

Product Catalogue

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- ★ ***Automotive Step Systems***
- ★ ***Air Conditioning Products***
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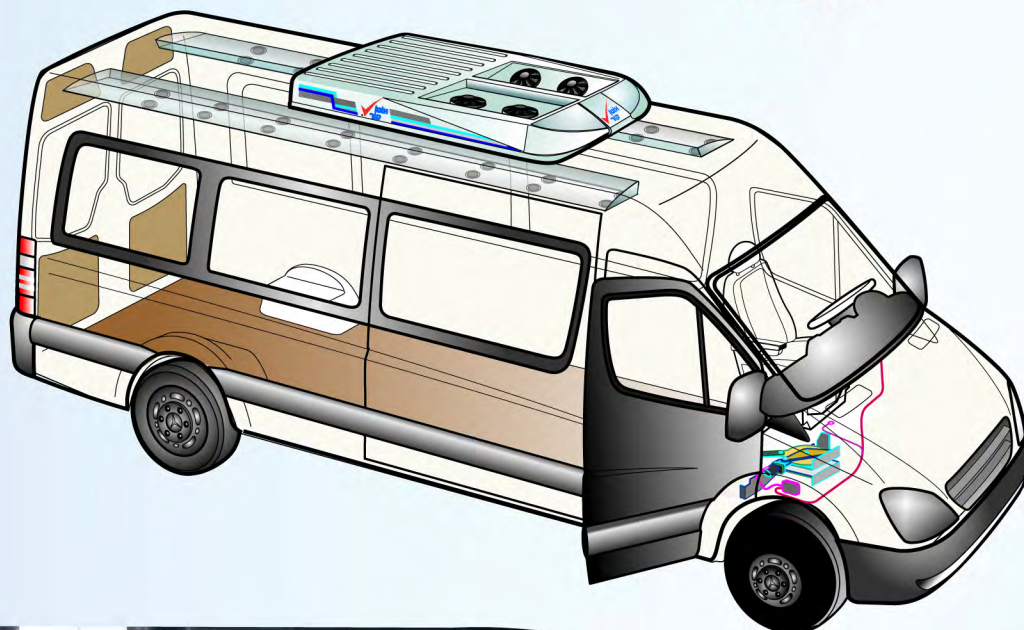
Door Systems

Automatic Axial Doors

Automatic Sliding Doors

Automatic Axial Doors (Tailgate)

Automatic Axial Door **AAD**



RHD



LHD



Automatic Axial Door

**E-mark Approval
TÜV Approval**

Technical Data

System voltage – 12VDC

Nominal current - 3A

Operating temperature range from -30°C to 80°C

Maximum vehicle permitted slope ± 20 degrees

Duty cycle – 750,000 \pm 10,000 (open/close cycles)

Electrical motor – DC with gear assembly

Electronic Control Unit

Automatic control in both directions

Manual control

Remote controller (option)

Safety

Electronic controller with safety features

Door operation is not limited by the electrical system

It is always possible to open and close the door manually

In emergency situation the normal handle is used to open the door

The door will stop immediately if it encounters any object

System operates only at speed less than 5km/h

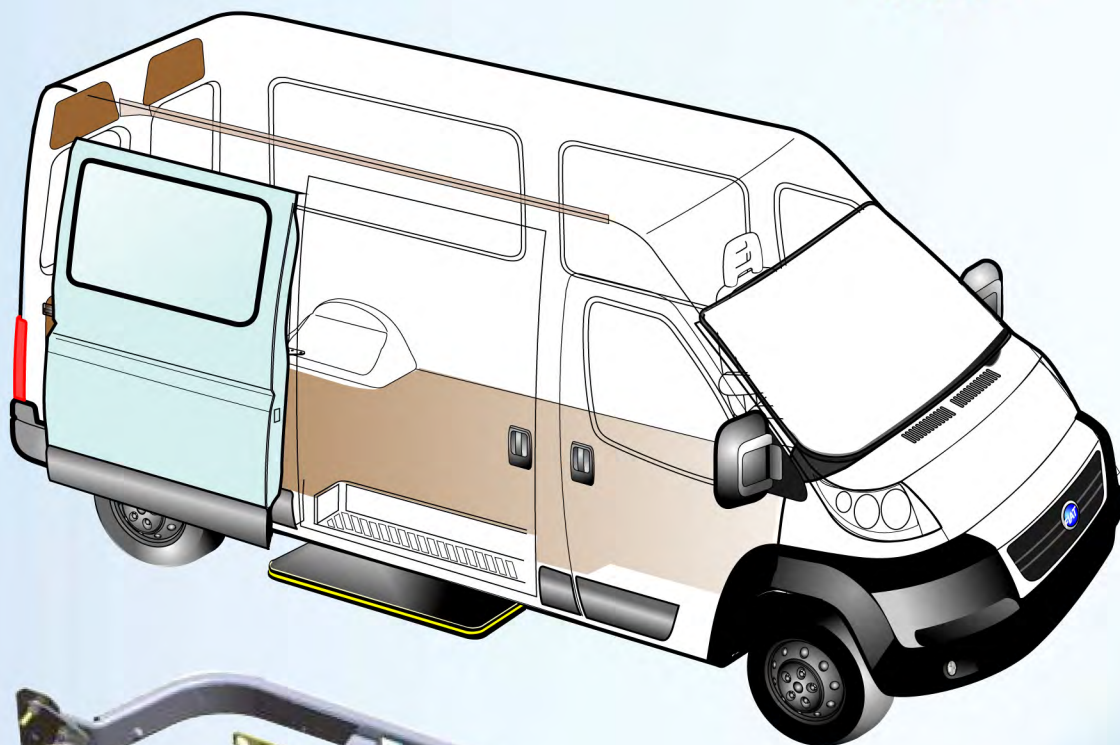
Weight – 15.7 kg

System compatibility

Manufacturer	Model	AutoCool PN
Mercedes	Sprinter LHD*	014-0002
	Sprinter LHD 1998-2006	014-0006-1
	Sprinter RHD*	014-0005
Volkswagen	Crafter LHR*	014-0002
	Crafter RHD*	014-0005
Ford	Transit LHR*	014-0003
Iveco	Daily LHR*	014-0001
Renault	Master LHR 2010	014-0008
Opel	Movano LHR 2010	014-0008

* All listed models from 2007

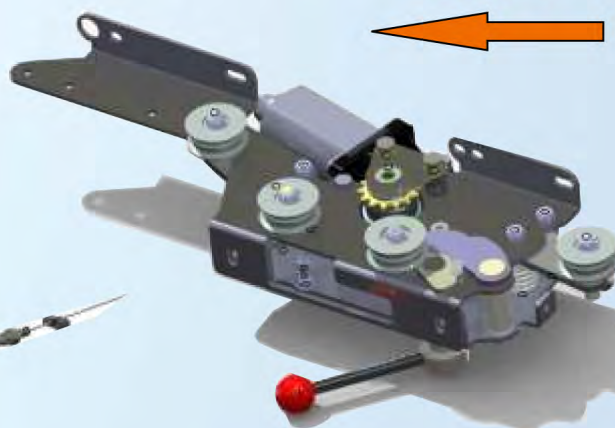
Automatic Sliding Door **ASD**



RHD



LHD



Automatic Sliding Door

**E-mark Approval
TÜV Approval**

Technical Data

System voltage – 12VDC

Nominal current - 5A

Operating temperature range -30 °C to 80 °C

Maximum vehicle permitted slope – 20 degrees

Duty Cycle – 550,000 ±10,000 (open/close cycles)

Electrical motor – DC with gear assembly

Electronic Control Unit

Controls all door functions

Automatic control in both directions

Door may be partly opened

Remote Control Unit

Safety

Pneumatic strip & switch overload protection

Internal Emergency Handle for manual operation (standard)

External Emergency Handle (supplied for vehicles from 9 passengers)

System operates only at speed of less than 5 km/h.

