



FROSTCAR

Eutectic Solutions



www.frostcar.com



OVER
15 YEARS
EXPERIENCE



Frostcar started to manufacture frigorific body in 1997 upon industry's demand. As a result of long studies of R&D, our company started manufacturing Frostcar brand Eutectic-type frigorific bodies in 2006 and put these at the disposal of ice cream and frozen food industry.

Frostcar is known the first Turkish brand with 100% domestic production that serves in Turkey and countries in the region. Aspired to provide products and services for its customer as good as possible.

BOOST YOUR BUSINESS

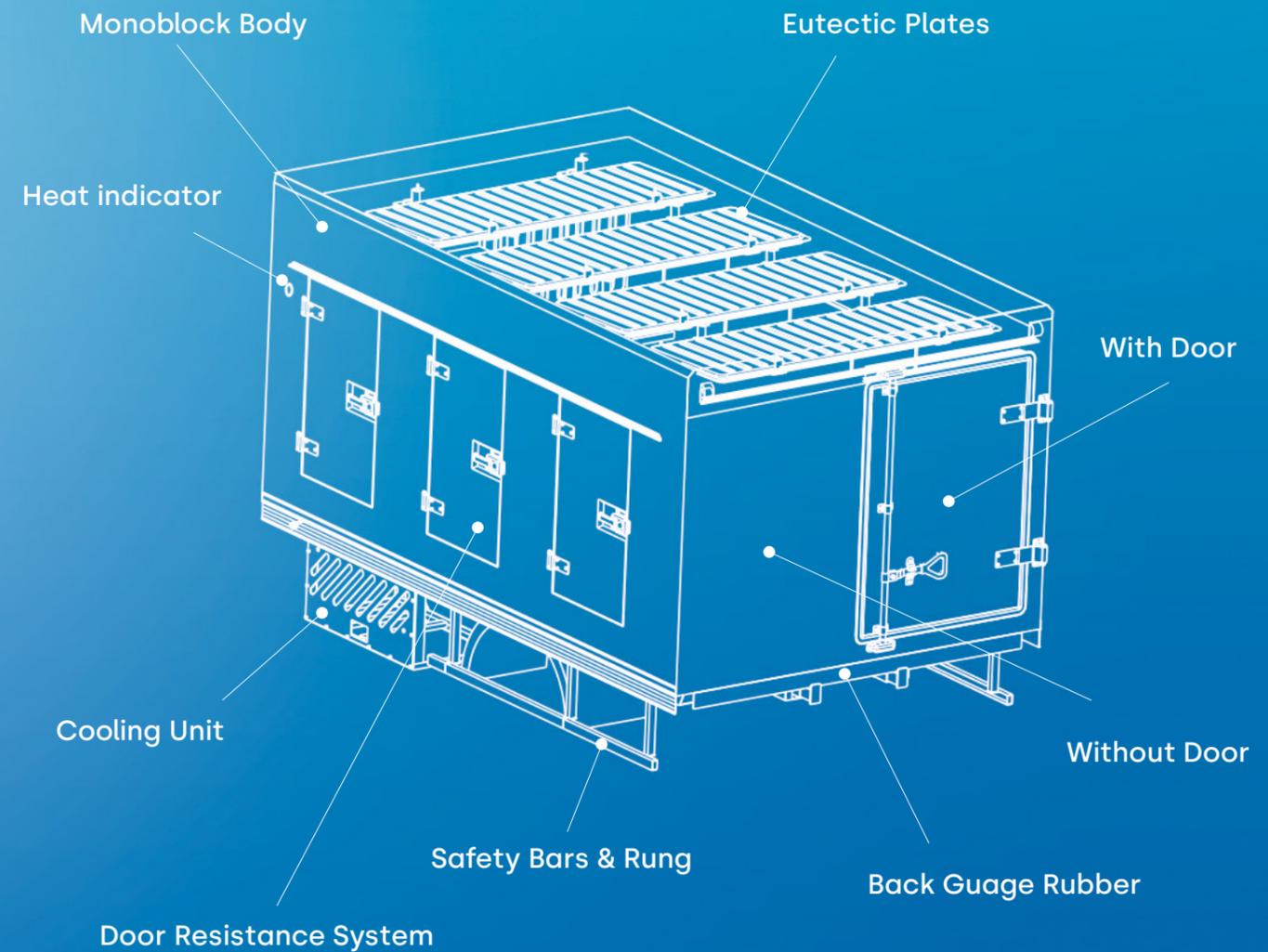
Low Maintenance Cost

No Extra Fuel Cost

No Extra Carbon Emission



LONG LASTING & STRONG BODIES



Long Lasting



High Quality Insulated



Low Cost Maintenance



Strong Chassis



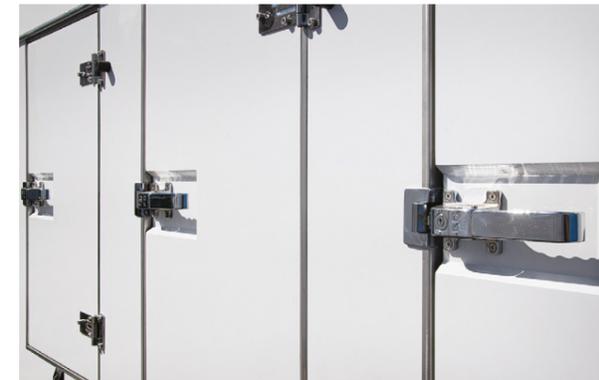
Reliable Components

2 Years Unlimited Warranty



Charge and distribute. -40°C / 60+ Deliveries.

R&D developed with engineering.



