

AMRTA

# Tent Packaged Unit





## About Amrta

At Amrta, we are about designing and manufacturing highly efficient, reliable and customer-focused products.

We have one of the stringent control mechanisms in place for manufacturing processes and product quality.

Amrta always works closely with customers. We continually strive to meet the customer's demands and listen to the ideas through our distributors.

We are determined to keep on our endeavor and commitment in technology progression and product improvement, by working together with our customers and distributors in its task of offering solutions in environmental technologies with highest innovation, dependability, quality and energy efficiency.



## Features

The tent packaged unit was developed primarily to provide air cooling in tents or transportable buildings. It not only provides greater comfort but also protects equipment and materials from hot weather damage.

The tent packaged unit is fitted with flexible duct and the unit itself must be located outside. The function of the tent packaged unit is based on a cooling circuit and powerful fans. The evaporator section contains the evaporator and a centrifugal fan, which draws warm internal air of the tent through the cold evaporator and blows out the cooled air through the side or the top of the unit.

The condenser section contains two condenser coils and a large axial fan, returning the heat taken from the internal air to the outside atmosphere.

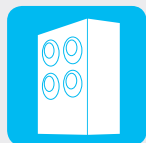
The tent packaged unit also have heat pump, can supply warm air into the tent in winter. Use the Panasonic scroll compressor, Amrta tent packaged unit can supply hot air at  $-10^{\circ}\text{C}$  to  $20^{\circ}\text{C}$ .



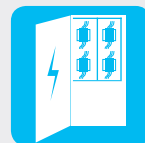
Self-contained  
Package Design



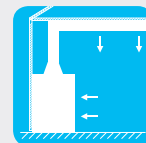
Special Unit  
Structure Design



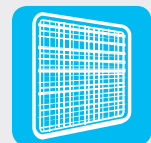
Plenum Chamber



Digital Controller



Long Distance  
Air Supply



Easy Maintenance



- Self-contained package design

Easy installation with just connecting condensate drainage and electrical power supply, equipped with connecting plug.

- Special unit structure design

The tent wall can be installed in between of evaporator and condenser with the gap of 100-150mm.

- Plenum chamber

3 meter height with better air circulation and strong air flow.

- Digital controller

LED display, timer display, fan speed display, temperature display, error code display, mode display.

- Long distance air supply

High external static pressure (max 350pa) with 30 meter air throws.

- Easy maintenance

Air filter is easily dismantled and cleaned.

