

DC Electric Battery Operated Air Conditioner for Electric-Vehicles
Model: K20BS2 / T20B / T60B

Full DC Electric Air Conditioning System, Back Wall Mounted and Roof-Top mounted types. Cooling up to 9500Btu and 19800Btu.
DC12V, DC24V, DC48V, DC72V, DC80V are available.

Description

Fully DC electric Battery-operated air-conditioning system. NO ac power.

Brushless DC12V, DC24V, DC48V etc electric scroll compressor built-inside.

Run by EV original battery directly or auxiliary battery bank.

Main features

1. Heavy-duty design. And Long life -- 8 years
2. More cooling capacity. Cooling capacity up to 9500Btu and 19800Btu.
3. Cooling more air flow up to 400cbf and 550cbf. This higher air flow creates more comfort of driver and better cooling performance.
4. Battery safety protection. The air conditioner units will cut-off when the battery voltage down to 10.5V (if 12V a/c units) and 21.5V (if 24V a/c units) automatically.
5. The air vents can adjust and control the temperature and air speed without airduct.
6. Quiet / less noise ensures the driver feel comfort.
7. Available DC12V, DC24V, DC48V, DC72V, DC80V. suitable for most types electric vehicles.

Specification / Technical data

| Model No. | K20BS2 | T20B | T60B |
|-------------------|---|---|---|
| Cooling Capacity | 9500Btu 2.8kw | 9500Btu 2.8kw | 19800Btu 5.8kw |
| Voltage available | DC12V, DC24V | DC12V, DC24V | DC12V, DC24V |
| Compressor Type | DC Electric scroll compressor. Brushless motor | DC Electric scroll compressor. Brushless motor | DC Electric scroll compressor. Brushless motor |
| Working Current | 48A (12V), 35A(24V) | 48A (12V), 35A(24V) | 85A (12V), 70A(24V) |
| Max. Current | 72A(12V), 55A(24V) | 72A(12V), 55A(24V) | 155A (12V), 115A(24V) |
| Refrigerant Gas | R134A | R134A | R134A |
| Cooling air | 400cbf / 720m3/h | 400cbf / 720m3/h | 550cbf / 900m3/h |
| Condenser fan | 11' one pc | 11' one pc | 12' one pc |

| | | | |
|--------------|---|-------------------------------|-----------------------------------|
| Size | Condenser: L:752mm, W: 676mm, H:182mm Evaporator: L:582mm, W: 310mm, H:138mm | L:856mm, W: 743mm, H:180mm | L:1263mm, W:1040mm, H:198mm |
| Weight | Condenser: 32KG(70.5LBS) Evaporator: 8.5KG(18.7LBS) | 39Kg(86LBS) | 55Kg(121LBS) |
| Air vent Qty | 4pcs | 5pcs | 8pcs |

Application:

