

MODEL TACU

AIR-COOLED CONDENSING UNIT

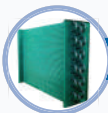
CAPACITY FROM 80,000 TO 800,000 BTUH



FEATURES

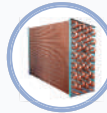
- Compact size and easy installation
- High efficiency hermetic scroll compressor
- Direct drive condenser fan
- High and low pressure switches for protection of valuable equipment (standard on all units)
- R-410a Refrigerant

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.

UNI-Aire[®]

Air Conditioning Experts

DIMENSIONAL DRAWINGS CONDENSING UNIT MODEL : TACU-008AE to TACU-020AS

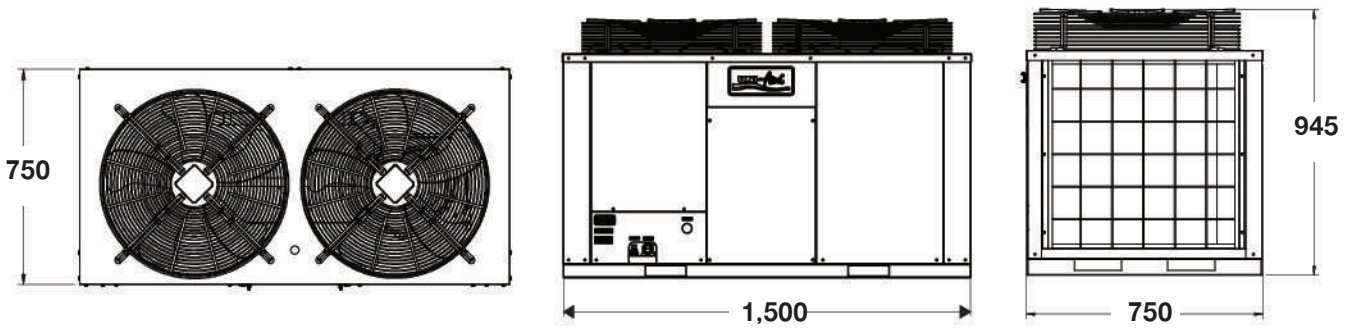
MODEL : TACU-008AE



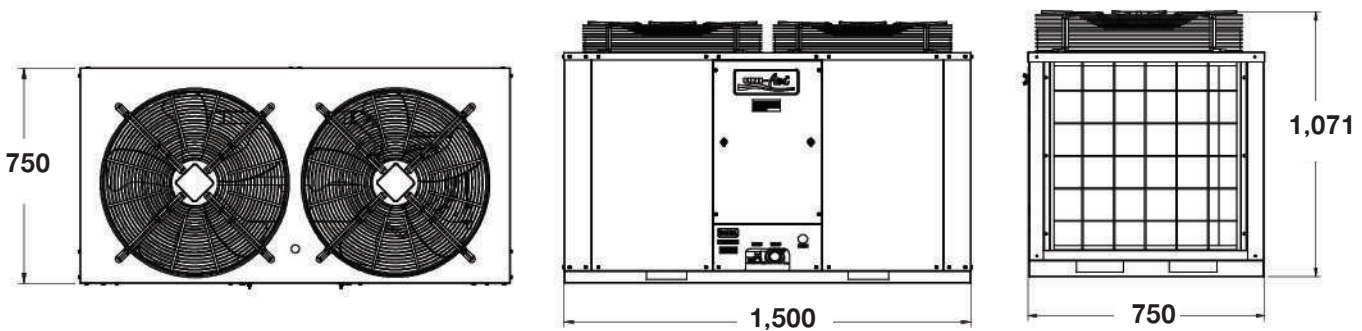
MODEL : TACU-009AS to TACU-010AS



MODEL : TACU-012AS to TACU-015AS



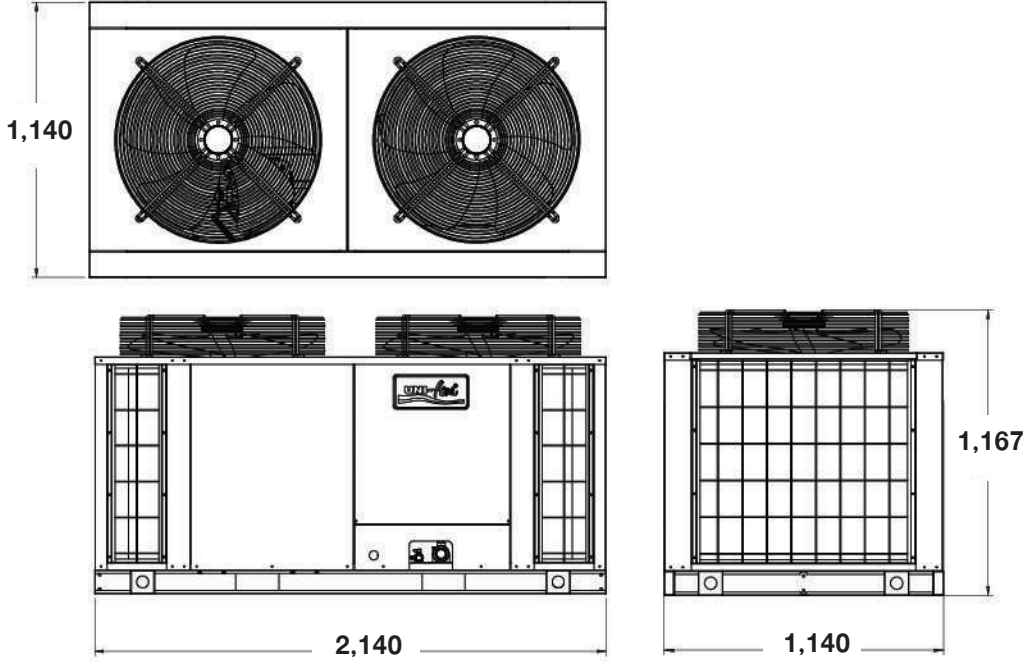
