



Scool-Series

Brief Introduction of Scool series

Brief Introduction of KingClima Scool Series Bus HVAC Solutions

KingClima have different bus HVAC solutions to solve all kinds of buses types cooling demands. Our Scool Series units as its name sound, it is designed for school buses cooling solutions. We have 3 models for customized bus HVAC.

We have Scool-120 model, Scool-200 model and Scool-250 model with 12KW, 20KW and 25KW cooling capacity, to suit for different size of school buses or shuttle buses.

Features

Features of Scool Series School Bus Air Conditioning Units

- ★ Scool-200 and Scool 250 model is rooftop mounted air conditioning units with cooling capacity 20KW and 25KW, suit for school buses of 6-8m.Scool 120 model is build in split school bus air conditioners with 12KW cooling capacity.
- ★ SMC fiberglass housing, with excellent anti-corrosion and climate proof performance。
- ★ Using patented streamline low air resistance technology, enhanced appearance.
- ★Condenser using patented micro-channel heat ex-changer technology, precise design, sufficiently improved the heat exchanging efficiency, reduced the weight, achieved a higher efficiency and lower fuel consumption.
- ★ Facing wind condenser layout, increased the face area of the condenser, reduced the length and cubic of the unit.
- ★Reduced the weight of the condenser greatly, make a higher efficiency and less fuel consumption.

Technical

Model		Scool-120 (Build-in Split)	Scool-200	Scool-250
Cooling Capacity		12KW	20KW	25KW
Heating Capacity		Optional		
Fresh Air		Optional	Optional	1000 m3/h
Refrigerant		R134a	R134a/3.5 kg	R134a/4.5 kg
Compressor	Model	TM21	TM31	TM-43/F400
	Displacement	210 cc	313 cc	425 cc/400cc
	Weight	5.1 kg	15.5 kg	20.5 kg/31 kg
	Oil Type	ZXL 100PG PAG OIL	ZXL 100PG PAG	ZXL 100PG PAG/BSE55
Evaporator	Type	Hydrophilic aluminum foil with internal ridge copper tube		
	Air Flow	1000m3/h	3,440 m3/h	4,000 m3/h
	Fan Motor	/	4-speed centrifugal type	4-speed centrifugal type
	No. of fan		4 pcs	4 pcs
	Current		28A	32A
Condenser	Type	/	Micro-channel heat exchanger	Micro-channel heat exchanger
	Air Flow		4,000 m3/h	5,700 m3/h
	Fan Motor		Axial type	Axial type
	No. of fan		2 pcs	3 pcs
	Current		16A	24A
Total Current		/	< 50A	< 65A
Application		School buses or shuttle buses	6-7 Meter school Bus	7-8 Meter school buses
Photos				