## Structure



Plenum Chamber



Axial Fan



Electric Component



Heat Exchanger



Compressor



Centrifugal Fan

## Technical data

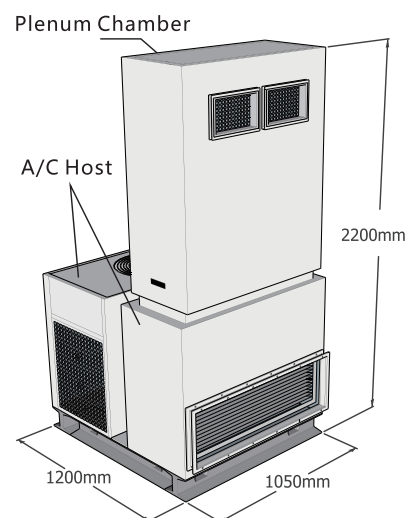
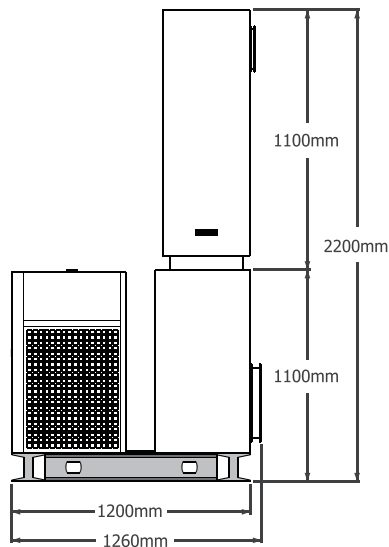
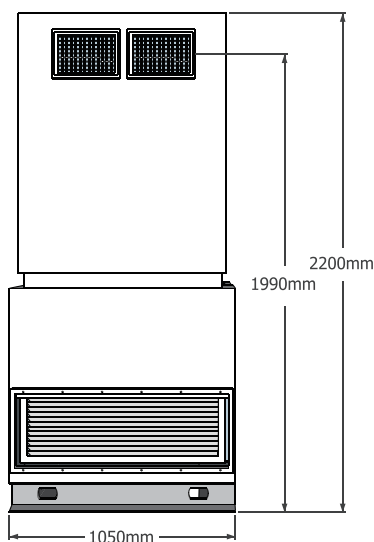
Model			TA14	TA28
Cooling capacity		kW	13.0	26.0
		Btu/h	45000	90000
		HP	5	10
Heating capacity		kW	-	-
		Btu/h	-	-
Cooling power input		kW	5.0	10.0
Heating power input		kW	-	-
Running current	Cooling	A	8.7	17.5
	Heating	A	-	-
Start current	Cooling	A	26.0	35.0
	Heating	A	-	-
Adjustable capacity		%	0,100%	0,50%,100%
Power supply			380V/50Hz	380V/50Hz
E.S.P		Pa	100	100
Compressor	Type		Rotary compressor	Rotary compressor
	Start mode		Directly	Directly
	Brand		Hitachi	Hitachi
	Capacity	W	15050	15050
		Btu/h	51350	51350
	Input	kW	4.56	4.56
	Rated current(RLA)	A	8	8
	Locked rotor Amp(LRA)	A	55	55
	Applied Qty	Pcs	1	2
	Oil heater power input	W	/	/
Evaporator	Fin material type		Aluminum fin	Aluminum fin
	Tube material type		Inner grooved copper	Inner grooved copper
	Fin spacing	mm	1.80	1.80
	Tube diameter	mm	φ9.52	φ9.52
	Number of row		3	4
Condenser	Fin material type		Aluminum fin	Aluminum fin
	Tube material type		Inner grooved copper tube	Inner grooved copper tube
	Fin spacing	mm	1.60	1.60
	Tube diameter	mm	φ7	φ7
	Number of row		2	3
Evaporating fan	Type		High efficiency centrifugal fan	High efficiency centrifugal
	Air discharge type		Top discharge	Top discharge
	Mode		LKW225L-4	LKW225L-4
	Rated ESP air flow	m <sup>3</sup> /h	2800	2800
	Fan power	W	0.45	0.45
	Numbers	Pcs	1	2
	Flange dimension	mm	φ400	φ400
Condensing fan	Type		High efficiency axial fan	High efficiency axial fan
	Air discharge type		Top discharge	Top discharge
	Rated ESP air flow	m <sup>3</sup> /h	6000	12000
	Fan power	W	0.25	0.55
	Blade numbers	Pcs	6	6
	Numbers	Pcs	1	1
Refrigerant	Throttle mode		Capillary	Capillary
	Charge amount	kg	4kg/Circuits	8kg/Circuits
Unit dimension	Width	mm	1050	1050
	Depth	mm	1200	1700
	Height	mm	1100	1100
Unit noise level		dB(A)	65	67
Unit weight		kg	320	450

## Applications

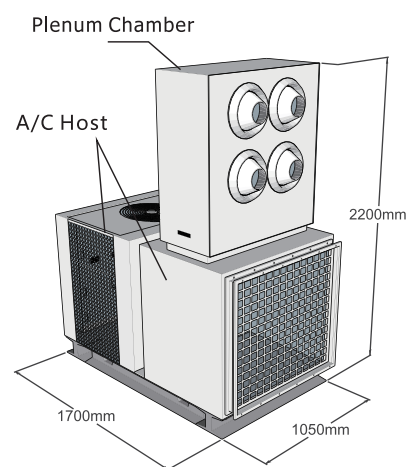
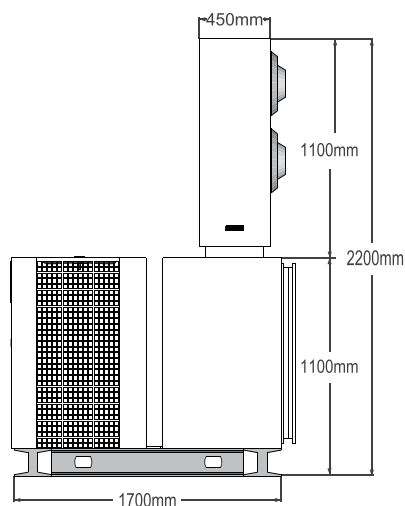
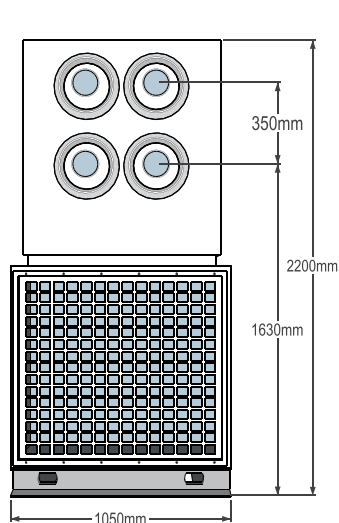
- Exhibitions
- Military
- Wedding Ceremonies
- Birthday Parties
- Beer Festivals
- Sporting Events