Drive Chain - special, nickel plated, P=8mm

Wheels - plastic delrin with bearing

Tensioning springs – high quality steel

Weight – 7 kg

Automatic Sliding Doors (ASD) - LHD

System Compatibility

Manufacturer	Model	ASD Type	AutoCool PN
Fiat	Ducato L2,L3,L4	*Single	015-0002
	Scudo L2		015-0008
	Scudo L1		015-0008-1
Ford	Transit LWB."Jumbo"460		015-0024
	Transit MWB;LWB		015-0001
	Transit SWB		015-0013
Mercedes	Sprinter		015-0003
	Vito LWB; Viano		015-0017
Opel	Vivaro L1	*Single	015-0014
	Movano L2,L3,L4 2009	**Additional	015-0009
	Movano L2,L3,L4 2010	*Single	015-1009
Peugeot	Boxer L2,L3,L4	*Single	015-0002
	Expert L2		015-0008
	Expert L1		015-0008-1
Citroen	Jumper L2,L3,L4	*Single	015-0002
	Jumpy L2		015-0008
	Jumpy L1		015-0008-1
Renault	Trafic L1	*Single	015-0014
	Master L2,L3,L4 2009	**Additional	015-0009
	Master L2,L3,L4 2010	*Single	015-1009
Volkswagen	Crafter	*Single	015-0003
	T5 LWB		015-0004
	T5 SWB		015-0012
	Caddy Maxi (Window Van)		015-0019
Toyota	Hiace L2		015-0015
Chevrolet	Savana		011-00-018
Iveco	Daily	**Additional	015-0016
Hyundai	i-800	*Single	015-0021

All listed models from 2007

- * **Single** - One mechanism for operating and locking the system door
- ** **Additional** upper lock mechanism

Automatic Sliding Doors (ASD) - RHD

System Compatibility

Manufacturer	Model	ASD Type	AutoCool PN
Fiat	Ducato L2-L4	*Single	015-0002-L
	Scudo L1		015-0006
	Scudo L2		015-0005
Ford	Transit MWB;LWB		015-0001-L
Mercedes	Sprinter		015-0003-L
	Vito LWB		015-0007
Opel	Movano L2,L3,L4 2009	**Additional	015-0011
	Movano L2,L3,L4 2010	*Single	015-1011
Peugeot	Boxer L2-L4	*Single	015-0002-L
	Expert L1		015-0006
	Expert L2		015-0005
Renault	Master L2-L4	**Additional	015-0011
	Master L2,L3,L4 2010	*Single	015-1011
Citroen	Jumper L2,L3,L4	*Single	015-0002-L
	Jumpy L2		015-0005
	Jumpy L1		015-0006
Volkswagen	Crafter		015-0003-L
	T5 LWB		015-0004-L
	Caddy Maxi (Window van)		015-0019L
Iveco	Daily	**Additional	015-0016-L
Hyundai	i-800	*Single	015-0022

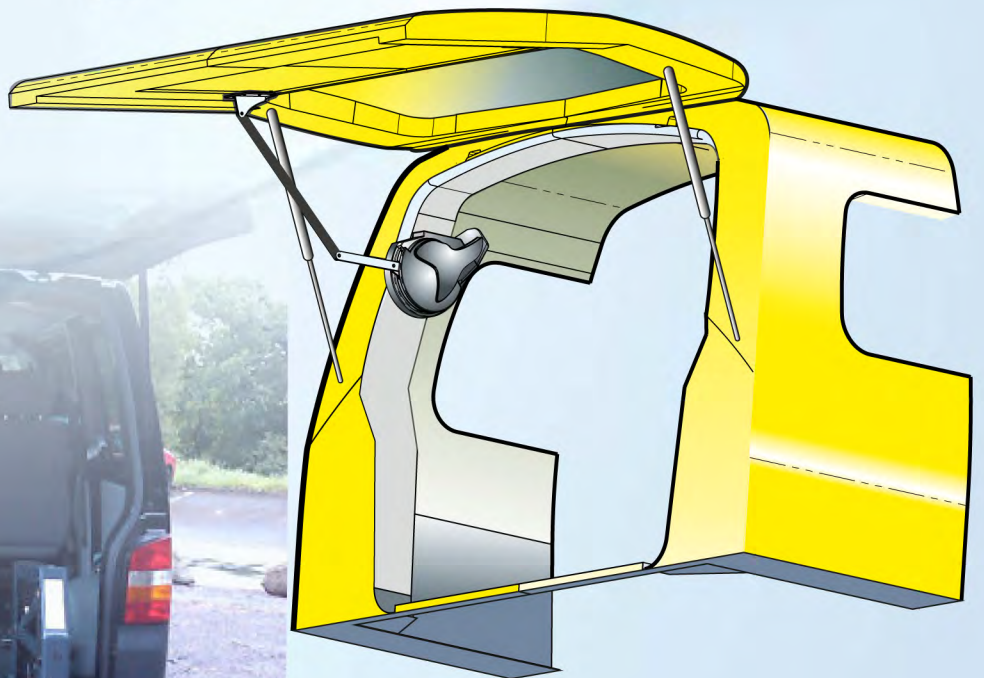
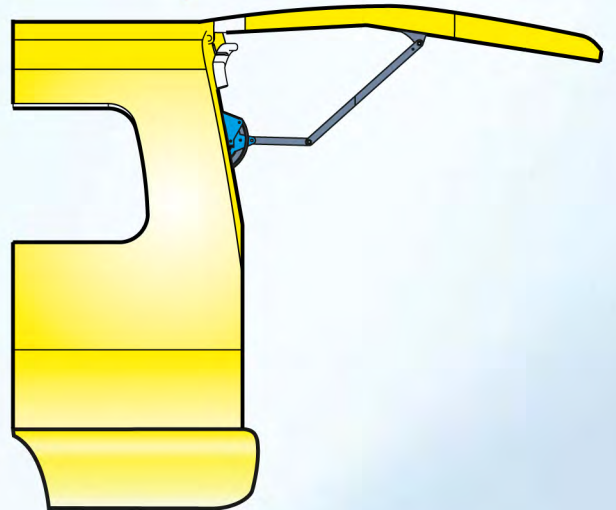
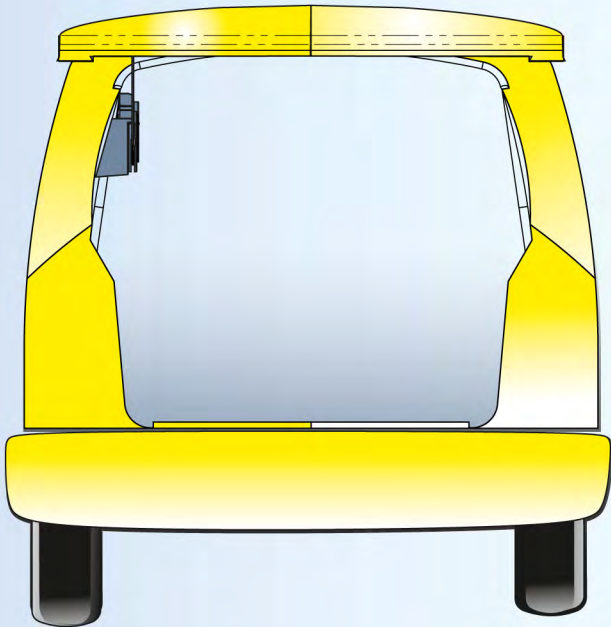
All listed models from 2007

- * **Single** - One mechanism for operating and locking the system door
- ** **Additional** upper lock mechanism

Automatic Axial Door (Tailgate)

AAD(TG)

New



Your Cool Partner
Auto Cool IND. LTD.

www.csv.com.au

Automatic Tailgate

New

Technical Data

System voltage – 12VDC

Nominal current - 3A

Operating temperature range from -30°C to 80°C

Maximum vehicle permitted slope ± 20 degrees

Duty cycle – 500,000 \pm 10,000 (open/close cycles)

