

MasterSolutions

Refrigeration Products



Mercedes-Benz Metris

Fresh Refrigeration Package

Gruau IsoTemp plus Thermo King B-100 Reefer with Shore Power

Gruau IsoTemp

IsoTemp is a system of prefabricated, insulated panels that fit perfectly into each van they are designed for. The superior design of the IsoTemp system results in the industry's best insulated performance and long-term durability, which is especially critical for food transport.

The system is also able to be divided into up to 3 separate temperature zones for vehicle flexibility. The floor drain and reefer plumbing behind the bulkhead allow for easy clean up and maintenance.



Advantages of the IsoTemp System:



Industry's Best Insulation Performance

- Potential to use smaller reefer unit to achieve temperature maintenance
- Less fuel consumption, wear and tear on van
- Superior food safety



Easy To Clean

Sealed seams and integrated floor drain make cleaning quick and easy



Long-term Durability

Return flange floor design and double-sealed, interlocking panel seams result in superior long-term durability



Customizable Up To 3 Temperature Zones

Optional inner panels separate load space in up to 3 sections



1 Zone Configuration



2 Zone Configuration



3 Zone Configuration

IsoTemp kit ideal for applications including:



Food Delivery



Biomedical Transport



Catering



Thermo King B-100

The B-100 is a compact, all-electric reefer unit that provides outstanding refrigeration capacity for small trucks and delivery vans in fresh applications.



Features

- Ultra-thin ceiling mounted evaporator to increase payload space
- Low battery voltage protection
- SmartPower electric standby standard (115 VAC)
- Hermetic refrigeration system
- Lightweight construction
- R-134a refrigerant
- 12VDC
- Backed by Thermo King's world-wide service network

Thermo King Reefer Application

Van Make	Van Model	Wheelbase	Roof Height	Thermo King Direct Drive Application			
				10 Door Openings Per Day		30 Door Openings Per Day	
				Fresh (35°F)	Frozen (-4°F)	Fresh (35°F)	Frozen (-4°F)
Mercedes-Benz	Metris	126 in.	Standard	B100	<i>Not Compatible</i>	B100	<i>Not Compatible</i>

*Outside temperature up to 104°F. Check with your sales representative for outside temperatures over 104°F.

**Standard units have suffix "10." The "10" series does not offer power standby.

***Shore power units are represented with suffix "20." The "20" series is offered with 115/1/60 Hz, 220/1/60 Hz or 230/3/60 Hz power standby options.

IsoTemp Van Specifications

Van Make	Van Model	Wheelbase	Roof Height	IsoTemp Kit Available	Cargo Area Volume	Inner Length	Inner Width	Inner Height	Kit Weight
Mercedes-Benz	Metris	126 in.	Standard	Yes	131 cu. ft.	92 in.	58.26 in.	47.63 in.	427 lb.

Sprinter I44" WB High Roof Fresh Refrigeration Package

Gruau IsoTemp plus Thermo King V-200 Direct Drive Reefer with Shore Power

Gruau IsoTemp

IsoTemp is a system of prefabricated, insulated panels that fit perfectly into each van they are designed for. The superior design of the IsoTemp system results in the industry's best insulated performance and long-term durability, which is especially critical for food transport.

The system is also able to be divided into up to 3 separate temperature zones for vehicle flexibility. The floor drain and reefer plumbing behind the bulkhead allow for easy clean up and maintenance.



Advantages of the IsoTemp System:



Industry's Best Insulation Performance

- Potential to use smaller reefer unit to achieve temperature maintenance
- Less fuel consumption, wear and tear on van
- Superior food safety



Easy To Clean

Sealed seams and integrated floor drain make cleaning quick and easy



Long-term Durability

Return flange floor design and double-sealed, interlocking panel seams result in superior long-term durability



Customizable Up To 3 Temperature Zones

Optional inner panels separate load space in up to 3 sections



1 Zone Configuration



2 Zone Configuration



3 Zone Configuration

IsoTemp kit ideal for applications including:



Food Delivery



Biomedical Transport



Catering



Thermo King V-200

The V-200 vehicle powered refrigeration unit deliver day-in and day-out cooling performance for small refrigerated vans or compartmental applications. The reefer uses an engine-mounted compressor and is available in a MAX configuration for higher capacity needs, such as delivery of frozen goods.