# Standard Dimensions

## • Model TA14



## • Model TA28

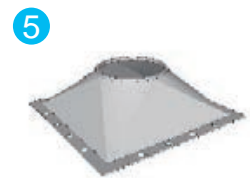
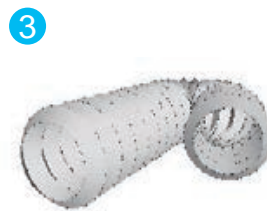


## Main components

Cool air blown with Plenum Chamber



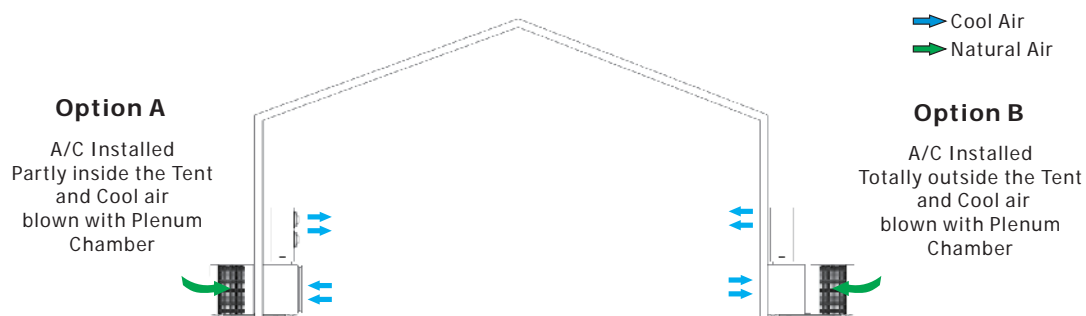
Cool air blown with Air Duct



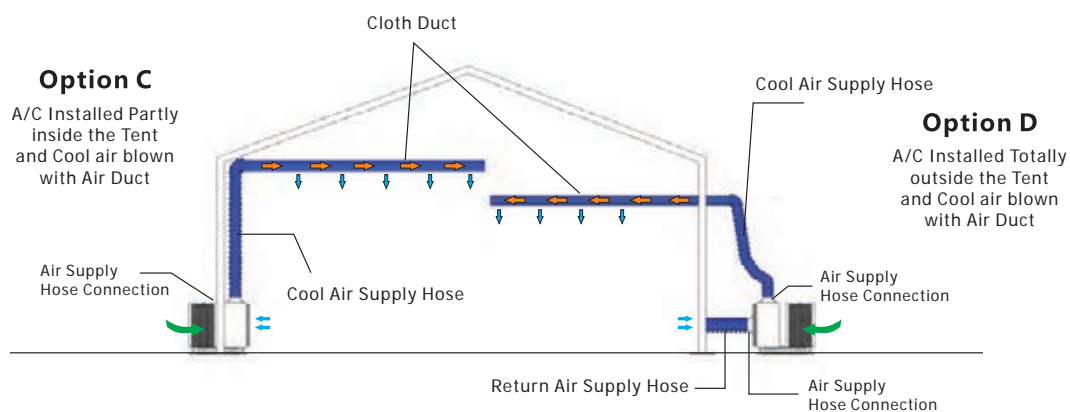
1. A/C Host (Standard)
2. Plenum Chamber (Standard)
3. Air Supply Hose (Optional Accessories)
4. Cloth Duct (Optional Accessories)

