



K095/K125 SPECIFICATION

DESCRIPTION

Kingtec K095/K125 series units are designed for fresh, frozen and deep frozen applications on the 2~14m³ 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.

SYSTEM COMPONENTS

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

REFRIGERANT (CHLORINE ZERO)

K095 (R134a): HFC R134a 1.2kg
K095 (R404A): HFC R404A 1.1kg
K125 (R134a): HFC R134a 1.3kg
K125 (R404A): HFC R404A 1.1kg

ROAD COMPRESSOR (ENGINE DRIVEN)

K095/K125

- Number of cylinders: 5
- Displacement: 87cc/108cc
- Max recommended speed: 3000rpm
- Includes oil return Separator

AIRFLOW VOLUME

EVK100 evaporator: 700m³/h (410 cu ft/min)

EVK200 evaporator: 1200m³/h (705 cu ft/min)

DEFROST

- Automatic hot gas defrost

ELECTRICAL SPECIFICATION

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

	DC12V	DC24V
K095	20.8A	9.2A
K125	25.6A	12.9A

REFRIGERATION CAPACITY

Conditions @ 30℃ (86°F) ambient
and 2400 compressor rpm
ATP Standard

K095 (R134a)		
Air return/on the road	Watts	BTU/hr
0℃ (32°F)	1320	4500
-20℃ (-4°F)	620	2120
K125 (R134a)		
Air return/on the road	Watts	BTU/hr
0℃ (32°F)	2030	6930
-20℃ (-4°F)	980	3350
K095 (R404A)		
Air return/on the road	Watts	BTU/hr
0℃ (32°F)	1380	4710
-20℃ (-4°F)	720	2450
K125 (R404A)		
Air return/on the road	Watts	BTU/hr
0℃ (32°F)	2020	6900
-20℃ (-4°F)	1130	3860

Conditions @ 100°F (38℃) ambient
and 2400 compressor rpm
US-Standard

K095 (R134a)		
Air return/on the road	Watts	BTU/hr
2℃ (35°F)	1280	4370
-18℃ (0°F)	590	2015
K125 (R134a)		
Air return/on the road	Watts	BTU/hr
2℃ (35°F)	1590	5430
-18℃ (0°F)	930	3175
K095 (R404A)		
Air return/on the road	Watts	BTU/hr
2℃ (35°F)	1360	4640
-18℃ (0°F)	660	2250
K125 (R404A)		
Air return/on the road	Watts	BTU/hr
2℃ (35°F)	1980	6760
-18℃ (0°F)	930	3170

DIMENSIONS: mm (Inch)



K095/K125 Condenser



EVK200 Evaporator



Control Panel



EVK100 Evaporator

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 (APPROXIMATE)

K095 condenser: 28kg EVK100 evaporator: 17kg K125 condenser: 28kg EVK200 evaporator: 22kg



S133 SPECIFICATION

DESCRIPTION

Kingtec S133 series units are designed for fresh, frozen and deep frozen applications on the 4~14m³ 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 units are installed in the condensing units.

SYSTEM COMPONENTS

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

REFRIGERENT (CHLORINE ZERO)

S133 (R134a): HFC R134a 1.4kg

S133 (R404A): HFC R404A 1.2kg

ROAD COMPRESSOR (ENGINE DRIVEN)

S133

- Number of cylinders: 5
- Displacement: 108cc
- Max recommended speed: 3000rpm
- Includes oil return separator

AIRFLOW VOLUME:

EVK200 evaporator: 1200m³/h (705 cu ft/min)

DEFROST

- Automatic hot gas defrost

ELECTRICAL SPECIFICATION

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

	DC12V	DC24V
S133	25.6A	13.3A

- Total stand-by current consumption

	S133E
230V/1 Phase/50Hz	14.4A
230V/1 Phase/60Hz	14.4A
115V/1 Phase/60Hz	28.8A
230V/3 Phase/50Hz	8.0A
230V/3 Phase/60Hz	9.6A
400V/3 Phase/50Hz	4.5A

