

MODEL TACU

AIR-COOLED CONDENSING UNIT

CAPACITY FROM 80,000 TO 800,000 BTUH



FEATURES

- Compact size and easy installation
- High efficiency hermetic scroll compressor
- Direct drive condenser fan
- High and low pressure switches for protection of valuable equipment (standard on all units)
- R-410a Refrigerant

Special fin type for anti corrosion purpose



Green guard coated on Condenser coils

Corrosion prevention caused by ocean vapor and chemicals which extends coil life span.

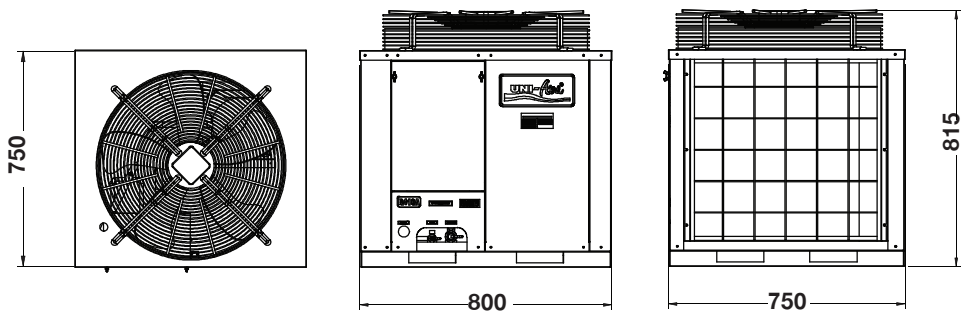


Copper fin condenser coil

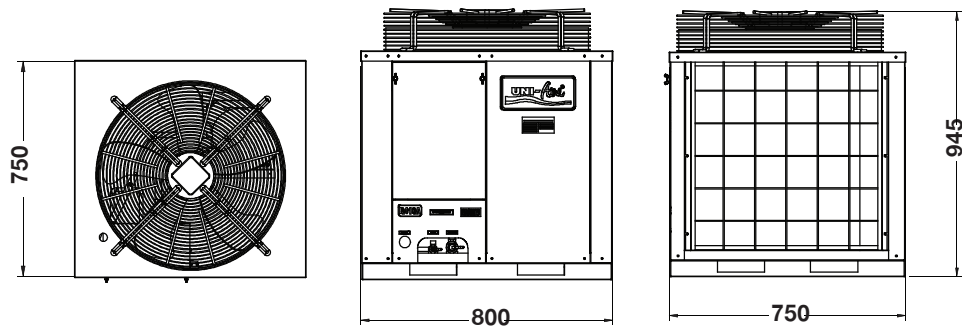
Fin made from copper, extends life span of condenser coil. Suitable for seaside area and high acidic factory environment.

