

XARIOS 150.

Superior versatility and reliability
for small-sized delivery vehicles.



XARIOS 150 is a direct drive refrigeration unit specifically designed for the transportation of fresh or frozen goods in small-sized delivery vehicles with box volumes up to 15 m³.

With a sleek new aesthetic design and an extra-flat evaporator that allows loading up to 180 mm from the top, XARIOS 150 gives unrivalled performance and reliability for vehicles in an urban distribution environment.

- ▶ Optimum performance for superior cargo protection
- ▶ Unrivalled temperature recovery for urban distribution
- ▶ Microprocessor control and cab command make operation easier and safer
- ▶ Rapid installation and easy servicing contribute to reduced life cycle cost
- ▶ Innovations that respect the environment.



S model

- ◆ Refrigerant HFC R404A
- ◆ Multi-function cab command
- ◆ Extra-flat evaporator
- ◆ Hot gas defrost system
- ◆ Road & Standby operation hourmeters
- ◆ Operation on 12VDC and 24VDC vehicles
- ◆ Liquid injection for high ambients
- ◆ Road or Road & Standby operation

Electrical features:

- ◆ Standby compressor CTD HA090
- ◆ Remote plug (Road & Standby version)
- ◆ Single or 3-phase operation

Safety devices:

- ◆ Skin-removal safety mechanism
- ◆ Thermal protection (transformer, diode bridge)
- ◆ Low and high refrigerant pressure protection
- ◆ Secured installation configuration setting

Command components:

- ◆ Microprocessor control system
- ◆ Automatic and manual defrost
- ◆ Digital display : Temperature in °C or °F, set-point, return air, data, configuration parameters, hourmeters and alarms

T model: Extra features

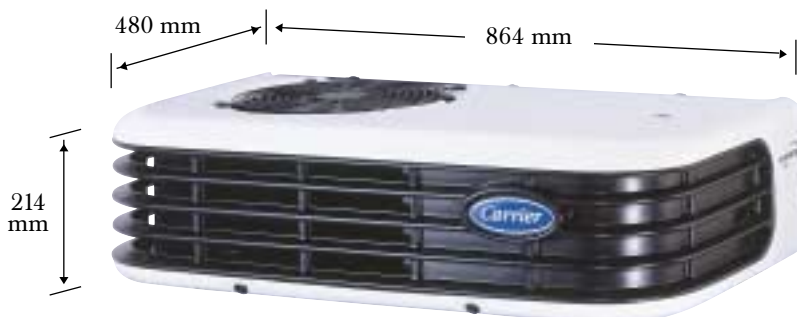
- ◆ High capacity hot gas heating system

Equipment:

- ◆ Road compressor mounting kit
- ◆ Road compressor UP90

Accessories:

- ◆ Drain water heater for deep frozen application
- ◆ Extension connection set for flexible evaporator positioning
- ◆ Door switch sensor for door openings
- ◆ Condenser roof mount accessories



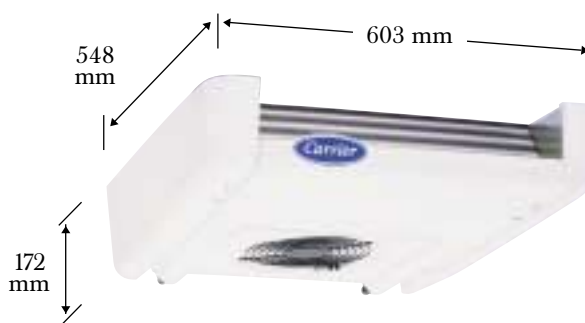
Condenser

Weight:
Road & Standby: 53 kg
Road: 30 kg

Refrigeration capacity (road)

0 °C / + 30 °C: 1800 W
- 20 °C / + 30 °C: 950 W
Ambient temperature at + 30 °C
(per A.T.P. procedure)

Airflow: 650 m³/h



Extra-flat evaporator MXS 600

Weight: 12 kg



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XARIOS 200.

Superior versatility and reliability
for small to medium-sized delivery vehicles.



XARIOS 200 is a direct drive refrigeration unit specifically designed for the transportation of fresh or frozen goods in small to medium-sized delivery vehicles with box volumes up to 22 m³.