Features

- SmartPower electric standby option (115 or 230 VAC)
- Automatic hot gas defrost
- Optional heating package (hot gas or coolant heat)
- Jet Lube compressor lubrication
- Jet Cool compressor injection cooling (MAX units)
- DSR controller
- R-134a or R-404a (MAX) refrigerants
- 12VDC
- Lightweight construction

Thermo King Reefer Application

Van Make	Van Model	Wheelbase	Roof Height	Thermo King Direct Drive Application			
				10 Door Openings Per Day		30 Door Openings Per Day	
				Fresh (35°F)	Frozen (-4°F)	Fresh (35°F)	Frozen (-4°F)
Mercedes-Benz	Sprinter	144 in. (Regular)	High	V200	V300 Max	V200	V520 Max

*Outside temperature up to 104°F. Check with your sales representative for outside temperatures over 104°F.

**Standard units have suffix "10." The "10" series does not offer power standby.

***Shore power units are represented with suffix "20." The "20" series is offered with 115/1/60 Hz, 220/1/60 Hz or 230/3/60 Hz power standby options.

IsoTemp Van Specifications

Van Make	Van Model	Wheelbase	Roof Height	IsoTemp Kit Available	Cargo Area Volume	Inner Length	Inner Width	Inner Height	Kit Weight
Mercedes-Benz	Sprinter	144 in. (Regular)	High	Yes	297 cu. ft.	123 in.	63.8 in.	70.7 in.	638 lb.

Sprinter I44" WB High Roof

Frozen Refrigeration Package

Gruau IsoTemp plus Thermo King V-300 Max Direct Drive Reefer with Shore Power

Gruau IsoTemp

IsoTemp is a system of prefabricated, insulated panels that fit perfectly into each van they are designed for. The superior design of the IsoTemp system results in the industry's best insulated performance and long-term durability, which is especially critical for food transport.

The system is also able to be divided into up to 3 separate temperature zones for vehicle flexibility. The floor drain and reefer plumbing behind the bulkhead allow for easy clean up and maintenance.



Advantages of the IsoTemp System:



Industry's Best Insulation Performance

- Potential to use smaller reefer unit to achieve temperature maintenance
- Less fuel consumption, wear and tear on van
- Superior food safety



Easy To Clean

Sealed seams and integrated floor drain make cleaning quick and easy



Long-term Durability

Return flange floor design and double-sealed, interlocking panel seams result in superior long-term durability



Customizable Up To 3 Temperature Zones

Optional inner panels separate load space in up to 3 sections



1 Zone Configuration



2 Zone Configuration



3 Zone Configuration

IsoTemp kit ideal for applications including:



Food Delivery



Biomedical Transport



Catering



Thermo King V-300 Max

The V-300 Max vehicle powered refrigeration unit deliver day-in and day-out cooling performance for small refrigerated vans or compartmental applications. The reefer uses an engine-mounted compressor and is available in a MAX configuration for higher capacity needs, such as delivery of frozen goods.



Features

- SmartPower electric standby option (115 or 230 VAC)
- Automatic hot gas defrost
- Optional heating package (hot gas or coolant heat)
- Jet Lube compressor lubrication
- Jet Cool compressor injection cooling (MAX units)
- DSR controller
- R-134a or R-404a (MAX) refrigerants
- 12VDC
- Lightweight construction

Thermo King Reefer Application

Van Make	Van Model	Wheelbase	Roof Height	Thermo King Direct Drive Application			
				10 Door Openings Per Day		30 Door Openings Per Day	
				Fresh (35°F)	Frozen (-4°F)	Fresh (35°F)	Frozen (-4°F)
Mercedes-Benz	Sprinter	144 in. (Regular)	High	V200	V300 Max	V200	V520 Max

*Outside temperature up to 104°F. Check with your sales representative for outside temperatures over 104°F.

**Standard units have suffix "10." The "10" series does not offer power standby.

***Shore power units are represented with suffix "20." The "20" series is offered with 115/1/60 Hz, 220/1/60 Hz or 230/3/60 Hz power standby options.

IsoTemp Van Specifications

Van Make	Van Model	Wheelbase	Roof Height	IsoTemp Kit Available	Cargo Area Volume	Inner Length	Inner Width	Inner Height	Kit Weight
Mercedes-Benz	Sprinter	144 in. (Regular)	High	Yes	297 cu. ft.	123 in.	63.8 in.	70.7 in.	638 lb.