MODEL : TACU-020AS



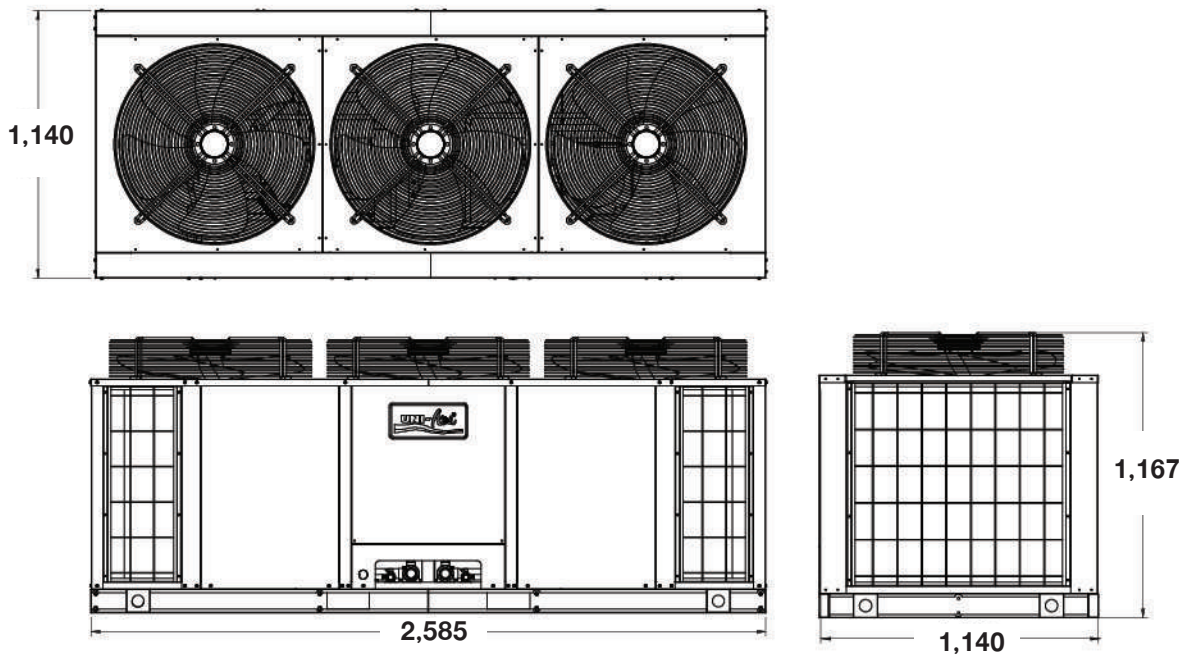
Unit : mm. (Millimeter)

DIMENSIONAL DRAWINGS CONDENSING UNIT MODEL : TACU-025AS to TACU-040AS

MODEL : TACU-025AS to TACU-030AS



MODEL : TACU-040AS



Unit : mm. (Millimeter)

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 fins 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	ft ²	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



ISO 9001
ISO 14001
ISO 45001
ISO 14064-1



ISO/IEC17025



TIS. 2134
TIS.1529



TIS 17025



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TLS.8001



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PRIME MINISTER'S AWARD

- BEST THAI BRAND
- BEST EXPORTER
- GREEN INNOVATION



THAILAND ENERGY AWARDS

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