



Transport Refrigeration

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Daikin

Air is essential to our existence, and our role in protecting it continues to expand.

"Aiming for sustainable growth and a sustainable society through technological strength and outstanding human resources"
- Masanori Togawa, President and CEO, Daikin Industries, Ltd.

Since 1924, we have devoted ourselves with unbridled passion to overcome the ever-evolving challenges of air to become the leading manufacturer of heating, ventilation, air conditioning and refrigeration equipment. Leveraging our innovative technology, we deliver outstanding products and system solutions to provide comfortable and sustainable environments for all people and goods in all regions of the world. This is, and always will be, the Daikin mission.

Innovation means continuous improvement

We believe that there is always room for improvement, and this mindset is the driving force behind everything that we do at Daikin. From small advances in the production process, to major design breakthroughs that result in substantial energy savings, we aim to inspire technological change. With our regional development centres and global network of manufacturing and logistics facilities, we are serving the full breadth of HVACR needs of the world.

Our Promise

For forward thinking consumers and businesses, Daikin is the all-inclusive partner, ensuring your peace of mind. For our professional customers, our brand promise is **Reliability – Sustainability – Efficiency.**

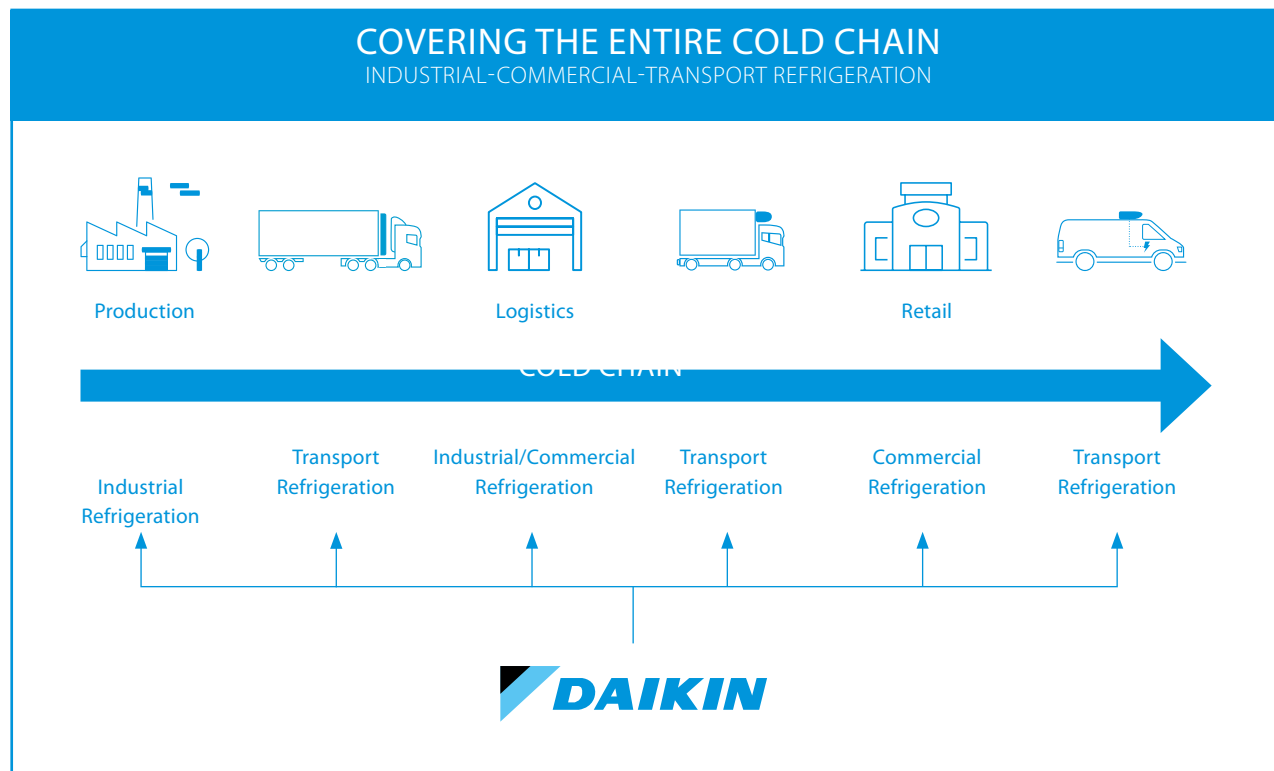


Cold Chain Expertise

From production to delivery

Reshaping the future of cold chain supply

Combining refrigeration expertise with innovative technology, Daikin's comprehensive product portfolio delivers integrated temperature control solutions that improve quality and safety through every link in the distribution process from point of origin to the final consumer. Our range of products and services provide the flexibility to meet diverse customer needs across a range of applications, during production, storage, retail and transit. Energy-efficient technologies with low-GWP refrigerants provide reliable and cost-effective operation, safeguarding perishable supplies, whatever the climate, while protecting the environment. We will leverage our strengths **to cover the entire cold chain.**



Vision 2050

Daikin Environmental Policy

Adopted in 2015, the Paris Agreement contains a target for the latter half of this century of reducing greenhouse gas emissions to net zero and limiting global warming by less than 35.6°F compared to pre-industrial levels. In the spirit of the Paris Agreement, Daikin has formulated Environmental Vision 2050, with a target of reducing greenhouse gas emissions to net zero by 2050. We have established a reduction target for 2030 and incorporated this into our efforts under the Fusion 25 Strategic Management Plan.

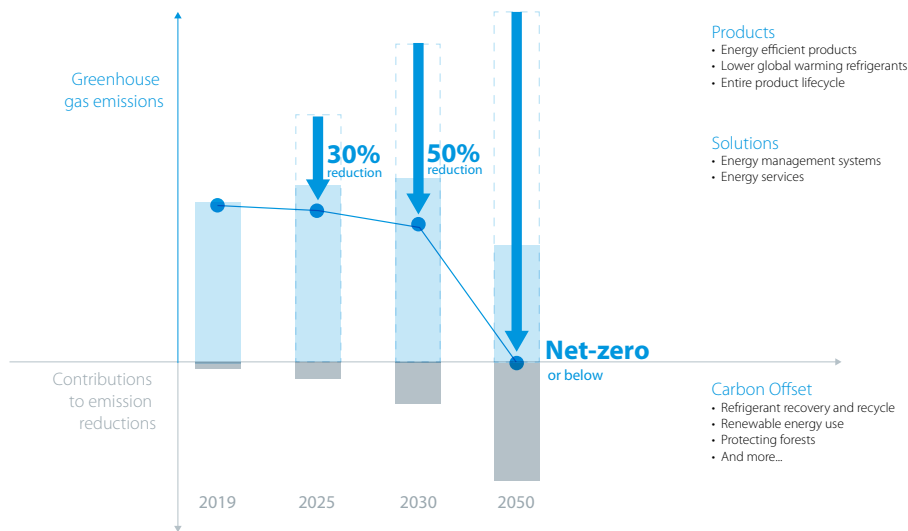
Our Vision 2050

We will effectively eliminate the greenhouse gas emissions generated throughout the entire lifecycle of our products by 2050. Furthermore, we are committed to creating solutions that link society and customers as we work with stakeholders to reduce greenhouse gas emissions to net-zero. Using IoT and open innovation, we will meet the world's needs for air solutions by providing safe and healthy air environments while at the same time contributing to solving global environmental problems.

Refrigeration Medium-Term Outlook

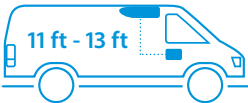
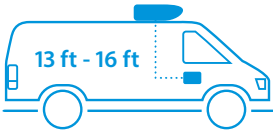
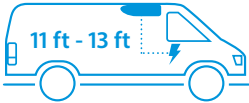
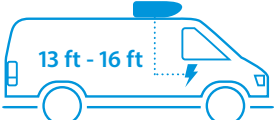








In our Cold Chain business, we are moving towards low-GWP and HFC-free natural refrigerants, while ensuring the correct safety standards are established in our markets. We maintain continuous focus on reducing the energy consumption of all our products. In the Transport Refrigeration industry, we will strive to lead the shift towards electrification and phasing-down of the reliance on combustion engine technologies.









