



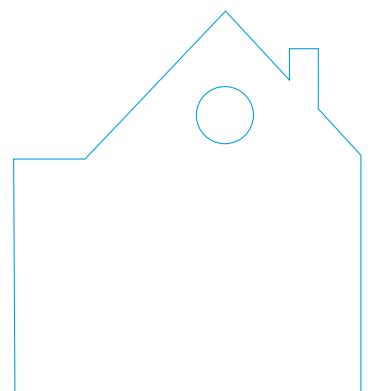
Transport Refrigeration

# 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

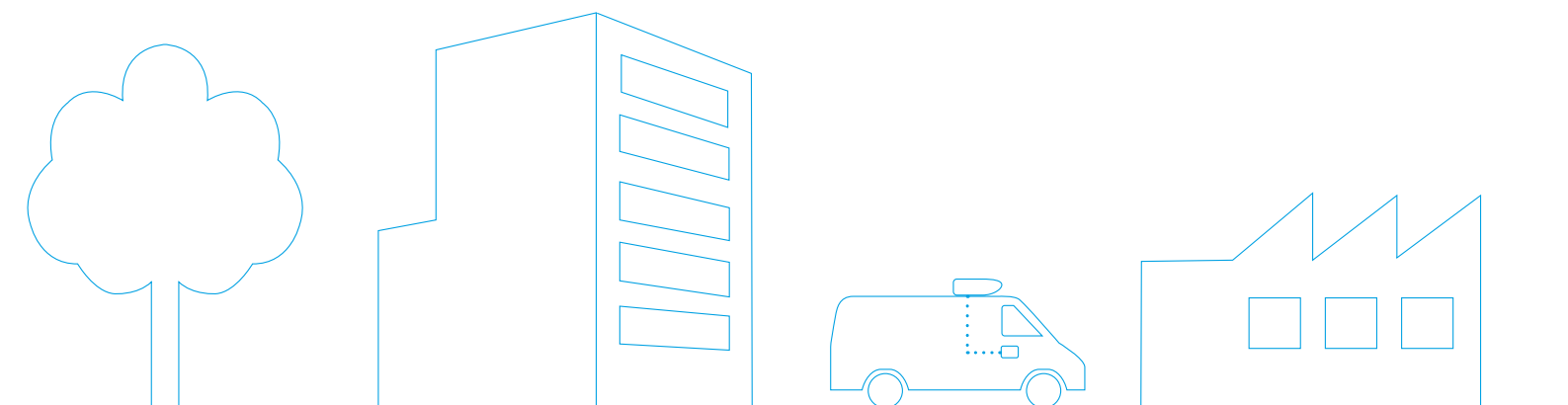
We believe that there is always room for improvement, and this mindset is the driving force behind everything that we do at Daikin. From small advances in the production process, to major design breakthroughs that result in substantial energy savings, we aim to inspire technological change. With our 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.**