REFRIGERATION CAPACITY

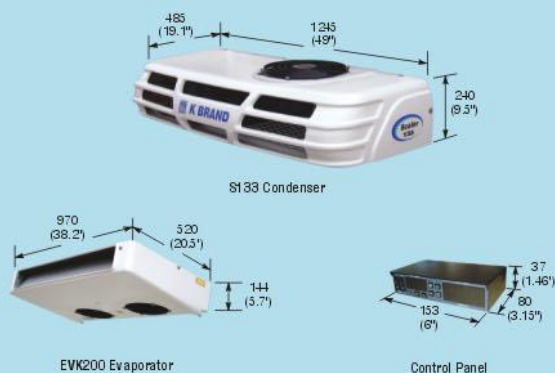
Conditions @ 30°C (86°F) ambient
and 2400 compressor rpm
ATP Standard

S133 (R134a)		
Air return/on the road	Watts	BTU/hr
0°C (32°F)	2030	6930
-20°C (-4°F)	980	3350
Electric stand-by 50Hz		
0°C (32°F)	1730	5900
-20°C (-4°F)	660	2250
S133 (R404A)		
Air return/on the road	Watts	BTU/hr
0°C (32°F)	2020	6900
-20°C (-4°F)	1130	3860
Electric stand-by 50Hz		
0°C (32°F)	1700	5800
-20°C (-4°F)	1010	3450

Conditions @ 100°F (38°C) ambient
and 2400 compressor rpm
US-Standard

S133 (R134a)		
Air return/on the road	Watts	BTU/hr
2°C (35°F)	1590	5430
-18°C (0°F)		3175
Electric stand-by 60Hz		
2°C (35°F)	1350	4610
-18°C (0°F)		8185
S133 (R404A)		
Air return/on the road	Watts	BTU/hr
2°C (35°F)	1980	6760
-18°C (0°F)		3175
Electric stand-by 60Hz		
2°C (35°F)	1600	5460
-18°C (0°F)	1010	3450

DIMENSIONS MILLIMETERS UNIT: mm (Inch)



WARRANTY SUMMARY

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WEIGHTS (APPROXIMATE)

S133 condenser (Include stand-by): 50(75)kg

EVK200 evaporator: 22 kg



S393/S533 SPECIFICATION

DESCRIPTION

Kingtec S393/S533 series units are designed for fresh, frozen and deep frozen applications on the 15~31 m³ medium-sized 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 standby assembly fixed together with the condenser.

SYSTEM COMPONENTS

- Condenser assembly
- Evaporator assembly
- Electric stand-by assembly (Options)
- Road compressor (With magnetic clutch)
- In cab Control box and wiring harness

DEFROST

- Automatic hot gas defrost

ROAD COMPRESSOR (ENGINE DRIVEN)

S393

- Number of cylinders: 6
- Displacement: 162cc
- Max recommended speed: 3000rpm
- Includes oil return separator

S533

- Scroll Compressor
- Displacement: 107cc
- Max recommended speed: 3000rpm
- Includes oil return separator

AIRFLOW VOLUME

EVK400 evaporator: 1650m³/h (970 cu ft/min)

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

REFRIGERANT (CHLORINE ZERO)

S393: HFC R404A 2.3kg

S533: HFC R404A 2.5kg

ELECTRICAL SPECIFICATION OPTIONS

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

	DC12V	DC24V
S393	48.4A	25.5A
S533	53.2A	26.7A

- Total stand-by current consumption

	S393E	S533E
230V/1 Phase/50Hz	19.6A	19.6A
230V/1 Phase/60Hz	19.6A	19.6A
115V/1 Phase/60Hz	39.2A	39.2A
230V/3 Phase/50Hz	11.2A	11.2A
230V/3 Phase/60Hz	13.4A	13.4A
400V/3 Phase/50Hz	6.4A	6.4A

REFRIGERATION CAPACITY

Conditions @ 30 °C (86 °F) ambient
and 2400 compressor rpm
ATP Standard

S393 (R404A)		
Air return/on the road	Watts	BTU/hr
0 °C (32 °F)	4430	15100
-20 °C (-4 °F)	2220	7575
Electric stand-by 50Hz		
0 °C (32 °F)	3420	11670
-20 °C (-4 °F)	1850	6310