Sprinter 170" WB High Roof

Fresh Refrigeration Package

Gruau IsoTemp plus Thermo King V-200 Direct Drive Reefer with Shore Power

Gruau IsoTemp

IsoTemp is a system of prefabricated, insulated panels that fit perfectly into each van they are designed for. The superior design of the IsoTemp system results in the industry's best insulated performance and long-term durability, which is especially critical for food transport.

The system is also able to be divided into up to 3 separate temperature zones for vehicle flexibility. The floor drain and reefer plumbing behind the bulkhead allow for easy clean up and maintenance.



Advantages of the IsoTemp System:



Industry's Best Insulation Performance

- Potential to use smaller reefer unit to achieve temperature maintenance
- Less fuel consumption, wear and tear on van
- Superior food safety



Easy To Clean

Sealed seams and integrated floor drain make cleaning quick and easy



Long-term Durability

Return flange floor design and double-sealed, interlocking panel seams result in superior long-term durability



Customizable Up To 3 Temperature Zones

Optional inner panels separate load space in up to 3 sections



1 Zone Configuration



2 Zone Configuration



3 Zone Configuration

IsoTemp kit ideal for applications including:



Food Delivery



Biomedical Transport



Catering



Thermo King V-200

The V-200 vehicle powered refrigeration unit deliver day-in and day-out cooling performance for small refrigerated vans or compartmental applications. The reefer uses an engine-mounted compressor and is available in a MAX configuration for higher capacity needs, such as delivery of frozen goods.



Features

- SmartPower electric standby option (115 or 230 VAC)
- Automatic hot gas defrost
- Optional heating package (hot gas or coolant heat)
- Jet Lube compressor lubrication
- Jet Cool compressor injection cooling (MAX units)
- DSR controller
- R-134a or R-404a (MAX) refrigerants
- 12VDC
- Lightweight construction

Thermo King Reefer Application

Van Make	Van Model	Wheelbase	Roof Height	Thermo King Direct Drive Application			
				10 Door Openings Per Day		30 Door Openings Per Day	
				Fresh (35°F)	Frozen (-4°F)	Fresh (35°F)	Frozen (-4°F)
Mercedes-Benz	Sprinter	170 in. (Long)	High	V200	V520 Max	V300	V520 Max

*Outside temperature up to 104°F. Check with your sales representative for outside temperatures over 104°F.

**Standard units have suffix "10." The "10" series does not offer power standby.

***Shore power units are represented with suffix "20." The "20" series is offered with 115/1/60 Hz, 220/1/60 Hz or 230/3/60 Hz power standby options.

IsoTemp Van Specifications

Van Make	Van Model	Wheelbase	Roof Height	IsoTemp Kit Available	Cargo Area Volume	Inner Length	Inner Width	Inner Height	Kit Weight
Mercedes-Benz	Sprinter	170 in. (Long)	High	Yes	392 cu. ft.	164 in.	63.8 in.	70.7 in.	836 lb.

Sprinter 170" WB High Roof

Frozen Refrigeration Package

Gruau IsoTemp plus Thermo King V-520 RT Max Direct Drive Reefer with Shore Power

Gruau IsoTemp

IsoTemp is a system of prefabricated, insulated panels that fit perfectly into each van they are designed for. The superior design of the IsoTemp system results in the industry's best insulated performance and long-term durability, which is especially critical for food transport.

The system is also able to be divided into up to 3 separate temperature zones for vehicle flexibility. The floor drain and reefer plumbing behind the bulkhead allow for easy clean up and maintenance.



Advantages of the IsoTemp System:



Industry's Best Insulation Performance

- Potential to use smaller reefer unit to achieve temperature maintenance
- Less fuel consumption, wear and tear on van
- Superior food safety



Easy To Clean

Sealed seams and integrated floor drain make cleaning quick and easy



Long-term Durability

Return flange floor design and double-sealed, interlocking panel seams result in superior long-term durability



Customizable Up To 3 Temperature Zones

Optional inner panels separate load space in up to 3 sections



1 Zone Configuration



2 Zone Configuration



3 Zone Configuration

IsoTemp kit ideal for applications including:



Food Delivery



Biomedical Transport



Catering



Thermo King V-520 RT Max

The V-520 RT provides superior cooling performance. The rooftop arrangement is perfect for large vans and body-on-chassis vehicles with reach-in side compartments. Only Thermo King offers a refrigeration system with this much capacity in a slim line package (just 6" above the roof for non-standby units).