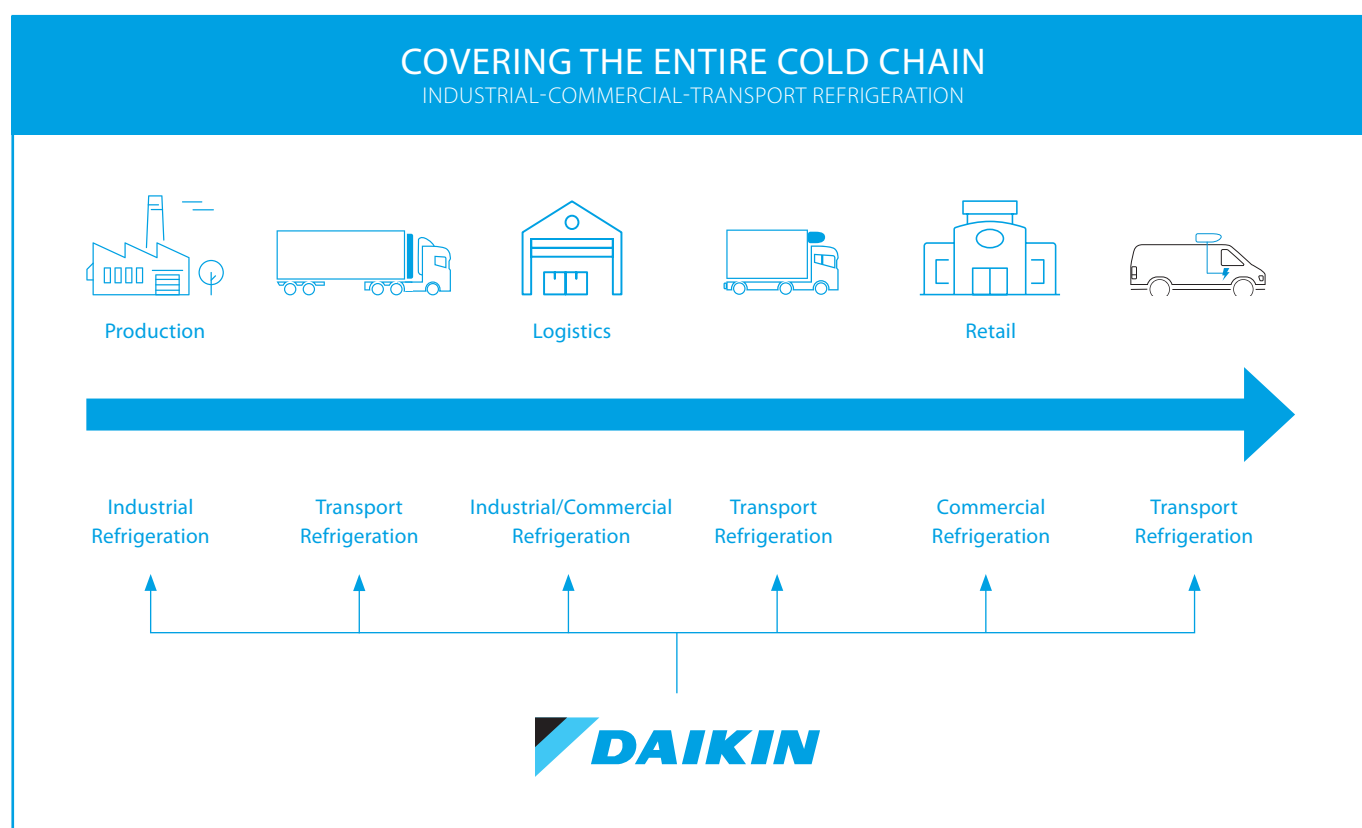


# Cold Chain Expertise

## 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 2°C 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.

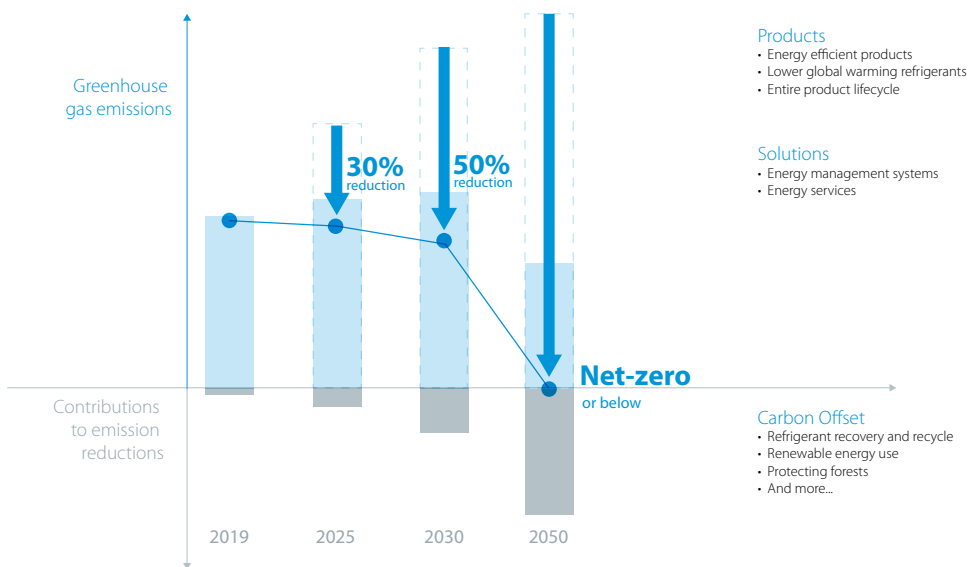
## Our Vision 2050

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

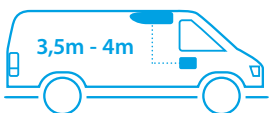
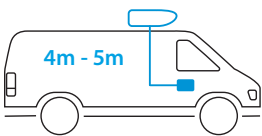





In our Cold Chain business, we are moving towards low-GWP and HFC-free natural refrigerants, while ensuring the correct safety standards are established in our markets. We maintain continuous focus on reducing the energy consumption of all our products. In the Transport Refrigeration industry, we will 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	SFZ008e SFZ009e	Z120b Z200e Z250e Z350e
			
SFZ009 Multi	Z380 Multi	SFZ009e Multi	Z350e Multi

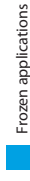
LIGHT TRUCK	TRUCK		TRAILER
SFZ	Uno	Uno Undermount	Exigo
			
 		 	
SFZ238 SFZ248	U600 U800 U1000	UN120	E1500
  	 	  	
SFZ238 Multi SFZ248 Multi	U800 Multi U1000 Multi	UN120 Multi	



## Selection tool for box size

Daikin Product Line	Model name	Refrigerant	Recommended Box size for 0°C [m³]	Recommended Van size for -20°C [m³]	Insulated Box Volume [m³] (with insulation K=0.4 Watts/m² °C) at 30°C ambient temperature																		
Van Electric range					5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
Zero Electric	Z120b	R452A	8	4																			
	Z200e	R452A	9	6																			
	Z250e	R452A	11	7																			
	Z350e	R452A	12	10																			
	Z350e MT	R452A	12	9																			
Invisible Electric	SFZ008e	R452A	10	6																			
	SFZ009e	R452A	12	9																			
	SFZ009e MT	R452A	11	8																			
Van & Light Truck Direct Drive range																							
Zero	Z200	R452A	16	10																			
	Z250	R134A	21	N/A																			
	Z250	R452A	21	16																			
	Z350	R452A	24	18																			
	Z380	R134A	28	N/A																			
Invisible	Z380	R452A	28	21																			
	SFZ007	R134A	11	N/A																			
	SFZ008	R452A	16	10																			
	SFZ009	R452A	24	18																			
SFZ	SFZ238	R452A	36	28																			
	SFZ248	R452A	42	31																			
Van & L. Truck Direct Drive Multi Temperature																							
Zero	Z380 MT	R452A	N/A	16																			
Invisible	SFZ009 MT	R452A	N/A	15																			
SFZ	SFZ238 MT	R452A	N/A	21																			
	SFZ248 MT	R452A	N/A	27																			
Truck range																							
Uno	U600	R452A	57	42																			
	U800	R452A	66	55																			
	U1000	R452A	80	70																			
Undermount truck range																							
Uno Under	Un120	R452A	90	80																			
Truck Multi Temperature																							
Uno	U800 MT	R452A	N/A	45																			
	U1000 MT	R452A	N/A	62																			
Uno Under	Un120 MT	R452A	N/A	60																			
Trailer																							
Exigo	E1500	R452A	N/A	95																			

Note: This selection table is intended as a guide. It has been compiled using experience acquired in normal utilization of our equipment in transport and distribution. Conformity to these recommendations should guarantee your total satisfaction.



## Frozen applications

## Chilled applications

# 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.

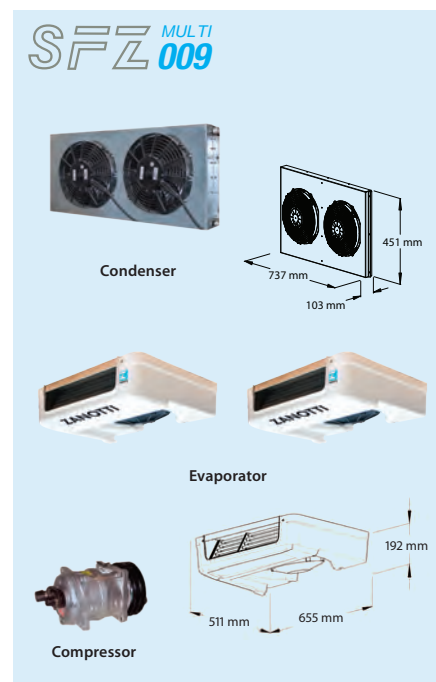
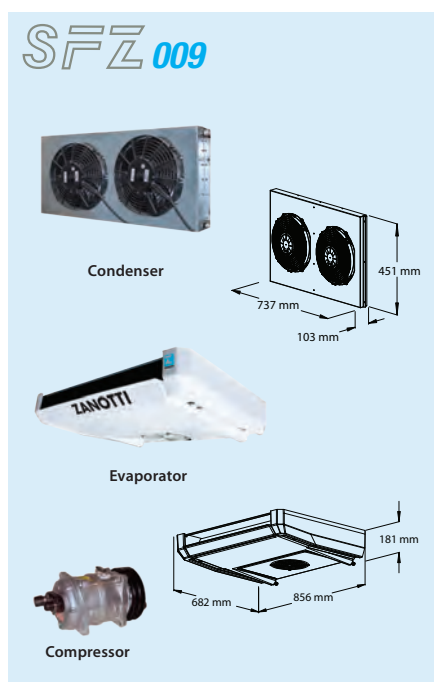
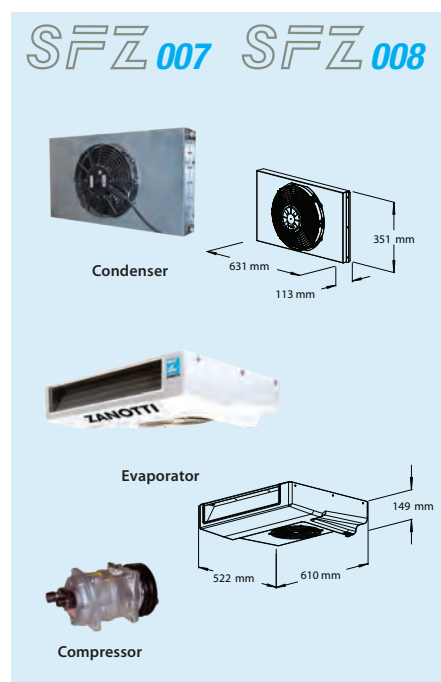
The Invisible range, with its ultra-thin dimensions make it the ideal choice for customers who need a space-saving solution. A driver-friendly interface in the cabin allows real-time monitoring and control of the unit performance to ensure the cargo is maintained at precisely the right temperature throughout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

#### Key Features:

- Multiple temperature zones in the same vehicle (Multi model only)
- Powered by direct-drive on engine, electric 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 (30°C ambient temperature)									
	[°C]	0°C	-20°C	0°C	-20°C	0°C	-20°C	0°C	-20°C
Road mode	[W]	1790	N/A	2000	1000	3160	1828	2990	1580
Stand-by mode	[W]	1130	N/A	1200	700	2030	1124	1760	970
Heating capacity									
Road mode	[W]	N/A	1890		2790		2640		
Stand-by mode	[W]	N/A	1380		1630		1580		
Airflow rate									
Airflow rate at 100kPa static pressure	[m³/h]	786	786		1062		2x 620		
Weight									
Condenser without electric stand-by	[kg]	25	38		45		45		
Condenser with electric stand-by	[kg]	50	65		75		75		
Evaporator	[kg]	10	14		20,5		2x 10,2		
Road compressor									
Displacement	[cc]	146	146		163		163		

These products contain fluorinated greenhouse gases (R134a GWP=1430 / R452A GWP=2140,5).

