



KingClima-E Series Full Electric Bus HVAC Solutions

Brief Introduction

With the environmental friendly awareness popular in the world, more and more countries focus on the full electric commercial vehicles, such as the full electric buses or coaches, full electric vans or minibuses. It is a great chance for KingClima industry to seize the chance to cooperate with the full electric vehicles manufacturers to provide our excellent HVAC solutions for full electric buses.

kingClima has already focused on our efforts to the air conditioning for electric bus over 15 years, and to promote our electric ac units to marketing for over 5 years. Again and again to update our electric air conditioners quality to have a very competitive performance. Theses years, we gained the good reputation from European countries and America customers.

As for now, we have one series of air conditioner named as Kingclima-E series included into 6 models to meet the electric buses cooling solutions from 14KW to 33Kw to suit for 6-12m electric buses.

Features

- ✓ Efficient: with DC variable-frequency compressor and brushless low voltage DC powered fans, the efficiency is improved a lot.
- ✓ Reliable: all components is reaching passenger car level, such as power module and compressor waterproof IP rating is IP67 level.
- ✓ Protection devices: high pressure and low pressure protection devices, short circuit protection device, phase loss protection device, multiple insulation protection device and have the E-MARK certifications (qualified with European market).
- ✓ Advanced: Stable heating under - 20℃ through low temperature heat pump.
- ✓ Intelligent: with advanced PI variable-frequency control, stepless regulation according to the temperature inside and outside, to save 15% energy;
- ✓ CAN Control System: drivers can turn on or turn off the electric bus air conditioner units according to bus demands, extending battery service time.
- ✓ Ultralight: we reduced the length and weight, which make the whole electric bus ac units more good appearance and power saving.
- ✓ Quiet: with DC brushless fan and soundproof materials, noise level reduced more than 2dB.

Technical

KingClima*E	KingClima-140E	KingClima-240E	KingClima-260E	KingClima-330E
Max Cooling Capacity (W)	14000	24000	26000	33000
Refrigerant	R407C			
Refrigerant Charging Weight (kg)	3.2	2.2*2	2.5*2	3*2
Heating Capacity	12000	22000	26000	30000
Rooftop Electric Heating Device Weight(kg)	8	11	12	13
Compressor	EVS-34	2*EVS-34	2*EVS-34	2*EVS-34
Voltage (V)	DC400-720V	DC400-720V	DC400-720V	DC400-720V
Evaporator air flow(m³/h)	3200	4000	6000	6000
Fresh Air Flow(m³/h)	1000	1000	1000	1500
Condenser Fans	3	3	4	5
Evaporator Bloweres	4	4	4	6
Max.Operating Temp. °C	50	50	50	50
L x W X H (mm)	2440*1630*240	2500*1920*270	2750*1920*270	3000*1920*270
Weight (kg)	160	245	285	304
Bus Application	6-7m	7-9m	8-10m	10-12m
Photos				



King Clima Industry
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Web: www.kingclima.com Email: info@kingclimal.com
Tel: 86-371-66379266 Fax:86-371-66379166

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