

Technical information for Truck Refrigeration Unit SC200-T



Cooling capacity(W)	1.7℃	2.1KW
	-17.8℃	1.21KW
Applicable temperature	-25~20℃	
Applicable volume	4~8m ³	
Compressor	Model	QP13/SD7L13(Optional)
	Type	Swash plate
	Displacement	131cc/129cc
	Lubricant type	POE R68H
Condenser	Type	Parallel flow
	Fan model	Axial fan
	Voltage	12V/24V
Evaporator	Type	Internal thread copper pipe aluminum fin
	Fan model	Axial fan
	Voltage	12V/24V
Throttling type		External equalizer expansion valve
Refrigerant		R404A
Refrigerant filling volume		0.95kg
Defrost type		Hot gas defrost
Installation		Front mounted type
Dimensions	Evaporator	L×W×H=606×525×165mm
	Condenser	L×W×H=1120×635×185mm
Weight	Evaporator	12kg
	Condenser	27kg

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.



Fan



Compressor



Control Panel



Standby Unit



Condenser Core



Evaporator Coil

1. Control panel

Digital display, intelligent temperature control and fault indication.

2. Compressor

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

3. Evaporator and condenser fan

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

4. Expansion valve

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

5. Condenser core

SONGZ brand, The circuit is arranged in parallel with multiple channels, the pressure loss is small, and the compressor load is reduced. Compact structure, and high heat exchange efficiency. Surface anti-corrosion treatment, long service life.

6. Evaporator coil

SONGZ brand, select small diameter($\varnothing 9.52\text{mm}$) and inner grooved copper tube. The evaporator adopt super-thin coil to save more space for the cabinet, has high efficiency.

7. Pipe and hose

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

8. Standby Unit (optional)

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

Technical drawing of the rear view of the evaporator assembly. The drawing shows a rectangular base with a central circular hole labeled "liquid pipe" and "0 ring hole M16*1.5". To the right of the center are two sets of circular holes, each labeled "defrost pipe" and "0 ring hole M16*1.5". On the far right, there is a vertical pipe labeled "drain pipe" and a horizontal pipe labeled "suction pipe". Dimensions include a total width of 556 (606) and a height of 165. A smaller vertical dimension of 77 is shown near the suction pipe.