Stand-by voltages available: 230/1/50 or 400/3/50

Vehicle voltages available: 12VDC or 24VDC



## Zero Direct-Drive

### Z200 | Z250 | Z350 | Z380

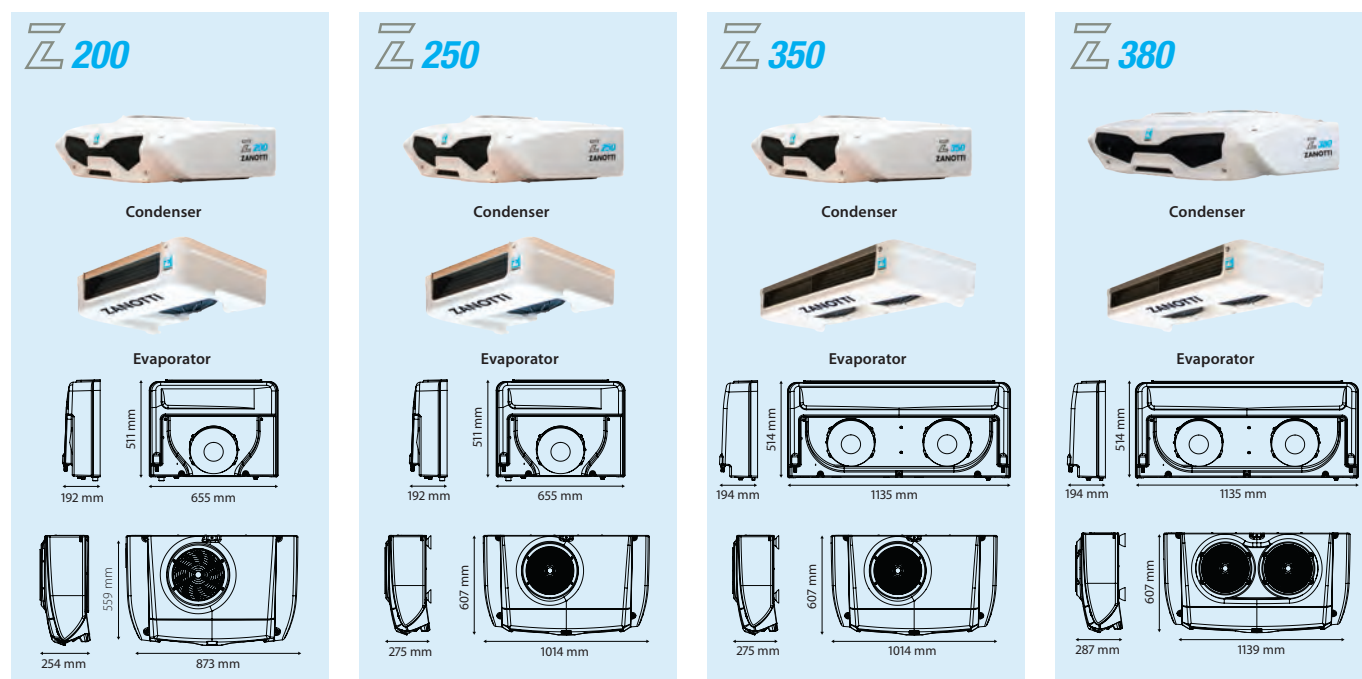
The Zero range meets the needs of the distribution industry by offering the utmost flexibility in the temperature management of refrigerated products. The extensive direct-drive Zero line-up including Z200, Z250, Z350, and Z380 is designed to meet a wide range of applications in light commercial vehicles.

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 engine, electric 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 (30°C ambient temperature)							
	[°C]	0°C	-20°C	0°C	-20°C	0°C	-20°C
Road mode	[W]	2140	N/A	2920	N/A	2220	1170
Stand-by mode	[W]	1130	N/A	1900	N/A	1500	700
		2680	1470	3350	1840	3800	2020
		2240	890	2450	970		
Heating capacity							
Road mode	[W]	1930	2620	2100	2500	3100	3300
Stand-by mode	[W]	1020	1710	1300	1900	2000	2200
Airflow rate							
Airflow rate at 100kPa static pressure	[m³/h]	650	1870	622	650	1300	1870
Weight							
Condenser without electric stand-by	[kg]	34	40	30	36	36	42
Condenser with electric stand-by	[kg]	70	78	56	72	72	80
Evaporator	[kg]	9	18	10,2	10,5	19,6	19,6
Road compressor							
Displacement	[cc]	146	163	131	131	146	146

These products contain fluorinated greenhouse gases (R134a GWP=1430 / R452A GWP=2140,5).

Stand-by voltages available: 230/1/50 or 400/3/50

Vehicle voltages available: 12VDC



## Zero Direct-Drive Multi-Temp

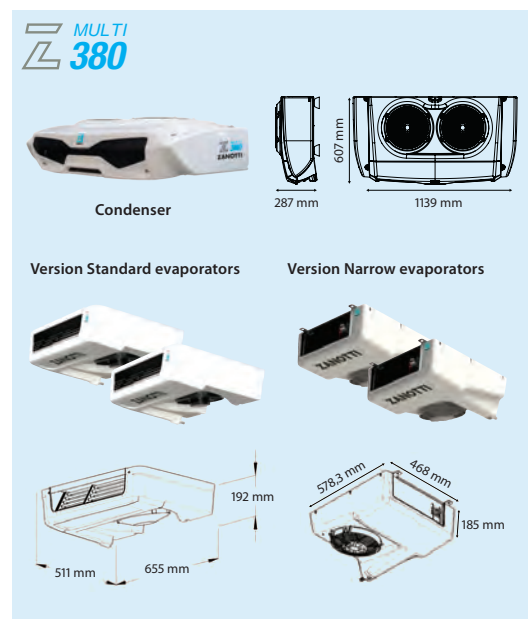
## Z380 Multi

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 engine, electric 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		Z380 Multi (Narrow Evap)	
General					
Refrigerant	[F]	R452A			
System net cooling capacity under ATP conditions (30°C ambient temperature)					
	[°C]	0°C	-20°C	0°C	-20°C
Road mode	[W]	3265	1655	3250	1310
Stand-by mode	[W]	2030	640	2420	1030
Heating capacity					
Road mode	[W]	3010		2630	
Stand-by mode	[W]	1770		1520	
Airflow rate					
Airflow rate at 100kPa static pressure	[m³/h]	2x 620		2x 830	
Weight					
Condenser without electric stand-by	[kg]	42		42	
Condenser with electric stand-by	[kg]	80		80	
Evaporator	[kg]	2x 10,2		2x 16	
Road compressor					
Displacement	[cc]	146		146	

