



**TRANSPORT
REFRIGERATION UNIT**

FR-500

KINGTEC GROUP CO., LTD.

FR-500

Buy No Regret!



DESCRIPTION

Kingtec FR-500 series units are designed for cold storage and freeze applications on the 6-19m³ 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 and wiring Harness
- Electric stand-by assembly (Options)
- Heating function (options) (hot-gas heating or engine hot-water heating)

REFRIGERENT (CHLORINE ZERO)

- FR-500(R404A): 3Lbs
- FR-500E(R404A): 4.4Lbs

ROAD COMPRESSOR

- Swash plate compressor/6 cylinder
- QP16(162cc)
- Max recommend RPM
- Contain oil-return device

DEFROST SYSTEM

- Hot gas defrost

AIRFLOW VOLUME

- EVK350 Evaporator : 1600m³/h (940cuft / min)

ELECTRICAL DESCRIPTION

- DC options: DC12V or DC24V
- Total consumption current (Road compressor)

	DC12V	DC24V
FR-500	38A	19A

BRAN-NEW STAND-BY SYSTEM

- Light weight: Compared with the traditional stand-by system, the weight is lighter
- Modularization: Installation is more convenient, want to add, want to reduce
- Intelligize: The control is simpler and the operation is more convenient

WEIGHTS

- Condenser assembly : 132Lbs
- Evaporator assembly : 55Lbs
- Electrical stand-by assembly : 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 at 30°C(86°F) ambient
Road compressor 2400rpm
ATP Standard



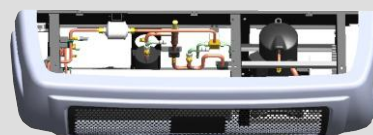
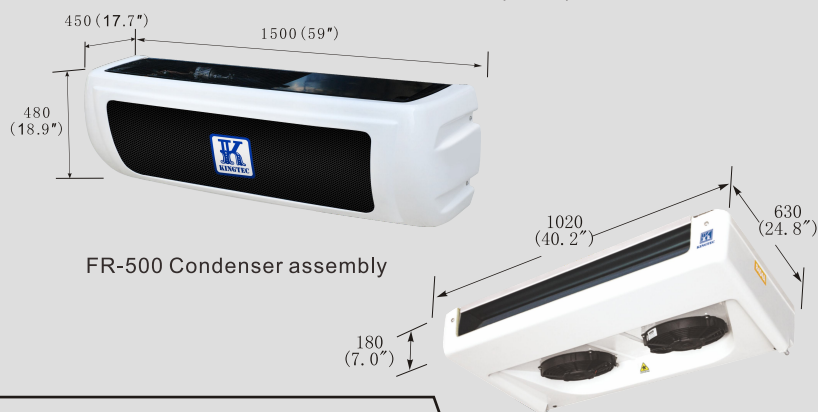
Refrigeration Capacity

Conditions at 38°C(100°F) ambient
Road compressor 2400rpm
National standard



FR-500 (R404A)			FR-500 (R404A)		
Air return/on the road	Watts	BTU/hr	Air return/on the road	Watts	BTU/hr
0°C (32°F)	4420	15000	2°C (35°F)	4150	14100
-20°C (-4°F)	2380	8100	-18°C (0°F)	2200	7500
Electric stand-by 50Hz			Electric stand-by 60Hz		
Watts	BTU/hr		Watts	BTU/hr	
0°C (32°F)	3400	11600	2°C (35°F)	3160	10750
-20°C (-4°F)	1750	6000	-18°C (0°F)	1630	5540

DIMENSION: mm (Inch)



FR-500 Condenser assembly (with stand-by)



FR-500 Condenser assembly (without stand-by)



Stand-by compressor



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