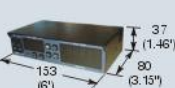
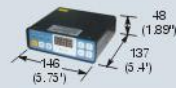
S533 (R404A)		
Air return/on the road	Watts	BTU/hr
0 °C (32 °F)	5480	18700
-20 °C (-4 °F)	3350	11430
Electric stand-by 50Hz		
0 °C (32 °F)	4450	15180
-20 °C (-4 °F)	2350	8020

Conditions @ 100 °F (38 °C) ambient
and 2400 compressor rpm
US-Standard

S393 (R404A)		
Air return/on the road	Watts	BTU/hr
2 °C (35 °F)	4050	13800
-18 °C (0 °F)	2030	6900
Electric stand-by 60Hz		
2 °C (35 °F)	3550	12100
-18 °C (0 °F)	1900	6490

S533 (R404A)		
Air return/on the road	Watts	BTU/hr
2 °C (35 °F)	5080	17330
-18 °C (0 °F)	2920	9960
Electric stand-by 60Hz		
2 °C (35 °F)	4020	13700
-18 °C (0 °F)	2000	6800

DIMENSIONS : mm (Inch)



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WEIGHTS (APPROXIMATE)

S393 condenser (With stand-by): 85(125)kg S533 condenser (With stand-by): 85(125)kg
EVK400 Evaporator: 32kg EVK500 Evaporator: 35kg



S733 SPECIFICATION

DESCRIPTION

Kingtec S733 series units are designed for fresh, frozen and deep frozen applications on the 25~40m³ medium-sized 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 standby assembly fixed together with the condenser.

SYSTEM COMPONENTS

- Condenser assembly
- Evaporator assembly
- Electric stand-by assembly (Options)
- Road compressor (With magnetic clutch)
- In cab Control and wiring harness

DEFROST

- Automatic hot gas defrost

ROAD COMPRESSOR (ENGINE DRIVEN)

S733

- Scroll Compressor
- Displacement: 107cc
- Max recommended speed: 3000rpm
- Includes oil return separator

AIRFLOW VOLUME

EVK700 evaporator: 2750m³/h (1618 cu ft/min)

REFRIGERENT (CHLORINE ZERO)

S733: HFC R404A 3.3kg

ELECTRICAL SPECIFICATION

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

	DC12V	DC24V
S733	62.4A	30.8A

- Total stand-by current consumption

	S733
230V/3Phase/50Hz	18.4A
400V/3Phase/50Hz	10.6A
415V/3Phase/50Hz	10.2A
230V/3Phase/50Hz	21.8A
240V/3Phase/50Hz	21.0A
460V/3Phase/50Hz	11A

REFRIGERATION CAPACITY

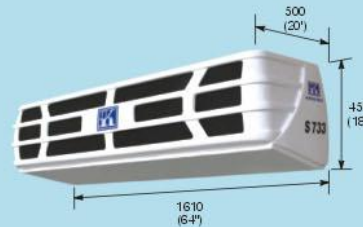
Conditions @ 30℃ (86℉) ambient
and 2400 compressor rpm
ATP Standard

S733 (R404A)		
Air return/on the road	Watts	BTU/hr
0℃ (32℉)	8800	23200
-20℃ (-4℉)	3650	12450
Electric stand-by 50Hz		
0℃ (32℉)	5700	19490
-20℃ (-4℉)	3060	10460

Conditions @ 100℉ (38℃) ambient
and 2400 compressor rpm
US-Standard

S733 (R404A)		
Air return/on the road	Watts	BTU/hr
2℃ (35℉)	5800	19790
-18℃ (0℉)	3320	11330
Electric stand-by 60Hz		
2℃ (35℉)	4870	16620
-18℃ (0℉)	2790	9520

DIMENSIONS : mm (Inch)



S733 Condenser Assembly



EVK700 Evaporator Assembly

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WEIGHTS (APPROXIMATE)

S733 condenser

(With stand-by): 160kg

EVK700 Evaporator: 45kg



T120/T230 SPECIFICATION

DESCRIPTION

Kingtec T120/T230 series units are designed for fresh, frozen and deep frozen applications on the 4~16m³ 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.

SYSTEM COMPONENTS

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

REFRIGERENT (CHLORINE ZERO)

T120 (R134a): HFC R134a 1.4kg
T120 (R404A): HFC R404A 1.2kg
T230 (R134a): HFC R134a 2.0 kg
T230 (R404A): HFC R404A 1.8kg

ROAD COMPRESSOR (ENGINE DRIVEN)

T120

- Number of cylinders: 5
- Displacement: 108cc
- Max recommended speed: 3000rpm
- Includes oil return separator

T230

- Number of cylinders: 5
- Displacement: 138cc
- Max recommended speed: 3000rpm
- Includes oil return separator

DEFROST

- Automatic hot gas defrost

AIRFLOW VOLUME

EVK200 evaporator: 1200m³/h (705 cu ft/min)

ELECTRICAL SPECIFICATION

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

	DC12V	DC24V
T120	32.9A	17.3A
T230	37.4A	19.4A

- Total stand-by current consumption

	T120E/T230E
230W/1 Phase/50Hz	14.4A
230W/1 Phase/60Hz	14.4A
115V/1 Phase/50Hz	28.8A
230W/3 Phase/50Hz	8.0A
230W/3 Phase/60Hz	9.6A
400W/3 Phase/50Hz	4.6A

REFRIGERATION CAPACITY

Conditions @ 30°C (86°F) ambient and 2400 compressor rpm
ATP Standard

T120 (R134a)

Air return/on the road	Watts	BTU/hr
0°C (32°F)	1990	6800
-20°C (-4°F)	960	3280
Electric stand-by 50Hz		
0°C (32°F)	1620	5530
-20°C (-4°F)	620	2120

T230 (R134a)

Air return/on the road	Watts	BTU/hr
0°C (32°F)	2300	7850
-20°C (-4°F)	1080	3690
Electric stand-by 50Hz		
0°C (32°F)	1730	5900
-20°C (-4°F)	660	2250

T120 (R404A)

Air return/on the road	Watts	BTU/hr
0°C (32°F)	1980	6760
-20°C (-4°F)	1010	3450
Electric stand-by 50Hz		
0°C (32°F)	1590	5430
-20°C (-4°F)	960	3280

T230 (R404A)

Air return/on the road	Watts	BTU/hr
0°C (32°F)	2630	8970
-20°C (-4°F)	1450	4950
Electric stand-by 50Hz		
0°C (32°F)	1700	5800
-20°C (-4°F)	1020	3500

Conditions @ 100°F (38°C) ambient and 2400 compressor rpm
US-Standard

T120 (R134a)

Air return/on the road	Watts	BTU/hr
2°C (35°F)	1560	5300
-18°C (0°F)	900	3070
Electric stand-by 60Hz		
2°C (35°F)	1350	4610
-18°C (0°F)	620	2120

T230 (R134a)

Air return/on the road	Watts	BTU/hr
2°C (35°F)	1800	6150
-18°C (0°F)	1020	3480
Electric stand-by 60Hz		
2°C (35°F)	1350	4610
-18°C (0°F)	640	2180

T120 (R404A)

Air return/on the road	Watts	BTU/hr
2°C (35°F)	1960	6690
-18°C (0°F)	900	3070
Electric stand-by 60Hz		
2°C (35°F)	1580	5400
-18°C (0°F)	900	3070

T230 (R404A)

Air return/on the road	Watts	BTU/hr
2°C (35°F)	2310	7880
-18°C (0°F)	1390	4750
Electric stand-by 60Hz		
2°C (35°F)	1600	5560
-18°C (0°F)	1010	3450

DIMENSIONS: mm (Inch)



T120 Condenser



T230 Condenser



EVK200 Evaporator



Control Panel

WARRANTY SUMMARY

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WEIGHTS (APPROXIMATE)

T120 condenser: 18kg T230 condenser: 40kg EVK200 evaporator: 22kg