5. Cool Air Supply  
Hose Connection (Optional Accessories)
6. Return Air Supply  
Hose Connection (Optional Accessories)

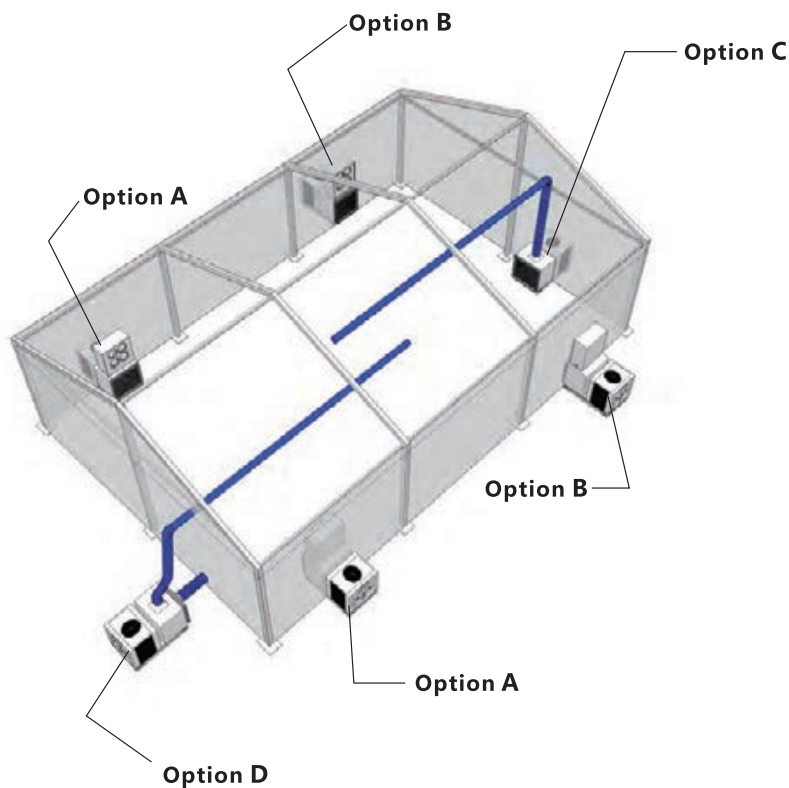
# Installation guide



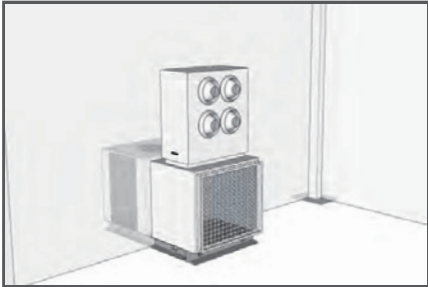



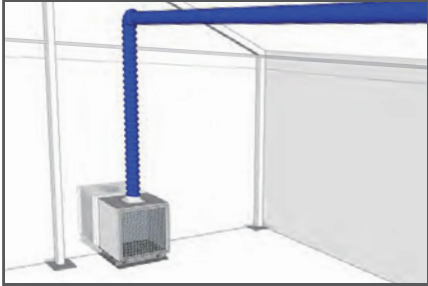



Demonstration of A/C Installed Inside and Outside the Tent



Demonstration of A/C Installed with Air Duct





<p>Option A: A/C Installed Partly inside the Tent and Cool air blown with Plenum Chamber</p>		
<p>Option B: A/C Installed Totally outside the Tent and Cool air blown with Plenum Chamber</p>		
<p>Option C: A/C Installed Partly inside the Tent and Cool air blown with Air Duct</p>		
<p>Option D: A/C Installed Totally outside the Tent and Cool air blown with Air Duct</p>		



## Product series

Air cooled mini chiller



Air cooled modular chiller



Air cooled screw chiller



Rooftop packaged unit



Tent packaged unit



Water cooled packaged unit



Water cooled scroll chiller



Water cooled screw chiller



Water chilled fan coil unit





<http://www.amrtahvac.com>

Office telephone: 0086-531-67807798  
For more information, contact [info@amrta.com.cn](mailto:info@amrta.com.cn)

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AMRTA has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.