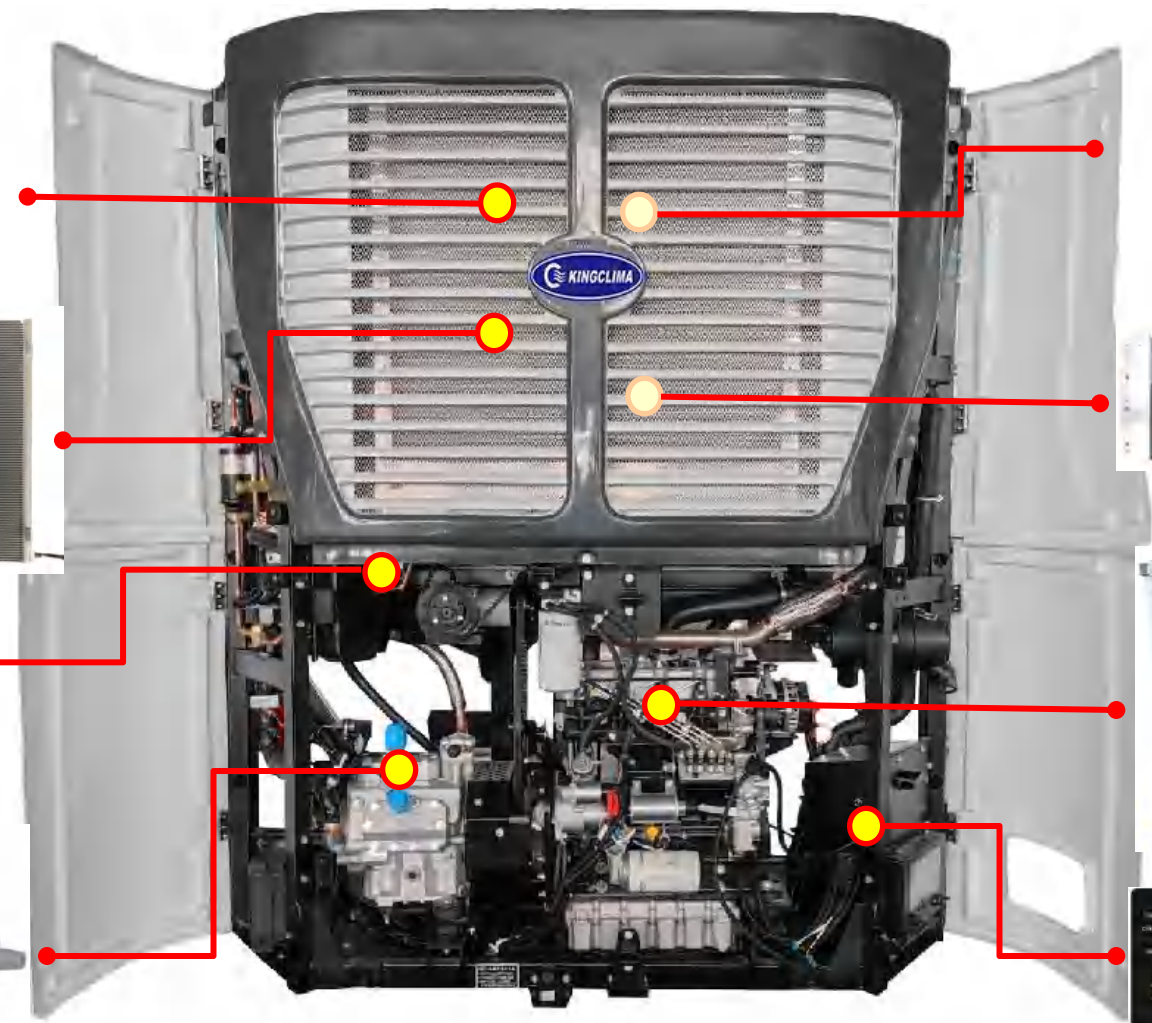


# Semi-trailer refrigeration unit Series configuration



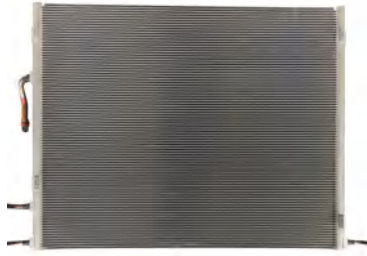
## Condensing fan (axial flow fan)

- Low noise
- even heat dissipation,
- long uselife



## Condensing wick (parallel flow)

- Small resistance,
- high conversion efficiency,
- prevent corrosion



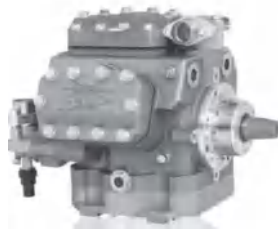
## SWEP (Sweden)

- Prevent freezing and improve cooling capacity.