Door Insulation

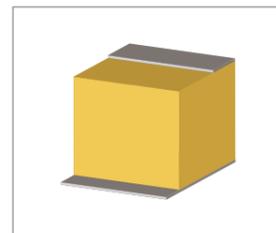
Inner and outer coating surfaces produced with glass reinforced polyester (GRP). High density polyurethane is injected inside to GRP for the best production ice-cream box panels.

Sealing and keeping heat in truck body with its provided by special design. It protects your products with its lock feature.

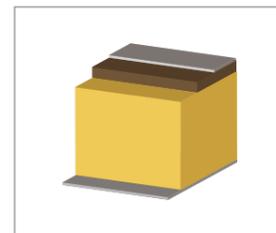
Lightings

Special insulated (IP68) and high power LED lighting mounted for comfortable view inside the case. Exterior lightings are mounted in accordingly traffic rules

-  GRP (Glass 'fiber' reinforced plastic)
-  Water Plywood
-  Polyurethane 40-42 kg/m³



Front, Rear, Side Walls



Bottom

Body & Insulation

Inner and outer coating surfaces panels produced with fiber glass are pressed with a high density press with a polyurethane injection system and the best ice cream box panel is produced.

Insulated panels HST *High Strength Technology

All panel walls, ceiling and floor connections are insulated with reinforced fiberglass. All Panels are tested repeatedly by our experienced team for moisture prevention and the best cooling system.



Aluminum Separation & Floor Plastic

Each side door is separated with aluminum material. It is also keep the cold air inside the frame. Floor plastics are furnished for air circulation.



Trolleys

Trolleys are all made of galvanized materials. Designed with 2 fixed and 2 mobile wheels which are accordance with the chrome rails in the body. It is manufactured for commercial use with extremely robust structure.



Cooling Unit

Cooling unit; It consists of 380V, 3-phase, semi-hermetic Dorin brand compressor and Danfoss brand auxiliary equipment. Materials that are resistant to vibrations in tough road conditions have been selected. It is produced as long-lasting and low maintenance cost with special designs. Quality material selection, experience and a challenging test phase are required for a good cooling device that can operate for a long time under difficult conditions.

The cooling units, which are specially designed and calculated for each model, are selected from world-class products with quality and safety certificates, which are accepted with their quality all over the world.



Rain Gutter

Stainless rain gutters prevent water accumulation on the doors and freezing of water on the doors.



Rear Door

It is designed for fast loading. It is used for loading baskets. Resistance is Standard. Sealing is provided with 4 layers of rubber gasket. It protects your products with its lock feature.



Body lifting parts & holes

It is used to transport the truck body without any damage.



Safety bars & rung

It is used as a step for the driver or delivery personnel to easily get products from the truck bed. It provides protection against accidents.



Superior Uptime



Low Cost Maintenance



Reliable Components

WHAT IS EUTECTIC PLATE

Specially produced cooling plates that are charged with electricity, melt late and keep the cold. Eutectic systems plates are filled with a solution to accumulate energy, produce a cooling effect with the correct temperature in the truck bodies.

Eutectic truck bodies are suitable for long distance distributions also as well as distribute deliveries door to door. It is best solution for an operation with multiple stops and door openings.

Most of refrigerated vehicles use steam compression refrigeration systems that operating from the vehicle's engine or from an auxiliary diesel engine. This way cause extra energy consumption and maintenance costs. Eutectic truck bodies are best way to low operating and maintenance costs.



Eutectic plate sheets, which are cold pressed in specially designed molds, are welded to high standards after the internal pipe installations are laid.

After rigorous testing, its surface is covered with zinc. It is ready to use after eutectic liquid filling.



Fast Cooling



Long Cold Protection

FEATURES OF OUR PLATES

Temperatures				-11°C		-33°C	
Model	W	H	T	Accum.	Weight	Accum.	Weight
	(mm)	(mm)	(mm)	(Wh)	(Kg)	(Wh)	(Kg)
FP177	1750	700	45	3290	79	3385	85
FP175	1750	500	45	2405	57	2470	62
FP147	1450	700	45	2695	66	2780	72
FP145	1450	500	45	1950	48	2010	54
FP137	1300	700	45	2465	59	2520	64
FP077	700	700	45	1335	32	1360	35