Net-zero product lifecycle



Product Portfolio

Our transport refrigeration unit range offers reliable and efficient solutions for a wide range of applications and vehicle types. Each unit is designed to minimize your total cost of ownership, configured to your exact needs, manufactured to Daikin's rigorous quality standards, and supported with a service network available 24/7.

VAN			
Direct-Drive		Electric	
Invisible Direct-Drive	Zero Direct-Drive	Invisible Electric	Zero Electric
			
			
SFZ007 SFZ008 SFZ009	Z200 Z250 Z350 Z380	SFZ009e	Z120b Z200e Z250e Z350e
			
SFZ009 Multi	Z380 Multi	SFZ009e Multi	Z350e Multi

LIGHT TRUCK	TRUCK	EUTECTIC INSERTS
SFZ	Uno	
		
		
SFZ238 SFZ248	U600 U800 U1000	Inpac Small Inpac Medium Inpac Large (Colour)
		
SFZ238 Multi SFZ248 Multi	U800 Multi U1000 Multi	



Van

Direct-Drive





Invisible Direct-Drive

SFZ007 | SFZ008 | SFZ009 | SFZ009 Multi

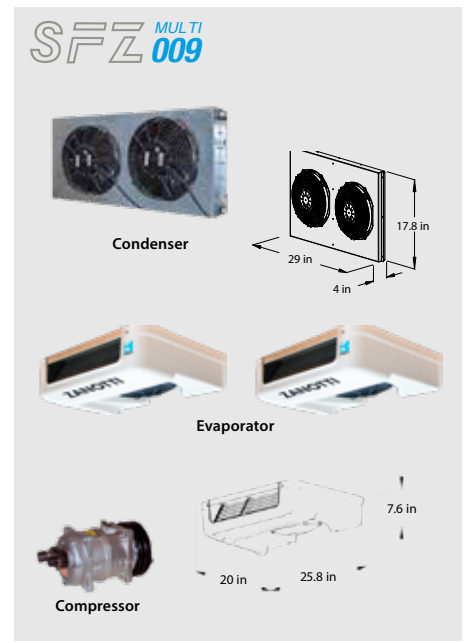
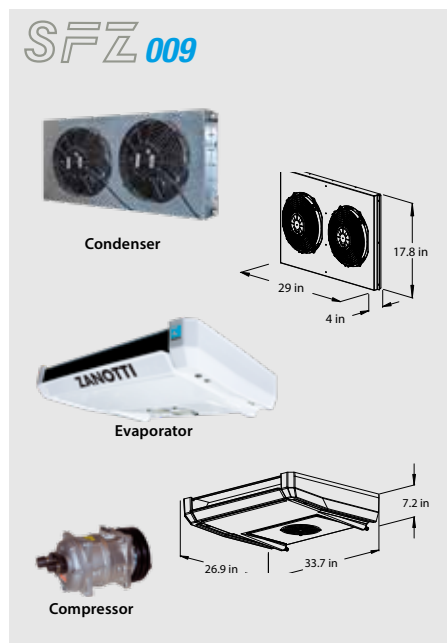
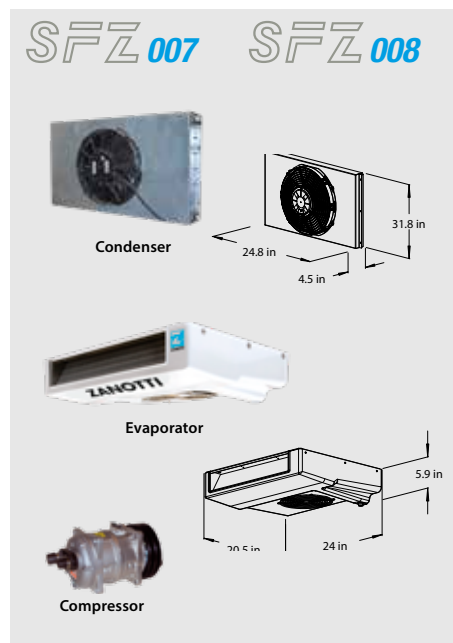
Our Invisible range is designed for discreet and efficient transportation of refrigerated products in vans. These units are installed underneath the vehicle chassis, completely invisible from the outside, preserving the aesthetics, original height and aerodynamics of the vehicle, while reducing bodywork. SFZ007, SFZ008 and SFZ009 offer varying refrigeration capacities and volume ratings tuned for different applications. SFZ009 Multi features dual evaporators to enable products with different temperature requirements to be transported in two separate zones.

The Invisible range, with its ultra-thin dimensions make it the ideal choice for customers who need a space-saving solution. A driver-friendly interface in the cabin allows real-time monitoring and control of the unit performance to ensure the cargo is maintained at precisely the right temperature throughout the trip.

Key Features:

- ✓ Multiple temperature zones in the same vehicle (Multi model only)
- ✓ Powered by direct-drive on road, electric grid on stand-by
- ✓ Vehicle access to tight underground areas
- ✓ Under-chassis mounting preserves vehicle aesthetics and aerodynamics
- ✓ Invisible from the outside
- ✓ Low noise
- ✓ User-friendly cabin driver interface
- ✓ Telematics-compatible
- ✓ 2-year standard warranty





		SFZ007		SFZ008		SFZ009		SFZ009 Multi					
General													
Refrigerant	[-]	R134a		R452A									
System net cooling capacity under ATP conditions (100°F ambient temperature)													
	[°F]	35°F	0°F	-20°F	35°F	0°F	-20°F	35°F	0°F	-20°F	35°F	0°F	-20°F
Road mode	[BTU/h]	5800	N/A	N/A	7000	3900	2500	10200	6500	4300	9600	5100	N/A
Stand-by mode	[BTU/h]	3600	N/A	N/A	5100	2900	1900	6500	4000	2600	5700	3500	2300
Heating capacity													
Road mode	[BTU/h]	N/A		6449		9520		9008					
Stand-by mode	[BTU/h]	N/A		4709		5562		5391					
Airflow rate													
Airflow rate at 100kPa static pressure	[CFM]	365		536		494		2x 365					
Weight													
Condenser without electric stand-by	[lb]	55		84		99		99					
Condenser with electric stand-by	[lb]	110		143		165		165					
Evaporator	[lb]	22		31		45		2x 22.5					
Road compressor													
Displacement	[in ³]	9		9		10		10					

These products contain fluorinated greenhouse gases (R134a GWP=1430 / R452A GWP=2140.5).

