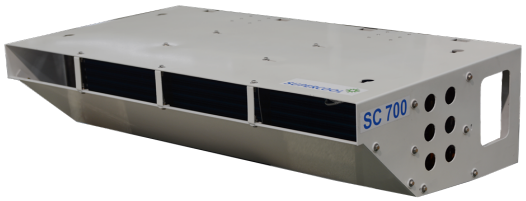
Technical information for Truck Refrigeration Unit SC700-E



Cooling Capacity (Environmental Temperature 37.8°C)	1.7 °C	6.6 kW
	-17.8 °C	3.5kW
Applicable Temperature	-25~20 °C	
Applicable Volume	32~42 m^3	
Compressor	Model	QP21
	Type	Swash Plate
	Displacement	215cc
	Lubricant Type	POE RL68H
Condenser	Type	Copper Pipe and Aluminum Fin
	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		5kg
Defrost Type		Hot Gas Defrost
Installation Type		Front Mounted Type
Dimensions	Evaporator	L*W*H=1220*652*320mm
	Condenser	L*W*H=1500*572*511mm
Weight	Evaporator	55kg
	Condenser	110kg

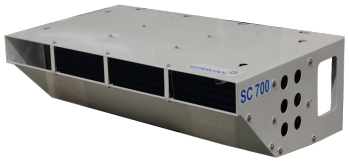
Note: 1.The cooling capacity is tested according to the conditions specified in GB / T 21145-2007;
2.The insulation performance of refrigerated containers complies with the relevant provisions of GB 29753-2013.

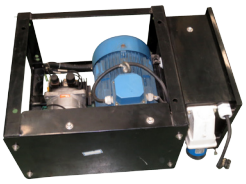
Evaporator Fan

Control Panel

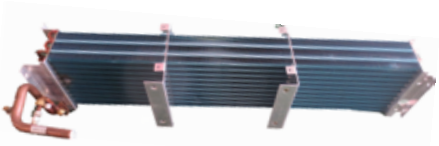
Compressor

Condenser Fan





Standby Unit



Evaporator Coil

Condenser Core

1.Evaporator and condenser fan

Chinese famous brand, high air volume, low noise, high efficiency.

2. Evaporator Coil

SONGZ brand, adopt small diameter (Ø7mm) and inner grooved copper tube, comparing to Ø9mm copper tube, the coefficient of hear transfer is improved by 5%, condensing temperature declines 2~3°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 effciency, 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.