FP177



FP175



FP147



FP145



FP137



FP077

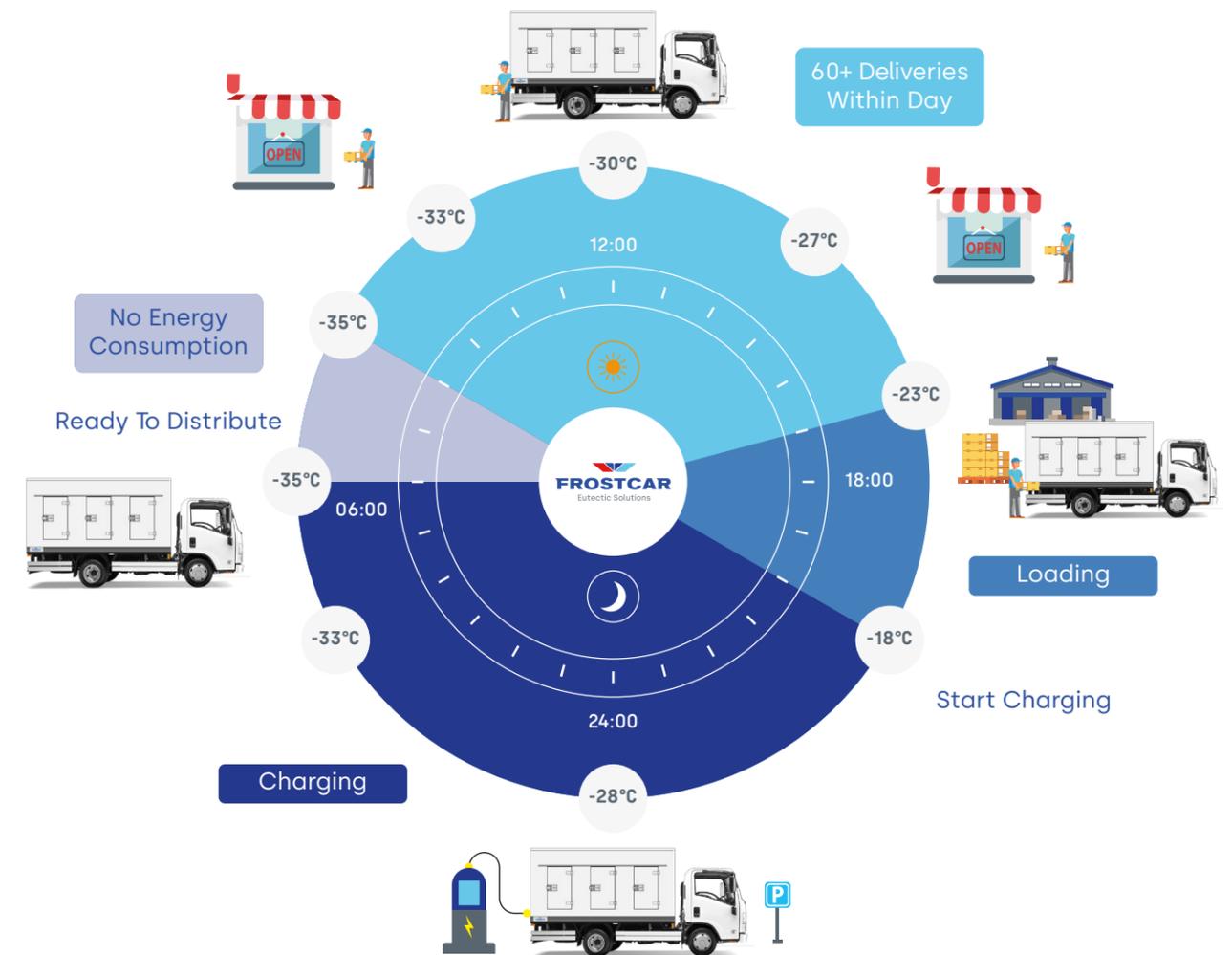
Benefits Of Eutectic Plates



- 10% less electrical energy consumption
- No extra fuel consumption
- No Extra Carbon Emission

- Continuous cooling, even when the vehicle engine is off
- No fuel or energy required during delivery
- Zero-noise operation
- Maintenance-free
- Ease of operation
- Zero-emission
- Low total cost of ownership
- Compatibility all kind of trucks

24 HOURS OF EUTECTIC TRUCK BODIES



- Loading
- Charging
- Ready To Distribute
- Distributing

General Specifications

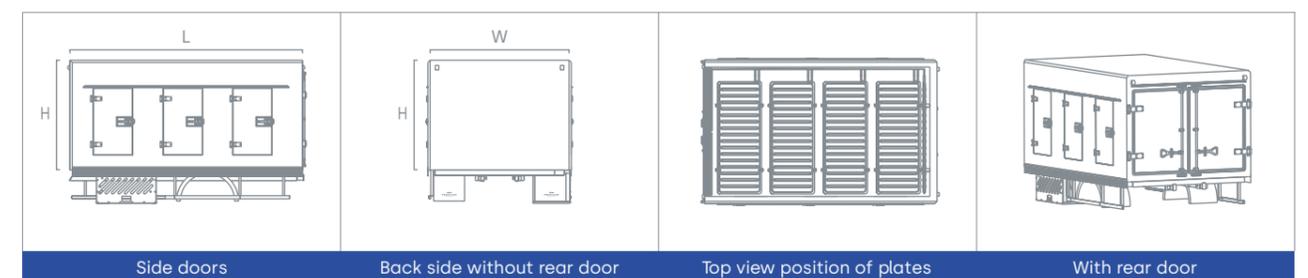
Part	Feature	
Number of Side Doors	2 / 3 / 4 / 5 Units	*
Side Door Dimensions	610 x 1040mm. / 700 x 1100mm.	*
Body Type	Monoblock	
Hinge Type	Chrome Nickel	
Lock Type	Brass	
Wall Thickness	100mm. (Top/Bottom: 125mm. or 150mm.)	*
Isolation Type	Polyurethane	
Insulation Value	40-42 kg/m ³	
Doors Freezing Safety	24V Resistance	
Back door	Double wing opening	**
Heat Indicator	-40°C Thermometer	
Drainage	Tubular Drainage System	**
Indoor Lighting Type	Led (IP68)	
Doors Rain Gutter	Aluminum rain gutter over door	
Side Safety Bars & Rung	Stepped type side protector on both sides	
Eutectic Plate Brand	FROSTCAR	
Number of Eutectic Plates	4pcs / 5pcs / 6pcs / 8pcs	*
Compressor Brand	DORIN	
Compressor Power	2.5HP / 3HP / 4HP / 5HP / 7.5HP	*
Cooling Group Auxiliary Equipment	DANFOSS	
Back Gauge Rubber	Standard	
Body Lifting Holes	Sliding into the chassis	**
Roll Container	Suitable for body internal structure	**
Seperation	Aluminum Seperation / 6-8-10 Trolleys	*
Body Color	Ral 9003	