Stand-by voltages available: 208-230/1/60hz and 230/3/60hz

Vehicle voltages available: 12VDC or 24VDC



Zero Direct-Drive

Z200 | Z250 | Z350 | Z380

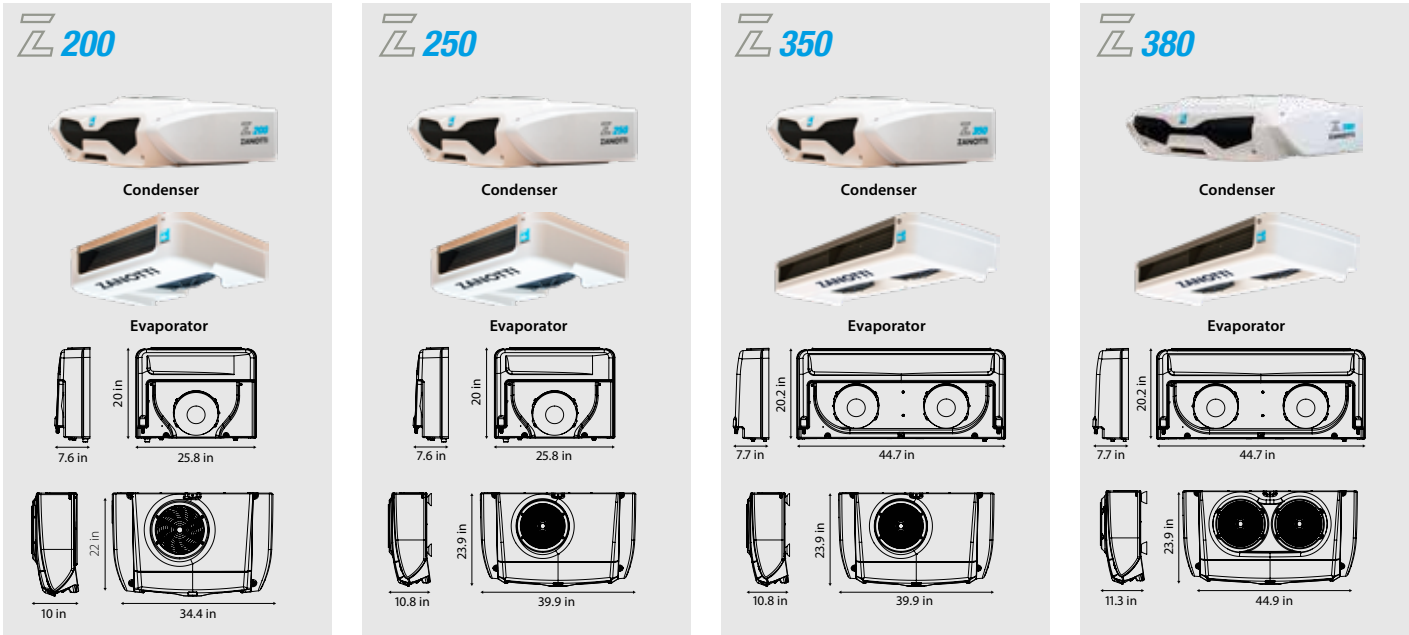
The Zero range meets the needs of the distribution industry by offering the utmost flexibility in the temperature management of refrigerated products. The extensive direct-drive Zero line-up including Z200, Z250, Z350, and Z380 is designed to meet a wide range of applications in light commercial vehicles.

All Zero models provide easy installation and serviceability. The condensing unit can be mounted on the roof or the front wall of the box, and the ultra-thin evaporator installed in the cargo compartment maximizes cargo volume. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip. Our Zero units are setting new standards with their attractive design.

Key Features:

- ✓ Proven reliability and performance
- ✓ Powered by direct-drive on road, electric grid on stand-by
- ✓ Easy to install and service with removable side panels
- ✓ Configurable for a wide range of refrigerated applications in light commercial vehicles
- ✓ Low noise
- ✓ User-friendly cabin driver interface
- ✓ Reduced refrigerant charge and maintenance costs
- ✓ Telematics-compatible
- ✓ 2-year standard warranty





		Z250	Z380	Z200	Z250	Z350	Z380												
General																			
Refrigerant	[-]	R134a			R452A														
System net cooling capacity under ATP conditions (100°F ambient temperature)																			
	[°F]	35°F	0°F	-20°F	35°F	0°F	-20°F	35°F	0°F	-20°F	35°F	0°F	-20°F	35°F	0°F	-20°F			
Road mode	[BTU/h]	6900	N/A	N/A	9400	N/A	N/A	7200	4200	2700	8600	5300	3400	10800	6600	4300	12300	7200	4700
Stand-by mode	[BTU/h]	3600	N/A	N/A	6100	N/A	N/A	4800	2500	1600	6800	2900	1900	7200	3200	2100	7900	3500	2300
Heating capacity																			
Road mode	[BTU/h]	6585		8940		7165		8530		10058		11260							
Stand-by mode	[BTU/h]	3480		5835		4436		6483		6824		7507							
Airflow rate																			
Airflow rate at 100kPa static pressure	[CFM]	383		765		366		383		765		765							
Weight																			
Condenser without electric stand-by	[lb]	75		88		66		79		79		93							
Condenser with electric stand-by	[lb]	154		172		123		159		159		176							
Evaporator	[lb]	20		40		22.5		23		43		43							
Road compressor																			
Displacement	[in³]	9		10		8		8		9		9							

These products contain fluorinated greenhouse gases (R134a GWP=1430 / R452A GWP=2140.5).
Stand-by voltages available: 110/1/60hz
Vehicle voltages available: 12VDC

Zero Direct-Drive Multi-Temp

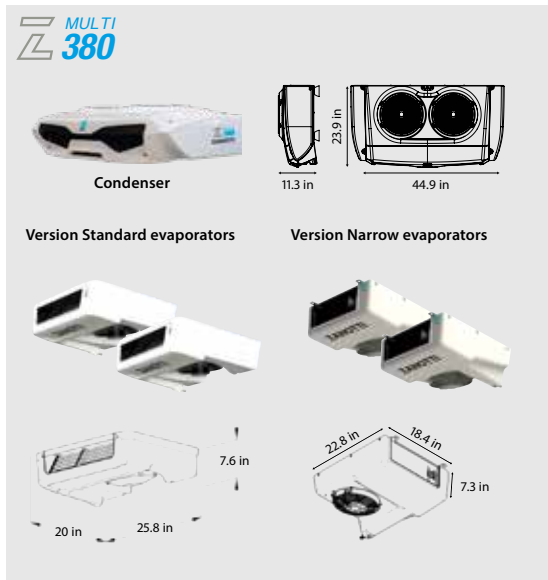
Z380 Multi

Z380 Multi and Z380 Multi (Narrow Evap) models are designed to meet the modern needs of low environmental impact refrigeration for light commercial vehicles. These units feature additional evaporators to enable transport of products with different temperature requirements in separate zones, available in multiple configurations to adapt to a wide range of applications.

All Zero models provide easy installation and serviceability. The condensing unit can be mounted on the roof or the front wall of the box, and the ultra-thin evaporator installed in the cargo compartment maximizes cargo volume. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip. Our Zero units are setting new standards with their attractive design.

Key Features:

- Multiple temperature zones in the same vehicle
- Proven reliability and performance
- Powered by direct-drive on road, electric grid on stand-by
- Easy to install and service with removable side panels
- Configurable for a wide range of refrigerated applications in light commercial vehicles
- Low noise
- User-friendly cabin driver interface
- Reduced refrigerant charge and maintenance costs
- Telematics-compatible
- 2-year standard warranty



	Z380 Multi			
General				
Refrigerant	[-]	R452A		
System net cooling capacity under ATP conditions (100°F ambient temperature)				
	[°F]	35°F	0°F	-20°F
Road mode	[BTU/h]	14300	7500	5500
Stand-by mode	[BTU/h]	11500	5800	3800
Heating capacity				
Road mode	[BTU/h]	10270		
Stand-by mode	[BTU/h]	6039		
Airflow rate				
Airflow rate at 100kPa static pressure	[CFM]	2x365		
Weight				
Condenser without electric stand-by	[lb]	93		
Condenser with electric stand-by	[lb]	176		
Evaporator	[lb]	2x 22.5		
Road compressor				
Displacement	[in³]	9		

These products contain fluorinated greenhouse gases (R452A GWP=2140,5).
Stand-by voltages available: 110/1/60hz
Vehicle voltages available: 12VDC

