Technical Information

Refrigeration Unit SC380

Superior reliability, for medium-sized delivery vehicles.

Frozen 20m³ - Fresh 30m³

1.Control panel
Digital display, intelligent temperature control and fault indication.

2.Compressor
QUE QP16 , high efficiency, large displacement, reliable.

3.Evaporator and Condenser fan
SPAL, world famous brand, high air volume, low noise, high effciency.

4.Expansion valve
DANFOSS, high reliability, high adjustment accuracy and excellent performance.

5.Condenser core
Advanced micro-channel and variable flow technology. Compact structure, higher heat transfer coefficient, light weight, lower cost and less refrigerant charge.

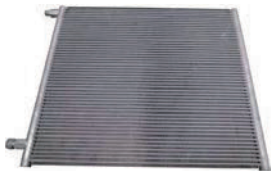
6.Evaporator coil
SONGZ, adopt small diameter (Ø7mm) and inner grooved copper tube, comparing to Ø9mm copper tube, the coefficient of hear transfer is improved by 5%, condensing temperature declines 2~3°C, system efficiency rises 5~8%, refrigerant filling declines 10%.

7. 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.

Control Panel

Fan

Compressor



Condenser Core

AC REFRIGO
TRANSPORT REFRIGERATION SOLUTIONS

SUPERCOOL

M 0430 433 307
E info@acrefrigo.com.au
www.acrefrigo.com.au

Product Specifications

Refrigeration Unit SC380

Frozen 20m³ - Fresh 30m³

Cooling capacity(W)	1.7℃		3.9KW
	-17.8℃		2.3KW
Applicable temperature	-25~20℃		
Applicable volume	20~30m³		
Compressor	Model	QP16	
	Type	Swash plate	
	Displacement	163cc	
	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		1.5kg	
Defrost type		Hot gas defrost	
Installation		Front mounted type	
Dimensions	Evaporator	L×W×H=1207×595×180mm	
	Condenser	L×W×H=1150×515×352mm	
Weight	Evaporator	26.5kg	
	Condenser	32kg	

Recommendations are based on precooled loads and K value of 0.35 W/m²K is used for frozen goods and 0.5 W/m²K for fresh goods for a distribution of 8 hours. Recommendations are not a guarantee of performance as there are many variables to be considered.

AC REFRIGO
TRANSPORT REFRIGERATION SOLUTIONS
SUPERCOOL
0430 433 307
info@acrefrigo.com.au
www.acrefrigo.com.au