* Variable according to the body type
 ** Optional

Led lighting interior is standart
 Lighting exterior is optional

Models & Dimensions

Model	L	W	H	Side Doors	Rear Door	Side Door Dimensions	Eutectic Plates	Comp.	Seperation
	(mm)	(mm)	(mm)	Units		(mm)		HP	System/Units
FC250	2200	1800	1550	2+2	No	610*1040	3 pcs 1300*700	2.5	Aluminum Seperation
FC310	3100	1850	1700	3+3	Yes	610*1040	4 pcs 450*700 1 pcs 1450*500	3	6 Trolleys
FC315	3150	1850	1700	3+3	No	610*1040	4 pcs 1450*700	3	Aluminum Seperation
FC360	3600	2200	1700	3+3	Yes	610*1040	5 pcs 1750*700 1 pcs 1750*500	4	6 Trolleys
FC365	3650	2200	1700	3+3	No	610*1040	5 pcs 1750*700 1 pcs 1750*500	4	Aluminum Seperation
FC430	4300	2200	1700	4+4	Yes	610*1040	6 pcs 1750*700	5	8 Trolleys
FC435	4350	2200	1700	4+4	No	610*1040	6 pcs 1750*700	5	Aluminum Seperation
FC525	5200	2200	1700	5+5	Yes	610*1040	7 pcs 1750*700	5	10 Trolleys
FC525P	5200	2200	2050	5+5	Yes	700*1100	8 pcs 1750*700	7.5	10 Trolleys





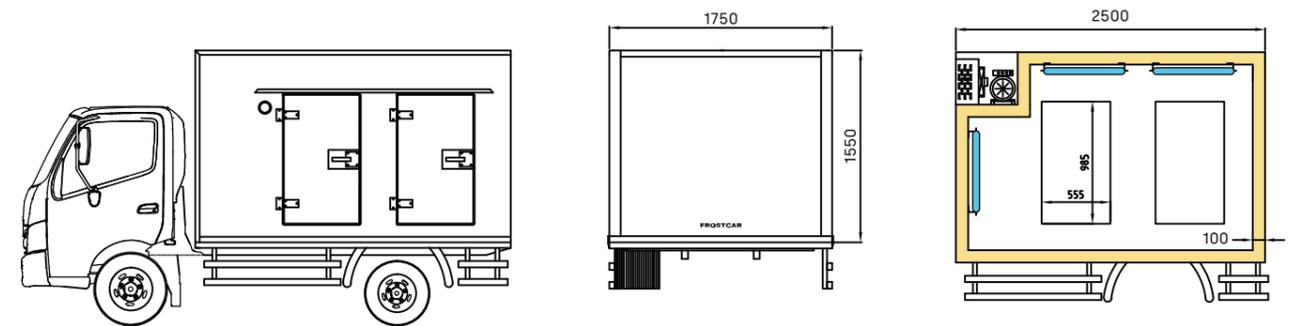
F250 Specifications

Outer Dimensions (mm)	L: 2500 x W: 1750 x H: 1550
Inner Gross Volume	4 m ³
Separation	Aluminum Separation
Refrigeration	2.5 HP Cooling Unit 3 pcs. Eutectic Plates

Technical Features



Part	Feature
Number of Side Doors	4 Units (2 Right + 2 Left)
Side Door Dimensions	610 mm. x 1040 mm.
Rear Door	No
Body Type	Monoblock
Hinge Type	Chrome Nickel
Lock Type	Brass
Wall Thickness	100mm.
Isolation Type	Polyurethane
Insulation Value	40-42 kg/m ³
Doors Freezing Safety	Yes
Heat Indicator	-40°C Thermometer
Drainage	Tubular Drainage System
Indoor Lighting Type	Led (IP68)
Doors Rain Gutter	Aluminum rain gutter over door
Side Safety Bars (Bicycle Iron)	Stepped type side protector on both sides
Eutectic Plate Brand	FROSTCAR
Number of Eutectic Plates	3 pcs. (FP137)
Compressor Brand	DORIN
Compressor Power	2.5 HP (H505CS)
Cooling Group Auxiliary Equipment	DANFOSS
Back Gauge Wedge	Standard
Seperation	Aluminum Separation
Body Color	Ral 9003



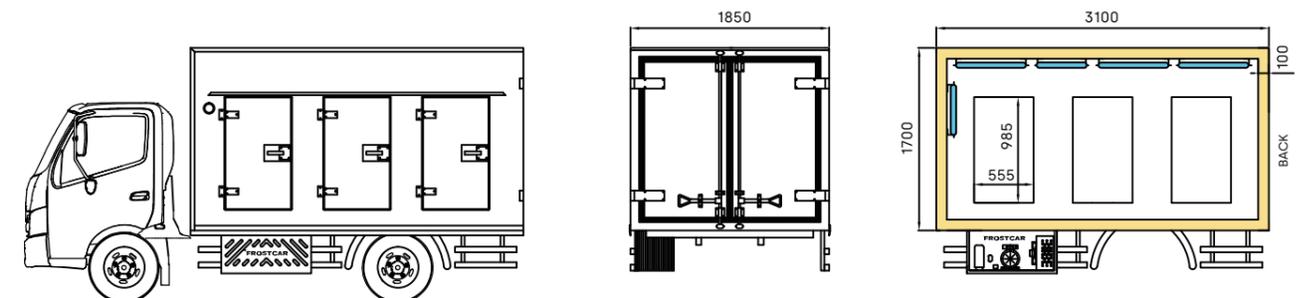


F310 Specifications

Outer Dimensions (mm)	L: 3100 x W: 1850 x H: 1700
Inner Gross Volume	6 m ³
Separation	Aluminum Separation
Refrigeration	3 HP Cooling Unit 5 pcs. Eutectic Plates