With a sleek new aesthetic design and an extra-flat evaporator that allows loading up to 180 mm from the top, XARIOS 200 gives unrivalled performance and reliability for vehicles in an urban distribution environment.

- ▶ Optimum performance for superior cargo protection
- ▶ Unrivalled temperature recovery for urban distribution
- ▶ Microprocessor control and cab command make operation easier and safer
- ▶ Rapid installation and easy servicing contribute to reduced life cycle cost
- ▶ Innovations that respect the environment.



S model

- ◆ Refrigerant HFC R404A
- ◆ Multi-function cab command
- ◆ Extra-flat evaporator
- ◆ Hot gas defrost system
- ◆ Road & Standby operation hourmeters
- ◆ Operation on 12VDC and 24VDC vehicles
- ◆ Liquid injection for high ambients
- ◆ Road or Road & Standby operation

Electrical features:

- ◆ Standby compressor CTD HA090
- ◆ Remote plug (Road & Standby version)
- ◆ Single or 3-phase operation

Safety devices:

- ◆ Skin-removal safety mechanism
- ◆ Thermal protection (transformer, diode bridge)
- ◆ Low and high refrigerant pressure protection
- ◆ Secured installation configuration setting

Command components:

- ◆ Microprocessor control system
- ◆ Automatic and manual defrost
- ◆ Digital display : Temperature in °C or °F, set-point, return air, data, configuration parameters, hourmeters and alarms

T model: Extra features

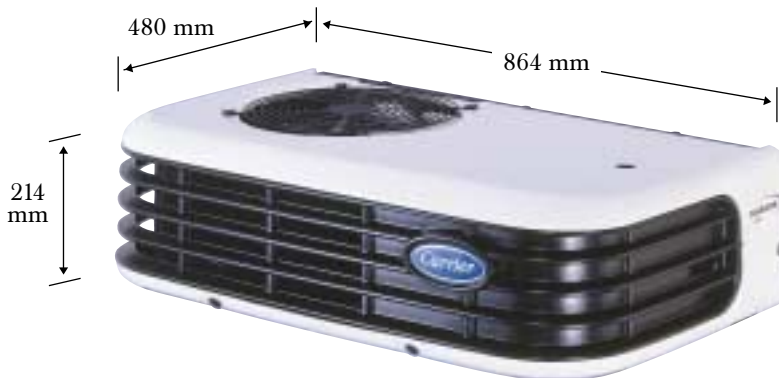
- ◆ High capacity hot gas heating system

Equipment:

- ◆ Road compressor mounting kit
- ◆ Road compressor TM13

Accessories:

- ◆ Drain water heater for deep frozen application
- ◆ Extension connection set for flexible evaporator positioning
- ◆ Door switch sensor for door openings
- ◆ Condenser roof mount accessories



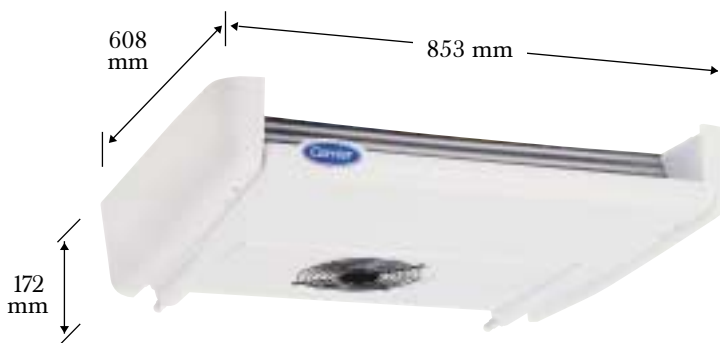
■ Condenser

Weight:
Road & Standby: 53 kg
Road: 30 kg

■ Refrigeration capacity (road)

0 °C / + 30 °C: 2 300 W
- 20 °C / + 30 °C: 1 300 W
Ambient temperature at + 30 °C
(per A.T.P. procedure)

■ Airflow: 830 m³/h



■ Extra-flat evaporator MXS 850

Weight: 17 kg



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XARIOS 300.

Superior versatility and reliability
for medium-sized delivery vehicles.