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

Stand-by voltages available: 230/1/50 or 400/3/50

Vehicle voltages available: 12VDC

# Van Electric





## Invisible Electric

### SFZ008e | 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.

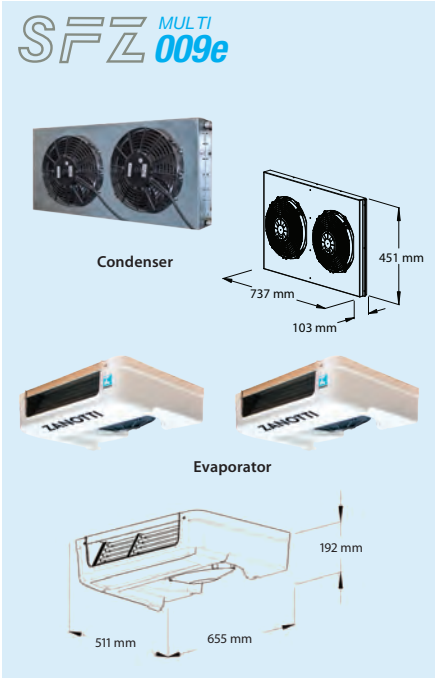
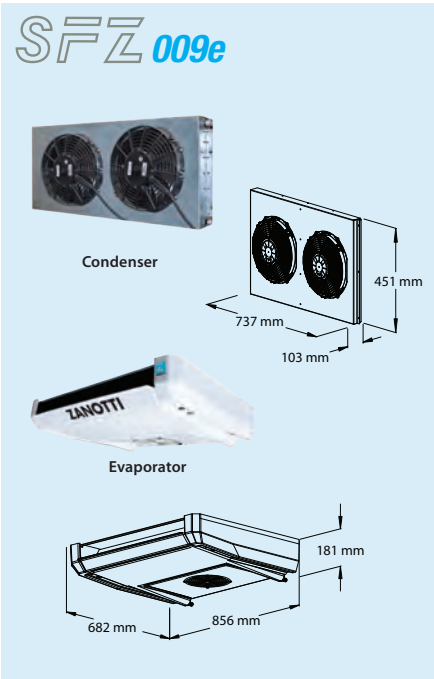
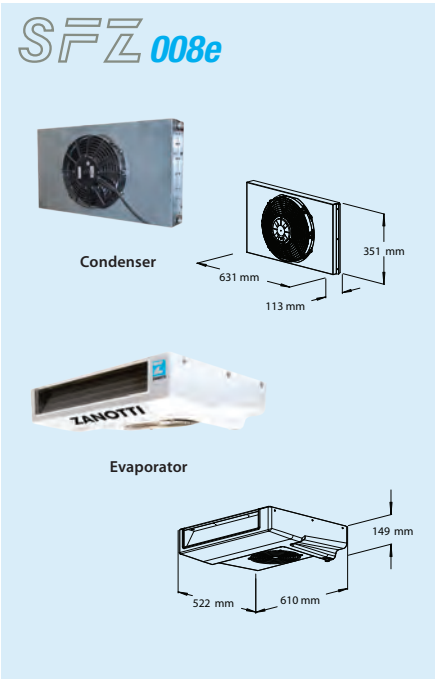
These units are installed underneath the vehicle chassis, completely invisible from the outside, preserving the aesthetics, original height and aerodynamics of the vehicle, while reducing bodywork. SFZ009e offers varying refrigeration capacities and volume ratings tuned for different applications. SFZ009e 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





		SFZ008e		SFZ009e		SFZ009e Multi		
General								
Refrigerant		[-]		R452A				
System net cooling capacity under ATP conditions (30°C ambient temperature)								
		[°C]	0°C	-20°C	0°C	-20°C	0°C	-20°C
Battery mode		[W]	1300	700	2200	1124	1760	970
Heating capacity								
Battery mode		[W]	1380		1650		1580	
Airflow rate								
Airflow rate at 100kPa static pressure		[m³/h]	786		1062		2x 620	
Weight								
Condenser with electric stand-by		[kg]	65		75		75	
Evaporator		[kg]	14		20,5		2x 10,2	
Max current								
		[A]	119		165		170	

These products contain fluorinated greenhouse gases (R452A GWP=2140,5).  
Stand-by voltages available: 230/1/50 or 400/3/50  
Vehicle voltages available: 12VDC or 24VDC

## Zero Electric

## Z120b

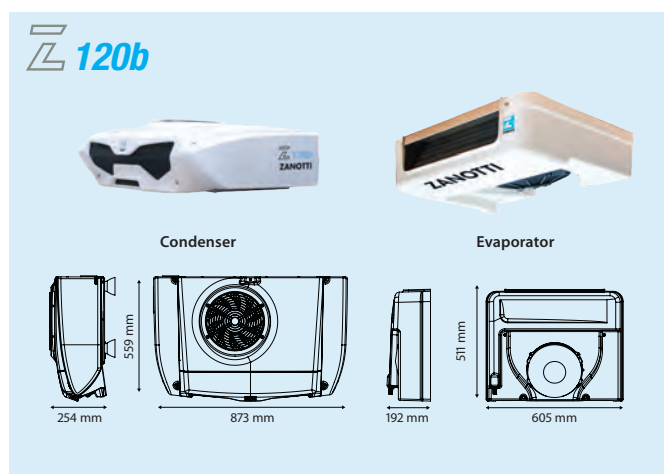
Z120b is powered by the vehicle battery, with minimal environmental impact and maximum cooling effectiveness ideal for refrigerated transport in vans. The unit can be installed quickly without any mechanical couplings with the vehicle engine, which also minimises power draw and thus emissions.

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 engine, electric 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

