



**TRANSPORT
REFRIGERATION UNIT**

ET270-E48

KINGTEC GROUP CO., LTD.

ET270-E48

Buy No Regret!



DESCRIPTION

Kingtec ET270-E48 all-electric refrigeration unit is specifically designed for refrigerated trucks that have a capacity 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 per hour is 1.92degrees

WEIGHTS

- ET270-E48 :123.5 Lbs

WARRANTY SUMMARY

- Specific terms of the Kingtec express warranty are available on request. Further, Kingtec excludes liability in contract and tort(including strict liability and negligence) for any special, indirect or consequential damages by reason of the installation or use of any covered product or its mechanical failure.

Cooling Capacity

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



Cooling Capacity

Conditions at 38°C (100°F) ambient
National standard



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

DIMENSION: mm (Inch)



ET270-E48 Condenser Assembly



EVK300C Evaporator Assembly



All electric 48V compressor



DC48V 346A Battery



AC220V to DC48V 80A charger

Battery pack

Specification	Lithium iron phosphate battery
Voltage	DC48V
Capacity(Kwh)	16.6
Endurance(hrs)	≥8
Charge module voltage protection	58.0V
Charge temperature protection	< 32°F or > 158°F
Discharge module voltage protection	43.2V
Discharge temperature protection	< -4°F or > 167°F

Charger

Specification	AC220V-DC48V
Charging current (A)	80-100
Battery pack charging time(20%-100%)	3.5hrs

KINGTEC GROUP CO., LTD.

Mail Address: 777 W Mill St , San Bernardino , CA 92410

Office: +1 909 930 1734

Fax: +1 650 472 8091

Environmentally Friendly

Low noise, zero emission, energy-efficient and environmentally friendly.