Features

- SmartPower electric standby option (230 VAC)
- Automatic hot gas defrost
- Optional heating package (hot gas or coolant heat)
- Jet Lube compressor lubrication
- Jet Cool compressor injection cooling (MAX units)
- DSR controller
- 12VDC
- 24VDC (non-standby units only)
- Lightweight construction
- Long life condenser fans

Thermo King Reefer Application

Van Make	Van Model	Wheelbase	Roof Height	Thermo King Direct Drive Application			
				10 Door Openings Per Day		30 Door Openings Per Day	
				Fresh (35°F)	Frozen (-4°F)	Fresh (35°F)	Frozen (-4°F)
Mercedes-Benz	Sprinter	170 in. (Long)	High	V200	V520 Max	V300	V520 Max

*Outside temperature up to 104°F. Check with your sales representative for outside temperatures over 104°F.

**Standard units have suffix "10." The "10" series does not offer power standby.

***Shore power units are represented with suffix "20." The "20" series is offered with 115/1/60 Hz, 220/1/60 Hz or 230/3/60 Hz power standby options.

IsoTemp Van Specifications

Van Make	Van Model	Wheelbase	Roof Height	IsoTemp Kit Available	Cargo Area Volume	Inner Length	Inner Width	Inner Height	Kit Weight
Mercedes-Benz	Sprinter	170 in. (Long)	High	Yes	392 cu. ft.	164 in.	63.8 in.	70.7 in.	836 lb.

Sprinter 170" Extended WB High Roof Fresh Refrigeration Package

Gruau IsoTemp plus Thermo King V-200 Direct Drive Reefer with Shore Power

Gruau IsoTemp

IsoTemp is a system of prefabricated, insulated panels that fit perfectly into each van they are designed for. The superior design of the IsoTemp system results in the industry's best insulated performance and long-term durability, which is especially critical for food transport.

The system is also able to be divided into up to 3 separate temperature zones for vehicle flexibility. The floor drain and reefer plumbing behind the bulkhead allow for easy clean up and maintenance.



Advantages of the IsoTemp System:



Industry's Best Insulation Performance

- Potential to use smaller reefer unit to achieve temperature maintenance
- Less fuel consumption, wear and tear on van
- Superior food safety



Easy To Clean

Sealed seams and integrated floor drain make cleaning quick and easy



Long-term Durability

Return flange floor design and double-sealed, interlocking panel seams result in superior long-term durability



Customizable Up To 3 Temperature Zones

Optional inner panels separate load space in up to 3 sections



1 Zone Configuration



2 Zone Configuration



3 Zone Configuration

IsoTemp kit ideal for applications including:



Food Delivery



Biomedical Transport



Catering



Thermo King V-200

The V-200 vehicle powered refrigeration unit deliver day-in and day-out cooling performance for small refrigerated vans or compartmental applications. The reefer uses an engine-mounted compressor and is available in a MAX configuration for higher capacity needs, such as delivery of frozen goods.



Features

- SmartPower electric standby option (115 or 230 VAC)
- Automatic hot gas defrost
- Optional heating package (hot gas or coolant heat)
- Jet Lube compressor lubrication
- Jet Cool compressor injection cooling (MAX units)
- DSR controller
- R-134a or R-404a (MAX) refrigerants
- 12VDC
- Lightweight construction

Thermo King Reefer Application

Van Make	Van Model	Wheelbase	Roof Height	Thermo King Direct Drive Application			
				10 Door Openings Per Day		30 Door Openings Per Day	
				Fresh (35°F)	Frozen (-4°F)	Fresh (35°F)	Frozen (-4°F)
Mercedes-Benz	Sprinter	170 in. (Long Extended)	High	V200	V520 Max	V300	V520 Max

*Outside temperature up to 104°F. Check with your sales representative for outside temperatures over 104°F.

