

KINGTEC



TRANSPORT REFRIGERATION UNITS

T135 / T235 / T355

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DESCRIPTION

Kingtec T135 / T235 / T355 series units are designed for fresh, frozen and deep frozen applications on the 4~25m³ mini refrigerator trucks and vans. The road compressor is powered by the vehicles engine and while a second compressor is powered by an electric motor, making it possible to use electric standby to drive the unit. The condenser are installed in the top of car.

SYSTEM COMPONENTS

- Condenser Assembly
- Evaporator Assembly
- Road compressor (With magnetic clutch)
- In-cab control and wiring harness
- Optional heating function: (Hot Gas Heating System or Engine Water Heating System)

REFRIGERENT (CHLORINE ZERO)

- T135: HFC R404A 1.0kg (2.6 lb)
- T235: HFC R404A 1.2kg (2.6 lb)
- T355: HFC R404A 1.4kg (3.1 lb)

ROAD COMPRESSOR (ENGINE DRIVEN)

T135

- Displacement: 108 cc
- Max recommended speed: 3000 RPM

T235

- Displacement: 138 cc
- Max recommended speed: 3000 RPM

T355

- Displacement: 162 cc
- Max recommended speed: 3000 RPM
- With Oil Return Device

DEFROST SYSTEM

- Automatic Hot Gas Defrost

AIRFLOW VOLUME

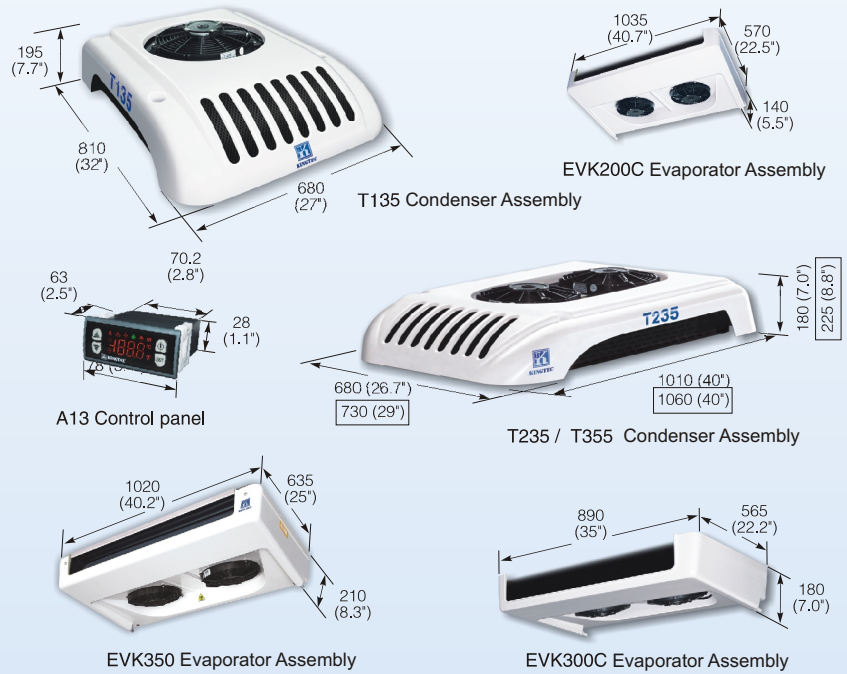
- EVK200C Evaporator: 1200m³ / h
(705 cuft / min)
- EVK300C Evaporator: 1600m³ / h
(940 cuft / min)
- EVK350 Evaporator: 2200m³ / h
(1300 cuft / min)

ELECTRICAL SPECIFICATION

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

	DC12V	DC24V
T135	28A	15A
T235	33A	17A
T355	38A	19A

DIMENSIONS: mm (in)



REFRIGERATION CAPACITY Conditions @ 30°C (86°F) ambient and 2400 compressor rpm ATP Standard			Conditions @ 100°F (38°C) ambient and 2400 compressor rpm US-Standard		
T135 (R404A)			T135 (R404A)		
Air return / on the road	Watts	BTU/hr	Air return / on the road	Watts	BTU/hr
0°C (32°F)	1990	6800	2°C (35°F)	1560	5300
-20°C (-4°F)	960	3280	-18°C (0°F)	900	3070
T235 (R404A)			T235 (R404A)		
Air return / on the road	Watts	BTU/hr	Air return / on the road	Watts	BTU/hr
0°C (32°F)	2900	9860	2°C (35°F)	2750	9350
-20°C (-4°F)	1450	4930	-18°C (0°F)	1250	4250
T355 (R404A)			T355 (R404A)		
Air return / on the road	Watts	BTU/hr	Air return / on the road	Watts	BTU/hr
0°C (32°F)	5100	17350	2°C (35°F)	4500	15300
-20°C (-4°F)	2450	8330	-18°C (0°F)	2350	8000

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.

WEIGHTS

- T135 Condenser Assembly: 26KG
- T235 Condenser Assembly: 26KG
- T355 Condenser Assembly: 32KG
- EVK200C Evaporator Assembly: 22KG
- EVK300C Evaporator Assembly: 28KG
- EVK350 Evaporator Assembly: 32KG