



**TRANSPORT
REFRIGERATION UNIT**

FR600

FR600



DESCRIPTION

Kingtec FR600 series units are designed for fresh and frozen applications on the 15~25m³ small-size refrigerated truck. The road compressor is powered by the vehicle engine, new electrical stand-by system adopts fully enclosed pure electric compressor, is lighter, easier to install and safer to use.

SYSTEM COMPONENTS

- Condenser assembly
- Evaporator assembly
- Road compressor (With magnetic clutch)
- In cab control box and wiring harness
- Electric stand-by assembly (Options)
- Heating function (options)(hot-gas heating or engine hot-water heating)

REFRIGERENT (CHLORINE ZERO)

- FR-600 (R404A): HFC R404A 2.3kg

ROAD COMPRESSOR (ENGINE DRIVEN)

- Swash plate compressor/6 cylinder
- QP21 (215cc)
- Max recommend 3000 RPM
- Contain oil-return device

AIRFLOW VOLUME

- EVK500 Evaporator: 2400m³ /h (1410 cu ft/min)

DEFROST SYSTEM

- Hot gas defrost

ELECTRICAL SPECIFICATION OPTIONS

- DC voltage options: DC12V or DC24V
- Total current consumption on the road (Road compressor)

	DC12V	DC24V
FR-600	50A	25A

WEIGHTS

- Condenser assembly : 35kg/77Lbs
- EVK 500 Evaporator assembly : 35kg/77Lbs
- Electrical stand-by assembly : 25kg/55Lbs

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.

Refrigeration capacity
conditions @ 30°C(86°F) ambient
and 2400 compressor rpm
atp standard



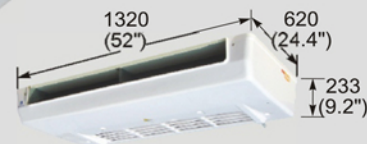
Conditions @ 100°F(38°C) ambient
and 2400 compressor pm
US-standard

FR600 (R404A)			FR600 (R404A)		
Air return/ on the road	Watts	BTU/hr	Air return/ on the road	Watts	BTU/hr
0°C (32°F)	5400	18414	2°C (35°F)	5000	17050
-20°C (-4°F)	3300	11253	-18°C (0°F)	2800	9548
50Hz			50Hz		
Air return/ on the road	Watts	BTU/hr	Air return/ on the road	Watts	BTU/hr
0°C (32°F)	4620	15754	2°C (35°F)	4200	14322
-20°C (-4°F)	2277	7765	-18°C (0°F)	1980	6752

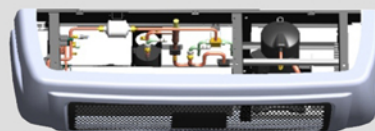
DIMENSIONS: mm (Inch)



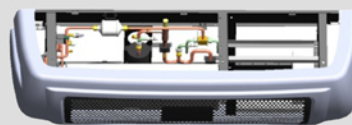
FR-600 Condenser Assembly



EVK500 Evaporator Assembly



FR-600 Condenser Assembly (W/ Stand-by)



FR-600 Condenser Assembly



Stand-by Compressor