



Product Introduction EUT-1200

Special Refrigerating Unit For Catering Truck

TK API Product Management

Mar. 2022



Agenda

Product introduction

- Key Feature
- Key parameters
- Dimension
- Matrix
- Performance
- Verification
- ✓ Field test
- ✓ Environmental protection

EUT-1200



Why choose EUT-1200?

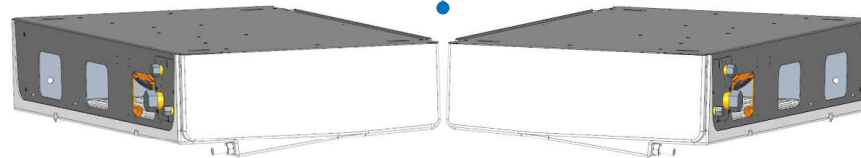
For sales training

KEY FEATURE



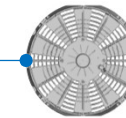
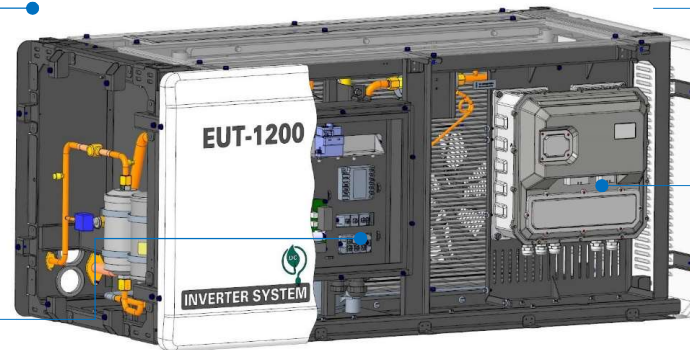
Under Mounting Solution

- 20m removeable hose (10m drop)
- Wide operating range to 55 °C
- Equip hose to reduce installation cost



Professional Service

- IOT services
- Record running data and trajectory timely
- Green environmental protection, zero emission
- Light weight design (270kg) , lighter 47% than SP units, saving operating costs



DC brushless fan

>30000 hours lifetime with lower maintenance cost

Excellent performance,

- Precise temperature control (± 0.5 °C Tr)
- Accurately service for diverse needs via each Hertz
- Fast pull down, time shorten 38% comparing with SP units
- High-efficiency and ECO mode to benefit NEDC

Reliability

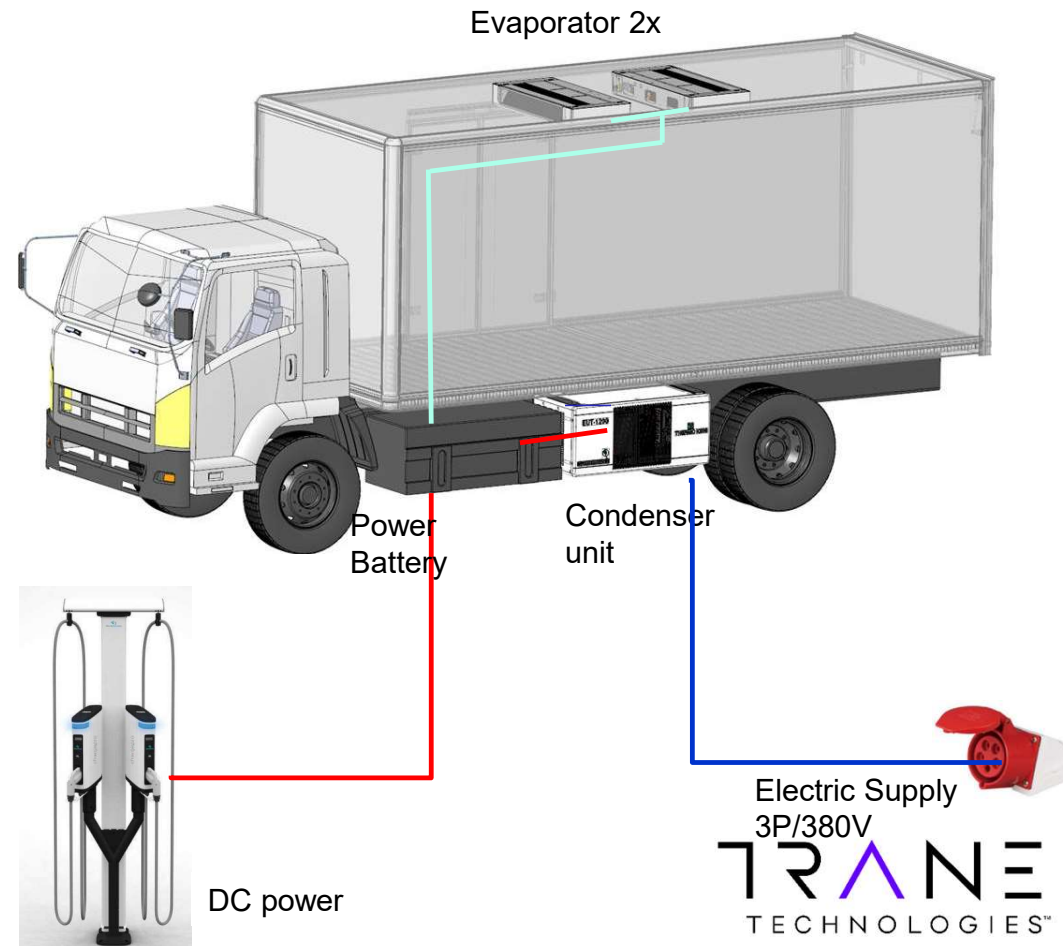
- Wide DC voltage input (330~750V)
- IP67, free of wading
- Intelligent control to keep running with small failures
- Multiple protection of refrigerant system