XARIOS 300 is a direct drive refrigeration unit specifically designed for the transportation of fresh or frozen goods in medium-sized delivery vehicles with box volumes up to 27 m³.

With a sleek new aesthetic design and an extra-flat evaporator that allows loading up to 180 mm from the top, XARIOS 300 gives unrivalled performance and reliability for vehicles in an urban distribution environment.

- ▶ Optimum performance for superior cargo protection
- ▶ Unrivalled temperature recovery for urban distribution
- ▶ Microprocessor control and cab command make operation easier and safer
- ▶ Rapid installation and easy servicing contribute to reduced life cycle cost
- ▶ Innovations that respect the environment.



S model

- ◆ Refrigerant HFC R404A
- ◆ Multi-function cab command
- ◆ Extra-flat evaporator
- ◆ Hot gas defrost system
- ◆ Standby & road operation hourmeters
- ◆ Operation on 12VDC and 24VDC vehicles
- ◆ Liquid injection for high ambients
- ◆ Road or Road & Standby operation

Electrical features:

- ◆ Standby compressor TM15
- ◆ Remote plug (Road & Standby version)
- ◆ Single or 3-phase operation

Safety devices:

- ◆ Skin-removal safety mechanism
- ◆ Thermal protection (transformer, diode bridge)
- ◆ Low and high refrigerant pressure protection
- ◆ Secured installation configuration setting

Command components:

- ◆ Microprocessor control system
- ◆ Automatic and manual defrost
- ◆ Digital display: Temperature in °C or °F, set-point, return air, data, configuration parameters, hourmeters and alarms

T model: Extra features

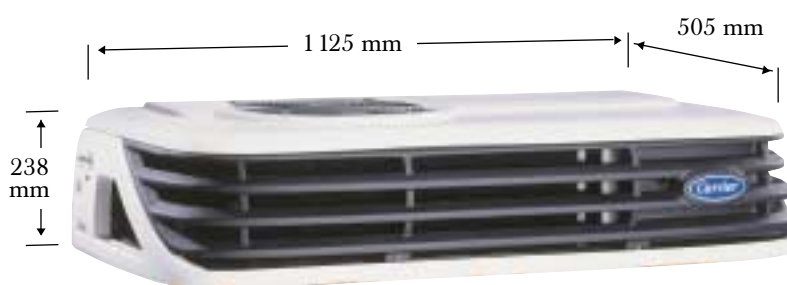
- ◆ High capacity hot gas heating system

Equipment:

- ◆ Road compressor mounting kit
- ◆ Road compressor TM15
- ◆ Electrical kit from 400/3/50 to 230/3/50

Accessories:

- ◆ Drain water heater for deep frozen application
- ◆ Extension connection set for flexible evaporator positioning
- ◆ Door switch sensor for door openings



Condenser

Weight:
Road & Standby: 75 kg
Road: 40 kg

Refrigeration capacity (road)

0 °C / + 30 °C: 2 800 W
- 20 °C / + 30 °C: 1 700 W
Ambient temperature at + 30 °C
(per A.T.P. procedure)

Airflow: 830 m³/h



Extra-flat evaporator

Weight: 17 kg



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XARIOS 350.

Unrivalled versatility and reliability
for medium-sized delivery vehicles.



XARIOS 350 is a direct drive refrigeration unit specifically designed for the transportation of fresh or frozen goods in medium-sized delivery vehicles with box volumes up to 32 m³.

With a sleek new aesthetic design and an extra-flat evaporator that allows loading up to 200 mm from the top, XARIOS 350 gives unrivalled performance and reliability for vehicles in an urban distribution environment.

- ▶ Optimum performance for superior cargo protection
- ▶ Extremely high capacity airflow for constant quality and freshness throughout the box
- ▶ Unrivalled temperature recovery for urban distribution
- ▶ Microprocessor control and cab command make operation easier and safer



- ▶ Rapid installation and easy servicing contribute to reduced life cycle cost
- ▶ Innovations that respect the environment.