Electrical motor – DC with gear assembly

Electronic Control Unit

Automatic control in both directions

Manual control

Remote controller

Safety

Electronic controller with safety features

Door operation is not limited by the electrical system

It is always possible to open and close the door manually

In emergency situation the normal handle is used to open the door

The door will stop immediately if it encounters any object

System operates only at speed less than 5km/h

Weight – 5.5 kg

System compatibility

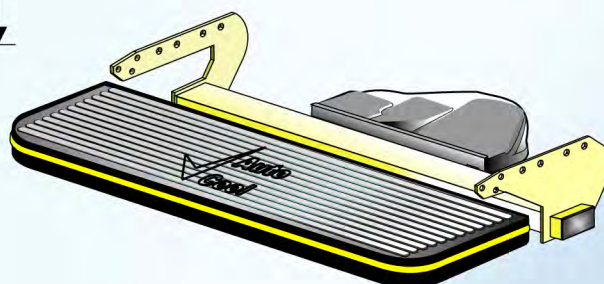
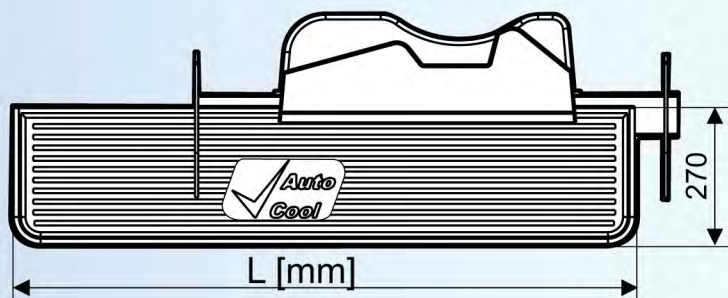
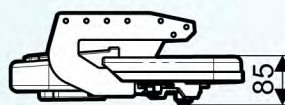
Manufacturer	Model	AutoCool PN	
Volkswagen	T-5	017-0001L	Left side
	T-5	017-0001R	Right side

Step Systems

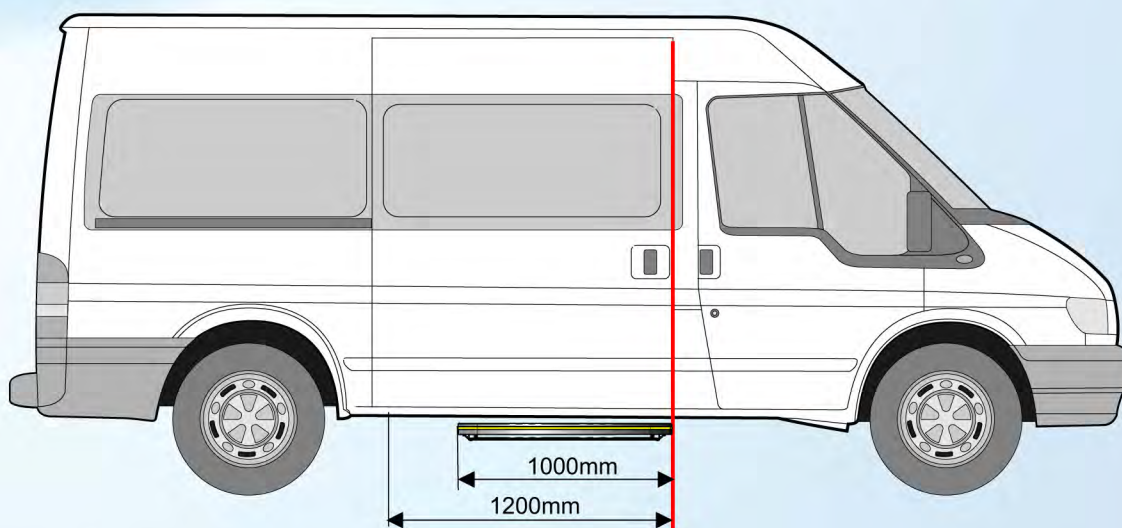
Electrically Operated
Mechanically Operated

ES - Electrical Step

Parallel (Heavy duty)
LHD vehicles



Part Number (Without brackets)	L [mm]
012-10-1000	1000
012-10-1200	1200



ES - Electrical Step

Parallel 1000mm (model P-1000)
LHD vehicles

PN: 012-00-1000 (without brackets)

<i>Manufacturer</i>	<i>Model</i>	<i>PN (Step+brackets)</i>	<i>PN (Brackets only)</i>
Mercedes	Sprinter	128-58251-42	160-58251-41
	Sprinter (Model1998-2006)	016-1002	160-58-251
Volkswagen	LT 35\46 (Model1998-2006)	016-1002	160-58-251
	Crafter	128-58251-42	160-58251-41
Fiat	Ducato L1,L2,L3,L4	016-1003	160-16-0003
Renault	Master L1,L2,L3,L4 (Model 2003-2009)	016-1001	160-01-009
Citroen	Jumper L1,L2,L3,L4	016-1003	160-16-0003
Peugeot	Boxer L1,L2,L3,L4	016-1003	160-16-0003
Chevrolet	Savana	016-1009	160-01-946
Ford	Transit RWD- MWB; LWB	016-0007	160-00-001
	Transit FWD- MWB; LWB	016-0007-1	160-99-001
Iveco	Daily	016-1005	160-00-006

All listed models from 2007

ES - Electrical Step

Parallel 1200mm (model P-1200)
LHD vehicles

<i>Manufacturer</i>	<i>Model</i>	<i>PN (Step+brackets)</i>	<i>PN (Brackets only)</i>
Mercedes	Sprinter	128-58251-41	160-58251-41
	Sprinter (Model1998-2006)	012-00-004-1	160-58-251
Volkswagen	LT 35\46 (Model1998-2006)	012-00-004-1	160-58-251
	Crafter	128-58251-41	160-58251-41
Fiat	Ducato L2,L3,L4	016-0003	160-16-0003
Renault	Master L2,L3,L4	128-58251-2	160-01-009
Citroen	Jumper L2,L3,L4	016-0003	160-16-0003
Peugeot	Boxer L2,L3,L4	016-0003	160-16-0003
Chevrolet	Savana	128-58251-10	160-01-946
Ford	Transit RWD- MWB; LWB	016-1207	160-00-001
	Transit FWD- MWB; LWB	012-00-004-2	160-99-001
Iveco	Daily	016-1205	160-00-006

All listed models from 2007

Electrically Operated Parallel Step Heavy Duty

**E-mark Approval
TÜV Approval**

Technical Data

System voltage – 12VDC

Nominal current - 3A

Operating temperature range -30°C to 80°C

Duty cycle – 750,000 ±10,000 (open/close cycles)

Electrical motor – DC with gear assembly

Protection – IP68 (waterproof)

Automatic Electronic Control Unit

Safety Devices

Electronic Limit Protection

Overload Protection

Step width –1000; 1200 (mm)

Step depth – 270 mm

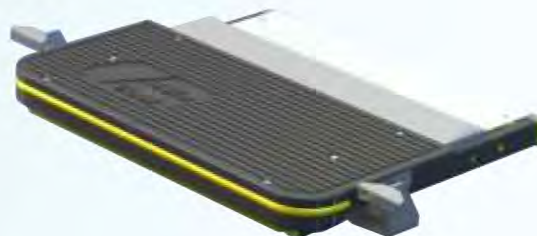
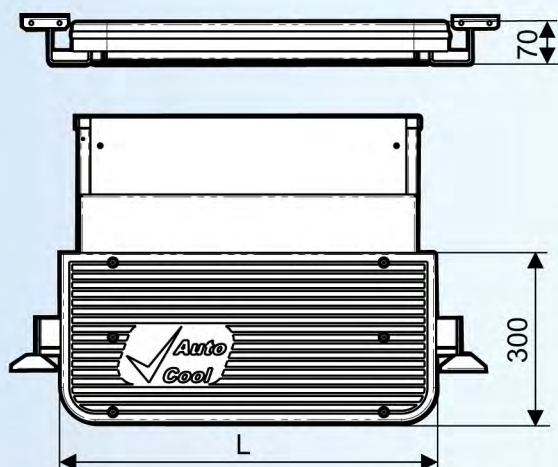
Anti slip polyurethane cover

Net weight (without brackets) – 33; 35.5 (kg)

