

B-200 Battery Refrigeration Unit

Kingclima as the best transport refrigeration units supplier in China can supply DC powered 12 volt refrigeration units for vans (or 24 volt). And kingclima small vans with refrigeration units are very popular with inner city transportation for fresh fruits, vegetables, meat, and dairy products delivery.

- ◆ Driven by DC powered vehicle battery,save much fuel.
- ◆ Add CPR valve to protect compressors, suitable for the hot place.
- ◆ Realize that vehicle engine is off but cooling system is continuous.
- ◆ Adopt Eco-friendly refrigerant: R404a
- ◆ Hot gas defrosting system: Auto and manual for choices
- ◆ Worldwide famous key parts: Sanden compressor, Danfoss Valve, Good Year, Spal fans; Codan, etc.
- ◆ Compressor is in the inner side of condenser, helps save installation space and easy to install.



Condenser



Evaporator



蒸发器Evaporator

冷凝器Condenser

控制器Controller

压缩机Compressor

高低压胶管Hose

Items Model	B-200	
Applicable container's volume	5-6m3(≥0℃)	
	4m3(-10℃)	
	<4m3(-18℃)	
Temperature rating in container	-18 ~ +25℃	
Insulation materials for refrigerated box	Polyurethane	
Thickness of box panels	80mm	
Cooling capacity	2000W	
(Ambient temperature 30℃)	(The inlet air temperature of the evaporator is 0℃, the $K \leq 0.32W/m^2 \cdot ^\circ C$)	
Voltage	DC12V	
Electric compressor	VDD145 (installed into the condenser)	
Unit power consumption range	600-1200W	
Condenser	Type	Parallel flow
	Fan	1 个, 1100 m3/h
Evaporator	Type	copper pipe & Aluminum Foil fin
	Fan	1 个, 800 m3/h
Refrigerant	R404a / 0.9Kg	
Condenser fan and compressor controller protection level	IP67	

Application