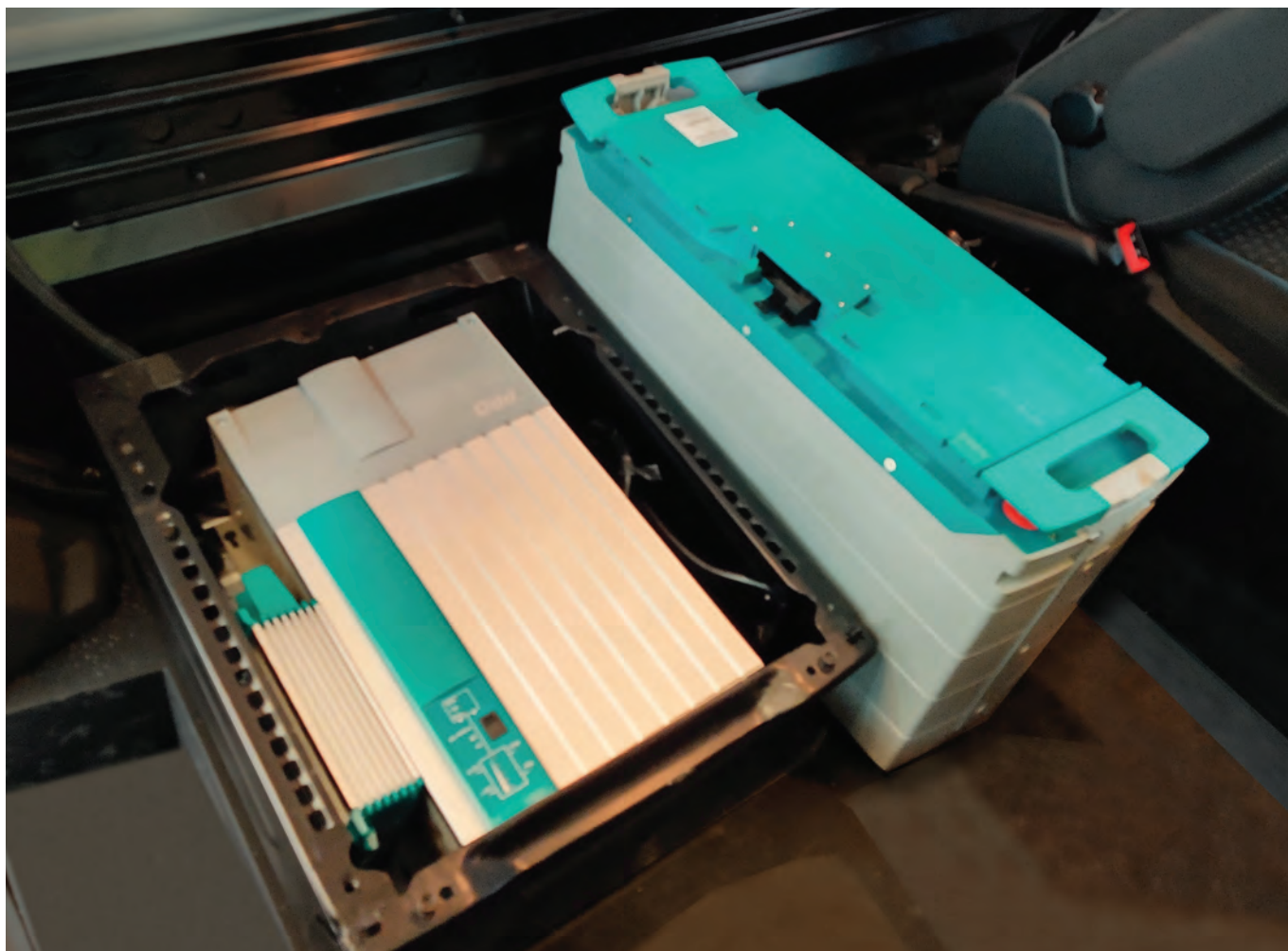


		Z120b			
General					
Refrigerant	[°]	R452A		R134A	
System net cooling capacity under ATP conditions (30°C ambient temperature)					
	[°C]	0°C	-20°C	0°C	-20°C
Battery mode	[W]	1200	560	780	N/A
Standby mode	[W]	1300	570	750	N/A
Heating capacity					
Battery mode	[W]	1100		N/A	
Airflow rate					
Airflow rate at 100kPa static pressure	[m³/h]	560		560	
Weight					
Condenser with electric stand-by	[kg]	47		47	
Evaporator	[kg]	10,2		10,2	
Max current					
	[A]	75		55	

This product contains fluorinated greenhouse gases (R452A GWP=2140,5).

Stand-by voltages available: 230/1/50 or 400/3/50

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.

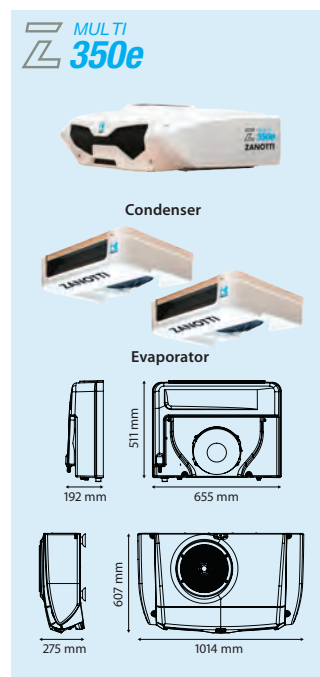
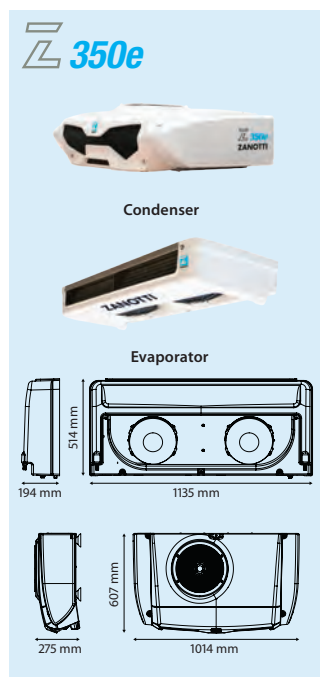
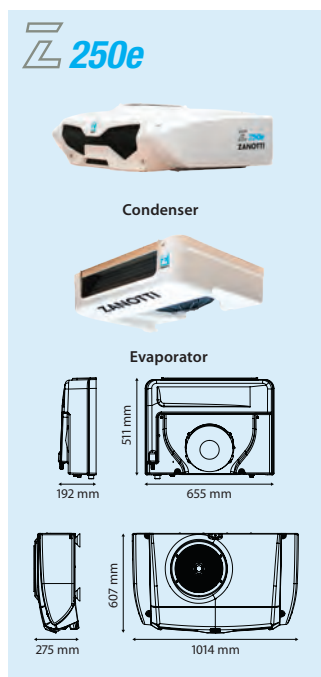
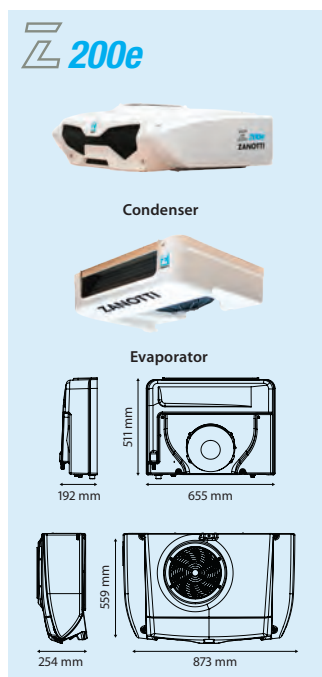
All Zero models provide easy installation and serviceability. The condensing unit can be installed as top-mount on the roof of the box or nose-mount on the front wall of the box, and the ultra-thin evaporator installed in the cargo compartment maximizes cargo volume. A driver-friendly interface in the 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 (30°C ambient temperature)										
		[°C]	0°C	-20°C	0°C	-20°C	0°C	-20°C	0°C	-20°C
Battery mode		[W]	1495	695	1735	955	1880	1045	1940	830
Heating capacity										
Battery mode		[W]	1200		1500		1650		1600	
Airflow rate										
Airflow rate at 100kPa static pressure		[m³/h]	620		650		1300		2x 620	
Weight										
Condenser with electric stand-by		[kg]	54		70		70		70	
Evaporator		[kg]	10,2		10,5		19,6		2X 10,2	
Max current										
		[A]	100		159		166		171	

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

Stand-by voltages available: 230/1/50 or 400/3/50

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 engine, electric 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 (30°C ambient temperature)					
	[°C]	0°C	-20°C	0°C	-20°C
Road mode	[W]	4700	2470	5100	2570
Stand-by mode	[W]	3830	2010	4405	2005
Heating capacity					
Road mode	[W]	3990		4540	
Stand-by mode	[W]	3310		2800	
Airflow rate					
Airflow rate at 100kPa static pressure	[m³/h]	1670		3340	
Weight					
Condenser without electric stand-by	[kg]	70		77	
Condenser with electric stand-by	[kg]	128		143	
Evaporator	[kg]	26,5		42,5	
Road compressor					
Displacement	[cc]	163		215	