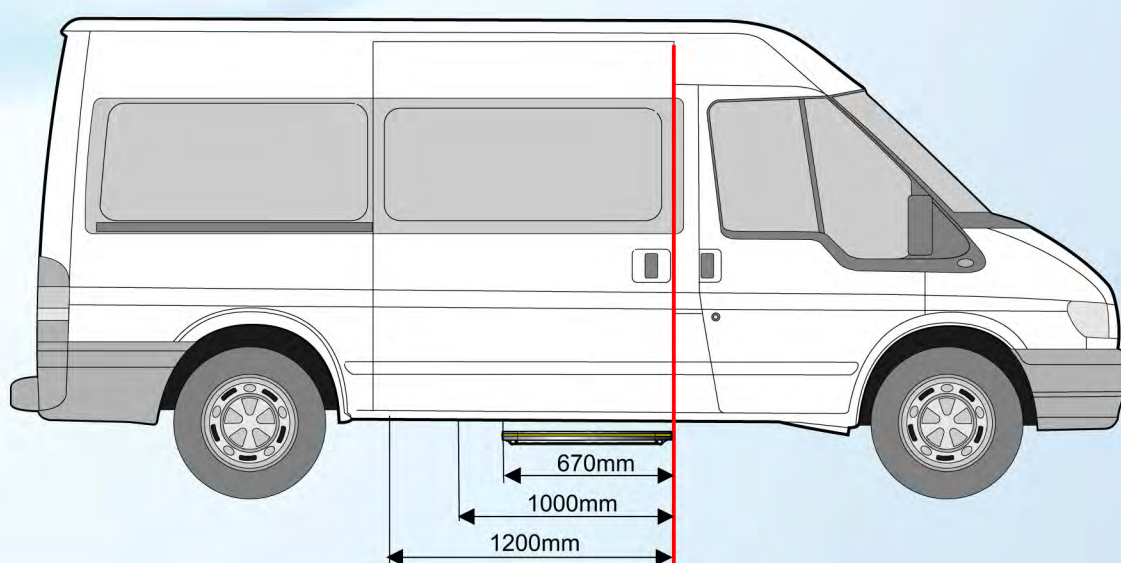
ES - Electrical Step

Telescopic (Heavy duty)

LHD vehicles



Part Number (Without brackets)	L [mm]
016-0004	670
016-0005	1000
016-0006	1200



ES - Electrical Step

Telescopic 670mm (model T-670)

LHD vehicles

(To be fitted under a sliding door)

<i>Manufacturer</i>	<i>Model</i>	<i>PN (Step+brackets)</i>	<i>PN (Brackets only)</i>
Mercedes	Sprinter	016-0004-1	160-99-001A
Volkswagen	Crafter	016-0004-1	160-99-001A
Fiat	Ducato L1,L2,L3,L4	016-0004-7	160-16-407
Renault	Trafic L1; L2	016-0004-6	128-99-003
Citroen	Jumper L1-L4	016-0004-7	160-16-407
Peugeot	Boxer L1-L4	016-0004-7	160-16-407
Ford	Transit RWD- MWB; LWB	016-0004-4	128-99-001
	Transit FWD- MWB; LWB	016-0004-41	160-16-4031

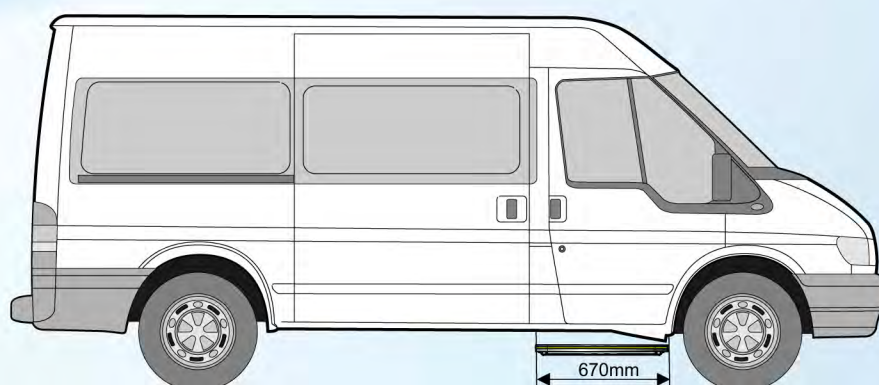
ES - Electrical Step

Telescopic 670mm (model T-670)

LHD vehicles

(To be fitted under the front right door)

<i>Manufacturer</i>	<i>Model</i>	<i>PN (Step+brackets)</i>	<i>PN (Brackets only)</i>
Mercedes	Sprinter	016-0004-5	128-99-002
Volkswagen	Crafter	016-0004-5	128-99-002
Renault	Master 2010	016-0004-9	160-16-409
Ford	Transit RWD	016-0004-42	160-16-442
Iveco	Daily	016-0004-2	160-99-002
Opel	Movano 2010	016-0004-9	160-16-409



All listed models from 2007

ES - Electrical Step

Telescopic 1000mm (model T-1000)

LHD vehicles

(To be fitted under a sliding door)

<i>Manufacturer</i>	<i>Model</i>	<i>PN (Step+brackets)</i>	<i>PN (Brackets only)</i>
Mercedes	Sprinter	016-0005-10	160-99-001B
	Sprinter (Blue Tank)	016-0005-1B	160-16-61B
	Sprinter (Model1998-2006)	016-0005-2	160-16-502
Volkswagen	Crafter	016-0005-10	160-99-001B
	Crafter (Blue Tank)	016-0005-1B	160-16-61B
	LT35/46 (Model1998-2006)	016-0005-2	160-16-502
	Transporter	016-0005-4	160-16-540
Fiat	Ducato L1,L2,L3,L4	016-0005-5	160-16-407
Iveco	Daily	016-0006-5	160-99-004
Citroen	Jumper L1-L4	016-0005-5	160-16-407
Peugeot	Boxer L1-L4	016-0005-5	160-16-407
Ford	Transit RWD; MWB, LWB	016-0005-3	160-16-503
	Transit FWD; MWB,LWB	016-0005-31	160-16-5031
Renault	Master 2010	016-0005-9	160-16-590
Opel	Movano 2010	016-0005-9	160-16-590

All listed models from 2007

ES - Electrical Step

Telescopic 1200mm (model T-1200)
LHD vehicles

(To be fitted under a sliding door)

Manufacturer	Model	PN (Step+brackets)	PN (Brackets only)
Mercedes	Sprinter	016-0006-1	160-99-001C
	Sprinter (Blue Tank)	016-0006-1B	160-16-61B
Volkswagen	Crafter	016-0006-1	160-99-001C
	Crafter (Blue Tank)	016-0006-1B	160-16-61B
Fiat	Ducato L2,L3,L4	016-0006-3	160-16-407
Iveco	Daily	016-0006-4	160-99-004
Citroen	Jumper L2,L3,L4	016-0006-3	160-16-407
Peugeot	Boxer L2-L4	016-0006-3	160-16-407
Ford	Transit RWD MWB, LWB	016-0006-2	160-99-602
	Transit FWD MWB, LWB	016-0006-31	160-16-6031
Chevrolet	Savana	016-0006-7	160-99-607
Renault	Master 2010	016-0006-9	160-16-590
Opel	Movano 2010	016-0006-9	160-16-590

All listed models from 2007

Electrically Operated Telescopic Step Heavy Duty

E-mark Approval
TÜV Approval

Technical Data

System voltage – 12VDC

Nominal current - 3A

Operating temperature range -30°C to 80°C

Duty cycle – 750,000 ±10,000 (open/close cycles)

Electrical motor – DC motor with gear assembly

Protection – IP68 (waterproof)

Direction of rotation – L/R

Automatic Electronic Control Unit

Electronic circuit protection

Safety Devices

Electronic limit protection

Overload protection

Step width – 670; 1000; 1200 (mm)