**Consulting Uni-Aire's sales engineer for possibility for each location is recommended.*

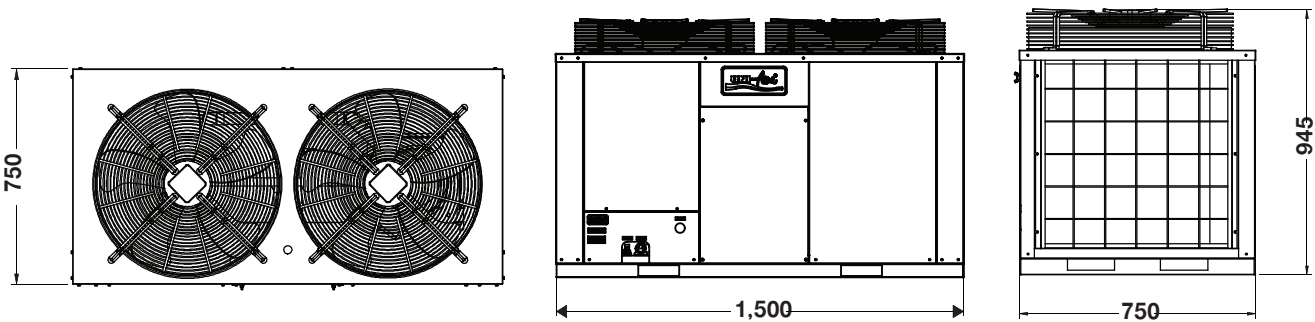
MODEL : TACU-008AE



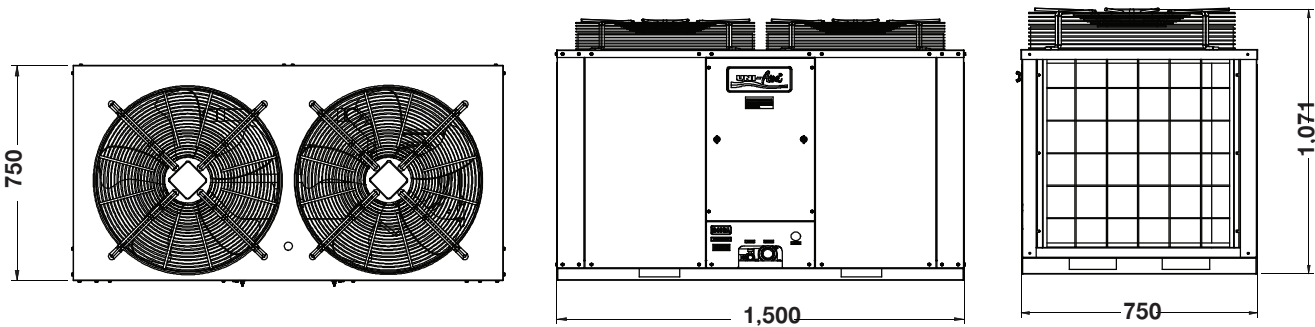
MODEL : TACU-009AS to TACU-010AS



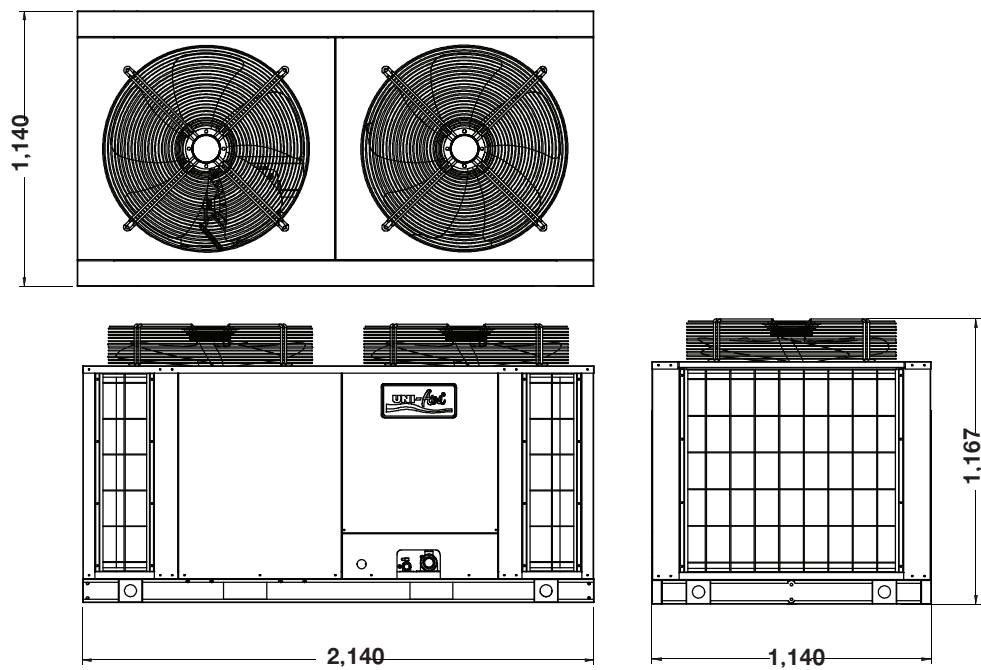
MODEL : TACU-012AS to TACU-015AS



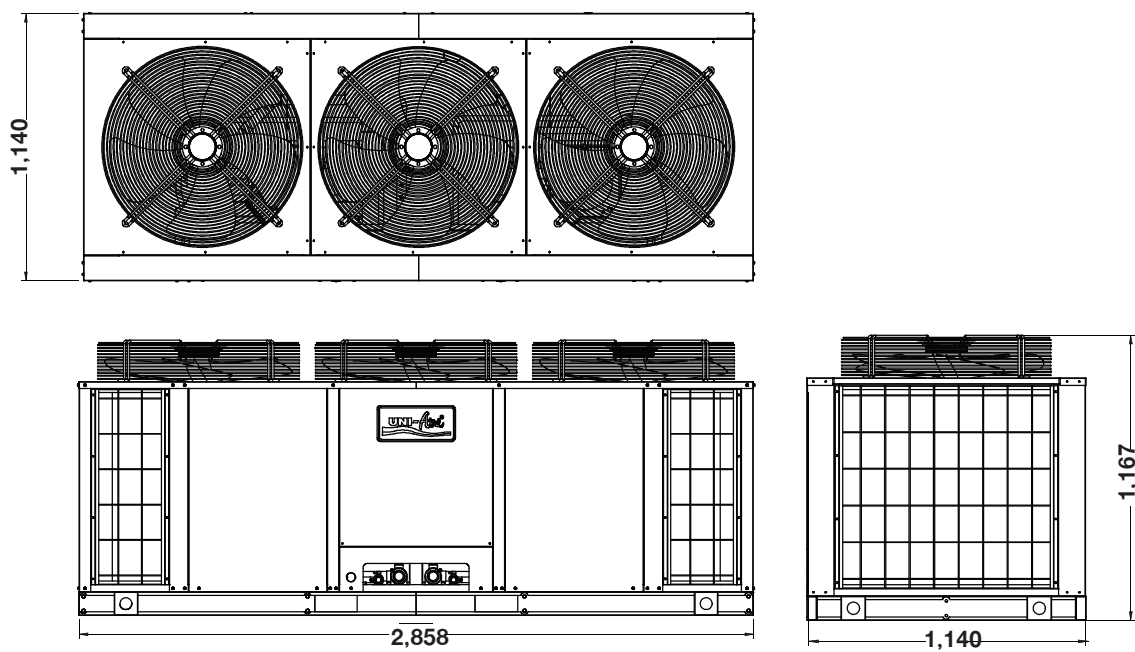
MODEL : TACU-020AS



MODEL : TACU-025AS to TACU-030AS



MODEL : TACU-040AS



SPECIFICATIONS, STANDARD ACCESSORIES

UNIT CASING

- Constructed of zinc-coated heavy-gauge, Galvanized steel
- Powder coated for protection against rust

COMPRESSOR

- Hermetic scroll compressor
- Compressor mounted on vibration isolators

AIR COOLED CONDENSER

- Seamless copper tubes, mechanically expanded into aluminum ns with full height collars
- Leak tested at 600 PSIG from factory
- Dynamically and statically balanced, direct-drive fan

REFRIGERATION PARTS

- Service valves for suction line and liquid line

ELECTRICAL PARTS

- Magnetic contactor for fan motor
- Magnetic contactor for compressor
- High-Low pressure switches

PHYSICAL DATA & ELECTRICAL DATA

SPECIFICATION MODEL : TACU													
Model	TACU	008AE	008AS	009AS	010AS	012AS	015AS	020AS	025AS	020AS-2C	025AS-2C	030AS-2C	040AS-2C
Nominal Capacity	BTU/H	80,000	80,000	90,000	100,000	120,000	150,000	200,000	250,000	200,000	250,000	300,000	400,000
Power Supply	V/Ph/Hz	220/3/60											
Power Consumption	kW	6.79	6.79	7.55	9.29	11.30	14.15	16.25	23.04	18.38	20.92	26.24	35.65
Compressor	Type	Scroll											
	Circuits	1								2			
Condenser coil	Type	Aluminum Louver Fin with Inner Groove Copper Tube											
