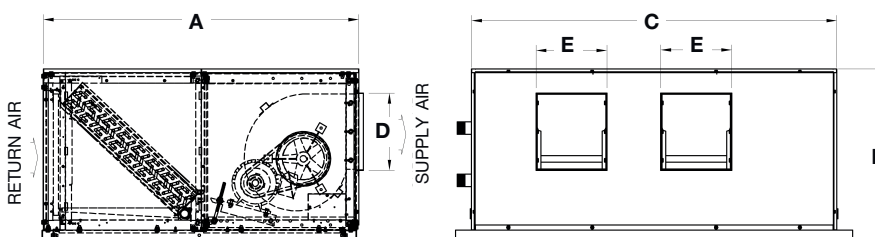
MODEL	DIMENSIONS				
	A	B	C	D	E
CAHV-008A1	1,313	1,157	633	296	335
CAHV-009A1	1,313	1,157	633	340	395



MODEL	DIMENSIONS				
	A	B	C	D	E
CAHV-012A1	1,313	1,402	633	293	273
CAHV-015A1	1,313	1,606	655	295	337
CAHV-020A1	1,643	2,024	761	349	403
CAHV-025A1	1,643	2,024	761	349	403
CAHV-030A1	1,858	2,030	821	410	477
CAHV-040A1	2,104	2,302	917	413	480

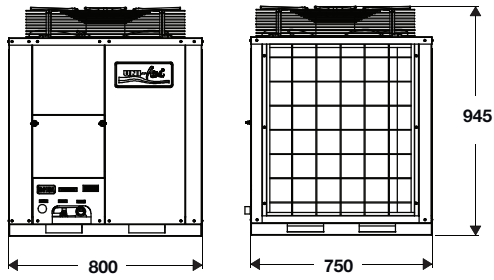


MODEL	DIMENSIONS				
	A	B	C	D	E
CAHH-008A1	1,234	656	1,154	296	335
CAHH-009A1	1,234	656	1,154	340	395

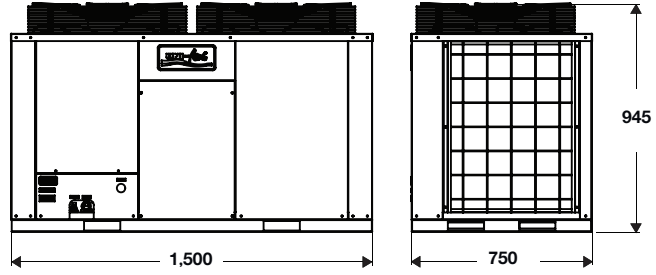


MODEL	DIMENSIONS				
	A	B	C	D	E
CAHH-012A1	1,234	656	1,404	293	273
CAHH-015A1	1,234	656	1,604	295	337
CAHH-020A1	1,561	772	2,032	349	403
CAHH-025A1	1,561	772	2,032	349	403
CAHH-030A1	1,778	832	2,032	410	477
CAHH-040A1	2,023	934	2,376	413	480

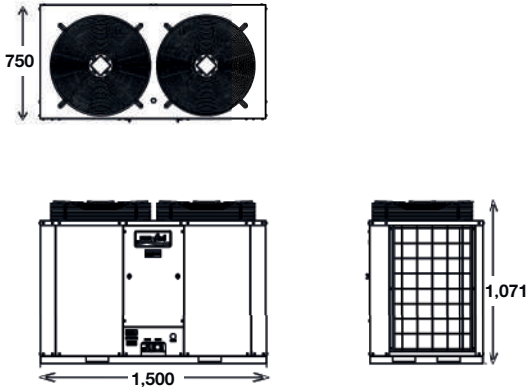
**MODEL : TACU-008AS to TACU-010AS**



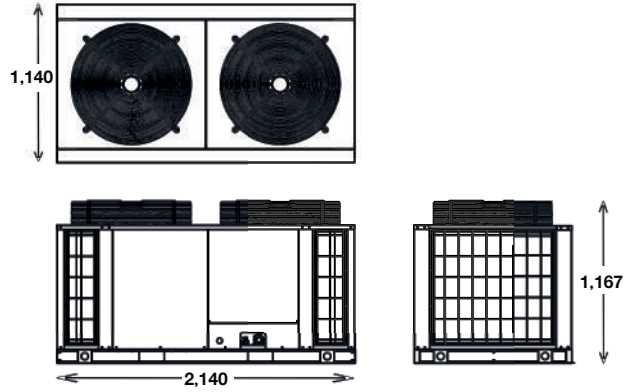
**MODEL : TACU-012AS to TACU-015AS**



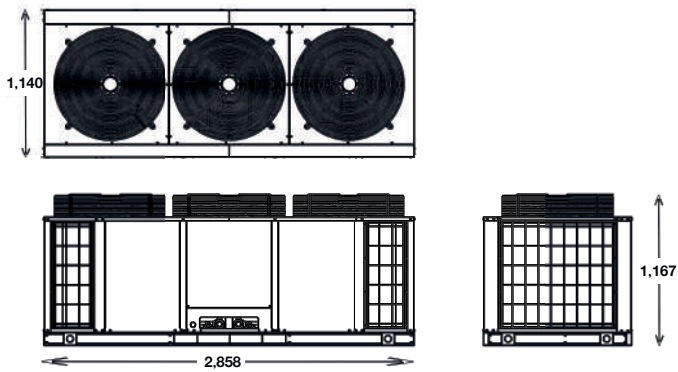
**MODEL : TACU-020AS**



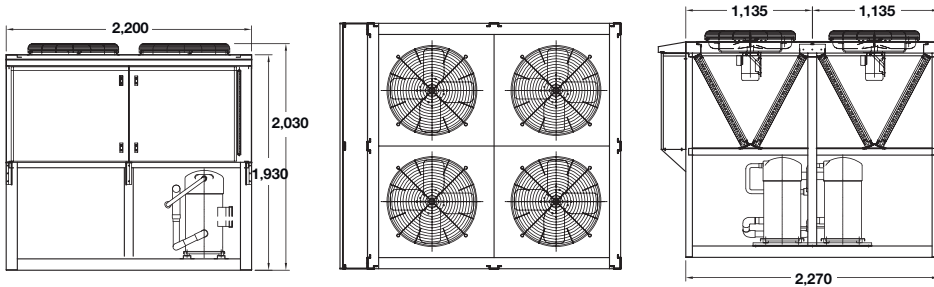
**MODEL : TACU-020AS-030AS**



**MODEL : TACU-040AS**



**MODEL : VACU-050A to VACU-060A**



**MODEL : VACU-070A**