EUT-1200 Electric VSD Refrigeration unit

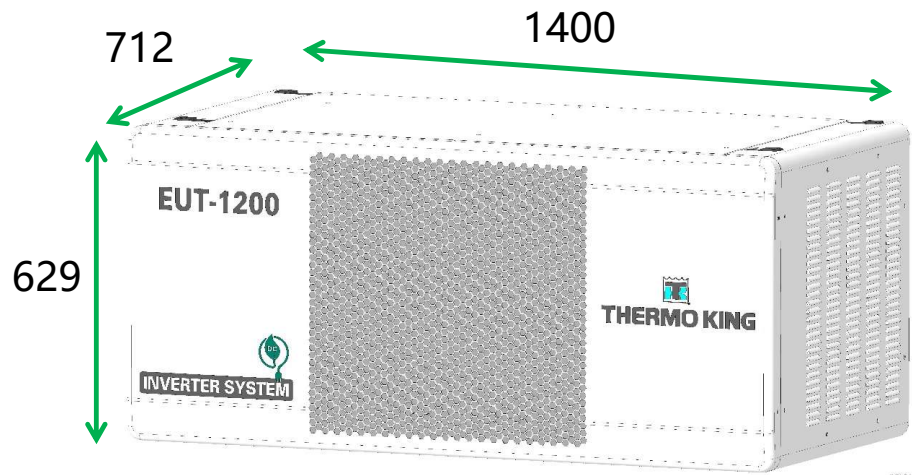
KEY PARAMETER



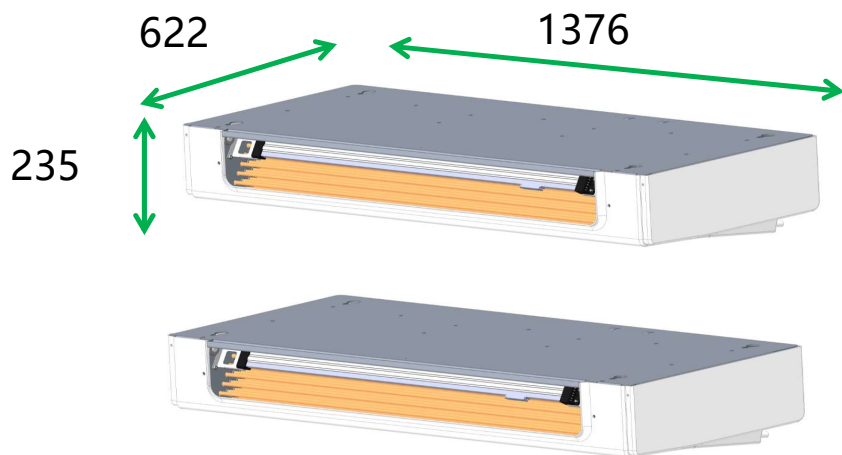
Specification	Unit	EUT-1200
Rated capacity@30/0°C	W	12000
Rated capacity@30/-20°C	W	6450
Air flow@0 Pa	m ³ /h	3500
Temperature Range	°C	-10 ~ 55 Cooling -25 ~ 55 Heating
Power Input		330-750VDC 3ph/380V/50HZ
Control Power		24VDC
Throttling		EEV
Fan		DC Brushless
Pipe		16m
Compressor		VSD Rotary
Weight	Kg	270
Mounting		Under mounting