Van Electric





Invisible Electric

SFZ009e | SFZ009e Multi

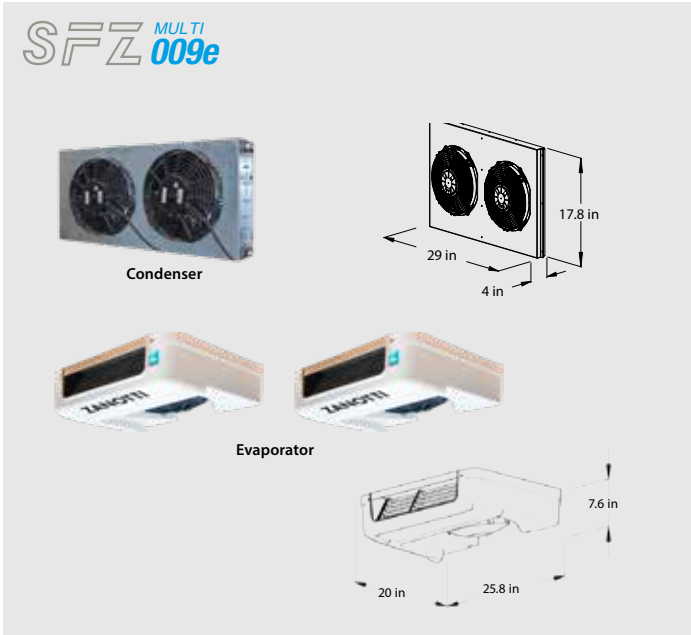
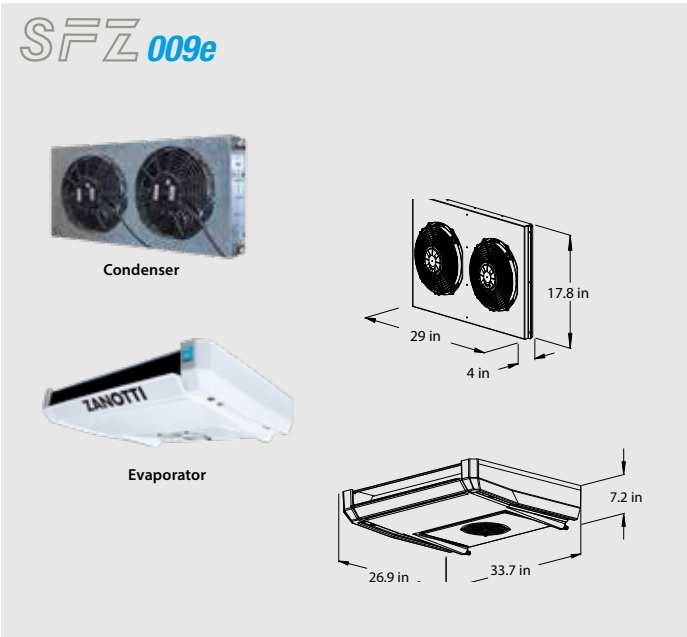
The Invisible Electric range is designed for discreet and efficient transportation of refrigerated products in vans on electric power, both on road and during stand-by. A highly reliable battery-inverter package supplies the power, making the Invisible Electric an ideal choice for full-electric, hybrid, or conventional vehicles.

These units are installed underneath the vehicle chassis, completely invisible from the outside, preserving the aesthetics, original height and aerodynamics of the vehicle, while reducing bodywork. SFZ009e offers varying refrigeration capacities and volume ratings tuned for different applications. SFZ009e Multi features dual evaporators to enable products with different temperature requirements to be transported in two separate zones.

The Invisible range, with its ultra-thin dimensions make it the ideal choice for customers who need a space-saving solution. A driver-friendly interface in the cabin allows real-time monitoring and control of the unit performance to ensure the cargo is maintained at precisely the right temperature throughout the trip.

Key Features:

- ✓ Zero emissions
- ✓ Powered by reliable battery-inverter pack on road, chargeable on electric grid
- ✓ Compatible with full-electric, hybrid or conventional vehicles
- ✓ Multiple temperature zones in the same vehicle (Multi model only)
- ✓ Vehicle access to tight underground areas
- ✓ Under-chassis mounting preserves vehicle aesthetics and aerodynamics
- ✓ Invisible from the outside
- ✓ Low noise
- ✓ User-friendly cabin driver interface
- ✓ Telematics-compatible
- ✓ 2-year standard warranty



		SFZ009e			SFZ009e Multi		
General							
Refrigerant	[-]	R452A					
System net cooling capacity under ATP conditions (100°F ambient temperature)							
	[°F]	35°F	0°F	-20°F	35°F	0°F	-20°F
Battery mode	[BTU/h]	6100	3800	2400	5700	3500	2300
Heating capacity							
Battery mode	[BTU/h]	5630			5391		
Airflow rate							
Airflow rate at 100kPa static pressure	[CFM]	494			2x 365		
Weight							
Condenser with electric stand-by	[lb]	165			165		
Evaporator	[lb]	45			2x 22.5		
Max current							
	[A]	165			170		

These products contain fluorinated greenhouse gases (R452A GWP=2140,5).
Stand-by voltages available: 208-230/1/60hz and 230/3/60hz
Vehicle voltages available: 12VDC or 24VDC

Zero Electric

Z120b

Z120b is powered by the vehicle battery, with minimal environmental impact and maximum cooling effectiveness ideal for refrigerated transport in vans. The unit can be installed quickly without any mechanical couplings with the vehicle engine, which also minimises power draw and thus emissions.

All Zero models provide easy installation and serviceability. The condensing unit can be mounted on the roof or the front wall of the box, and the ultra-thin evaporator installed in the cargo compartment maximizes cargo volume. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.

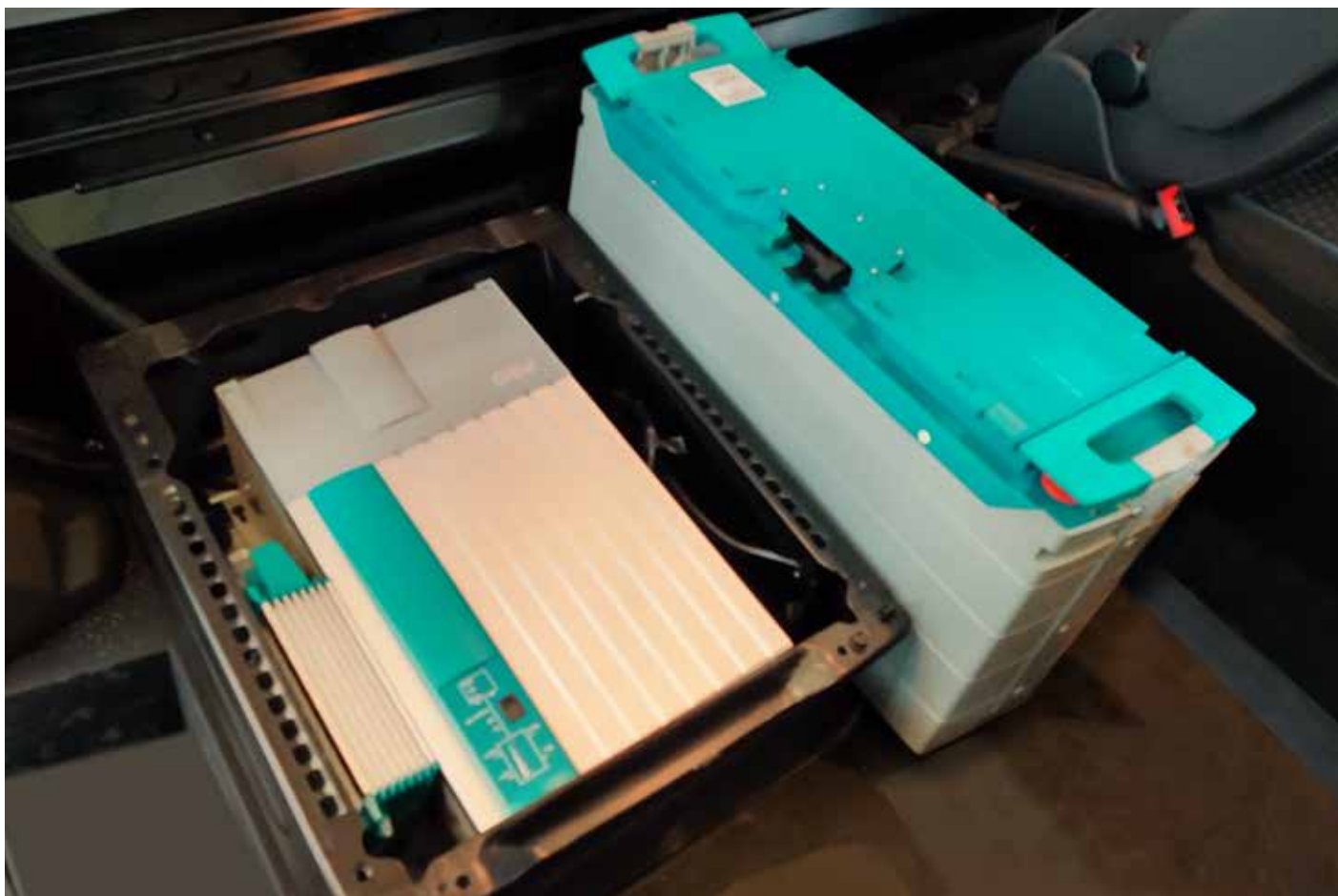
Key Features:

- ✓ Low emissions
- ✓ Proven reliability and performance
- ✓ Powered by vehicle battery on road, electric grid on stand-by
- ✓ Compatible with full-electric, hybrid or conventional vehicles
- ✓ Easy to install and service with removable side panels
- ✓ Low noise
- ✓ User-friendly cabin driver interface
- ✓ Reduced refrigerant charge and maintenance costs
- ✓ Telematics-compatible
- ✓ 2-year standard warranty, extendable up to 5 years



	Z120b			
General				
Refrigerant	[-]	R452A		
System net cooling capacity under ATP conditions (100°F ambient temperature)				
	[°F]	35°F	0°F	-20°F
Battery mode	[BTU/h]	4200	1800	1200
Heating capacity				
Battery mode	[BTU/h]	3753		
Airflow rate				
Airflow rate at 100kPa static pressure	[CFM]	330		
Weight				
Condenser with electric stand-by	[lb]	141		
Evaporator	[lb]	22.5		
Max current				
	[A]	75		

This product contains fluorinated greenhouse gases (R452A GWP=2140,5).
Stand-by voltages available: 110/1/60hz
Vehicle voltages available: 12VDC



Electric Power Supply

Our power supply packages are designed to match our Invisible Electric and Zero Electric ranges, providing a high level of reliability and customization for the specific vehicle and application needs.

The power supply can be configured as one or two DC lithium-ion batteries, each providing 1,25 to 6kW, up to 12kW total; and comes with a robust inverter battery charger.

Key Features:

- ✓ Zero emissions
- ✓ Zero maintenance
- ✓ Automotive-grade design with high reliability
- ✓ Long life with 3500 cycles
- ✓ Fast charging
- ✓ 230VAC power for charging and stand-by operation
- ✓ Bluetooth connection with smartphone app
- ✓ Compatible with telematics, for remote battery monitoring
- ✓ Optional connection to vehicle DC battery for supplementary power supply
- ✓ Optional auxiliary input for external power supply



Battery Charger
Z120b only



Inverter Battery Charger
SFZ009e / Z200e / Z250e /
Z350e / Z350e Multi



Zero Electric

Z200e | Z250e | Z350e | Z350e Multi

The Zero range meets the needs of the distribution industry by offering the utmost flexibility in the temperature management of refrigerated products. Zero Electric is designed to meet a wide range of applications in light commercial vehicles on electric power, both on road and during stand-by. A highly reliable battery-inverter package supplies the power, making Zero Electric an ideal choice for full-electric, hybrid, or conventional vehicles.

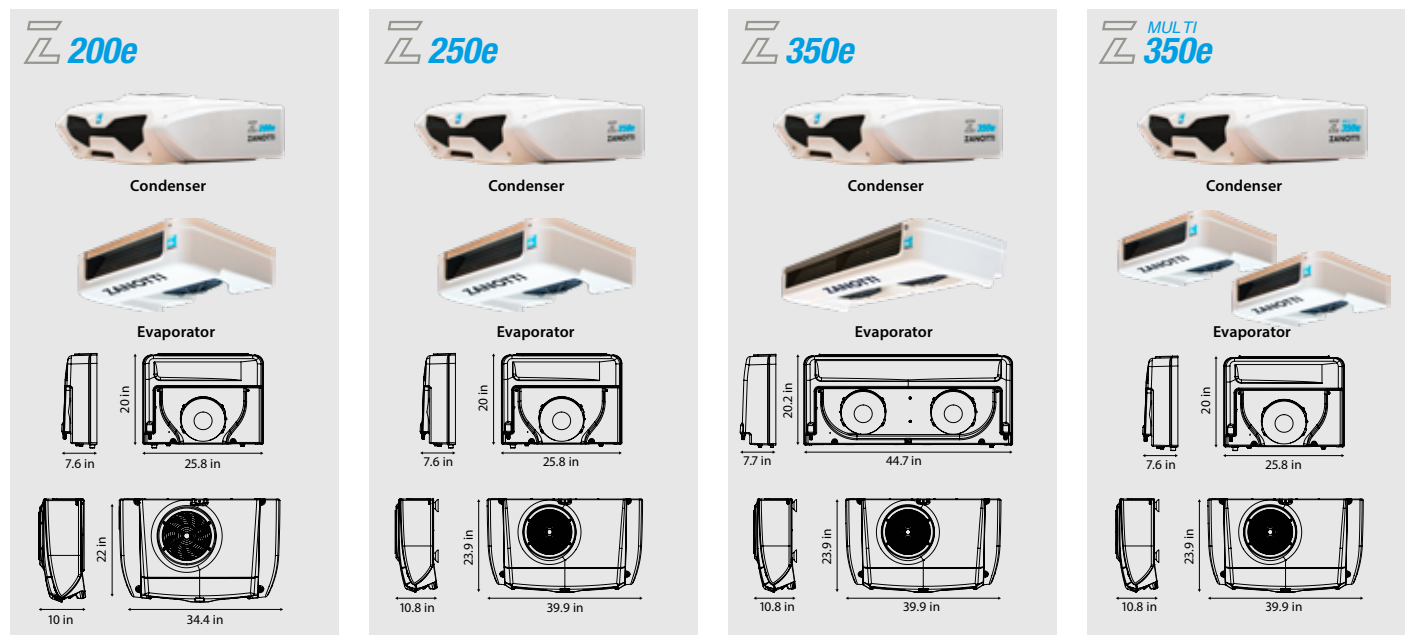
Z200e, Z250e and Z350e offer varying refrigeration capacities and volume ratings tuned for different applications. Z350e Multi features additional evaporators to enable transport of products with different temperature requirements in separate zones.

All Zero models provide easy installation and serviceability. The condensing unit can be installed as top-mount on the roof of the box or nose-mount on the front wall of the box, and the ultra-thin evaporator installed in the cargo compartment maximizes cargo volume. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip. Our Zero units are setting new standards with their attractive design.

Key Features:

- ✓ Zero emissions
- ✓ Powered by reliable battery-inverter pack on road, chargeable on electric grid
- ✓ Compatible with full-electric, hybrid or conventional vehicles
- ✓ Multiple temperature zones in the same vehicle (Multi model only)
- ✓ Proven reliability and performance
- ✓ Easy to install and service with removable side panels
- ✓ Low noise
- ✓ Configurable for a wide range of refrigerated applications in light commercial vehicles
- ✓ User-friendly cabin driver interface
- ✓ Reduced refrigerant charge and maintenance costs
- ✓ Telematics-compatible
- ✓ 2-year standard warranty





		Z200e		Z250e		Z350e		Z350e Multi					
General													
Refrigerant	[-]	R452A											
System net cooling capacity under ATP conditions (100°F ambient temperature)													
	[°F]	35°F	0°F	-20°F	35°F	0°F	-20°F	35°F	0°F	-20°F	35°F	0°F	-20°F
Battery mode	[BTU/h]	4500	2500	1600	5500	2900	1900	6100	4100	2700	6000	3900	2600
Heating capacity													
Battery mode	[BTU/h]	4095			5118			5630			5460		
Airflow rate													
Airflow rate at 100kPa static pressure	[CFM]	365			383			765			2x 365		
Weight													
Condenser with electric stand-by	[lb]	119			154			154			154		
Evaporator	[lb]	22.5			23			43			2X 22.5		
Max current													
	[A]	100			159			166			171		

These products contain fluorinated greenhouse gases (R452A GWP=2140,5).