S model

- ◆ Refrigerant HFC R404A
- ◆ Multi-function cab command
- ◆ Extra-flat evaporator
- ◆ Hot gas defrost system
- ◆ Standby & road operation hourmeters
- ◆ Operation on 12VDC and 24VDC vehicles
- ◆ Liquid injection for high ambients
- ◆ Road or Road & Standby operation

Electrical features:

- ◆ Standby compressor TM15
- ◆ Remote plug (Road & Standby version)
- ◆ Single or 3-phase operation

Safety devices:

- ◆ Skin-removal safety mechanism
- ◆ Thermal protection (transformer, diode bridge)
- ◆ Low and high refrigerant pressure protection
- ◆ Secured installation configuration setting

Command components:

- ◆ Microprocessor control system
- ◆ Automatic and manual defrost
- ◆ Digital display: Temperature in °C or °F, set-point, return air, data, configuration parameters, hourmeters and alarms

T model: Extra features

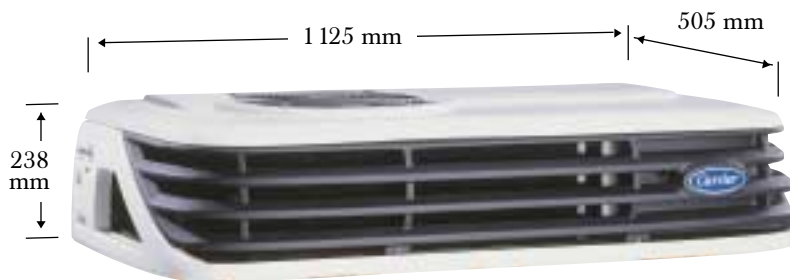
- ◆ High capacity hot gas heating system

Equipment:

- ◆ Road compressor mounting kit
- ◆ Road compressor TM15
- ◆ Electrical kit from 400/3/50 to 230/3/50

Accessories:

- ◆ Drain water heater for deep frozen application
- ◆ Extension connection set for flexible evaporator positioning
- ◆ Door switch sensor for door openings



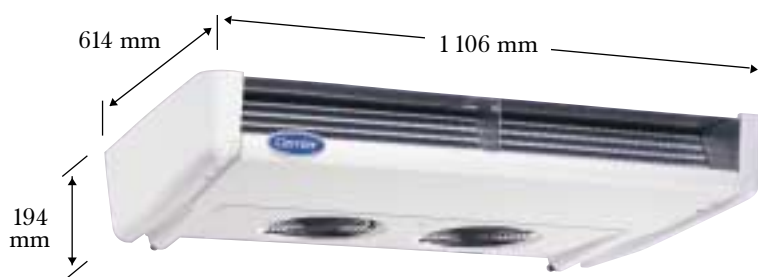
Condenser

Weight:
Road & Standby: 77 kg
Road: 40 kg

Refrigeration capacity (road)

0 °C / + 30 °C: 3310 W
- 20 °C / + 30 °C: 1900 W
Ambient temperature at + 30 °C
(per A.T.P. procedure)

Airflow: 1 540 m³/h



Extra-flat evaporator

Weight: 29 kg

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XARIOS 400.

Superior versatility and reliability
for large-sized delivery vehicles.



XARIOS 400 is a direct drive refrigeration unit specifically designed for the transportation of fresh or frozen goods in large-sized delivery vehicles with box volumes up to 38 m³.

With a sleek new aesthetic design and an extra-flat evaporator that allows loading up to 200 m from the top, XARIOS 400 gives unrivalled performance and

reliability for vehicles in an urban distribution environment.

- ▶ High performance, whatever the conditions, for superior cargo protection.
- ▶ Extremely high capacity airflow for constant quality and freshness throughout the box.
- ▶ Unrivalled temperature recovery for urban distribution.

- ▶ Microprocessor control and cab command that make operation easier and safer.
- ▶ Rapid installation and easy servicing that contribute to reduced life cycle cost.
- ▶ Innovations that respect the environment.