Step depth – 300 mm

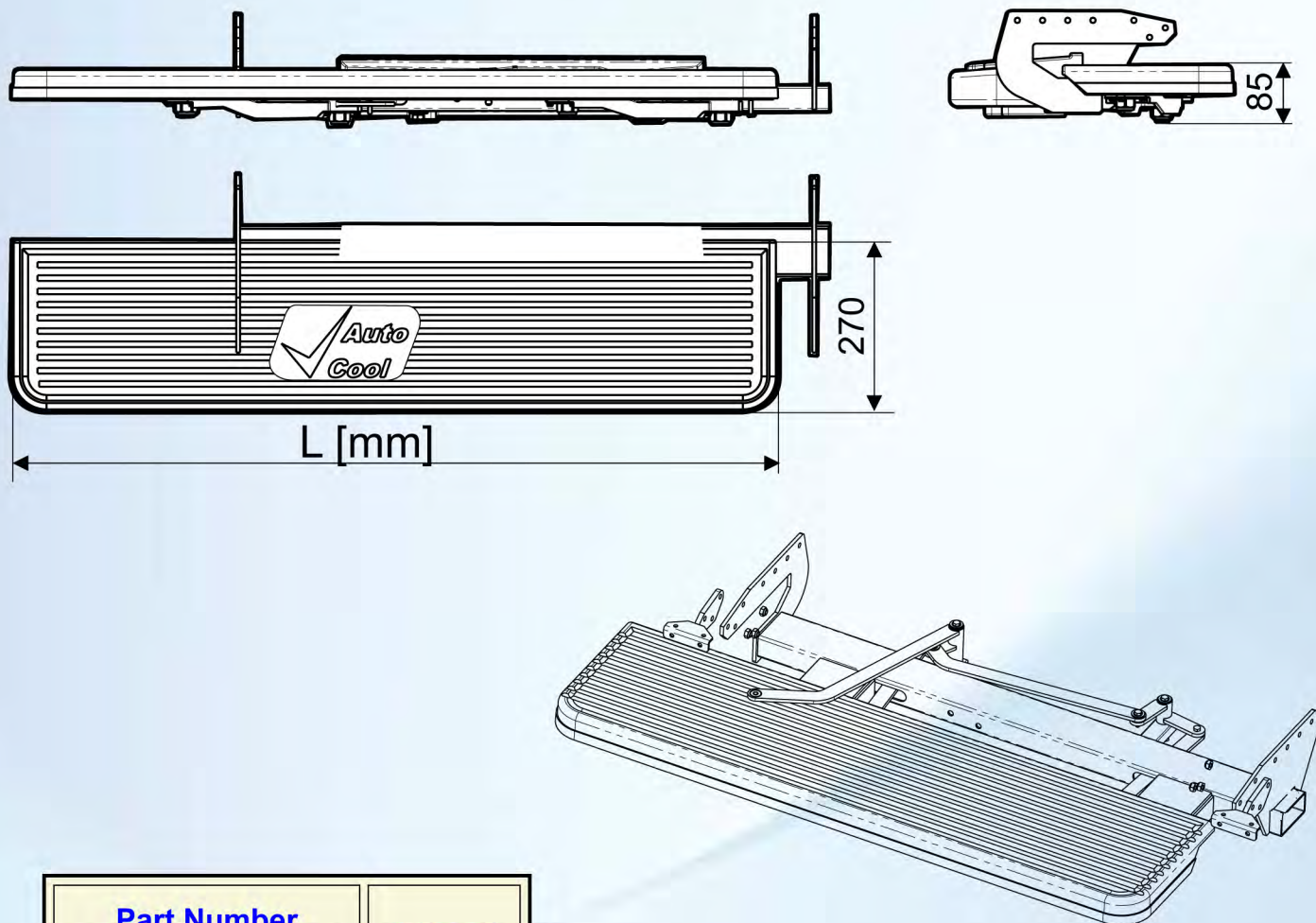
Anti slip polyurethane cover

Net weight (without brackets)– 20; 22; 24 (kg)

MS - Mechanical Step

Parallel (Heavy duty)

LHD vehicles



Part Number (Without brackets)	L [mm]
013-00-1000	1000
013-00-1200	1200

Step width – 1000; 1200 (mm)

Step depth – 270 mm

Anti slip polyurethane cover

Net weight (without brackets) – 31; 34.5 (kg)

MS - Mechanical Step

Parallel (Heavy duty)
model M-1000 / M-1200
LHD vehicles

Manufacturer	Model	PN (Step+brackets)	PN (Brackets only)
Mercedes	Sprinter	012-00-004 (1200mm)	160-013-001
		013-00-1000-1 (1000mm)	
Volkswagen	Crafter	012-00-004 (1200mm)	160-013-001
		013-00-1000-1 (1000mm)	
Renault	Master 2009	013-00-003 (1200mm)	160-13-650
		013-1001 (1000mm)	
Fiat	Ducato	013-00-002 (1200mm)	160-013-003
		013-1002 (1000mm)	
Citroen	Jumper	013-00-002 (1200mm)	160-013-003
		013-1002 (1000mm)	
Peugeot	Boxer	013-00-002 (1200mm)	160-013-003
		013-1002 (1000mm)	
Ford	Transit RWD MWB,LWB	128-582510 (1200mm)	160-13-510
		013-1003 (1000mm)	
	Transit FWD MWB,LWB	012-00-003 (1200mm)	160-013-000
		013-1004 (1000mm)	
	Transit FWD SWB	013-1005 Step 1000 only PN: 013-02-1000	160-013-002


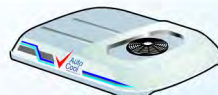

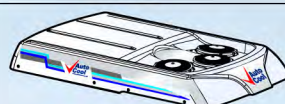
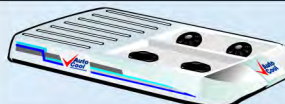

All listed models from 2007

Air Conditioning Products

- ✧ *Roof Top AC Units*
- ✧ *Split AC Units*
- ✧ *AC Evaporator Units*
- ✧ *HVAC AC Units*
- ✧ *Integrated AC Units*
- ✧ *AC Condenser Units*

Air Conditioning Systems

Roof Top Units

N	Description	Capacity				Air Flow (m³/h) *	Current Consumption (A)	Net Weight (kg)	Figure
		Cooling		Heating (option)					
		(BTU/h)	(kW)	(BTU/h)	(kW)				
1	AC-750	25,500	7.5	-----	-----	1000	14	25	
2	AC-3000	34,000	10	22,800	6.7	2000	27	36	
3	AC-3500	40,800	12	22,800	6.7	2000	34	38	
4	AC-4000	51,000	15	34,200	10.7	2260	42	42	
5	AC-5000	64,600	19	43,300	12.7	3000	50.4	50.4	
6	AC-6000	74,800	22	-----	-----	3200	70	57	