## Bitzer Refrigeration Compressor (Germany)

- increase stability,
- Increase unit life,
- (2-cylinder/4-cylinder/6-cylinder switching) to reduce fuel consumption.



## Evaporative Fan (Centrifugal Fan)

- High pressure and strong wind speed,
- the air supply distance is 13 meters
- 5850 (m³/h)



## Evaporation core (internal thread)

- Maximum performance boosts evaporation efficiency.
- Effectively drain the defrosting m out of the cabinet to reduce icing



## Perkins Engines (UK)

- 3000 hours interval maintenance of super large lubricating oil tank
- Ultra-low temperature start-up operation capability
- High-altitude start-up and operation capability of 4500 meters
- Fuel consumption < 4L/hr.



## Smart 2.0 (independent research and development)

- Switch between Chinese and English, °F /°C setting
- Multiple smart security protections.
- Remote monitoring system








# Compare Data of Semi-trailer refrigeration unit with Carrier & Thermoking

## K-2000






**KINGCLIMA**

Factory model:	Engine	Compressor	Expansion valve	KVL	Electric standby	Cooling capacity ( W )		Evaporative air volume ( m³/h )	Remotely	Maintenance cycle ( h )
						0/+30°C	-20/+30°C			
 Kingclima K-2000	Perkins <b>25.8KW</b>	4 Cylinder 660cm³	mechanical	mechanical	○	18100	9600	<b>6100</b>	◎ optional	<b>3000</b>
 X2-2100	Kubota 18.5KW	6Cylinder 600cm³	mechanical	electronic	○	18757	9672	4950	◎ optional	2500
 SLXi-400	Yanmar 19.5KW	4 Cylinder 492cm³	mechanical	electronic	◎ optional	17400	9300	5000	◎ optional	3000

# Compare Data of Semi-trailer refrigeration unit with Carrier & Thermoking K-2100



Factory model:	Engine	Compressor	Expansion valve	KVS	Electric standby	Cooling capacity ( W )		Evaporative air volume ( m <sup>3</sup> /h )	Remotely	Maintenance cycle ( h )
						0/+30°C	-20/+30°C			
 Kingclima K-2100	Perkins 25.8KW	6 Cylinder 713cm <sup>3</sup>	electronic	electronic	○	20800	11000	6300	● standard	3000
 X4-7300/7500	Kubota 18.5KW	6Cylinder 600cm <sup>3</sup>	electronic	electronic	○	19340	10260	5180	○ extra charged	2500
 SLXi-400	Yanmar 23.5KW	6Cylinder 492cm <sup>3</sup>	mechanical	electronic	◎ optional	17400	9300	5500	○ extra chaged	3000

# Compare Data of Semi-trailer refrigeration unit with Carrier & Thermoking K-2000S



Factory model:	Engine	Compressor	Expansion valve	KVL	Electric standby	Standby cooling capacity ( W )		Evaporative air volume ( m <sup>3</sup> /h )	Remotely	Maintenance cycle ( h )
						0/+30°C	-20/+30°C			
Kingclima K-2000S	Perkins404D-22 <b>25.8KW</b>	4Cylinder 660cm <sup>3</sup>	mechanical	mechanical	● standard	14928	8655	<b>5650</b>	◎ optional	<b>3000</b>
Vector1850	Kubota2203 18.5KW	6Cylinder 600cm <sup>3</sup>	electronic	electronic	● standard	13530	8270	5600	◎ optional	2500
Vector1950	Kubota2203 18.5KW	6Cylinder 600cm <sup>3</sup>	electronic	electronic	● standard	15400	9100	5600	◎ optional	2500
SLXi-400	Yanmar488 19.5KW	4Cylinder 492cm <sup>3</sup>	mechanical	电子	● standard	12500	6900	3800	◎ optional	3000



# Customer install case



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