Stand-by voltages available: 110/1/60hz

Vehicle voltages available: 12VDC or 24VDC



Light Truck





SFZ

SFZ238 | SFZ248

SFZ is a robust direct-drive solution for refrigerated transport on light to medium trucks. It is a proven design optimized for energy-efficiency, low noise, and easy-to-service transport of temperature-controlled goods in medium sized boxes.

SFZ238 and SFZ248 are designed as nose-mount, installed on the front wall of the box, with multiple configurations of evaporators and fans to meet the requirements of a wide range of vehicle types and applications. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.

Key Features:

- ✓ Proven reliability and performance
- ✓ Powered by direct-drive on road, electric grid on stand-by
- ✓ Easy to install and service, light weight
- ✓ Low noise
- ✓ Configurable for a wide range of refrigerated applications in light to medium trucks
- ✓ User-friendly cabin driver interface
- ✓ Telematics-compatible
- ✓ 2-year standard warranty





		SFZ238			SFZ248		
General							
Refrigerant		[-]		R452A			
System net cooling capacity under ATP conditions (100°F ambient temperature)							
	[°F]	35°F	0°F	-20°F	35°F	0°F	-20°F
Road mode	[BTU/h]	15200	8800	5700	16800	9600	6300
Stand-by mode	[BTU/h]	12400	7200	4700	14200	7200	4700
Heating capacity							
Road mode	[BTU/h]	13614			15491		
Stand-by mode	[BTU/h]	11294			9554		
Airflow rate							
Airflow rate at 100kPa static pressure		[CFM]		983		1966	
Weight							
Condenser without electric stand-by		[lb]		154		170	
Condenser with electric stand-by		[lb]		282		315	
Evaporator		[lb]		58.5		94	
Road compressor							
Displacement		[in³]		10		13	

These products contain fluorinated greenhouse gases (R452A GWP=2140,5).

Stand-by voltages available: 208-230/1/60hz and 230/3/60hz

Vehicle voltages available: 12VDC or 24VDC

SFZ Multi-Temp

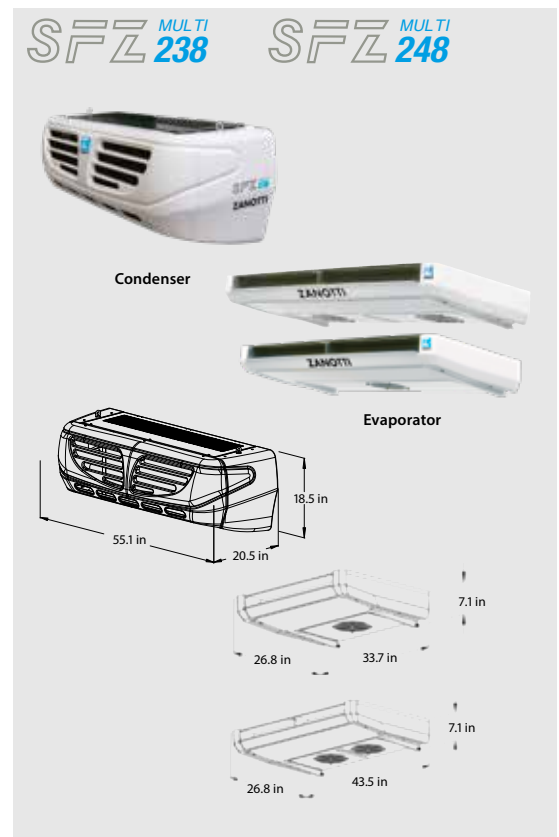
SFZ238 Multi | SFZ248 Multi

Our SFZ Multi-Temp range is designed to meet the modern needs of refrigeration for light to medium trucks. These units feature additional evaporators to enable transport of products with different temperature requirements in separate zones, available in multiple configurations to adapt to a wide range of applications. It is a proven design optimized for energy-efficiency, low noise, and easy-to-service transport of temperature-controlled goods in medium-sized boxes.

SFZ238 Multi and SFZ248 Multi are designed as nose-mount, installed on the front wall of the box. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.

Key Features:

- ✓ Multiple temperature zones in the same vehicle
- ✓ Proven reliability and performance
- ✓ Powered by direct-drive on road, electric grid on stand-by
- ✓ Easy to install and service, lightweight
- ✓ Low noise
- ✓ Configurable for a wide range of refrigerated applications in light to medium trucks
- ✓ User-friendly cabin driver interface
- ✓ Telematics-compatible
- ✓ 2-year standard warranty



		SFZ238 Multi			SFZ248 Multi		
General							
Refrigerant		[-]		R452A			
System net cooling capacity under ATP conditions (100°F ambient temperature)							
	[°F]	35°F	0°F	-20°F	35°F	0°F	-20°F
Road mode	[BTU/h]	14300	7500	5500	16400	8300	6000
Stand-by mode	[BTU/h]	11500	5800	3800	13300	7200	4700
Heating capacity							
Road mode	[BTU/h]	13136			15116		
Stand-by mode	[BTU/h]	11021			12318		
Airflow rate							
Airflow rate at 100kPa static pressure		[CFM]		2x 491		2x 983	
Weight							
Condenser without electric stand-by		[lb]		154		170	
Condenser with electric stand-by		[lb]		282		315	
Evaporator		[lb]		2x		2x	
Road compressor							
Displacement		[in³]		10		13	

These products contain fluorinated greenhouse gases (R452A GWP=2140,5).