Face Area	ft2	12.40	14.88			20.25		23.65	40.51	23.65	40.51		49.19
Row / FPI		3/14		3/16	4/14	2/16	3/14	4/16	3/14	4/16	3/14	4/14	3/16
Tube Size	Inch	7 mm.											
Condenser Fan & Motor		Propeller Fan : Vertical Discharge : Direct Drive											
Quantity		1				2							
Power	W	652				652 X 2							
RPM		1,063							1,057	1,063	1,057		
Air Quantity	CFM	6,300				12,600			20,000	12,600	20,000		
Refrigerant	Type	R-410a											
Charge		Holding Charge : R410a											
Connection													
Suction	Inch	7/8		1-1/8				1-3/8	1-5/8	1-1/8	1-1/8x2		1-3/8x2
Liquid	Inch	1/ 2				5/8		7/8		1/2 x2		5/8 x2	7/8 x2
Dimension													
Length	mm.	800				1,500			2,140	1,500	2,140		2,850
Width	mm.	750			753	750			1,140	750	1,140		
Height	mm.	815		945			645	1,074	1,165	1,074	1,165		

***Nominal Capacity Based on 45F Suction Temp. And 95F ambient temp (1 MBH. = 1,000 BTUH)

ELECTRICAL DATA

Model	TACU	008AE	008AS	009AS	010AS	012AS	015AS	020AS	025AS	020AS-2C	025AS-2C	030AS-2C	040AS-2C
Compressor (Each)	Quantity	1								2			
	V/Ph/Hz	220/3/60											
	Power Input (Watt)	6,140		6,900	8,640	10,000	12,850	14,950	19,200	8,540x2		11,200x2	14,950x2
	FLA. (Amp.)	18.74		20.24	26.68	30.38	140.17	48.89	56.22	25.41x2		33.27x2	48.89x2
	LRA. (Amp.)	164			225	239	300	340	505	240x2		245x2	340x2
Fan Motor (Each)	Quantity	1				2						3	
	V/Ph/Hz	220/3/60											
	Power Input(Watt)	652				652x2			1,918x2	652x2	1,918x2		1,918X3
	FLA. (Amp.)	2.25				2.25x2			6.37x2	2.25x2	6.37x2		6.37X3

FLA = full Load Amp.

LRA = Locked Rotor Amp

**Eurovent certified for model DAHH only.



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