

# Technical information for Truck Refrigeration Unit SC 550



Cooling Capacity (Environmental Temperature 37.8°C)	0 °C	5.6 kw
	-20 °C	3.0 kw
Applicable Temperature	-25~20 °C	
Applicable Volume	20~30 m <sup>3</sup>	
Compressor	Model	QP
	Type	Swash Plate
	Displacement	163 cc
	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		1.9 kg
Defrost Type		Hot Gas Defrost
Installation Type		Front Mounted Type
Dimensions	Evaporator	L*W*H=1557*505*180mm
	Condenser	L*W*H=1400*540*511mm
Weight	Evaporator	31kg
	Condenser	52 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



Evaporator Fan



Evaporator Coil



Control Panel



Condenser Core



Compressor



Standby Unit

### 1. Evaporator and condenser fan

Evaporator fan SPAL brand, world famous brand. 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. 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.

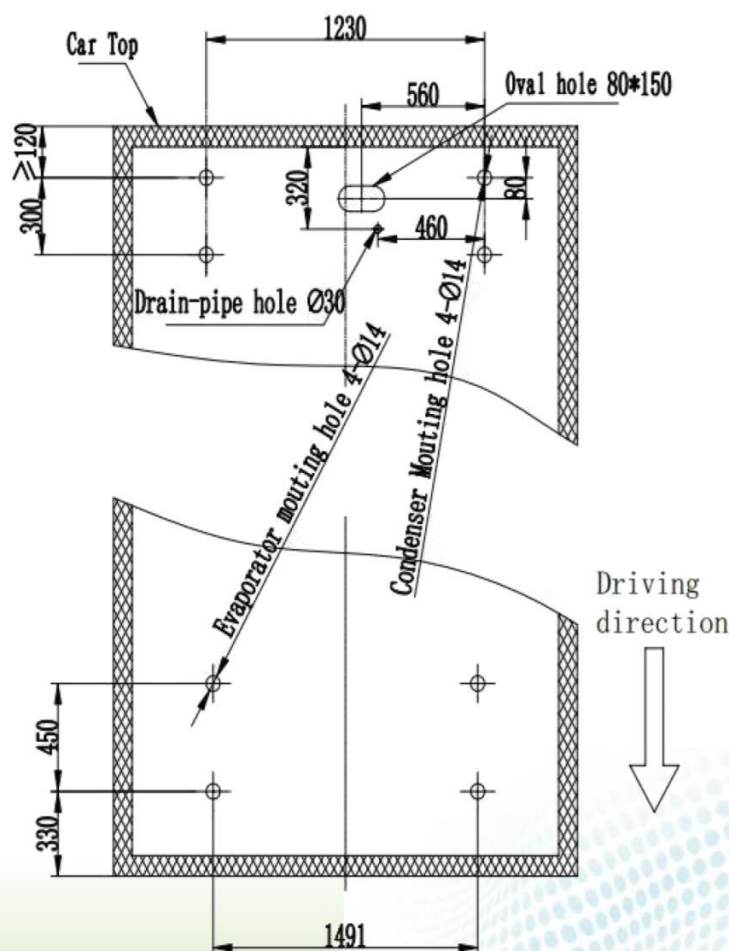
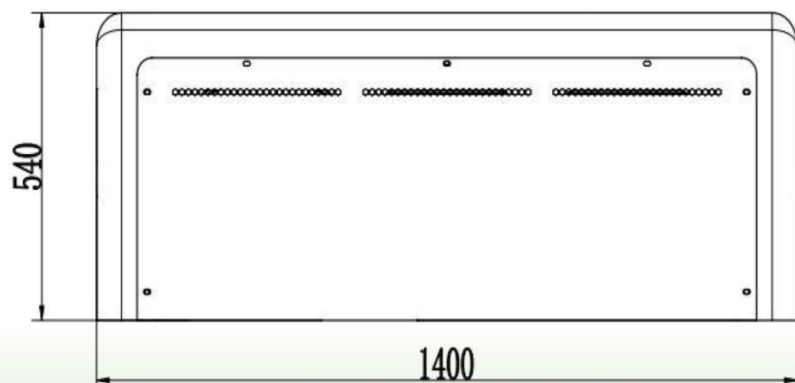
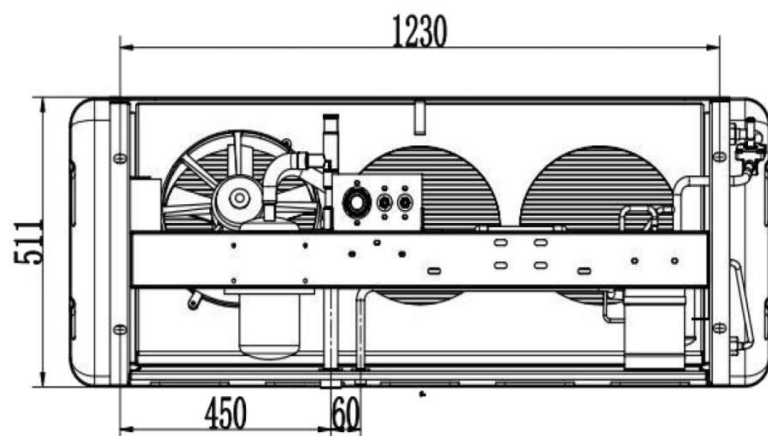
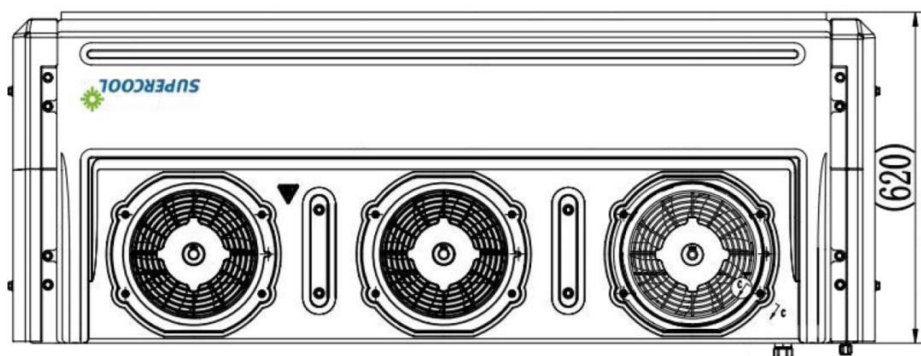
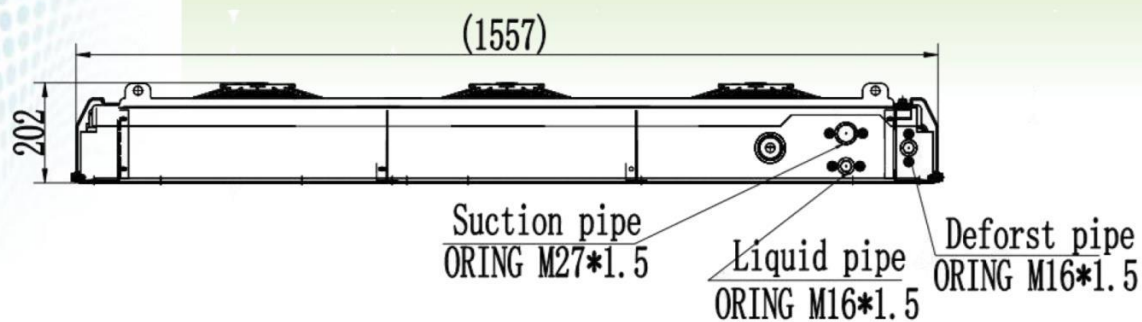
### 8. Framework and Shell

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.