Technical Features

Part	Feature
Number of Side Doors	6 Units (3 Right + 3 Left)
Side Door Dimensions	610 mm. x 1040 mm.
Rear Door	Yes
Body Type	Monoblock
Hinge Type	Chrome Nickel
Lock Type	Brass
Wall Thickness	100mm.
Isolation Type	Polyurethane
Insulation Value	40-42 kg/m ³
Doors Freezing Safety	Yes
Heat Indicator	-40°C Thermometer
Drainage	Tubular Drainage System
Indoor Lighting Type	Led (IP68)
Doors Rain Gutter	Aluminum rain gutter over door
Side Safety Bars (Bicycle Iron)	Stepped type side protector on both sides
Eutectic Plate Brand	FROSTCAR
Number of Eutectic Plates	5 pcs. (3 pcs. FP147 + 2 pcs. FP145)
Compressor Brand	DORIN
Compressor Power	3 HP (H300CS)
Cooling Group Auxiliary Equipment	DANFOSS
Back Gauge Wedge	Standard
Seperation	6 Trolleys
Body Color	Ral 9003





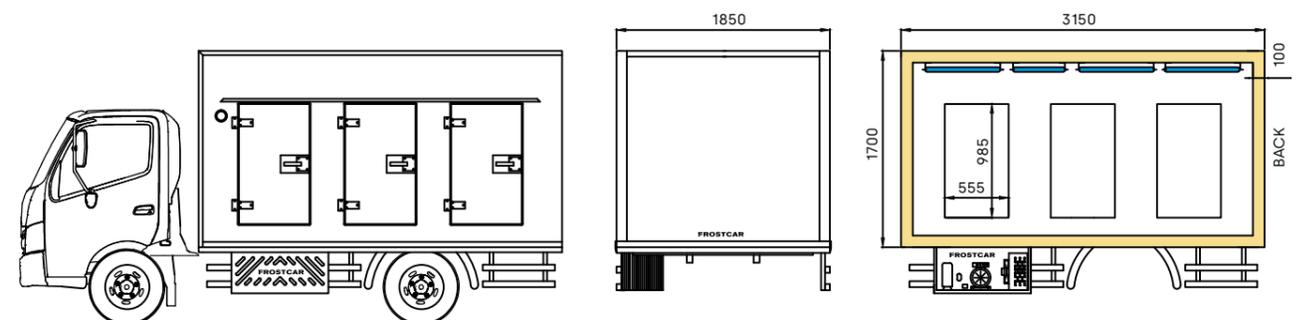
F315 Specifications

Outer Dimensions (mm)	L: 3150 x W: 1850 x H: 1700
Inner Gross Volume	6.5 m ³
Separation	Aluminum Separation
Refrigeration	3 HP Cooling Unit 4 pcs. Eutectic Plates

Technical Features



Part	Feature
Number of Side Doors	6 Units (3 Right + 3 Left)
Side Door Dimensions	610 mm. x 1040 mm.
Rear Door	No
Body Type	Monoblock
Hinge Type	Chrome Nickel
Lock Type	Brass
Wall Thickness	100mm.
Isolation Type	Polyurethane
Insulation Value	40-42 kg/m ³
Doors Freezing Safety	Yes
Heat Indicator	-40°C Thermometer
Drainage	Tubular Drainage System
Indoor Lighting Type	Led (IP68)
Doors Rain Gutter	Aluminum rain gutter over door
Side Safety Bars (Bicycle Iron)	Stepped type side protector on both sides
Eutectic Plate Brand	FROSTCAR
Number of Eutectic Plates	4 pcs. (3 pcs. FP147 / 1 pcs. FP145)
Compressor Brand	DORIN
Compressor Power	3 HP (H300CS)
Cooling Group Auxiliary Equipment	DANFOSS
Back Gauge Wedge	Standard
Seperation	Aluminum Separation
Body Color	Ral 9003



FC 360



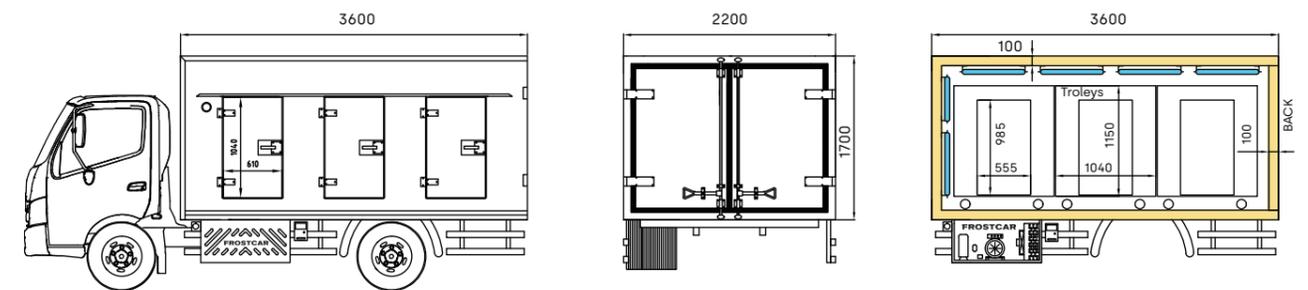
F360 Specifications

Outer Dimensions (mm)	L: 3600 x W: 2200 x H: 1700
Inner Gross Volume	9 m ³
Separation	Aluminum Separation
Refrigeration	4 HP Cooling Unit 6 pcs. Eutectic Plates

