

Technical information for Truck Refrigeration Unit ZT400



Cooling Capacity (Environmental Temperature 37.8°C)	1.7 °C	4.25 kW
	-17.8 °C	2.42kW
Applicable Temperature	-25~20 °C	
Applicable Volume	16~25 m ³	
Compressor	Model	QP16
	Type	Swash Plate
	Displacement	163cc
	Lubricant Type	POE RL68H
Condenser	Type	Parallel Fow
	Fan Model	Axial Fan
	Voltage	12V/24V
Evaporator	Type	Internal thread copper pipe aluminum fin
	Fan Model	Centrifugal Fan
	Voltage	12V/24V
Throttling Type		External Equalizer Expansion Valve
Refrigerant		R404a
Refrigerant Filling Volume		1.5 kg
Defrost Type		Hot Gas Defrost
Installation Type		Front integrated Type
Dimensions		L*W*H=1508*608*652mm
Weight		95 kg

Note: 1.The cooling capacity is tested according to the conditions specified in GB / T 21145-2007;
2.The insulation performance of refrigerated containers complies with the relevant provisions of GB 29753-2013.



Condenser Fan



Compressor



Condenser Core



Control Panel



Evaporator Coil

1. Evaporator and condenser fan

Evaporator fan and Condenser fan Chinese famous brand. High air volume, low noise, high efficiency.

2. Evaporator Coil

SONGZ brand, adopt small diameter ($\varnothing 7\text{mm}$) and inner grooved copper tube, comparing to $\varnothing 9\text{mm}$ copper tube, the coefficient of heat transfer is improved by 5%, condensing temperature declines $2\sim 3^{\circ}\text{C}$, system efficiency rises 5~8%, refrigerant filling declines 10%.

3. Condenser Core

Adopts advanced micro-channel and variable flow technology. Its compact structure has a higher heat transfer coefficient, light weight, lower cost and less refrigerant charge.

4. Expansion Valve

DANFOSS brand, high reliability, high adjustment accuracy and excellent performance.

5. Compressor

T/CCI brand, high efficiency, large displacement, steady quality.

6. Control Panel

Digital display, intelligent temperature control and fault indication.

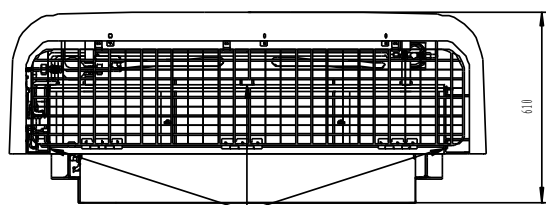
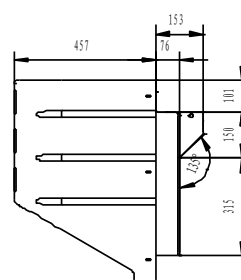
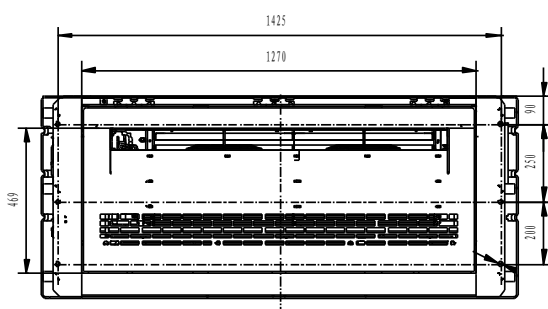
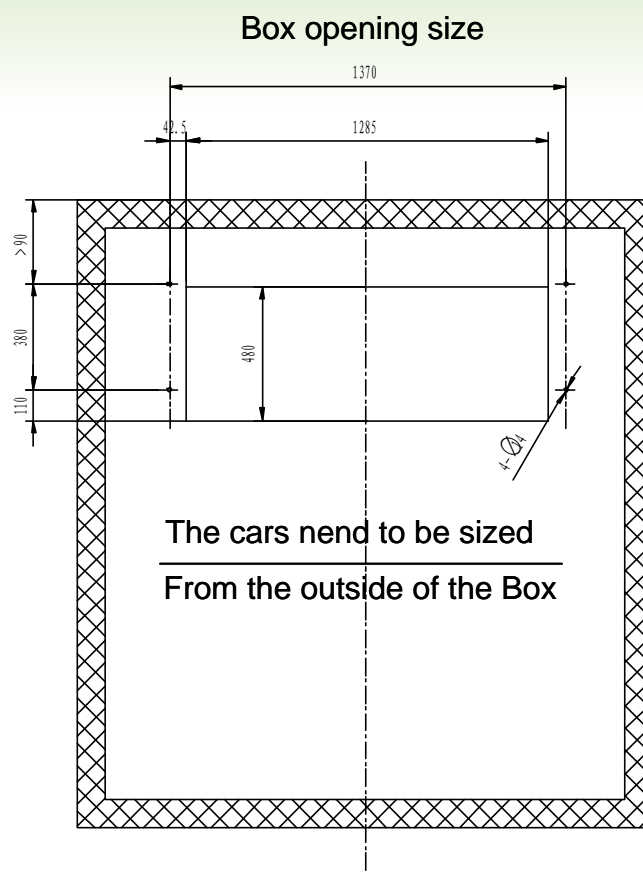
7. Pipe and Hose

Adopt high strength rubber hose and copper pipe, easy installation, good sealing performance.

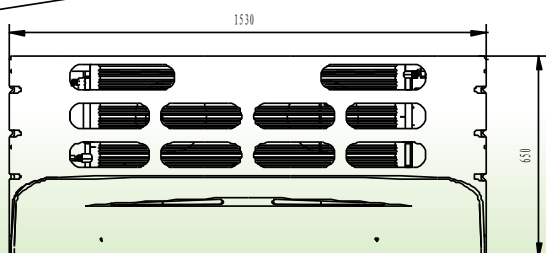
8. Framework and Shell

The framework adopts aluminum alloy, the shell adopts glass fiber. The condenser and evaporator has compact structure, elegant appearance, streamline design, small wind resistance.

Outline and Installation Dimensions



Lifting holes 3- $\varnothing 14$



Note: All datum and specifications may change without notice.