DIMENSION



- Compact condenser with 1400mm length, easy for installation
- Reliable Evaporator shared TK classic design platform



EUT-1200 Matrix

Revision :A

Release Date :

2021/4/7

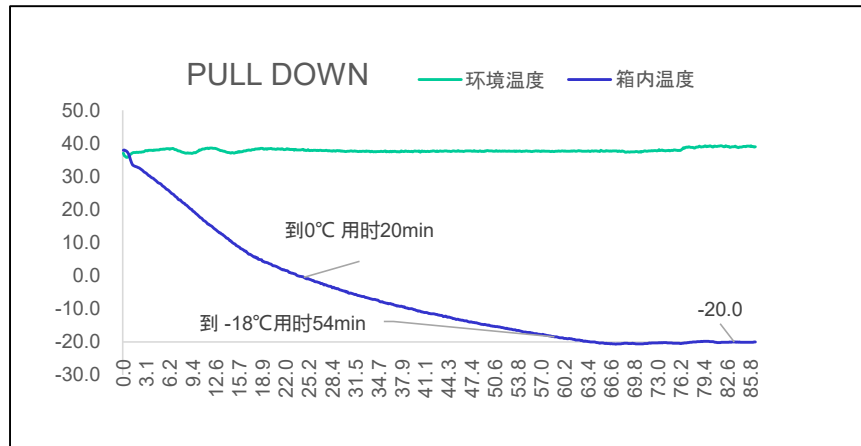
EUT-1200	MAX20 24V new DC	MAX50 24V new DC
System	904571	904572
Condenser	085799	085798
Evaporator	085759	085758
PDI for China Market	703222	703222
LABEL FOR SERVICE		
LABEL FOR SERVICE (EN Version)	702322	702322
LABEL FOR SERVICE (CN Version)	702012	702012
Crate	712880	712880
Accessory case	712878	712878

COOLING CAPACITY



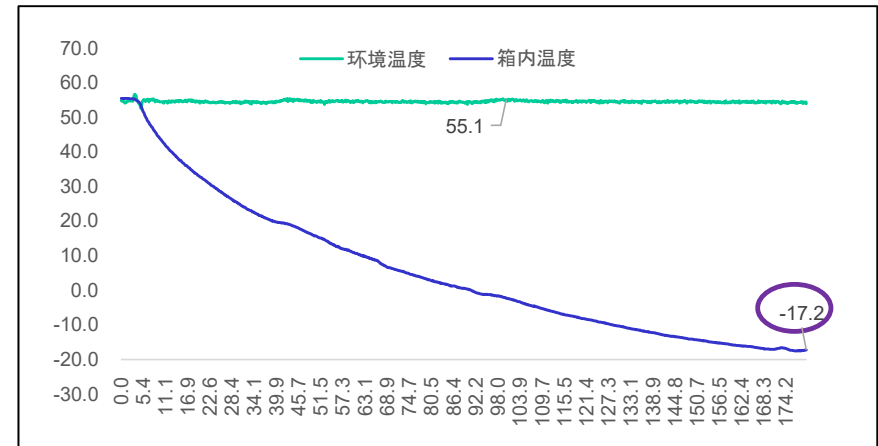
Testing	30/0	30/-20
	W	W
Capacity (Test)	11,649	6,279