Stand-by voltages available: 208-230/1/60hz and 230/3/60hz

Vehicle voltages available: 12VDC or 24VDC

Provisional engineering data

Truck





Uno

U600 | U800 | U1000

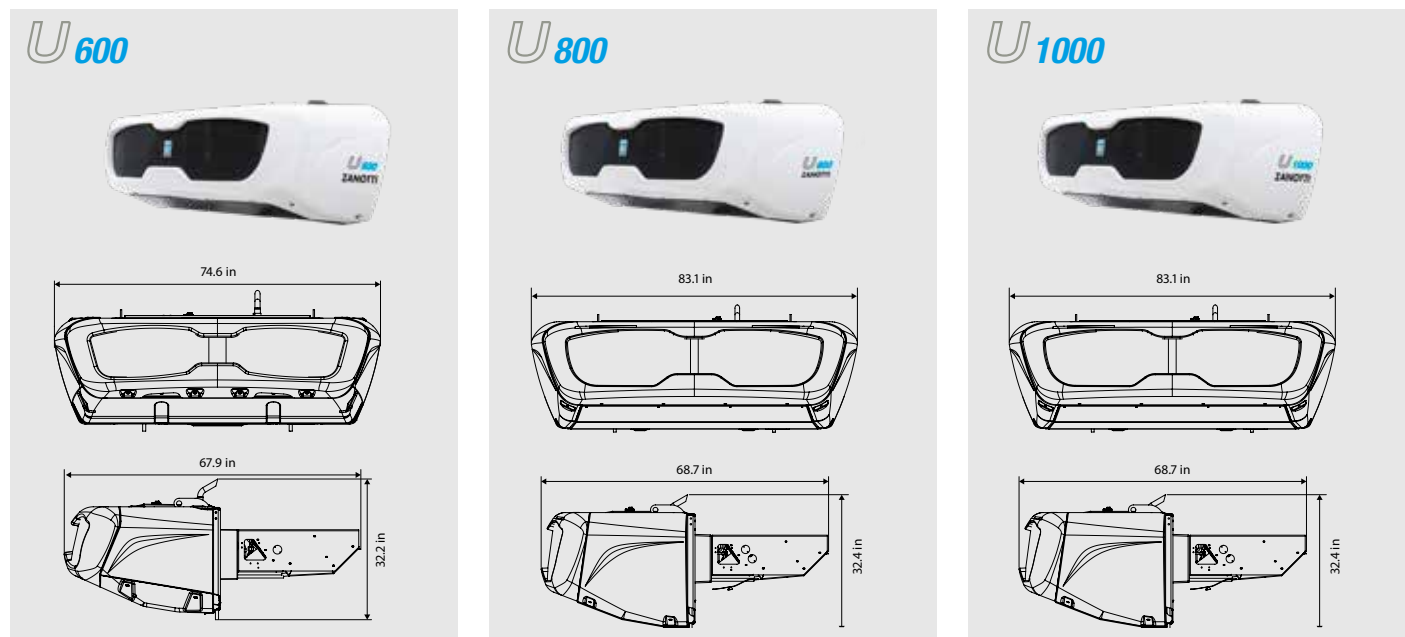
The redesigned Uno range of units are independently powered with a diesel engine, and available in various capacities to efficiently transport temperature-controlled products in medium to heavy trucks. The Uno features Zanolli's innovative direct coupling design between the engine and the compressor, and utilize Daikin's expertise in design for reliability and performance. Their high cooling performance, energy efficiency and extended maintenance intervals minimise the total cost of ownership, while meeting the most stringent emission, material waste, and noise pollution regulations.

U600, U800, and U1000 are designed as nose-mount, installed on the front wall of the box. The electronics enabled advanced diagnostics and two-way telematics including remote monitoring and control. A robust interface in the cabin can be installed in the vehicle DIN slot or mounted on the dash, allowing real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.

Key Features:

- ✓ Designed for high reliability with a custom Yanmar engine
- ✓ Innovative powertrain design enabling high performance and energy efficiency
- ✓ Reduced fuel consumption and noise
- ✓ Extended maintenance intervals
- ✓ All-new electronics compatible with two-way telematics
- ✓ 2-year standard warranty





		U600			U800			U1000		
General										
Refrigerant	[-]	R452A								
Defrost	[-]	Hot gas defrost								
System net cooling capacity under ATP conditions (100°F ambient temperature)										
	[°F]	35°F	0°F	-20°F	35°F	0°F	-20°F	35°F	0°F	-20°F
Road mode	[BTU/h]	20000	11500	7500	27500	17000	11000	32500	20500	13500
Stand-by mode	[BTU/h]	12000	6000	4000	21000	12500	8000	27000	16000	10500
Heating capacity										
Road mode	[BTU/h]	18426			25591			29686		
Stand-by mode	[BTU/h]	10919			19450			24567		
Airflow rate										
Airflow rate at 100kPa static pressure	[CFM]	883			1295			1471		
Weight										
Monoblock road and stand-by	[lb]	1069			1102			1210		
Monoblock road-only	[lb]	959			1003			1111		
Diesel engine										
Displacement	[in³]	52			68			68		
Rated power output	[BTU/h]	39240			51523			51523		
Maintenance interval	[hrs]	2000			2000			2000		
Road compressor										
Displacement	[in³]	0.9			1.2			1.5		
Stand-by compressor										
Displacement	[CFM]	6.65			8.47			12.59		

These products contain fluorinated greenhouse gases (R452A GWP=2140,5).
Stand-by voltages available: 230V/3/60hz and 440V/3ph/60hz



Uno

U800 Multi | U1000 Multi

The redesigned Uno range of units are independently powered with a diesel engine, and available in various capacities to efficiently transport temperature-controlled products in medium to heavy trucks. The Uno features Zanotti's innovative direct coupling design between the engine and the compressor, and utilise Daikin's expertise in design for reliability and performance. Their high cooling performance, energy efficiency and extended maintenance intervals minimise the total cost of ownership, while meeting the most stringent emission, material waste, and noise pollution regulations.

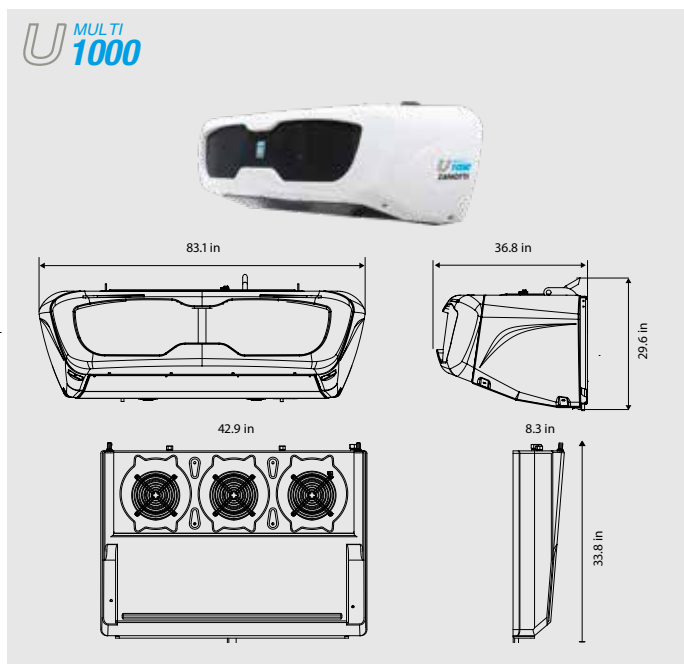
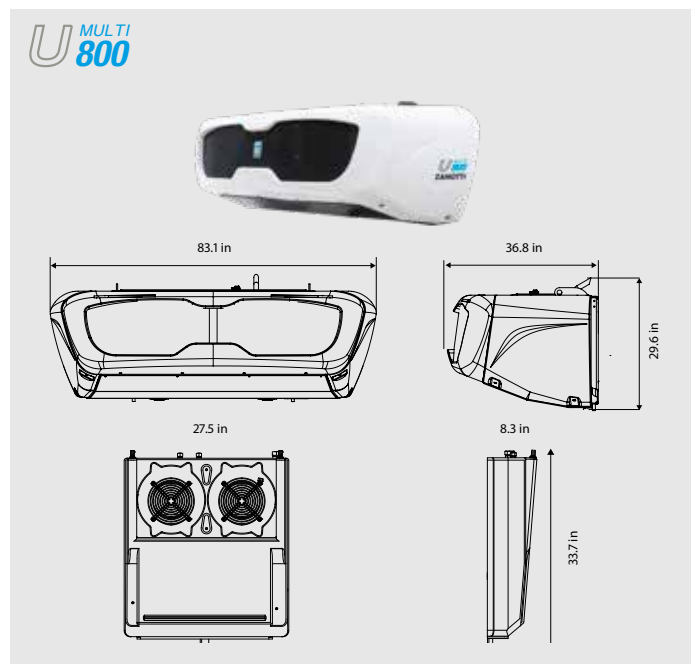
U800 Multi and U1000 Multi are designed as nose-mount, installed on the front wall of the box, with multiple configurations of evaporators and fans to meet the requirements of a wide range of vehicle types and applications. The electronics enabled advanced diagnostics and two-way telematics including remote monitoring and control. A robust interface in the cabin can be installed in the vehicle DIN slot or mounted on the dash, allowing real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.