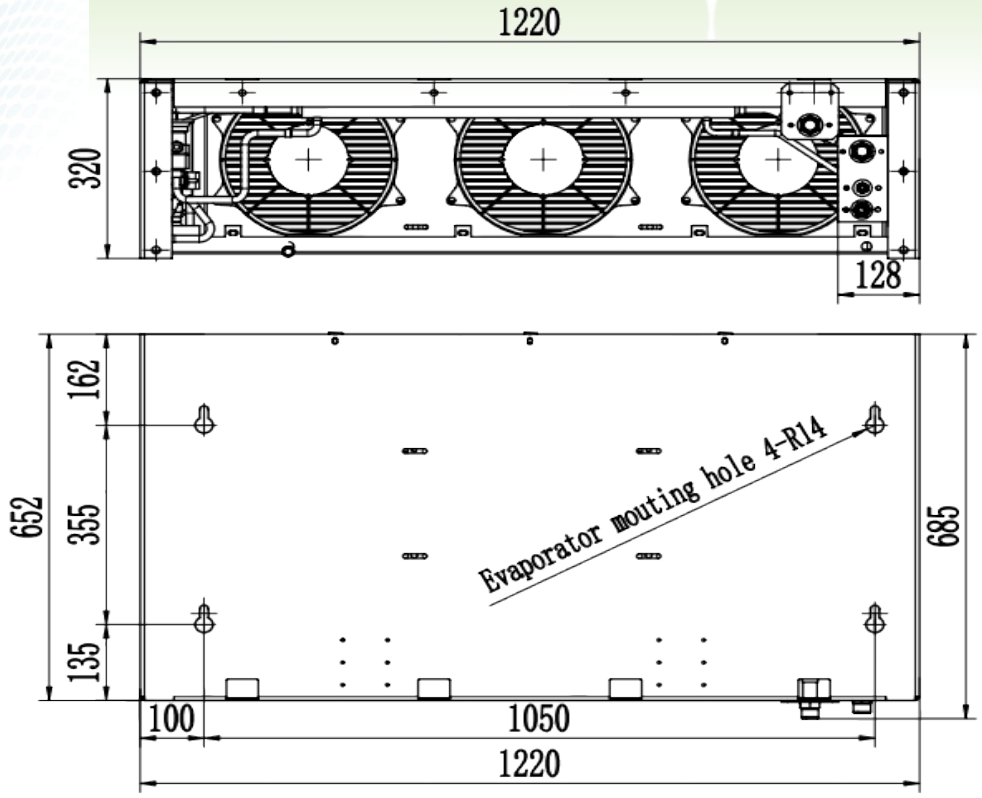
8. Framework and Shell

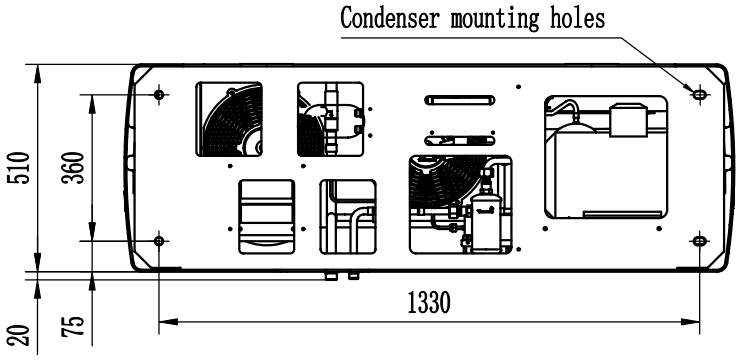
The framework adopts aluminum alloy, the shell adopts ABS plastic . The condenser and evaporator has compact structure, elegant appearance, streamline design, small wind resistance.

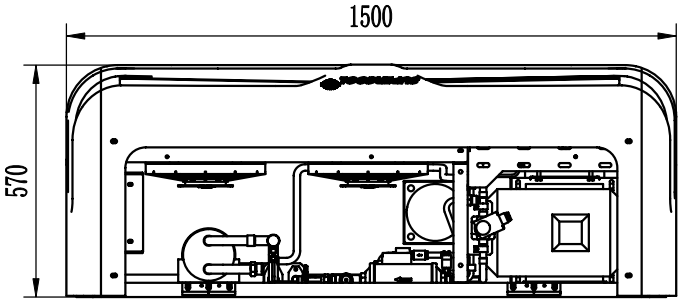
9. Standby Unit (optional)

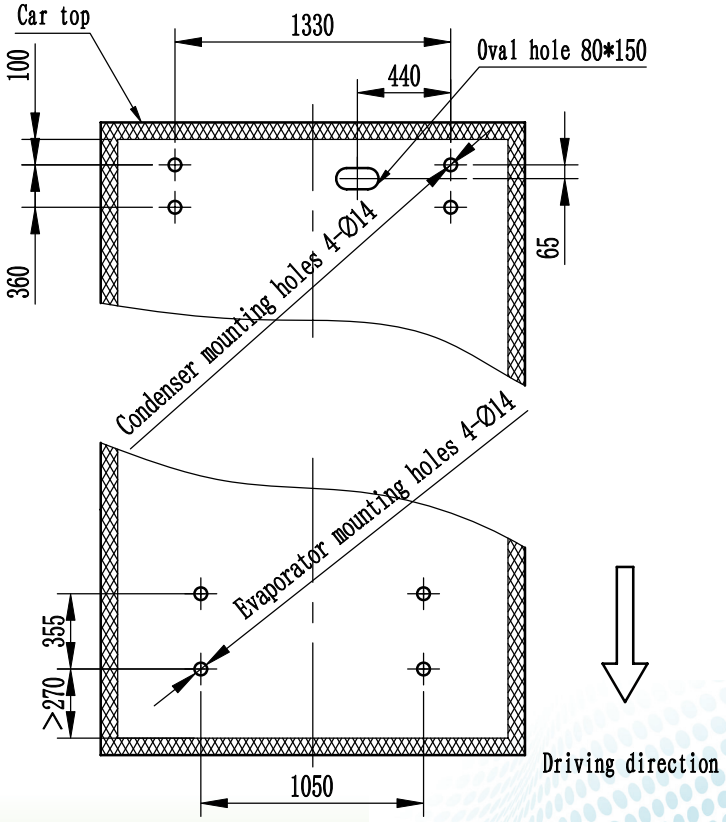
Adopt SANDEN(optional) compressor and Chinese famous brand motor.

Outline and Installation Dimensions









Note: All datum and specifications may change without notice.