Voltage 12VDC- Standard, 24V DC - Option

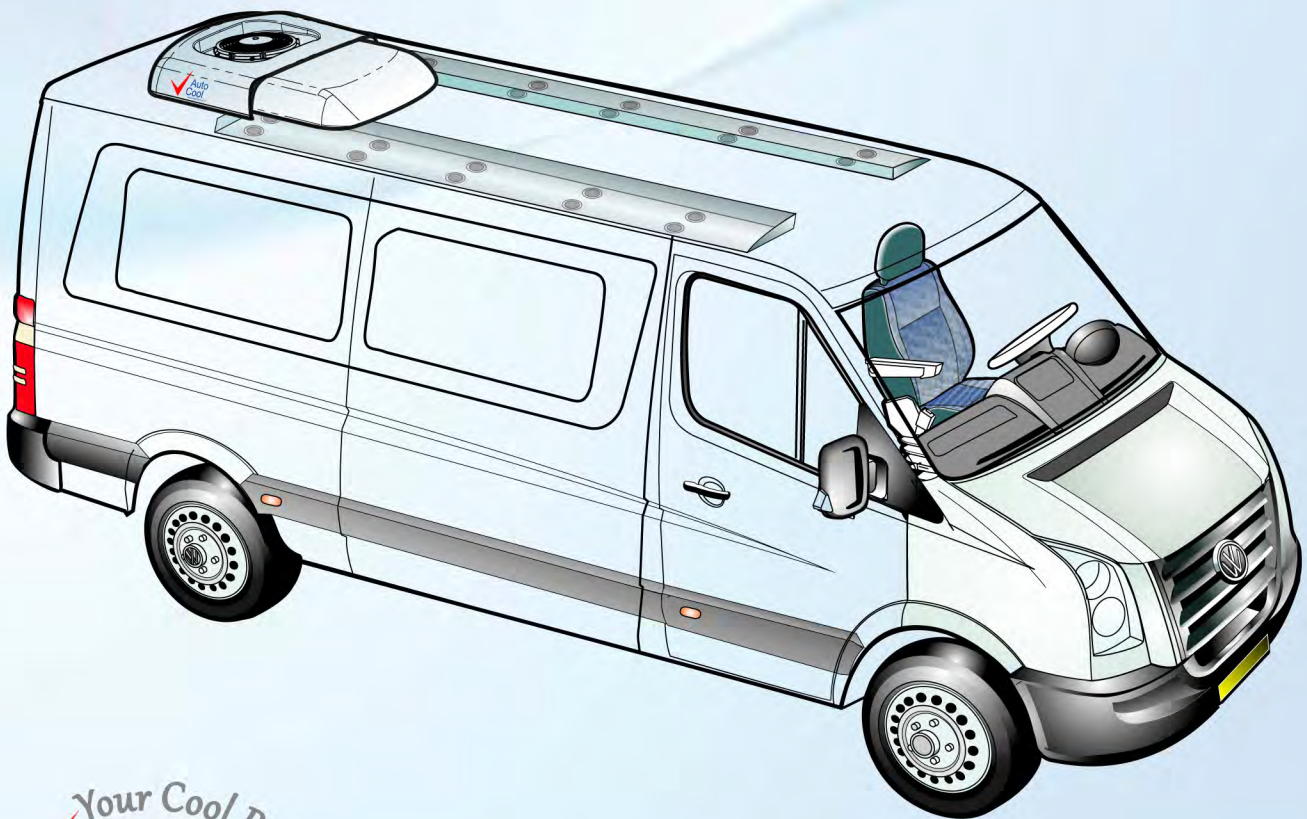
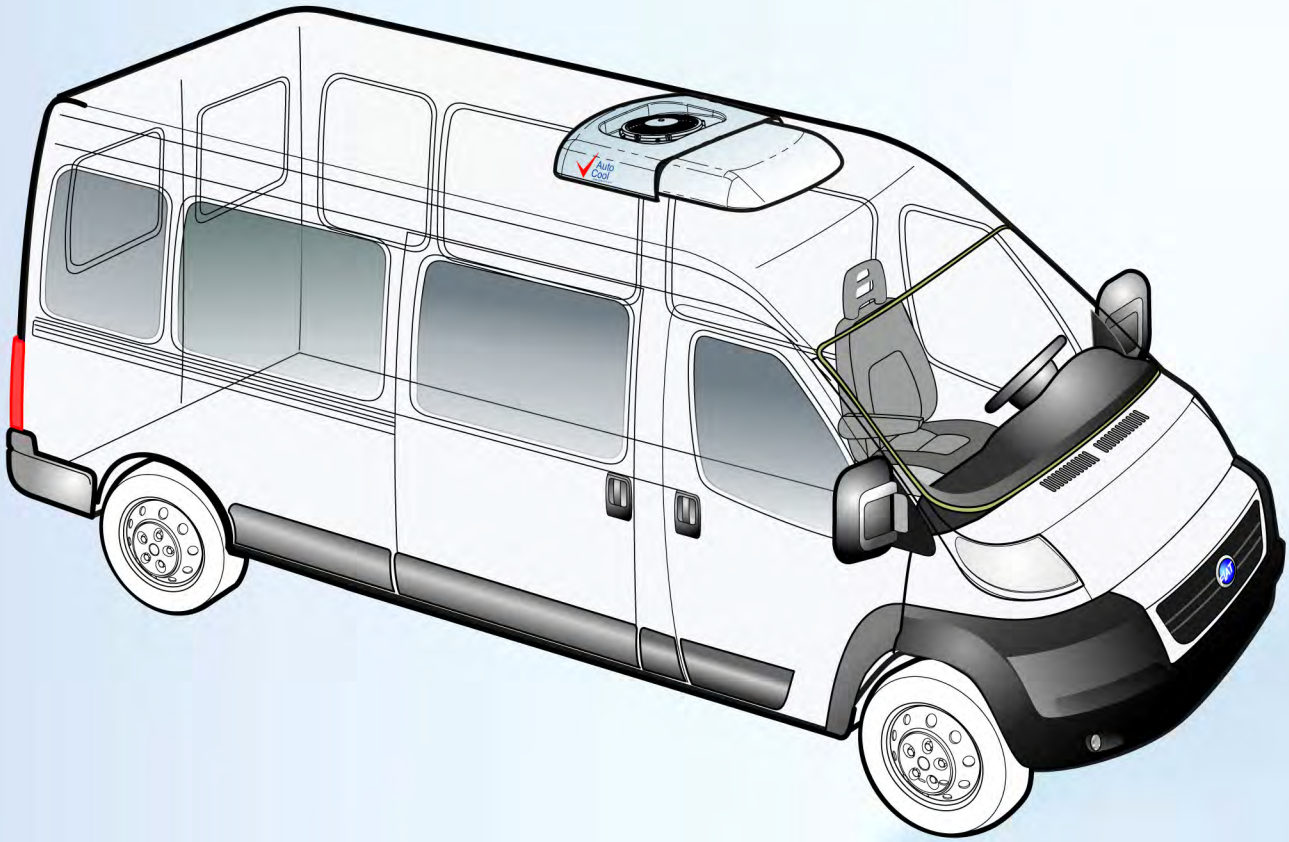
Engine kit can be supplied according to vehicle model (option)

Systems are available for Vehicles with or without original AC System

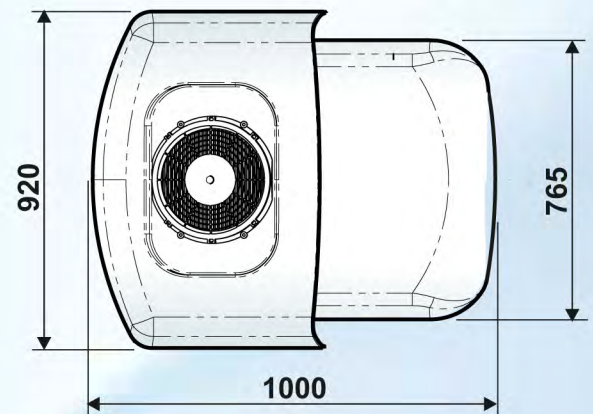
* At zero static pressure

Air Conditioning System

AC-750 *Roof Top Unit*



AC-750 Roof Top AC Unit



Compatible with the following vehicles:

Mercedes: Sprinter

Volkswagen Crafter

Citroen Jumper

Ford: Transit

Fiat Ducato

Opel: Movano include new model (2010)

Peugeot Boxer

Renault Master include new model (2010)