Key Features:

- ✓ Multiple temperature zones in the same vehicle
- ✓ Designed for high reliability with a custom Yanmar engine
- ✓ Innovative powertrain design enabling high performance and energy efficiency
- ✓ Reduced fuel consumption and noise
- ✓ Extended maintenance intervals
- ✓ All-new electronics compatible with two-way telematics
- ✓ 2-year standard warranty, extendable up to 5 years



The all-new Uno cabin controller is modern technology in a robust build.



	U800 Multi				U1000 Multi		
General							
Refrigerant	[-]	R452A					
Defrost	[-]	Hot gas defrost					
System net cooling capacity under ATP conditions (100°F ambient temperature)							
	[°F]	35°F	0°F	-20°F	35°F	0°F	-20°F
Road mode	[BTU/h]	27000	15000	10000	19500	11000	7000
Stand-by mode	[BTU/h]	31500	19500	12500	28000	16000	10500
Heating capacity							
Road mode	[BTU/h]	24910			29003		
Stand-by mode	[BTU/h]	16720			25932		
Airflow rate							
Airflow rate at 100kPa static pressure	[CFM]	2x 989			2x 1483		
Weight							
Split road and stand-by	[lb]	1102			1113		
Monoblock road-only	[lb]	1014			1025		
Evaporator	[lb]	77 x 2			88 x 2		
Diesel engine							
Displacement	[in³]	1116			1116		
Rated power output	[kW]	13,2			13,2		
Maintenance interval	[hrs]	2000			2000		
Road compressor							
Displacement	[in³]	19.8			20.8		
Stand-by compressor							
Displacement	[CFM]	509			756		

These products contain fluorinated greenhouse gases (R452A GWP=2140,5).

Stand-by voltages available: 230/3/60hz and 440V/3ph/60hz



Eutectic Inserts

Inpacs Small | Medium | Large

Our Hubbard branded Inpacs are specifically designed for low-cost chilling or freezing where mechanical refrigeration is not practical. They are available in a range of sizes to suit all styles of last mile delivery requirements.

Inpac inserts contain a eutectic solution which has a pre-determined freezing temperature. Cooling preparation is achieved by placing the inserts for a minimum of 12 hours prior to use in a freezer cabinet, cold store or dedicated facility capable of cooling to 8°C below the required holding temperature.

Our patented phase change material features superior energy density, delivering 33% more energy storage than existing products, extending the cargo storage time. With suitable levels of insulation, an Inpac can maintain temperature within a delivery container for up to 4 hours.

Inpacs are designed to be easy to identify in the cooling preparation area, even when stacked in large quantities. Large Inpacs are colour-coded, and designed to stack on top of each other and feature raised 'lugs' to create the optimal airflow between them during the cooling preparation process.

Hubbard Inpacs are manufactured from a durable polyester plastic to resist damage in the workplace. The units are reusable with minimum maintenance, and are classified as long-life items.

Key Features:

- ✓ Patented eutectic solution delivers 33% more energy storage
- ✓ Maintain temperature up to 4 hours in delivery container
- ✓ Available in three sizes
- ✓ Colour-coded for dispatch schedules or temperature requirement
- ✓ Versatile, low-cost chilling or freezing
- ✓ Virtually maintenance free
- ✓ One-piece moulding – wipe clean smooth surfaces for greater hygiene
- ✓ Lightweight and robust – built for everyday use without risk of leakage

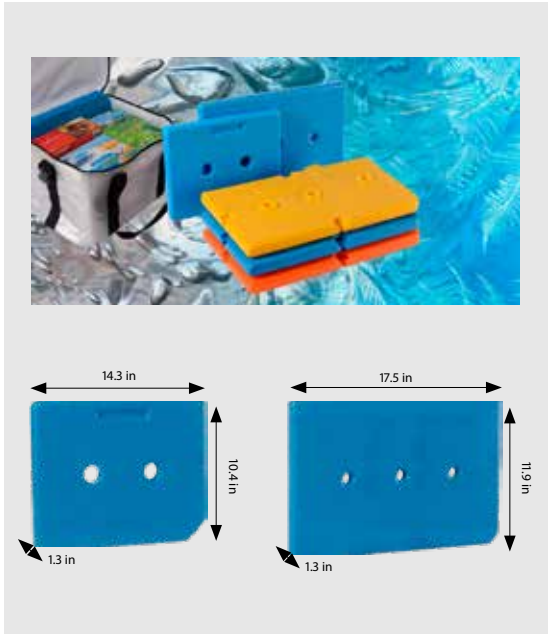
Application examples

- › Blood products › Frozen Food › Sandwiches › Cakes › Flowers › Ice Cream
- › Vegetables › Chilled Food › Fish › Display cabinets › Milk › Dairy products
- › Pies › Meat

Typical Users

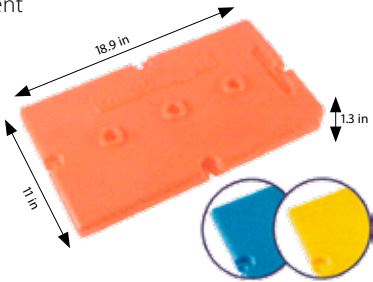
- › Caterers › Local authorities › Butchers › Railway and Airline catering
- › Electric Vehicle operators › Home Delivery › Hospitals › Bakers › Restaurants › Hotels
- › Dairy Industry › Sandwich Suppliers › Ice Cream Vendors

Refrigeration Capacity	Inpac Small	Inpac Medium	Inpac Large
Chill -26.5°F [BTU/h]	682.4	989.5	989.5
Frozen -5°F [BTU/h]	552.7	791.6	791.6
Dimensions (wxhxd) [in]	14.4x10.4x1.2	17.5x11.8x1.3	18.9x11x1.3



Inpacs Large in Colour

Colour coded for dispatch schedules or temperature requirement



Typical chill container



Typical freeze container

Services



Service Contracts

Our vision in Daikin Transport Refrigeration is to support the entire lifecycle of our customers' products. All our transport refrigeration units come standard with a two-year warranty. With the launch of Daikin Exigo trailer refrigeration unit, we are introducing the following additional service contracts.

Maintenance Plan

Exigo comes standard with a two-year maintenance plan, covering the scheduled service intervals at national service providers. After the first two years, the contract is renewable on an annual basis.

Extended Warranty

Exigo international parts & labor warranty can be extended on an annual basis after the first two years of standard warranty. The Extended Warranty contract requires Telematics and Maintenance Plan to be also selected.

24/7 Breakdown Support

Our European call center will help arrange breakdown service regardless of time, location or language. This service is also included as standard for the first two years, renewable annually.

Stand By Me

Exigo customers will have access to the Daikin Stand By Me portal which simplifies contract management and renewal for fleet managers.



Service Contracts	Zanotti Van & Truck Range (First 2 years)	Daikin Exigo (First 2 years)	Daikin Exigo (Annual Renewal)
Warranty EMEA parts and labor warranty coverage	Included	Included	Optional Extended Warranty (requires) Telematics and Maintenance Plan)
Telematics EMEA coverage and fleet management portal access		Included	Optional
Maintenance Plan National scheduled preventative maintenance		Included	Optional
24/7 Breakdown Support Call center support in main European languages		Included	Optional

Telematics

Daikin Telematics help trailer fleet managers gain greater insight and control over their fleet remotely. The back-end of our system is supported by an EU-based provider highly experienced in commercial vehicle telematics providing connectivity across EMEA. Exigo comes standard with two-year telematics and renewable annually afterwards.

The telematics framework is designed with the customer in mind, providing utmost flexibility by being configurable for third-party fleet management software. The included telematics portal provides state-of-the-art visibility and control of each unit in the fleet.

- ✓ Live location monitoring on map
- ✓ Remote HMI display and control
- ✓ Error messages with push notification
- ✓ Geofence alarm and low-noise programming
- ✓ Remote unit diagnostics
- ✓ Over-the-air software update
- ✓ Intuitive online fleet management portal
- ✓ Configurable for existing fleet management software





Discover our portfolio:
<https://us.ahf.at/>