S model

- ◆ Refrigerant HFC R404A
- ◆ Multi-function cab command
- ◆ Extra-flat evaporator
- ◆ Hot gas defrost system
- ◆ Standby & road operation hourmeters
- ◆ Operation on 12VDC and 24VDC vehicles
- ◆ Liquid injection for high ambients
- ◆ Road or Road & Standby operation

Electrical features:

- ◆ Standby compressor Carrier 06VM306
- ◆ Remote plug (Road & Standby version)
- ◆ New tri-phase transformer

Safety devices:

- ◆ Emergency switch management
- ◆ Thermal protection (standby compressor, transformer, diode bridge)
- ◆ Low and high refrigerant pressure protection
- ◆ Secured installation configuration setting for improved protection of data

Command components:

- ◆ Microprocessor control system
- ◆ Automatic and manual defrost
- ◆ Digital display: Temperature in °C or °F, set-point, return air, data, configuration parameters, hourmeters and alarms

T model: Extra features

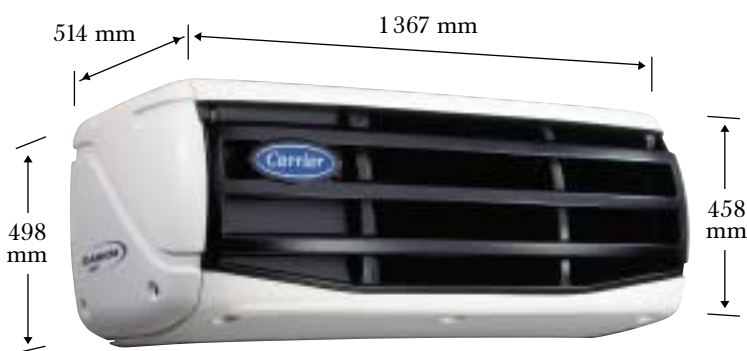
- ◆ High capacity hot gas heating system

Equipment

- ◆ Road compressor mounting kit
- ◆ Road compressor TM16
- ◆ Electrical kit from 400/3/50 to 230/3/50
- ◆ Electrical kit from 230/3/60 to 400/3/60

Accessories

- ◆ Drain water heater for deep frozen application
- ◆ Extension connection set for flexible evaporator positioning
- ◆ Door switch sensor for door openings



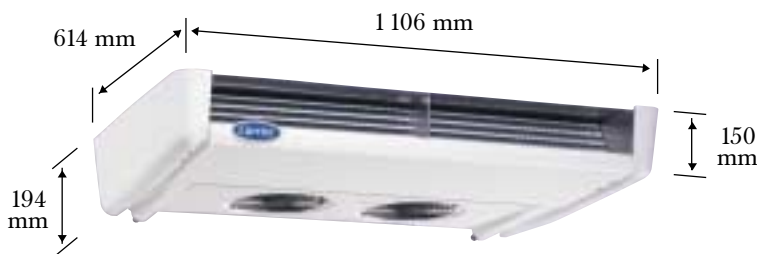
Condenser

Weight:
Road/Standby: 133 kg
Road: 90 kg

Refrigeration capacity (road)

0 °C / + 30 °C: 4300 W
- 20 °C / + 30 °C: 2400 W
Ambient temperature at +30°C
(per ATP procedure)

Airflow: 1540 m³/h



Extra-flat evaporator

Weight: 30 kg

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XARIOS 500 Mt°.

Outstanding performance and flexibility
with an innovative new multitemperature concept.



XARIOS 500 Mt° is a multitemperature unit specifically designed for urban distribution vehicles up to 25 m³ in volume.

One of the recent great challenges in direct drive refrigeration has been to meet multitemperature application requirements with variable speed refrigeration units.

Carrier Transicold, world leader in multitemperature systems, has developed this technology and brings you its latest innovative new concept.

- ▶ A modular concept for application versatility
- ▶ Totally reversible from -20 °C to +10 °C, for operating flexibility
- ▶ Rapid installation and easy servicing contribute to reduced life cycle cost
- ▶ Unrivalled temperature recovery for urban distribution
- ▶ Extra-flat evaporators allow loading up to less than 180 mm from the roof
- ▶ Innovations that respect the environment
- ▶ Microprocessor control and cab command make operation easier and safer.



New unique multi-function 4-digit cab command with Full APi Control Logic®, developed exclusively for the XARIOS multitemperature range:

- Manages cool and heat functions separately or simultaneously



- Individual or simultaneous defrost by manual or automatic operation
- Choice of two operating modes « Automatic » or « Priority ».

T model

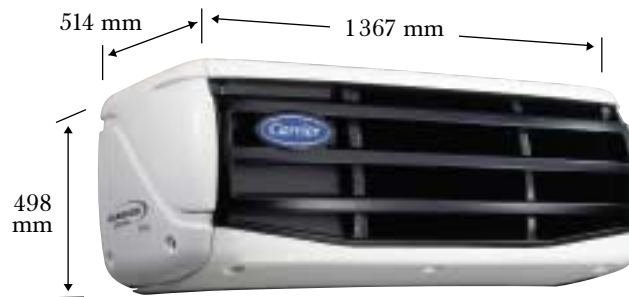
- ◆ Refrigerant R404A
- ◆ Standby compressor Carrier 06VM307
- ◆ High capacity hot gas heating and defrost
- ◆ Road or Road & Standby operation 230-400/3/50
- ◆ Operation on 12VDC and 24VDC vehicles

Equipment:

- ◆ Road compressor: TM16
- ◆ Road compressor mounting kit

Accessories:

- ◆ Door switch
- ◆ Water drain heater



Condenser

Weight:
Road & Standby: 146 kg
Road: 93 kg

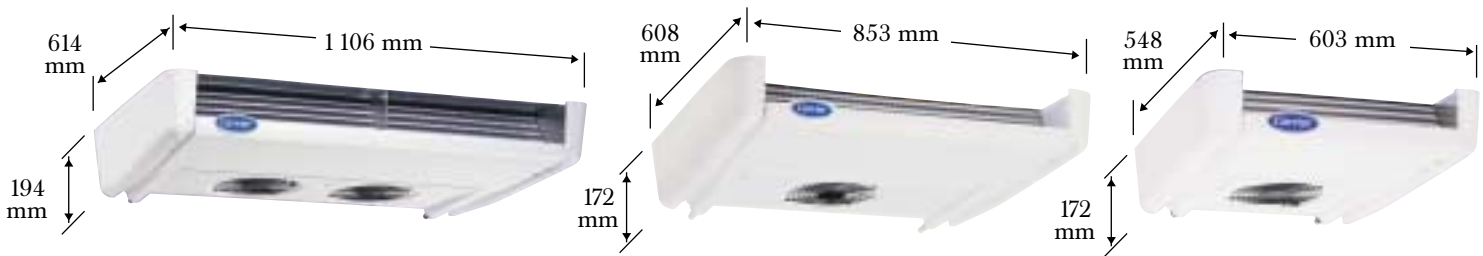
Heating capacity

+20 °C / -18 °C: up to 3 600 W

Refrigeration capacity

-20 °C / +30 °C: up to 2 660 W

A range of 3 powerful slimline evaporators ensure maximum airflow capacity and exceptional loading space. These can be adapted to an extensive number of different configurations according to your specific application up to a total maximum volume of 25 m³.



Maximum volume up to 18 m³



Maximum volume up to 12 m³



Maximum volume up to 7 m³

MXS 1100 evaporator

Airflow: 1 540 m³/h
Weight: 29 kg

MXS 850 evaporator

Airflow: 830 m³/h
Weight: 17 kg

MXS 600 evaporator

Airflow: 650 m³/h
Weight: 12 kg

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XARIOS 600 Mt° is a new, high capacity multi-temperature unit specifically designed for urban distribution vehicles with box volumes up to 30m³.

▶ A modular concept for application versatility

- ▶ Totally reversible from - 20 °C to + 10 °C, for operating flexibility
- ▶ Rapid installation and easy servicing that contribute to reduced life cycle cost
- ▶ Unrivalled temperature recovery for urban distribution

- ▶ Choice of evaporator for maximum load space
- ▶ Innovations that respect the environment
- ▶ Microprocessor control and cab command make operation easier and safer.



New unique multi-function 4-digit cab command with Full API Control Logic®, developed exclusively for the XARIOS multitemperature range.

Condenser

Dimensions

1367 x 514 x 498 mm

Weight

Road / Standby: 152 kg

Road: 88 kg

Refrigeration capacity

- 20 °C / + 30 °C: up to 3090 W

Heating capacity

+ 20 °C / -18 °C: up to 4300 W

T model

Refrigerant HFC R404A

Standby compressor Carrier 06VM307

High capacity hot gas heating and defrost

Road or Road & Standby operation

400/3/50

Operation on 12VDC and 24VDC vehicles

Equipment

Road compressor: TM16

Road compressor mounting kit

Accessories

Door switch

Water drain heater



Maximum volume up to 12 m³



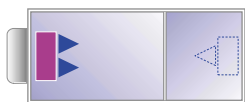
MXV 850 evaporator

Dimensions: 853 x 159 x 619 mm

Weight: 17 kg

Airflow: 770 m³/h

A range of 3 powerful slimline evaporators and 1 vertical evaporator, ensure maximum airflow capacity and exceptional loading space. These can be adapted to an extensive number of different configurations according to your specific application up to a total maximum volume of 30m³.



Maximum volume up to 20 m³

MXL 1100 evaporator

Dimensions: 1106 x 614 x 194 mm

Weight: 29 kg

Airflow: 1500 m³/h



Maximum volume up to 12 m³

MXS 850 evaporator

Dimensions: 853 x 608 x 172 mm

Weight: 19 kg

Airflow: 830 m³/h



Up to 2,60 m

MXS 600 evaporator

Dimensions: 603 x 548 x 172 mm

Weight: 15 kg

Airflow: 650 m³/h



Specifications are subject to change without notice.



500 Carrier service stations in Europe, Russia, Middle East and Africa



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ZEPHYR 30S.

Proven versatility and reliability
for medium-sized delivery vehicles.



ZEPHYR 30S is an R134a direct drive refrigeration unit specifically designed for the transportation of fresh or frozen goods in medium-sized delivery vehicles with box volumes up to 30 m³.

A world «best-seller» in transport refrigeration, ZEPHYR 30S is a unit with an enviable reputation established through many years of reliability and performance in the market.

- ▶ Proven performance for superior cargo protection
- ▶ Choice of roof-top or cubic evaporator for application versatility
- ▶ Microprocessor control and cab command make operation easier and safer
- ▶ Rapid installation and easy servicing contribute to reduced life cycle cost.



■ Condenser

Weight:
Road & Standby: 76 kg
Road: 33 kg

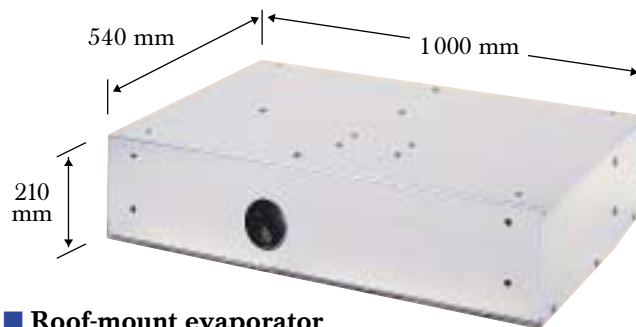
■ Refrigeration capacity (Road)

Evaporator return air temperature	Operation (watts)	
	Roof-mount evap.	Cubic evap.
0 °C / + 30 °C	3 060	2 860
- 20 °C / + 30 °C	1 500	1 325

Ambient temperature at + 30 °C (per A.T.P. procedure)

■ Airflow

Roof-mount evaporator: 1 060 m³/h
Cubic evaporator: 790 m³/h



■ Roof-mount evaporator

Weight: 23 kg



■ Cubic evaporator

Weight: 24 kg

T model

- ◆ Refrigerant HFC R134a
- ◆ Multi-function cab command
- ◆ Cubic or roof-mount evaporator
- ◆ Hot gas defrost system
- ◆ White front grill
- ◆ Road or Road & Standby operation

Electrical features:

- ◆ Standby compressor TM16
- ◆ Remote plug (Road & Standby version)
- ◆ Single or 3-phase operation

Command components:

- ◆ Microprocessor control system
- ◆ Automatic and manual defrost
- ◆ Selection of setpoint, defrost time and defrost interval period
- ◆ High and low alarms for temperature deviation from setpoint

Equipment:

- ◆ Road compressor mounting kit
- ◆ Road compressor TM16
- ◆ Electrical kit from 400/3/50 to 230/3/50

Accessories:

- ◆ High capacity hot gas heating system
- ◆ Liquid injection for ambient above + 42 °C
- ◆ Voltage reducer for 24 VDC vehicles
- ◆ Condenser roof mount accessories

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Our company is constantly seeking to improve the quality of its products and, therefore, reserves the right to modify its products without prior notice.