These products contain fluorinated greenhouse gases (R452A GWP=2140,5).  
Stand-by voltages available: 230/1/50 or 400/3/50  
Vehicle voltages available: 12VDC or 24VDC

## SFZ Multi-Temp

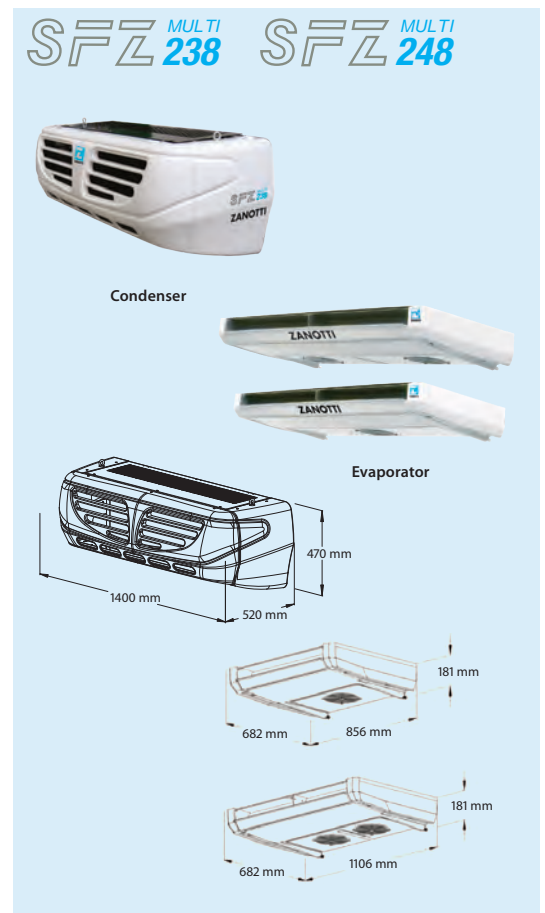
## SFZ238 Multi | SFZ248 Multi

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 engine, electric 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		[F]	R452A			
System net cooling capacity under ATP conditions (30°C ambient temperature)						
		[°C]	0°C	-20°C	0°C	-20°C
Road mode		[W]	4240	2135	5080	2560
Stand-by mode		[W]	3570	1635	4130	2020
Heating capacity						
Road mode		[W]	3850		4430	
Stand-by mode		[W]	3230		3610	
Airflow rate						
Airflow rate at 100kPa static pressure		[m³/h]	2x 835		2x 1670	
Weight						
Condenser without electric stand-by		[kg]	70		77	
Condenser with electric stand-by		[kg]	128		143	
Evaporator		[kg]	2x		2x	
Road compressor						
Displacement		[cc]	163		215	

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

Stand-by voltages available: 230/1/50 or 400/3/50

Vehicle voltages available: 12VDC or 24VDC

# 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 Zanolotti'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.

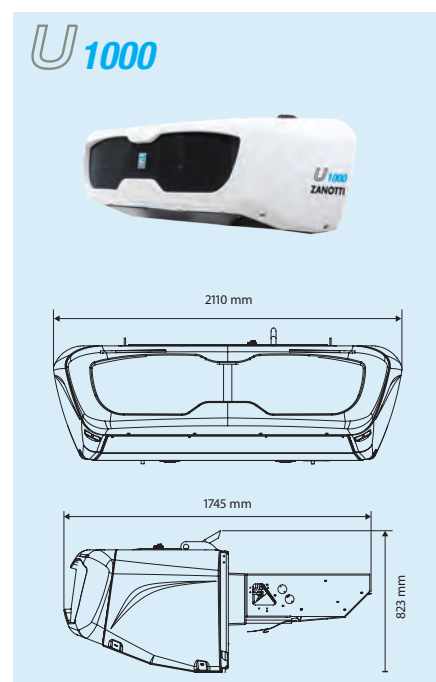
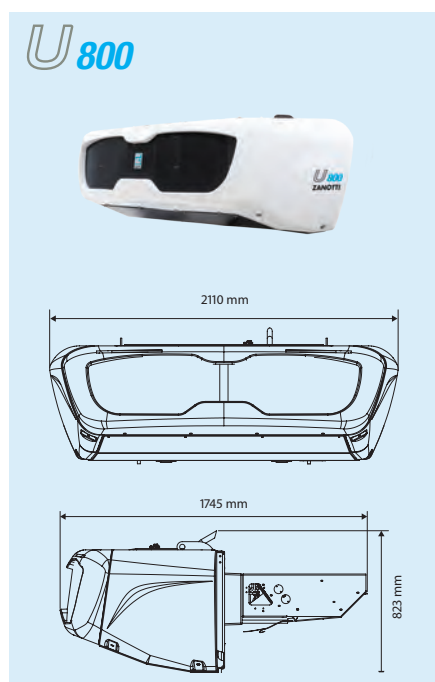
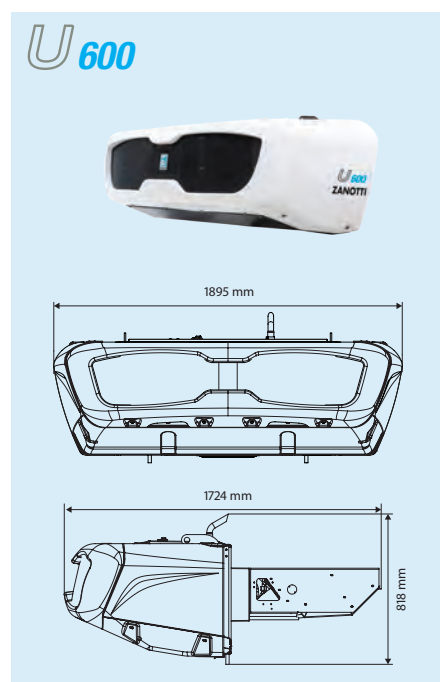
U600, U800, and U1000 are designed as nose-mount, installed on the front wall of the box. The electronics enabled advanced diagnostics. A robust interface in the cabin can be installed in the vehicle DIN slot or mounted on the dash, allowing real-time monitoring and control of unit performance to ensure 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
- 2-year standard warranty







		U600		U800		U1000		
General								
Refrigerant		[F]	R452A					
Defrost		[F]	Hot gas defrost					
System net cooling capacity under ATP conditions (30°C ambient temperature)								
		[°C]	0°C	-20°C	0°C	-20°C	0°C	-20°C
Road mode		[W]	6200	3200	8600	4700	10000	5700
Stand-by mode		[W]	3700	1700	6500	3500	8300	4500
Heating capacity								
Road mode		[W]	5400		7500		8700	
Stand-by mode		[W]	3200		5700		7200	
Airflow rate								
Airflow rate at 100kPa static pressure		[m³/h]	1500		2200		2500	
Air Throw		[m]	6,5		7,5		8,5	
Weight								
Monoblock road and stand-by		[kg]	485		500		549	
Monoblock road-only		[kg]	435		455		504	
Diesel engine								
Displacement		[cc]	854		1116		1116	
Rated power output		[kW]	11,5		15,1		15,1	
Maintenance interval		[hrs]	2000		2000		2000	
Road compressor								
Displacement		[cc]	235		325		390	
Stand-by compressor								
Displacement		[m³/h]	11,3		14,4		21,4	