Technical Features



Part	Feature
Number of Side Doors	6 Units (3 Right + 3 Left)
Side Door Dimensions	610 mm. x 1040 mm.
Rear Door	Yes
Body Type	Monoblock
Hinge Type	Chrome Nickel
Lock Type	Brass
Wall Thickness	100mm.
Isolation Type	Polyurethane
Insulation Value	40-42 kg/m ³
Doors Freezing Safety	Yes
Heat Indicator	-40°C Thermometer
Drainage	Tubular Drainage System
Indoor Lighting Type	Led (IP68)
Doors Rain Gutter	Aluminum rain gutter over door
Side Safety Bars (Bicycle Iron)	Stepped type side protector on both sides
Eutectic Plate Brand	FROSTCAR
Number of Eutectic Plates	5 pcs. (4 pcs. FP177 / 1 pcs. FP175)
Compressor Brand	DORIN
Compressor Power	4 HP (H392CS)
Cooling Group Auxiliary Equipment	DANFOSS
Back Gauge Wedge	Standard
Seperation	6 Trolleys
Body Color	Ral 9003



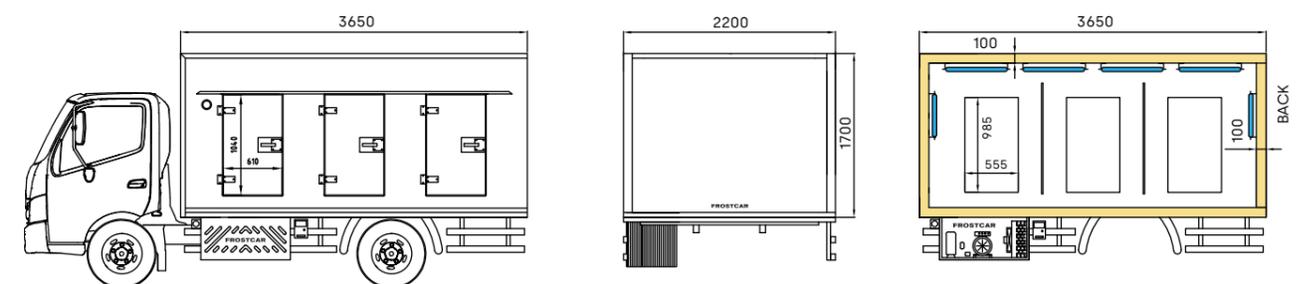
Technical Features



Part	Feature
Number of Side Doors	6 Units (3 Right + 3 Left)
Side Door Dimensions	610 mm. x 1040 mm.
Rear Door	No
Body Type	Monoblock
Hinge Type	Chrome Nickel
Lock Type	Brass
Wall Thickness	100mm.
Isolation Type	Polyurethane
Insulation Value	40-42 kg/m ³
Doors Freezing Safety	Yes
Heat Indicator	-40°C Thermometer
Drainage	Tubular Drainage System
Indoor Lighting Type	Led (IP68)
Doors Rain Gutter	Aluminum rain gutter over door
Side Safety Bars (Bicycle Iron)	Stepped type side protector on both sides
Eutectic Plate Brand	FROSTCAR
Number of Eutectic Plates	6 pcs. (4 pcs. FP177 / 2 pcs. FP175)
Compressor Brand	DORIN
Compressor Power	4 HP (H392CS)
Cooling Group Auxiliary Equipment	DANFOSS
Back Gauge Wedge	Standard
Seperation	Aluminum Seperation
Body Color	Ral 9003

F365 Specifications

Outer Dimensions (mm)	L: 3650 x W: 2200 x H: 1700
Inner Gross Volume	9.5 m ³
Seperation	Aluminum Seperation
Refrigeration	4 HP Cooling Unit 6 pcs. Eutectic Plates



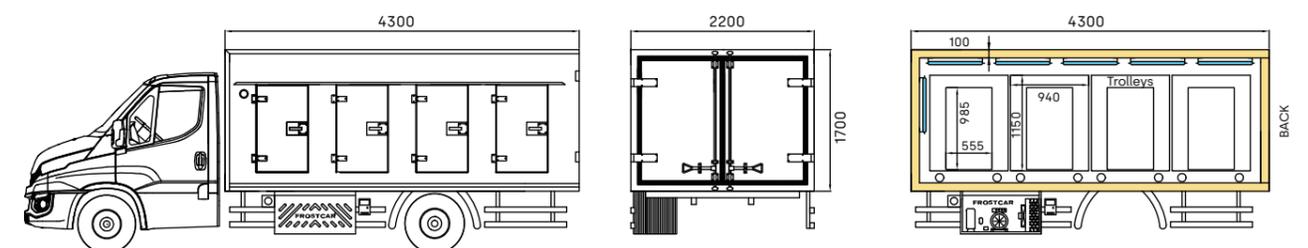
Technical Features



F430 Specifications

Outer Dimensions (mm)	L: 4300 x W: 2200 x H: 1700
Inner Gross Volume	10.5 m ³
Separation	8 Trolleys
Refrigeration	5 HP Cooling Unit 6 pcs. Eutectic Plates

Part	Feature
Number of Side Doors	8 Units (4 Right + 4 Left)
Side Door Dimensions	610 mm. x 1040 mm.
Rear Door	Yes
Body Type	Monoblock
Hinge Type	Chrome Nickel
Lock Type	Brass
Wall Thickness	100mm.
Isolation Type	Polyurethane
Insulation Value	40-42 kg/m ³
Doors Freezing Safety	Yes
Heat Indicator	-40°C Thermometer
Drainage	Tubular Drainage System
Indoor Lighting Type	Led (IP68)
Doors Rain Gutter	Aluminum rain gutter over door
Side Safety Bars (Bicycle Iron)	Stepped type side protector on both sides
Eutectic Plate Brand	FROSTCAR
Number of Eutectic Plates	6 pcs. (FP177)
Compressor Brand	DORIN
Compressor Power	5HP (H505CS)
Cooling Group Auxiliary Equipment	DANFOSS
Back Gauge Wedge	Standard
Seperation	8 Trolleys
Body Color	Ral 9003

