

S293



DESCRIPTION

Kingtec S293 series units are designed for fresh and frozen applications on the 6~19m³ mini refrigerator trucks and vans. The road compressor is powered by the vehicles engine.

SYSTEM COMPONENTS

- Condenser assembly
- Evaporator assembly
- Swash plate road compressor (With magnetic clutch)
- In cab control box and wiring harness

REFRIGERENT (CHLORINE ZERO)

- S293 (R404A): HFC R404A 1.5kg
- S293 (R134a): HFC R134a 1.65kg

ROAD COMPRESSOR (ENGINE DRIVEN)

- Max recommended speed : 3000 RPM
- Includes oil return separator

	S293(R134a)	S293(R404A)
Number of cylinders	6	6
Displacement (cc)	162	147

AIRFLOW VOLUME

- EVK300C Evaporator: 1380m³ /h (810 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
S293	28A	15.5A

WEIGHTS

- S293 Condenser Assembly : 25kg
- EVK300C Evaporator Assembly : 22Kg

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

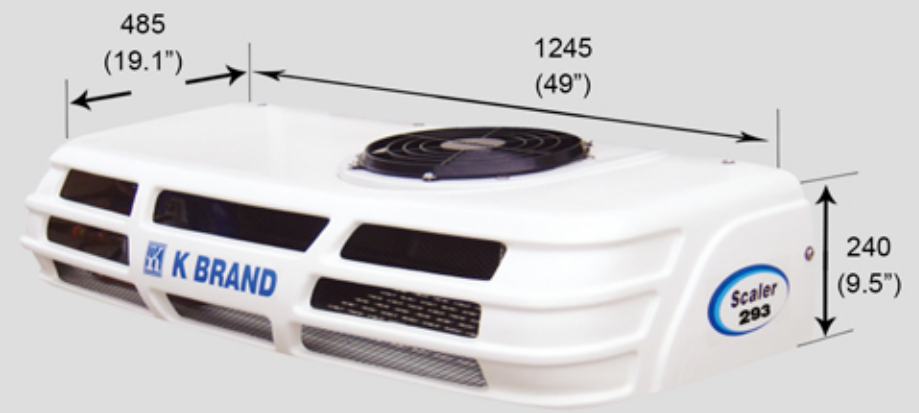


Conditions @ 100°F(38°C) ambient and 2400 compressor pm US-standard

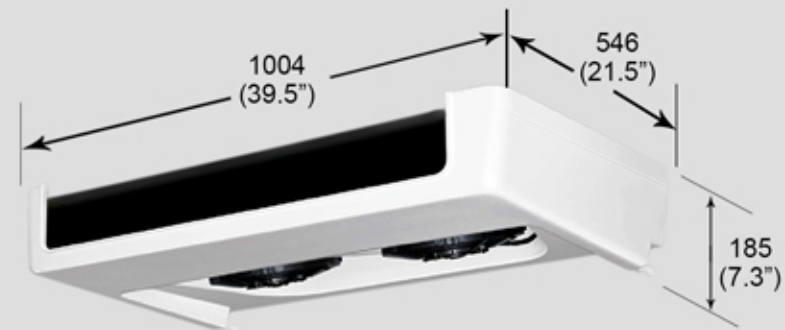


S293 (R404A)			S293 (R404A)		
Air return/ on the road	Watts	BTU/hr	Air return/ on the road	Watts	BTU/hr
0°C (32°F)	3320	11300	2°C (35°F)	3000	10250
-20°C (-4°F)	1880	6420	-18°C (0°F)	1705	2800
S293 (R134a)			S293 (R134a)		
Air return/ on the road	Watts	BTU/hr	Air return/ on the road	Watts	BTU/hr
0°C (32°F)	2990	10200	2°C (35°F)	2850	9560
-20°C (-4°F)	1300	4440	-18°C (0°F)	1200	4100

DIMENSIONS: mm (Inch)



S293 Condenser Assembly



EVK300C Evaporator



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.