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

Stand-by voltages available: 400/3/50



## 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.

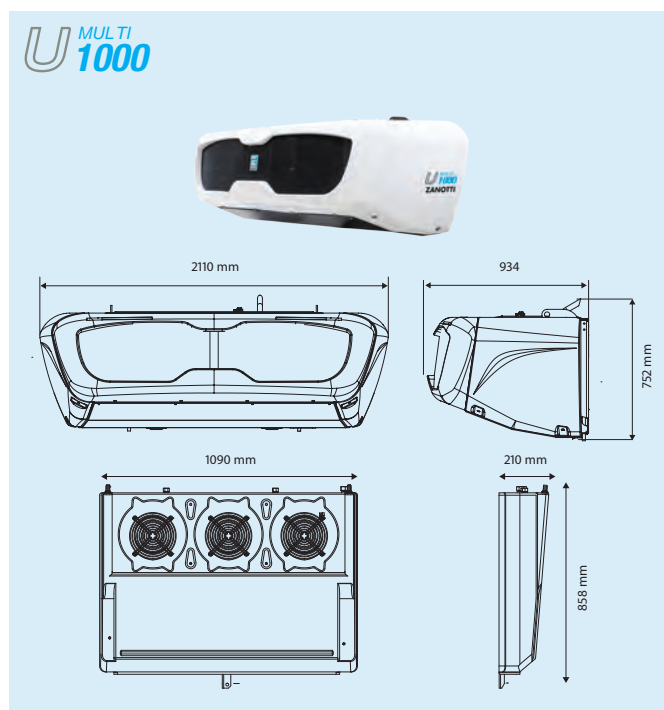
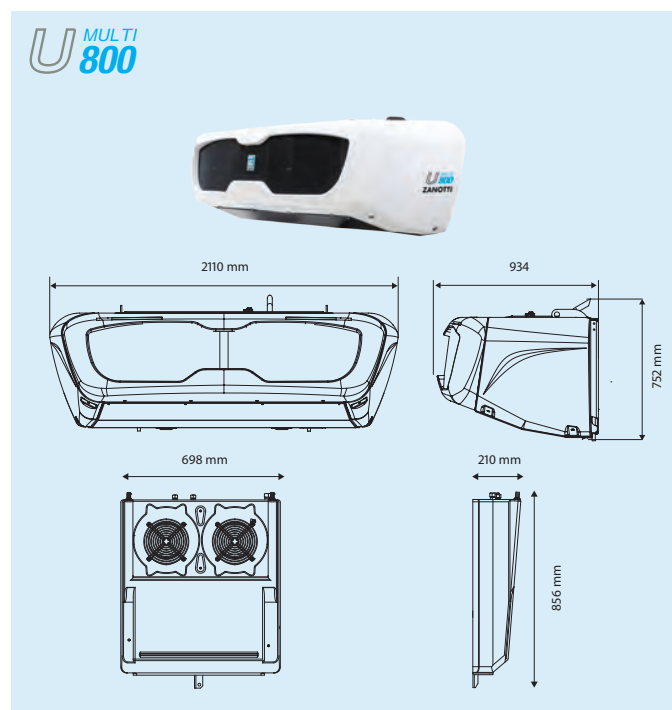
U800 Multi and U1000 Multi are designed as nose-mount, installed on the front wall of the box, with multiple configurations of evaporators and fans to meet the requirements of a wide range of vehicle types and applications. The electronics enabled advanced diagnostics. A robust interface in the cabin 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
- 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 (30°C ambient temperature)					
	[°C]	0°C	-20°C	0°C	-20°C
Road mode	[W]	7970	4140	9800	5400
Stand-by mode	[W]	6050	3075	8700	4500
Heating capacity					
Road mode	[W]	7300		8500	
Stand-by mode	[W]	4900		7600	
Airflow rate					
Airflow rate at 100kPa static pressure	[m³/h]	2x 1680		2x 2520	
Air Throw	[m]	7,5		8,5	
Weight					
Split road and stand-by	[kg]	500		505	
Monoblock road-only	[kg]	460		465	
Evaporator	[kg]	35 x 2		40 x 2	
Diesel engine					
Displacement	[cc]	1116		1116	
Rated power output	[kW]	13,2		13,2	
Maintenance interval	[hrs]	2000		2000	
Road compressor					
Displacement	[cc]	325		390	
Stand-by compressor					
Displacement	[m³/h]	14,4		21,4	

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

Stand-by voltages available: 400/3/50

# Uno Undermount

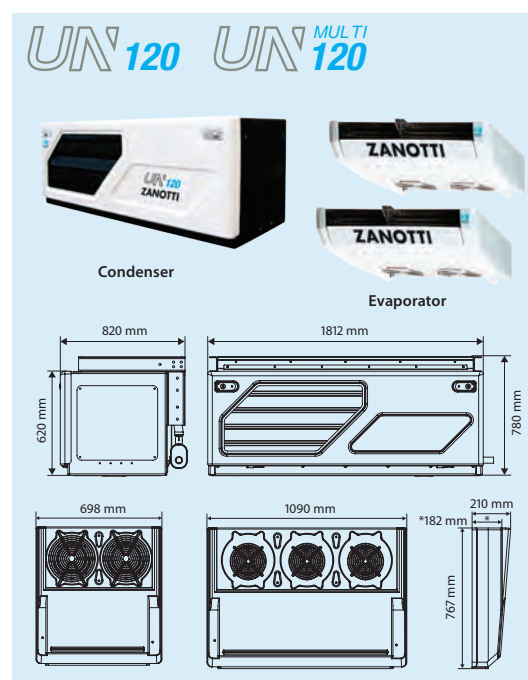
## UN120 | UN120 Multi

Uno Undermount models are independently powered with a diesel engine, and available in various capacities to efficiently transport temperature-controlled products in heavy trucks. The units feature Zanotti's innovative direct coupling design between the engine and the compressor.

UN120 and UN120 Multi are undermount units designed to be installed under the box. UN120 Multi features additional evaporators to enable transport of products with different temperature requirements in separate zones. A driver-friendly interface in the cabin enables them to monitor and modify performance to ensure it is kept at precisely the right temperature throughout the trip.

### Key Features:

- Multiple temperature zones in the same vehicle (Multi model only)
- Designed for high reliability with a custom Yanmar engine
- Innovative powertrain design enabling high performance and energy efficiency
- Reduced fuel consumption and noise
- 2-year standard warranty



		UN120		UN120 Multi	
General					
Refrigerant	[·]	R452A			
Defrost	[·]	Hot gas defrost			
System net cooling capacity under ATP conditions (30°C ambient temperature)					
	[°C]	0°C	-20°C	0°C	-20°C
Road mode	[W]	11500	6200	10600	5700
Stand-by mode	[W]	8200	4200	7500	3900
Heating capacity					
Road mode	[W]	10000		9500	
Stand-by mode	[W]	7100		6700	
Airflow rate					
Airflow rate at 100kPa static pressure	[m³/h]	4500		2x 2520	
Air Throw	[m]	> 8,5		> 8,5	
Weight					
Condensing unit road and stand-by	[kg]	510		510	
Condensing unit road-only	[kg]	475		475	
Evaporators	[kg]	40		40 x 2	
Diesel engine					
Displacement	[cc]	1116		1116	
Rated power output	[kW]	13,2		13,2	
Maintenance interval	[hrs]	2000		2000	
Road compressor					
Displacement	[cc]	390		390	
Stand-by compressor					
Displacement	[m³/h]	21,4		21,4	

These products contain fluorinated greenhouse gases (R452A GWP=2140,5).  
Stand-By voltages available: 400/3/50



# Trailer





## Exigo

### E1500

**Daikin Exigo is the new benchmark in trailer refrigeration – built for the needs of today, and the challenges of tomorrow.**

Every aspect of Exigo has been designed to provide high performance, energy-efficient and reliable transport of refrigerated cargo. It is the next generation in trailer refrigeration, being engine-powered, and compatible with battery technologies.