Rated Pull Down Testing



Return air temperature within $\pm 0.5^{\circ}\text{C}$

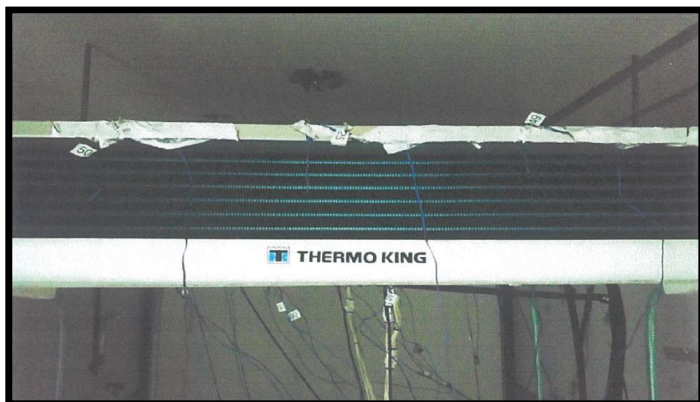
Maximum Pull Down Testing



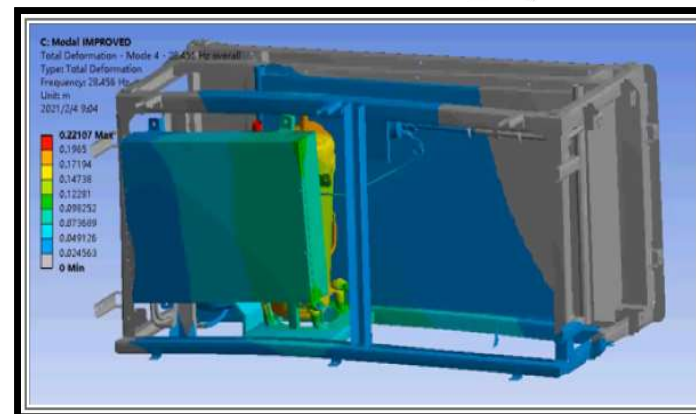
Run and pull down normally under 55°C



VERIFICATION



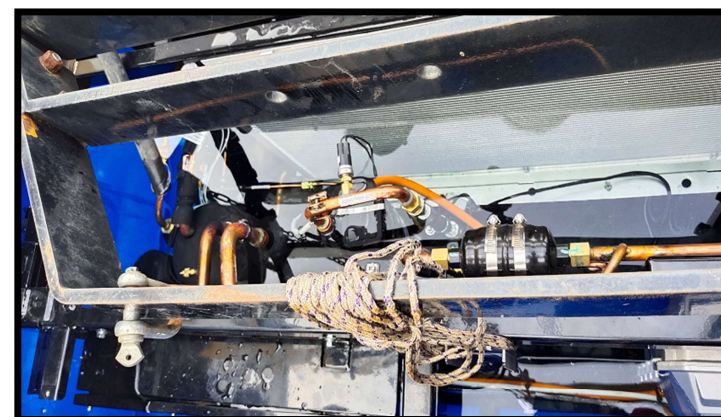
System Reliability



FEA



Vibration



Wading Testing



Each product must pass rigorous testing before market.

FIELD TEST

Cooling test conditions:

Venue: Beijing.

Box size: 7600*2400*2400mm.

Insulation coefficient of compartment: 0.4W/
(insulation * K).

Battery power: 540VDC.

Ambient temperature: 29 °C.

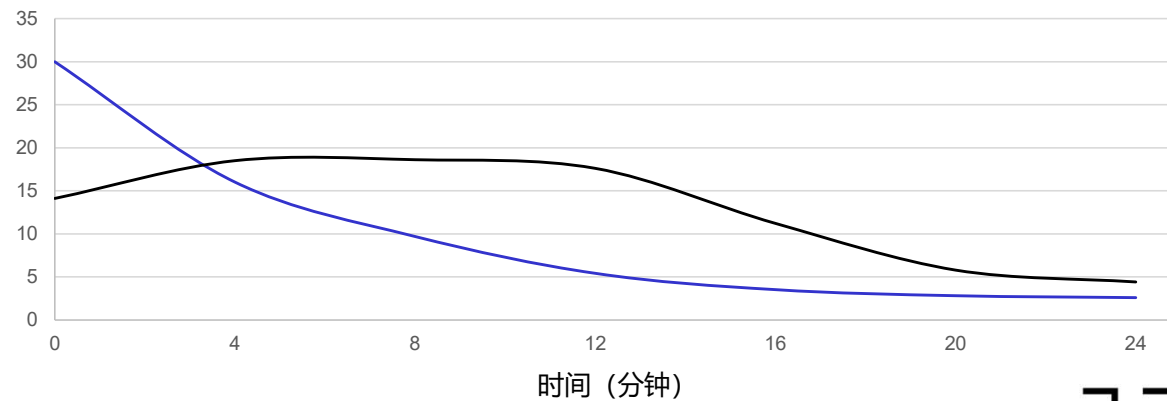
Temperature setting point: 3 °C



Time(min)	Temperature	Current(A)
0	30	14.1
4	16	18.5
8	9.7	18.6
12	5.4	17.6
16	3.5	11.2
20	2.8	5.8
24	2.6	4.4
28	3.2	4.7
32	3.0	4.6
36	2.7	4.6
40	2.9	4.5
44	3.1	4.6
48	2.9	4.5
52	2.9	4.4

Pull Down Curve

— 箱内温度 — 电流



Temperature go down from 29 °C to 3°C with 20min

GREEN



Enclosed system with electric drive

ECO mode and intelligent control

Leakage rate down 64%

CO2 emission down 64%

Reducing CO2 emissions 2560kg per year which is equivalent to planting 140 trees.