S293E



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

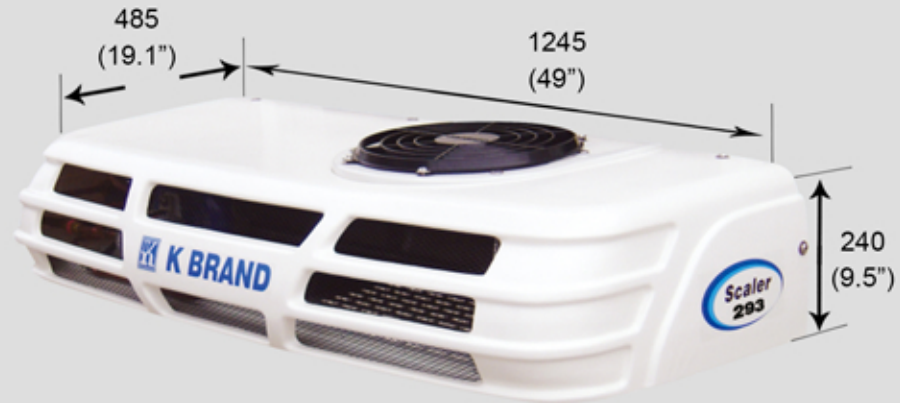


Conditions @ 100°F(38°C) ambient and 2400 compressor pm US-standard

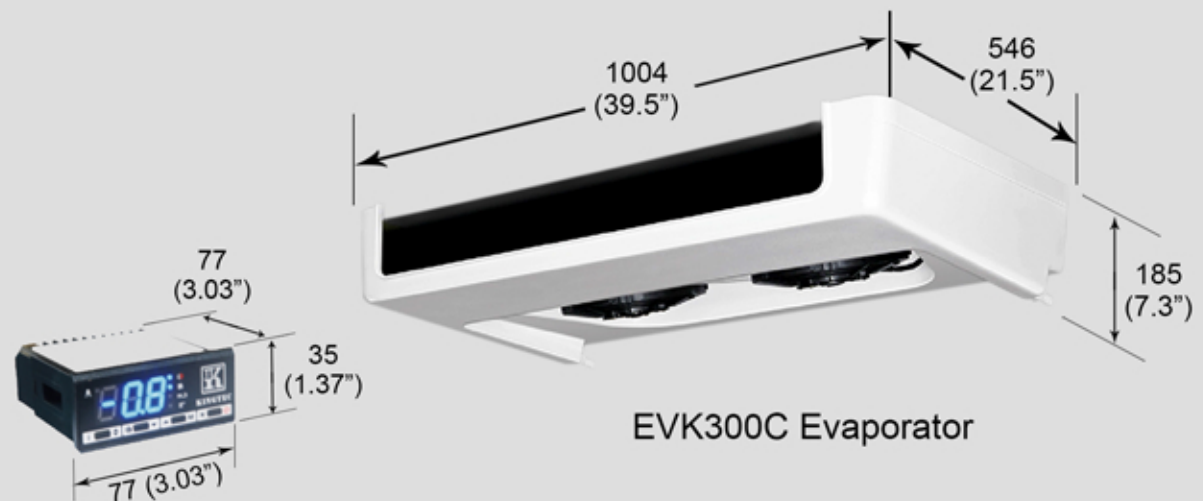


S293E (R404A)			S293E (R404A)		
Air return/ on the road	Watts	BTU/hr	Air return/ on the road	Watts	BTU/hr
0°C (32°F)	3320	11300	2°C (35°F)	3000	10250
-20°C (-4°F)	1880	6420	-18°C (0°F)	1705	2800
Electric stand-by 50Hz			Air return/ on the road		
Watts	BTU/hr		Watts	BTU/hr	
0°C (32°F)	1980	6760	2°C(35°F)	1720	5870
-20°C (-4°F)	1255	4285	-18°C(0°F)	1180	4025
S293E (R134a)			S293E (R134a)		
Air return/ on the road	Watts	BTU/hr	Air return/ on the road	Watts	BTU/hr
0°C (32°F)	2990	10200	2°C (35°F)	2850	9560
-20°C (-4°F)	1300	4440	-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)



S293E Condenser With Electrical Stand-by Assembly



LAE Control Panel

WEIGHTS

- S293E Condenser Assembly (Includes stand-by): 50(75)kg
- EVK300C Evaporator Assembly : 22Kg

DESCRIPTION

Kingtec S293E series units are designed for fresh and frozen applications on the 6~19³ 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 inside the condensing units.

SYSTEM COMPONENTS

- Condenser with stand-by module assembly
- Evaporator assembly
- Swash plate road compressor (With magnetic clutch)
- In cab control box and wiring harness

REFRIGERENT (CHLORINE ZERO)

- S293E (R404A): HFC R404A 1.5kg
- S293E (R134a): HFC R134a 1.65kg

ROAD COMPRESSOR (ENGINE DRIVEN)

- Max recommended speed : 3000 RPM
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Displacement (cc)	162	147

AIRFLOW VOLUME

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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
S293	28A	15.5A

Total stand-by current consumption

	S293E
220V/1Phase/50Hz	14.4A
230V/1Phase/60Hz	14.4A
115V/1Phase/60Hz	28.8A
230V/3Phase/50Hz	8.0A
230V/3Phase/60Hz	9.6A
400V/3Phase/50Hz	4.6A

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