

T235



DESCRIPTION

Kingtec T235 series units are designed for fresh and frozen applications on the 4~18m³ mini refrigerator trucks and vans. The road compressor is powered by the vehicles engine.

SYSTEM COMPONENTS

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

REFRIGERENT (CHLORINE ZERO)

- T235 (R404A): HFC R404A 1.2kg
- T235 (R134a): HFC R134a 1.4kg

ROAD COMPRESSOR (ENGINE DRIVEN) T235

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

AIRFLOW VOLUME

- EVK300C Evaporator: 1600m³ /h (940 cu ft/min)

DEFROST SYSTEM

- Automatic Hot Gas Defrost

ELECTRICAL SPECIFICATION OPTIONS

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

	DC12V	DC24V
T235	33A	17A

- Total current consumption on the road (Road compressor)

WEIGHTS

- T235 Condenser Assembly: 26Kg / 57Lbs
- EVK300C Evaporator Assembly: 25Kg / 55Lbs

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

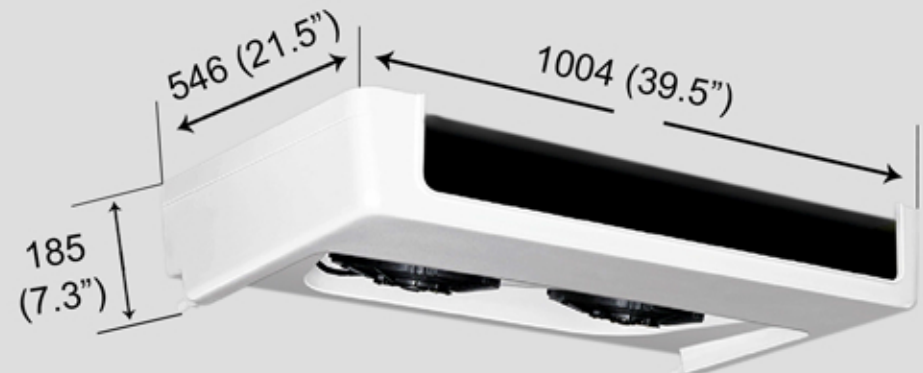


T235 (R404A)			T235 (R404A)		
Air return/ on the road	Watts	BTU/hr	Air return/ on the road	Watts	BTU/hr
0°C (32°F)	3200	10880	2°C (35°F)	2950	10000
-20°C (-4°F)	1500	5100	-18°C (0°F)	1350	4600
T235 (R134a)			T235(R134a)		
Air return/ on the road	Watts	BTU/hr	Air return/ on the road	Watts	BTU/hr
0°C (32°F)	2990	6930	2°C(35°F)	2850	5430
-20°C (-4°F)	1300	3350	-18°C(0°F)	1200	4100

DIMENSIONS: mm (Inch)



T235 Condenser Assembly



EVK300C EVAPORATOR ASSEMBLY



LAE Control Panel

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.



T235E



DESCRIPTION

Kingtec T235E series units are designed for fresh and frozen applications on the 4~18m³ 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 stand-by module installed beside the condensing units.

SYSTEM COMPONENTS

- Condenser assembly
- Evaporator assembly
- Electrical stand-by module
- Road compressor (With magnetic clutch)
- In cab control box and wiring harness
- Optional Program: (Hot Gas Heating System or Engine Water Heating System)

REFRIGERENT (CHLORINE ZERO)

- T235E (R404A): HFC R404A 1.2kg
- T235E (R134a): HFC R134a 1.4kg

ROAD COMPRESSOR (ENGINE DRIVEN) T235E

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

AIRFLOW VOLUME

- EVK300C Evaporator: 1600m³ /h (940 cu ft/min)

DEFROST SYSTEM

- Automatic Hot Gas Defrost

ELECTRICAL SPECIFICATION OPTIONS

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

	DC12V	DC24V
T235E	33A	17A

- Total current consumption on the Electrical stand-by module (Stand-by Compressor)

	T235E
115V/1Phase/60Hz	14.0A
115V/1Phase/60Hz	18.0A
230V/1Phase/50Hz	10.0A
230V/1Phase/60Hz	10.0A
380V/3Phase/50Hz	10.0A

WEIGHTS

- T235 Condenser Assembly: 26Kg / 57Lbs
- EVK300C Evaporator Assembly: 25Kg / 55Lbs
- Electrical Stand-by module Assembly : 60Kg / 132Lbs

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 rpm US-standard

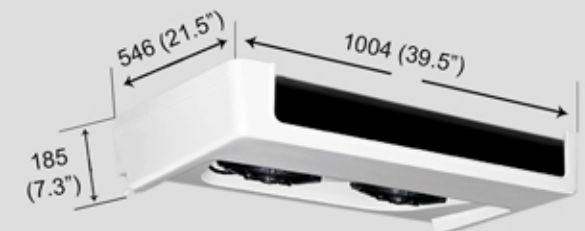


T235E (R404A)			T235E (R404A)		
Air return/ on the road	Watts	BTU/hr	Air return/ on the road	Watts	BTU/hr
0°C (32°F)	3200	10880	2°C (35°F)	2950	10000
-20°C (-4°F)	1500	5100	-18°C (0°F)	1350	4600
Electric stand-by 50Hz			Air return/ on the road		
Watts	BTU/hr		Watts	BTU/hr	
0°C (32°F)	1980	6760	2°C(35°F)	1720	5870
-20°C (-4°F)	1255	4285	-18°C(0°F)	1180	4025
T235E (R134a)			T235E(R134a)		
Air return/ on the road	Watts	BTU/hr	Air return/ on the road	Watts	BTU/hr
0°C (32°F)	2990	6930	2°C(35°F)	2850	5430
-20°C (-4°F)	1300	3350	-18°C(0°F)	1200	4100
Electric stand-by 50Hz			Air return/ on the road		
Watts	BTU/hr		Watts	BTU/hr	
0°C (32°F)	2010	6860	2°C(35°F)	1950	6660
-20°C (-4°F)	780	2660	-18°C(0°F)	700	2390

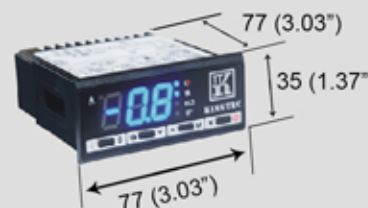
DIMENSIONS: mm (Inch)



T235 Condenser Assembly



EVK300C EVAPORATOR ASSEMBLY



LAE Control Panel



T235 Condenser with Electrical stand-by module