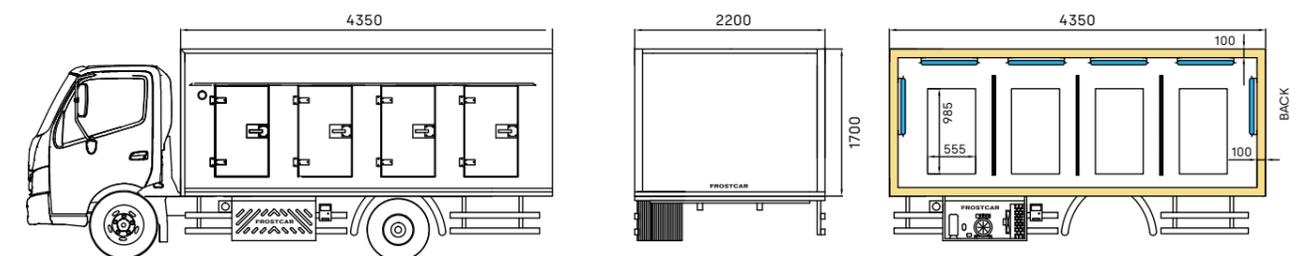




F435 Specifications

Outer Dimensions (mm)	L: 4350 x W: 2200 x H: 1700
Inner Gross Volume	11 m ³
Separation	Aluminum Separation
Refrigeration	5 HP Cooling Unit 6 pcs. Eutectic Plates

Part	Feature
Number of Side Doors	8 Units (4 Right + 4 Left)
Side Door Dimensions	610 mm. x 1040 mm.
Rear Door	No
Body Type	Monoblock
Hinge Type	Chrome Nickel
Lock Type	Brass
Wall Thickness	100mm.
Isolation Type	Polyurethane
Insulation Value	40-42 kg/m ³
Doors Freezing Safety	Yes
Heat Indicator	-40°C Thermometer
Drainage	Tubular Drainage System
Indoor Lighting Type	Led (IP68)
Doors Rain Gutter	Aluminum rain gutter over door
Side Safety Bars (Bicycle Iron)	Stepped type side protector on both sides
Eutectic Plate Brand	FROSTCAR
Number of Eutectic Plates	6 pcs. (FP177)
Compressor Brand	DORIN
Compressor Power	5 HP (H505CS)
Cooling Group Auxiliary Equipment	DANFOSS
Back Gauge Wedge	Standard
Seperation	Aluminum Seperation
Body Color	Ral 9003



FC 525



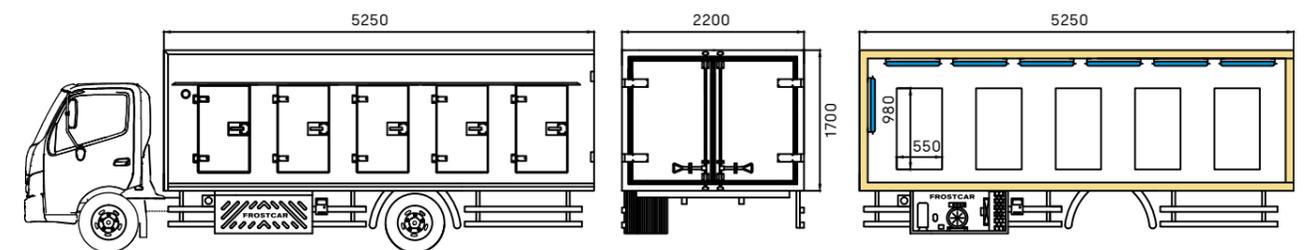
F525 Specifications

Outer Dimensions (mm)	L: 5250 x W: 2200 x H: 1700
Inner Gross Volume	12.7 m ³
Separation	10 Trolleys
Refrigeration	5 HP Cooling Unit 7 pcs. Eutectic Plates

Technical Features



Part	Feature
Number of Side Doors	10 Units (5 Right + 5 Left)
Side Door Dimensions	700 mm. x 1100 mm.
Rear Door	Yes
Body Type	Monoblock
Hinge Type	Chrome Nickel
Lock Type	Brass
Wall Thickness	100mm.
Isolation Type	Polyurethane
Insulation Value	40-42 kg/m ³
Doors Freezing Safety	Yes
Heat Indicator	-40°C Thermometer
Drainage	Tubular Drainage System
Indoor Lighting Type	Led (IP68)
Doors Rain Gutter	Aluminum rain gutter over door
Side Safety Bars (Bicycle Iron)	Stepped type side protector on both sides
Eutectic Plate Brand	FROSTCAR
Number of Eutectic Plates	7 pcs. (FP177)
Compressor Brand	DORIN
Compressor Power	5 HP (H505CS)
Cooling Group Auxiliary Equipment	DANFOSS
Back Gauge Wedge	Standard
Seperation	10 Trolleys
Body Color	Ral 9003