ZEPHYR 540.

The utmost in simplicity and cost-efficiency
for small to medium-sized delivery vehicles.

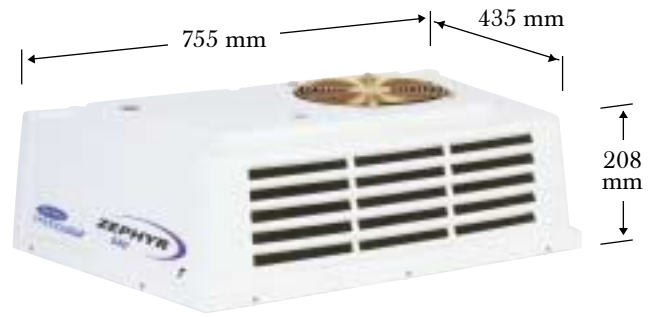


ZEPHYR 540 is a direct drive refrigeration unit specifically designed for the transportation of fresh or frozen goods in small to medium-sized vehicles with box volumes up to 20 m³.

Functioning with R134a refrigerant, ZEPHYR 540 is a road-only unit that is simple to buy and the best value for your money, yet designed and built to give you the long-range performance and efficiency you're looking for today.

4 new models are available today, allowing you to choose the version most adapted to your specific requirements.

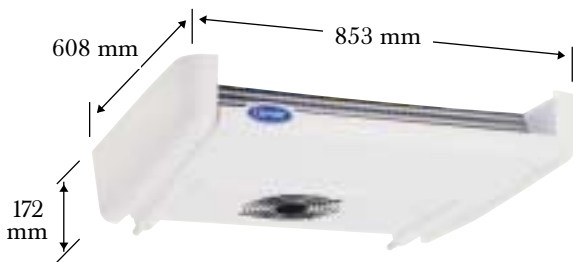
- ▶ The utmost in simplicity and reliability
- ▶ Long range performance
- ▶ Choice of cubic or slimline evaporator
- ▶ Inexpensive to install and maintain
- ▶ New microprocessor control and cab command.



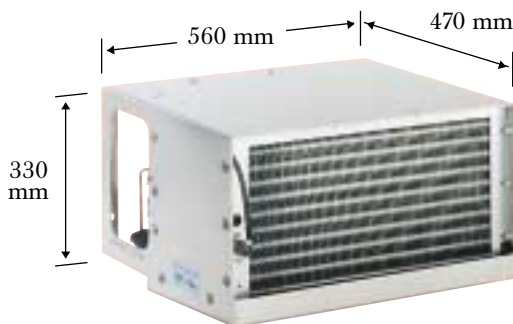
■ **Condenser**
Weight: 15 kg

■ 4 new models are available

Specifications	Refrigerant HFC R134a	Cab command	Slimline or cubic evaporator	Hot gas defrost	Oil separator	Hot gas heating
0 °C (Chilled applications)						
ZEPHYR 540 R	◆	◆	◆			
ZEPHYR 540 S	◆	◆	◆	◆		
- 20 °C (Frozen applications)						
ZEPHYR 540 T	◆	◆	◆	◆	◆	
ZEPHYR 540 X	◆	◆	◆	◆	◆	◆



■ **Slimline evaporator MXS 850**
Weight: 17 kg



■ **Cubic evaporator**
Weight: 24 kg

■ **Refrigeration capacity**

Evaporator return air temperature	Operation (watts)	
	Slimline evap.	Cubic evap.
0 °C / + 30 °C	1 615	1 945
- 20 °C / + 30 °C	700	780

Ambient temperature at + 30 °C (per A.T.P. procedure)

■ **Airflow**

Slimline evaporator: 830 m³/h
Cubic evaporator: 920 m³/h

ZEPHYR 540 now comes with microprocessor control for easier and safer operation. The cab command means all operations are within easy reach:

- Manual defrost
- Selection of setpoint, defrost time and defrost interval period
- High and low alarms for temperature deviation from setpoint.

