

TRANSPORT REFRIGERATION UNIT

ET270-E48

KINGTEC GROUP CO., LTD.



Buy No Regret!

• DESCRIPTION

Kingtec ET270-E48 all-electric refrigeration unit is specifically designed for refrigerated trucks that have acapacity of 15-25 cubic meters. Integrative structure design with less installation steps, shorter installation time, and lower installation costs. All aluminum panels on the body create an overall lightweight, DC48V scroll compressor drive cooling fast with low energy consumption. The refrigeration unit utilizes a DC48V power supply system with its own battery. In the cold chain transportation, it will not affect the mileage of the vehicle, and zero loss of the vehicle chassis battery. More energy efficient, safer and more economical is a new development trend.

The refrigeration unit utilizes a DC48V power supply system with its own battery, enabling independent power supply. This eliminates the need for power supply considerations when installing the unit in a vehicle. The DC48V power supply system uses a custom-designed lithium iron phosphate battery module integrated with an intelligent BMS. This system possesses greater advantages over other power supply systems in terms of safety, cycle life, energy density, temperature range, and environmental protection. Made with a 10-year lifespan in mind, this system ensures stable performance that is safe, reliable, and maintenance-free, with national support.

• SYSTEM COMPONENTS

- · Integrated unit assembly
- Electric Scroll Compressor
- In cab Control and wiring Harness
- Heating function (options)(hot-gas heating)

• REFRIGERENT(CHLORINE ZERO)

• ET270-E48(R452A):2.65Lbs

COMPRESSOR

- Electric Scroll Compressor
- PD2-24048BA (24cc)
- Max recommend RPM:5000
- · Contain oil-return device

DEFROST SYSTEM

Hot gas defrost

AIRFLOW VOLUME

ET270-E48 Evaporator :1600m³/ h (940 cuft / min)

ELECTRICAL DESCRIPTION

DC options: DC 48V

Total consumption current

	DC 48V
ET270-E48	40 A

Power consumption pre hour is 1.92degrees

WEIGHTS

ET270-E48:123.5 Lbs

E1270-E46.123.3 LDS

WARRANTY SUMMARY
 Specific terms of the Kingtec express warranty are available on request. Further, Kingtec excludes liability in contract and tort(including strict liability)

Battery pack Specification

Capacity(Kwh)

Endurance(hrs)

Charge module voltage protection

Discharge module voltage protection

Discharge temperature protection

Battery pack charging time(20%-100%)

Charge temperature protection

Voltage

Charger Specification

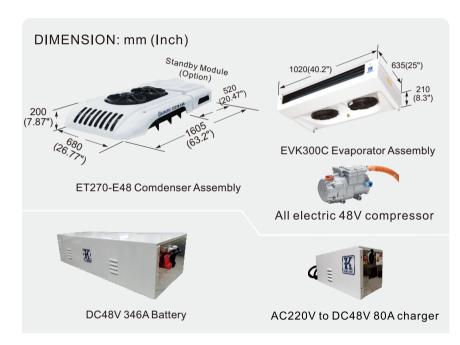
and negligence) for any special, indirect or consequential damages by reason of the installation or use of any covered product or its mechanical failure.

Charging current (A)

Cooling Capacity Conditions at 30°C(86°F) ambient ATP Standard



ET270-E48 (R452A)		ET270-E48 (R452A)			
Air return/on the road	Watts	BTU/hr	Air return/on the road	Watts	BTU/hr
0°C (32°F)	3700	12580	2℃ (35°F)	3100	10540
-20°C (-4°F)	1550	5270	-18 ℃ (0 ℉)	1400	4760
Kilowatt per or an hour			Electric current		
1.92 kw			40 A		





Lithium iron phosphate battery

DC48V

16.6

≥8

58.0V

< 32°For >158°F 43.2V

<-4°For >167°F

AC220V-DC48V

80-100

3.5hrs