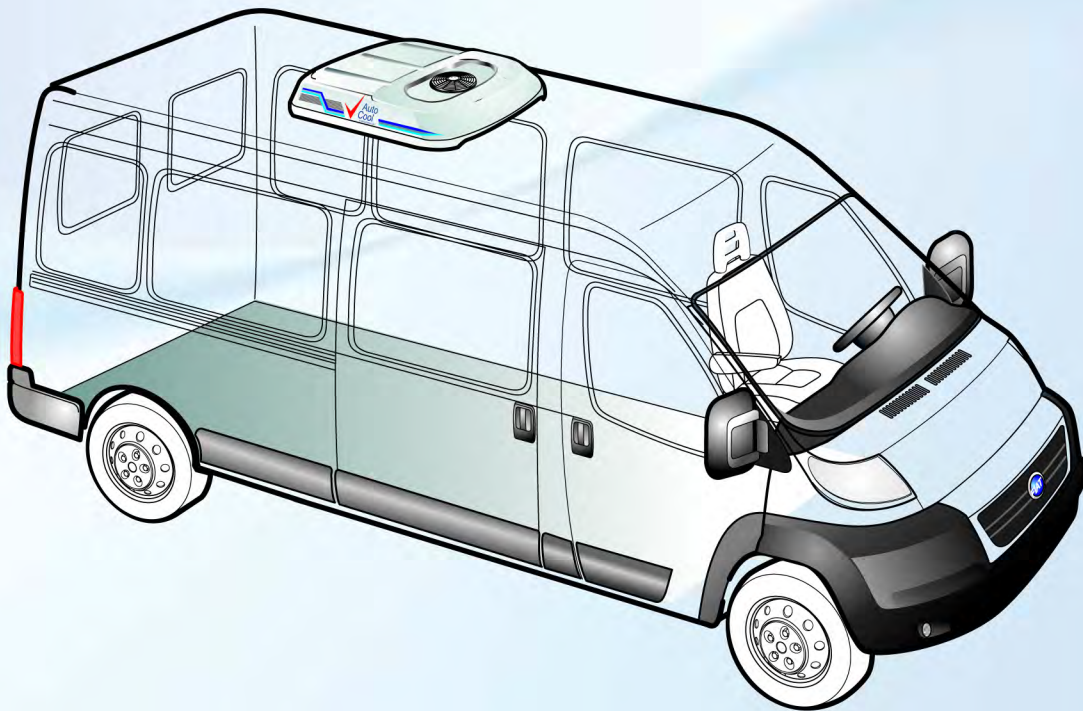
Iveco Daily

**System may be connected to the original compressors
To achieve the full specified cooling capacity, an additional
compressor is required.**

Electronic climate control device (option)

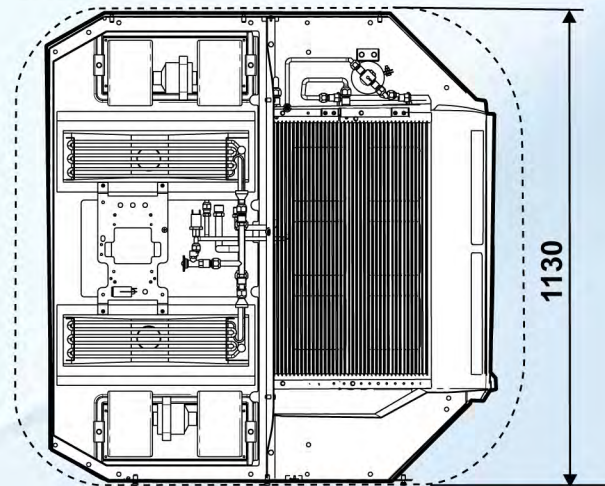
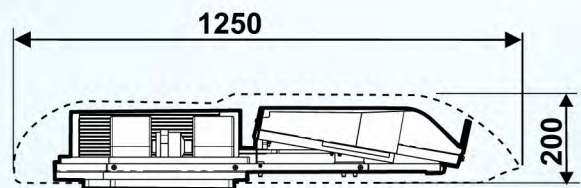
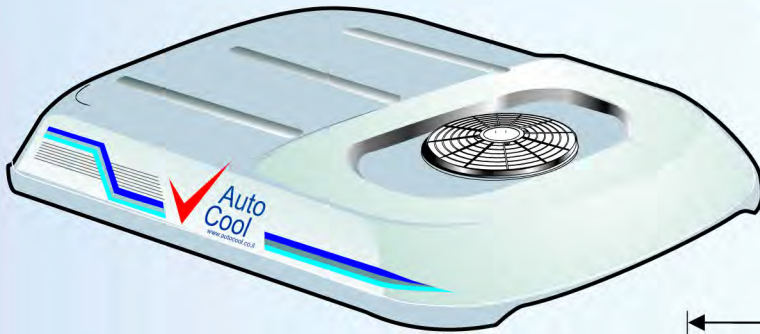
Air Conditioning System

AC-3000 *Roof Top Unit*



AC-3000 Roof Top AC Unit

E-mark Approval



Compatible with the following vehicles:

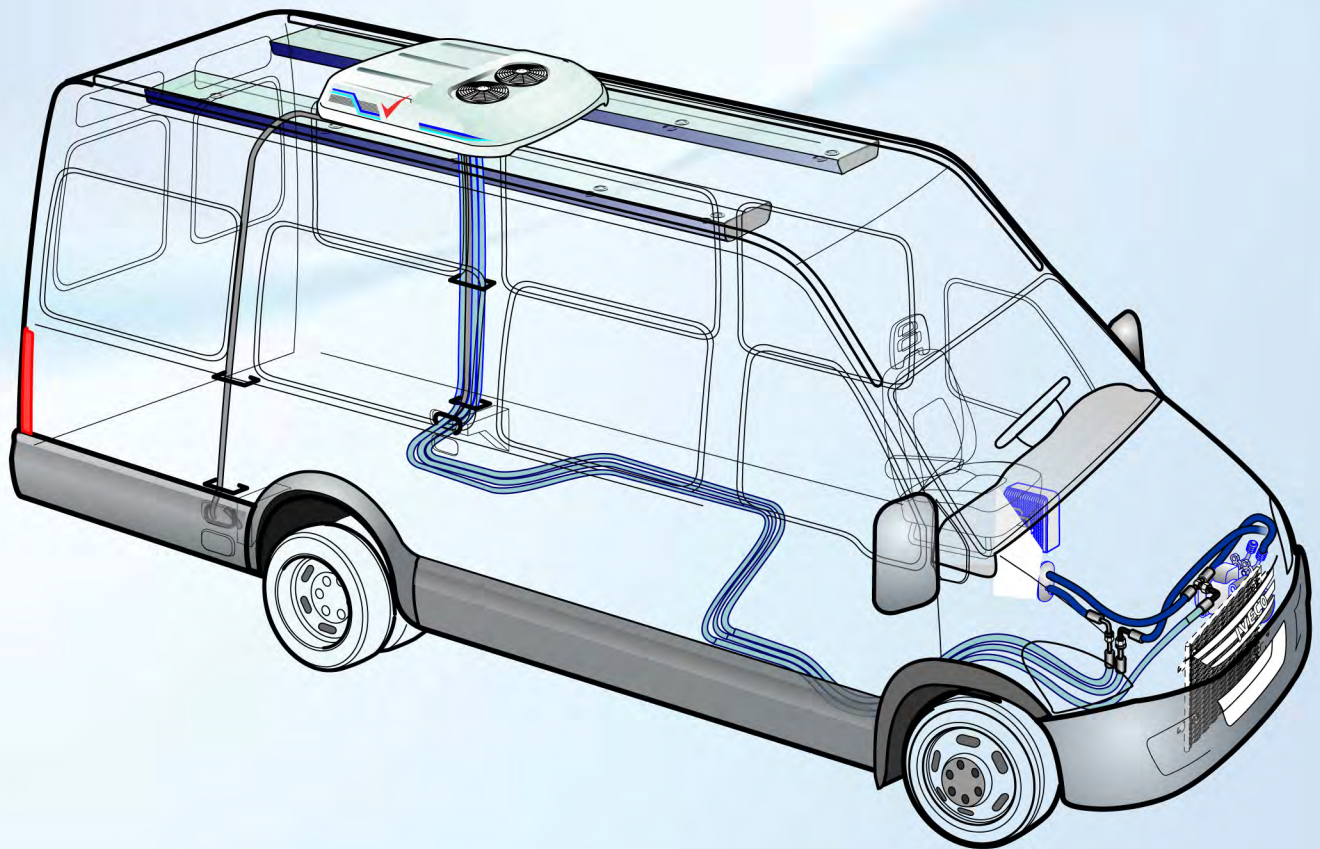
Mercedes: Sprinter
Volkswagen Crafter
Iveco Daily
Ford Transit 350, Jumbo
Fiat Ducato
Opel Movano include new model (2010)
Peugeot Boxer
Renault Master include new model (2010)

Heating kit (option)