FC 525P



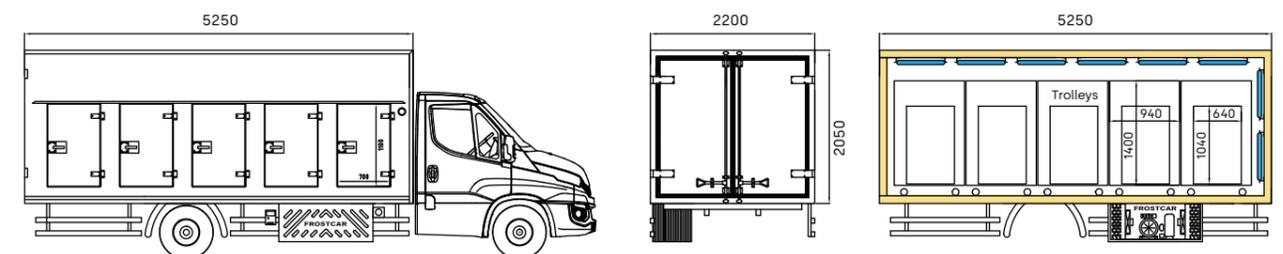
F525P Specifications

Outer Dimensions (mm)	L:5250 x W: 2200 x H: 2050
Inner Gross Volume	16 m ³
Separation	10 Trolleys
Refrigeration	75 HP Cooling Unit (Double Condenser & Fan) 8 pcs. Eutectic Plates

Technical Features



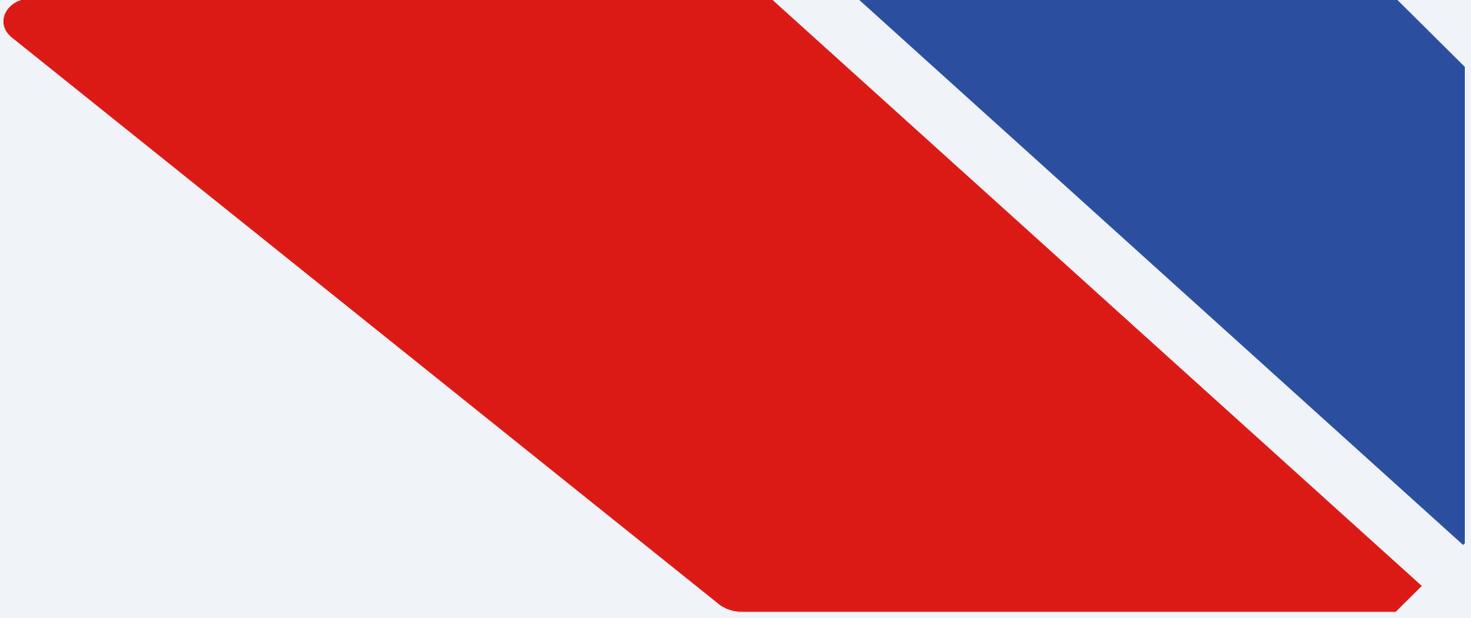
Part	Feature
Number of Side Doors	10 Units (5 Right + 5 Left)
Side Door Dimensions	700 mm. x 1100 mm.
Rear Door	Yes
Body Type	Monoblock
Hinge Type	Chrome Nickel
Lock Type	Brass
Wall Thickness	100mm.
Isolation Type	Polyurethane
Insulation Value	40-42 kg/m ³
Doors Freezing Safety	Yes
Heat Indicator	-40°C Thermometer
Drainage	Tubular Drainage System
Indoor Lighting Type	Led (IP68)
Doors Rain Gutter	Aluminum rain gutter over door
Side Safety Bars (Bicycle Iron)	Stepped type side protector on both sides
Eutectic Plate Brand	FROSTCAR
Number of Eutectic Plates	8 pcs. (FP177)
Compressor Brand	DORIN
Compressor Power	75 HP (H751CS) Double Condenser & Fan
Cooling Group Auxiliary Equipment	DANFOSS
Back Gauge Wedge	Standard
Seperation	10 Trolleys
Body Color	Ral 9003





Frostcar is specialized in the field of eutectic truck body production that will show outstanding performance in different geographical regions at world standards. It constantly continues its research activities and makes investments for perfect truck bodies and 100% customer satisfaction.

With its expert team, by closely following local and international quality norms and technological developments at all stages of production, R&D studies in many areas such as engineering studies, quality control tests, durability and efficiency tests, manufacturer and customer operating cost tests, by using advanced technology facilities it does it continuously.



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