**Standard units have suffix "10." The "10" series does not offer power standby.

***Shore power units are represented with suffix "20." The "20" series is offered with 115/1/60 Hz, 220/1/60 Hz or 230/3/60 Hz power standby options.

IsoTemp Van Specifications

Van Make	Van Model	Wheelbase	Roof Height	IsoTemp Kit Available	Cargo Area Volume	Inner Length	Inner Width	Inner Height	Kit Weight
Mercedes-Benz	Sprinter	170 in. (Long Extended)	High	Yes	427 cu. ft.	179.7 in.	63.8 in.	70.7 in.	924 lb.

Sprinter 170" Extended WB High Roof Frozen Refrigeration Package

Gruau IsoTemp plus Thermo King V-520 RT Max Direct Drive Reefer with Shore Power

Gruau IsoTemp

IsoTemp is a system of prefabricated, insulated panels that fit perfectly into each van they are designed for. The superior design of the IsoTemp system results in the industry's best insulated performance and long-term durability, which is especially critical for food transport.

The system is also able to be divided into up to 3 separate temperature zones for vehicle flexibility. The floor drain and reefer plumbing behind the bulkhead allow for easy clean up and maintenance.



Advantages of the IsoTemp System:



Industry's Best Insulation Performance

- Potential to use smaller reefer unit to achieve temperature maintenance
- Less fuel consumption, wear and tear on van
- Superior food safety



Easy To Clean

Sealed seams and integrated floor drain make cleaning quick and easy



Long-term Durability

Return flange floor design and double-sealed, interlocking panel seams result in superior long-term durability



Customizable Up To 3 Temperature Zones

Optional inner panels separate load space in up to 3 sections



1 Zone Configuration



2 Zone Configuration



3 Zone Configuration

IsoTemp kit ideal for applications including:



Food Delivery



Biomedical Transport



Catering



Thermo King V-520 RT Max

The V-520 RT provides superior cooling performance. The rooftop arrangement is perfect for large vans and body-on-chassis vehicles with reach-in side compartments. Only Thermo King offers a refrigeration system with this much capacity in a slim line package (just 6" above the roof for non-standby units).



Features

- SmartPower electric standby option (230 VAC)
- Automatic hot gas defrost
- Optional heating package (hot gas or coolant heat)
- Jet Lube compressor lubrication
- Jet Cool compressor injection cooling (MAX units)
- DSR controller
- 12VDC
- 24VDC (non-standby units only)
- Lightweight construction
- Long life condenser fans

Thermo King Reefer Application

Van Make	Van Model	Wheelbase	Roof Height	Thermo King Direct Drive Application			
				10 Door Openings Per Day		30 Door Openings Per Day	
				Fresh (35°F)	Frozen (-4°F)	Fresh (35°F)	Frozen (-4°F)
Mercedes-Benz	Sprinter	170 in. (Long Extended)	High	V200	V520 Max	V300	V520 Max

*Outside temperature up to 104°F. Check with your sales representative for outside temperatures over 104°F.

**Standard units have suffix "10." The "10" series does not offer power standby.

***Shore power units are represented with suffix "20." The "20" series is offered with 115/1/60 Hz, 220/1/60 Hz or 230/3/60 Hz power standby options.

IsoTemp Van Specifications

Van Make	Van Model	Wheelbase	Roof Height	IsoTemp Kit Available	Cargo Area Volume	Inner Length	Inner Width	Inner Height	Kit Weight
Mercedes-Benz	Sprinter	170 in. (Long Extended)	High	Yes	427 cu. ft.	179.7 in.	63.8 in.	70.7 in.	924 lb.

IsoTemp kit ideal for applications including:



Food Delivery



Biomedical Transport



Catering

Gruau Product Summary

Gruau IsoTemp plus Thermo King



Metris with Gruau IsoTemp plus Thermo King B-100 Reefer with Shore Power

Sprinter 144" WB High Roof with Gruau IsoTemp plus Thermo King V-200 Direct Drive Reefer with Shore Power



Advantages of the IsoTemp System:



Industry's Best Insulation Performance

- Potential to use smaller reefer unit to achieve temperature maintenance
- Less fuel consumption, wear and tear on van
- Superior food safety



Easy To Clean

Sealed seams and integrated floor drain make cleaning quick and easy



Long-term Durability

Return flange floor design and double-sealed, interlocking panel seams result in superior long-term durability