

Technical information for Truck Refrigeration Unit SC960



Cooling Capacity (Environmental Temperature 37.8°C)	1.7 °C	8.2 kW
	-17.8 °C	4.52 kW
Applicable Temperature	-25~20 °C	
Applicable Volume	46~65 m ³	
Compressor	Model	QP31
	Type	Swash Plate
	Displacement	313cc
	Lubricant Type	POE RL68H
Condenser	Type	Parallel Fow
	Fan Model	Axial Fan
	Voltage	24V
Evaporator	Type	Copper Pipe and Aluminum Fin
	Fan Model	Axial Fan
	Voltage	24V
Throttling Type		External Equalizer Expansion Valve
Refrigerant		R404a
Refrigerant Filling Volume		4.7kg
Defrost Type		Hot Gas Defrost
Installation Type		Front Mounted Type
Dimensions	Evaporator	L*W*H=1220*652*320mm
	Condenser	L*W*H=1400*540*511mm
Weight	Evaporator	60kg
	Condenser	55 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.



Evaporator Fan



Control Panel



Compressor



Condenser Fan



Evaporator Coil



Condenser Core



Standby Unit

1. Evaporator and condenser fan

China 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. It's 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.

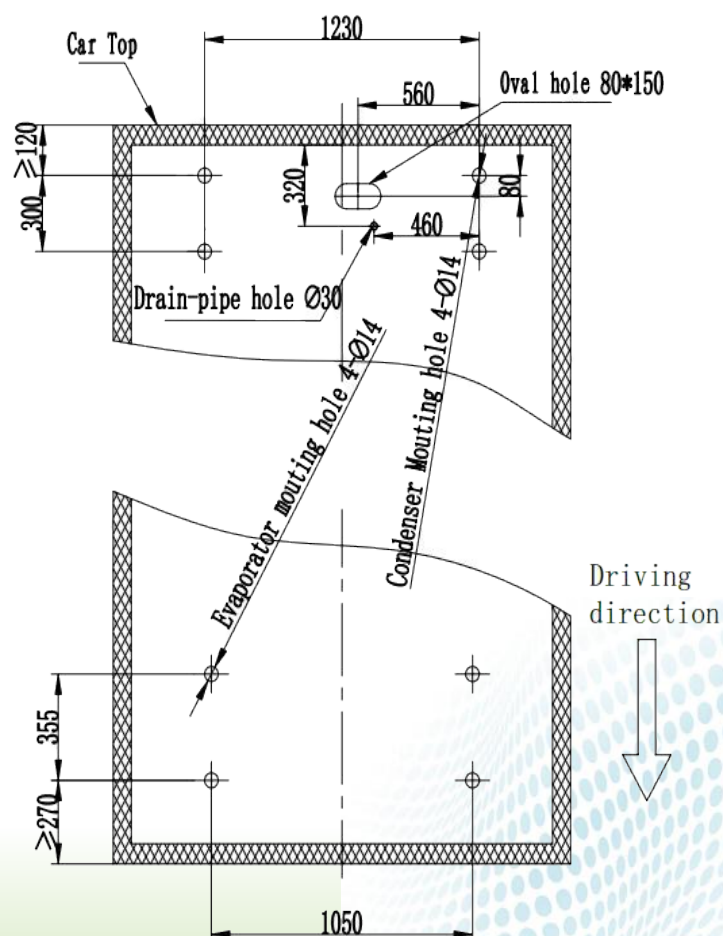
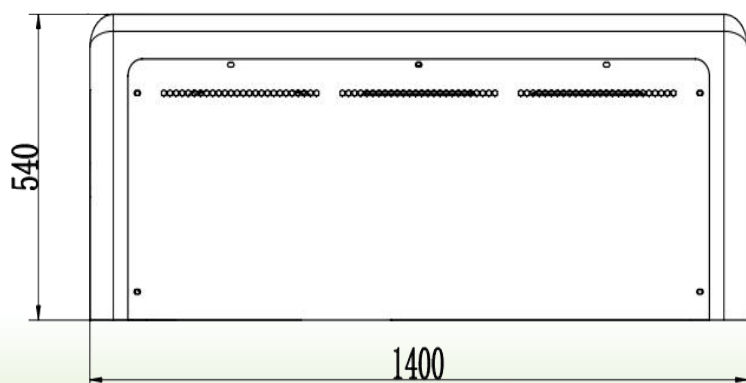
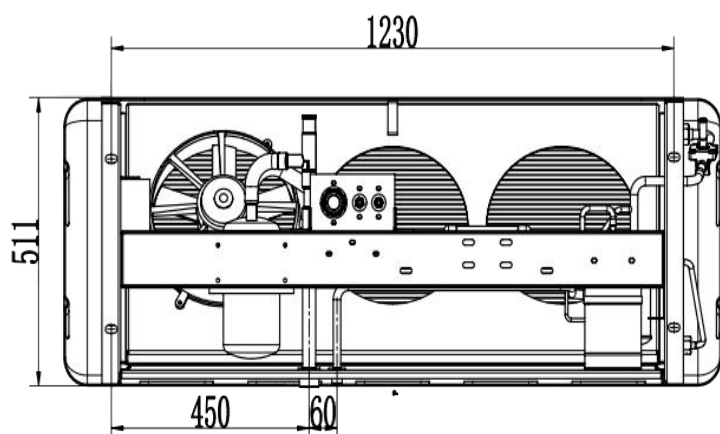
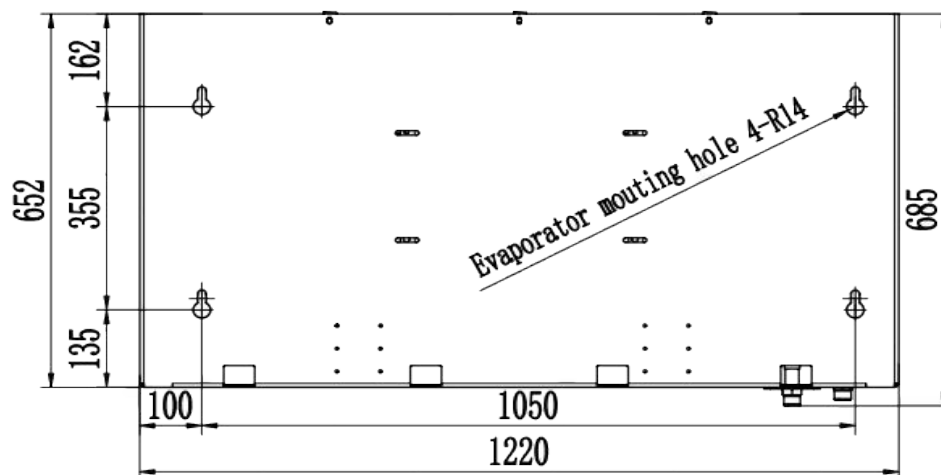
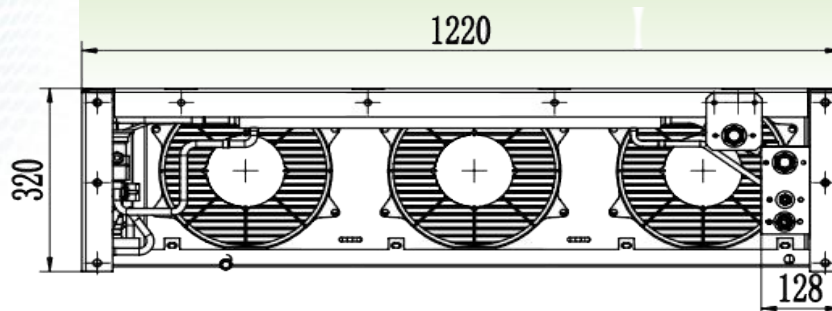
8. Framework and Shell

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

9. Standby Unit (optional)

Adopt SANDEN(optional) compressor and Chinese famous brand motor.

Outline and Installation Dimensions



Note: All datum and specifications may change without notice.