#### Key Features:

- Unique electric architecture with Daikin inverter technology providing 15kW true capacity both on engine and electric power
- Variable-speed compressor and fans for maximum pull-down performance and energy efficiency
- Reduced maintenance downtime with industry leading service intervals (3000 hours as standard)
- Low noise as standard
- Ease of unit operation with high resolution graphical user interface
- Daikin components with proven reliability and a lightweight design
- GDP-compliant, supporting cold chain integrity of pharmaceuticals and medicinal products
- Telematics with 2-year subscription included as standard
- EMEA sales and service network backed by Daikin



High resolution graphical user interface



Advanced telematics included as standard

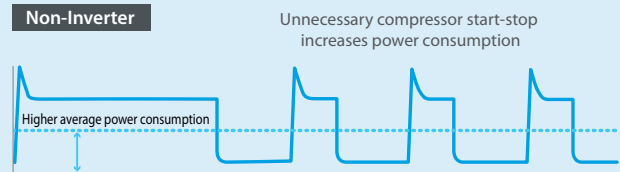
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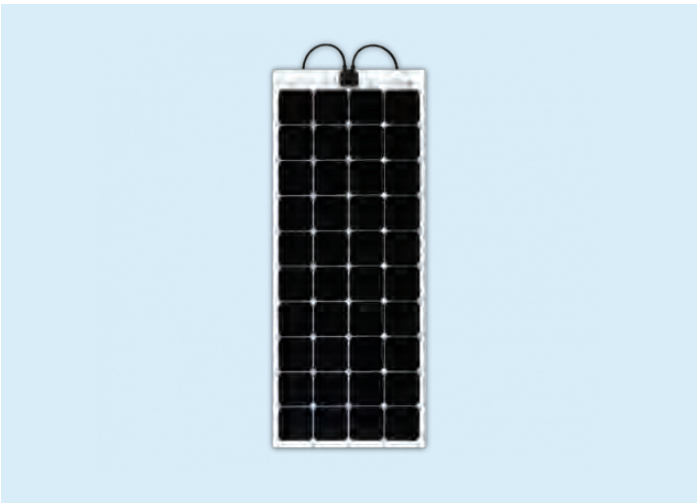
Specifications		E1500
Cooling capacity 30/0°C - Engine & Electric	[W]	14900
Cooling capacity 30/-20°C - Engine & Electric	[W]	9200
Heating capacity -20/+2°C - Engine & Electric	[W]	10500
Air Flow rate evaporator at max pulldown	[m³/h]	5500
Air throw	[m]	15
Engine		Kubota Custom Diesel Engine 1500 cc / 4 Cylinders NRMM Stage V Compliant
Generator		15kW / 400V 3P 50Hz / Direct Drive
Compressor		Custom scroll compressor   economizer   inverter Variable speed
Variable speed components		Compressor   Evaporator fans   Condenser Fans
Controller		Daikin PCB
User interface		7" High Resolution LCD
Temperature zones		Single
Refrigerant		R-452A
Total net weight	[kg]	730
Unit Dimensions W x H x D	[mm]	2072 x 2227 x 440
Connectivity		Telematics as Standard with 2-Year Subscription Included
Pharma		Certicold GDP certification
Power supply		
Voltage	[V]	400
Phase		3P+N
Frequency	[Hz]	50

# Exigo Accessories

## Solar Panel

Key Features:

- Extends Exigo 12V battery life and efficiency
- Improves fuel efficiency by charging the 12V battery
- Keeps telematics active during long standby



Specifications		Solar Panel
Power	[W]	138
Weight	[Kg]	1.8
Length	[mm]	1363
Width	[mm]	546
Thickness	[mm]	2

## Datalogger

Key Features:

- Enables independent cold chain monitoring
- Includes 2 temperature sensors extendable to 6
- Includes integrated printer





# Exigo Service Offerings

## Telematics

Real time management of your fleet is part of Exigo's standard offering, as the unit comes with 2-year telematics included as standard. Our platform provides a comprehensive set of features developed together with fleet managers, and ensures continuous improvement of your Exigo units with the over the air updates.

### Features

- Real-time GPS tracking
- Intuitive geolocator interface based on Google Maps
- Real-time monitoring of setpoint, cargo area and outside temperature
- Temperature setpoint management with two-way communication
- Unit status monitoring including engine information
- Operational and location alarms, with push notifications
- Reports of events, alarms, and usage statistics
- Virtual HMI with full control
- Over-the-air software update
- Accessible via computer, tablet or smartphone
- 4G LTE connectivity, all Europe roaming
- Integration with your existing fleet management software
- Usage data provided to Daikin for product improvement purposes



## 24/7 Breakdown Support

Daikin provides peace of mind across Europe by a 24/7 support line, in order to resolve emergency breakdowns with minimum hassle. Our support specialists will arrange everything from locating the nearest service location to handling payments on behalf of the customer.

### Features

- One phone number across Europe: ☎ +3259552477
- Available in 9 languages, for the convenience of fleet managers and drivers: English (default), Dutch, French, German, Italian, Polish, Romanian, Spanish and Turkish
- Support specialists will arrange locating the nearest available service workshop
- Unit service history available to support specialists
- Support specialists will arrange communication of the technical issue with the service workshop, breaking the language barrier
- No payment or paperwork for issues covered under warranty or extended warranty

Exigo Service Contracts	0- 2 Years	3+ Years
Warranty	Included	Optional Extended Warranty (Requires Telematics and Maintenance Plan)
Telematics	Included	Optional
Planned Maintenance	Optional	Optional
24/7 Breakdown Support	Optional	Optional

## Planned Maintenance

Daikin planned maintenance contract makes sure your unit is always in top operational condition through our authorized service network, maximizing the value of your investment.

### Features

- Execution of planned maintenance per Exigo user manual
- No additional charge, including parts and labor
- No payments or paperwork needed for the intervention
- Unit service history digitally available to all authorized service partners across Europe
- By appointment, can be performed by any authorized service partner across Europe

## Extended Warranty

Protect your asset beyond the standard 2-year warranty, with Daikin's extended warranty contract.

### Features

- Every Exigo is already covered under 2-year warranty including parts and labor
- Extended warranty extend the parts and labor coverage to 3 years and beyond
- No payments or paperwork needed for the intervention
- Unit service history digitally available to all authorized service partners across Europe
- Can be performed by any authorized service partner across Europe

# Service Network



Our continuously growing European service network, extending to over 300 authorized service partners, enabled by Daikin to provide repair and maintenance services for our van, truck, and trailer units. Our service partners always apply our genuine spare parts, engineered to ensure maximum performance and reliability. Utilising the authorized service partners and genuine parts is the only way to protect your investment under Daikin warranty and minimise total cost of ownership.





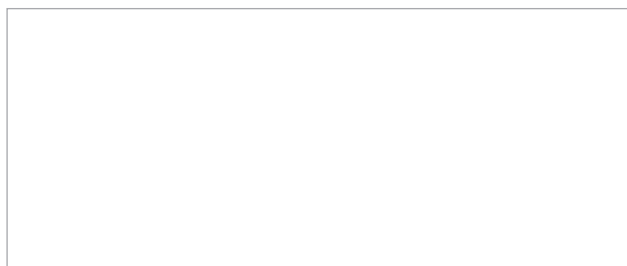


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04/2024



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