System should be connected to the original compressor

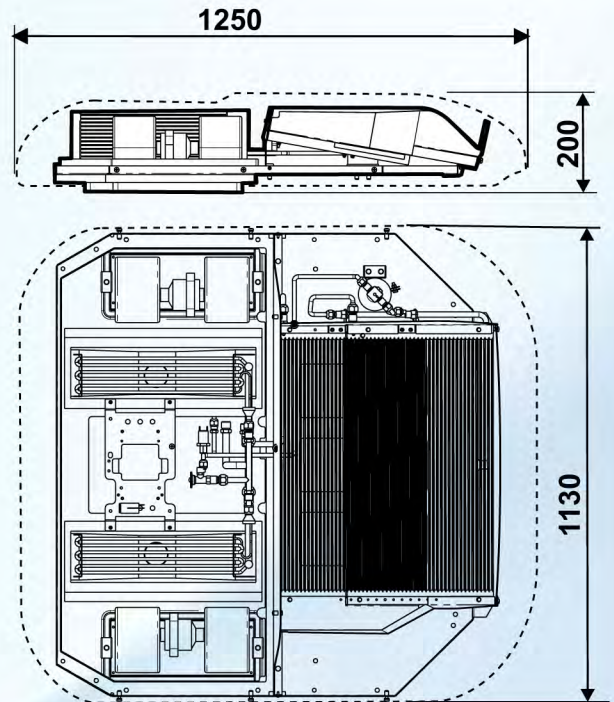
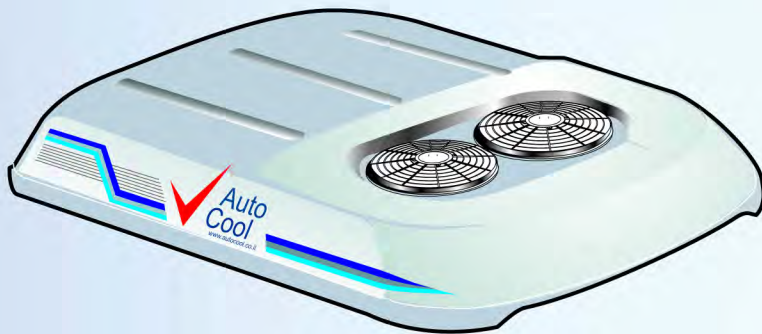
Air Conditioning System

AC-3500 **Roof Top Unit**



AC-3500 Roof Top AC Unit Dual Application Unit

E-mark Approval



Compatible with the following vehicles:

Mercedes: Sprinter
Volkswagen Crafter
Iveco Daily
Ford Jumbo
Peugeot Boxer Long
Fiat Ducato Long
Renault Master include new model (2010)
Opel Movano include new model (2010)

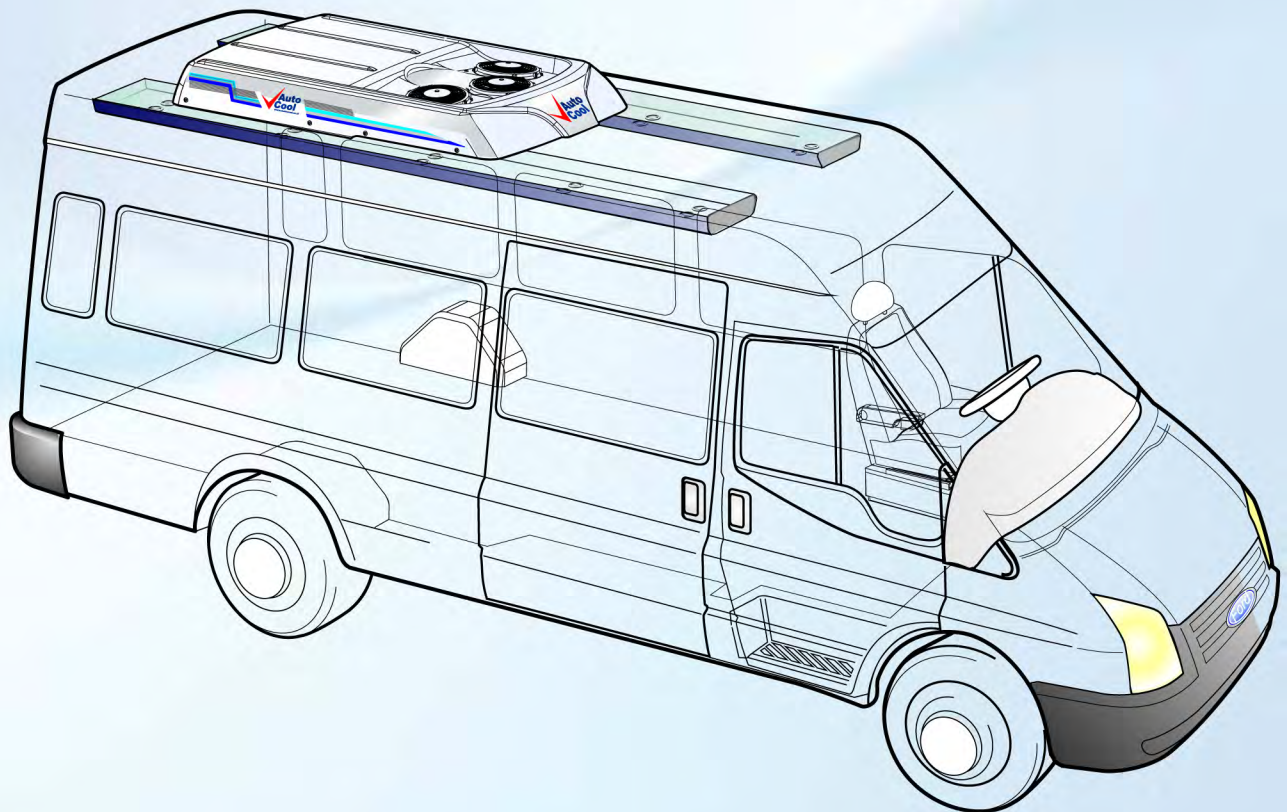
**System may be connected to the original compressor
To achieve the full specified cooling capacity, an additional
compressor is required**

**Electronic climate control device (option)
Engine kit (option)
Heating kit (option)**



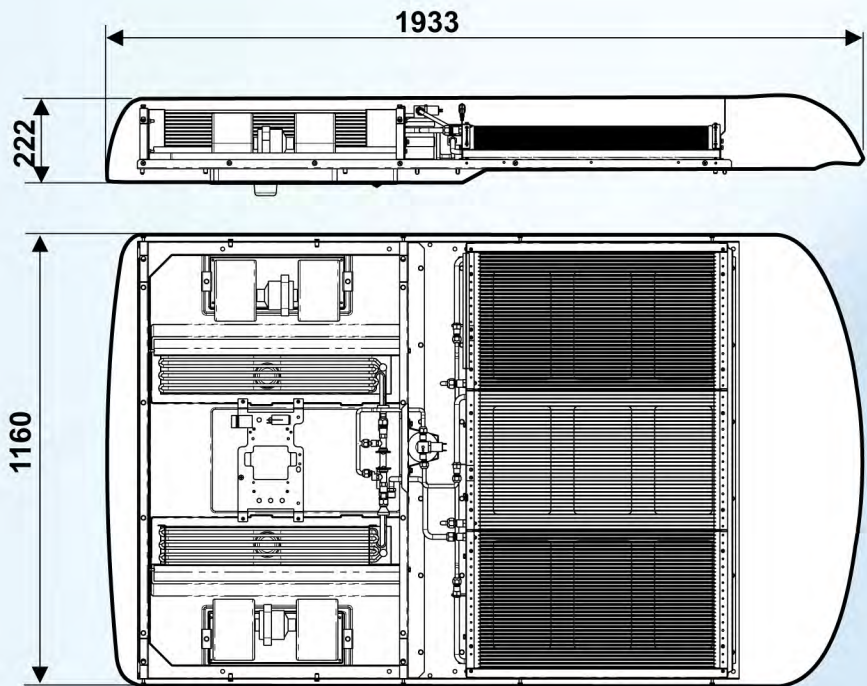
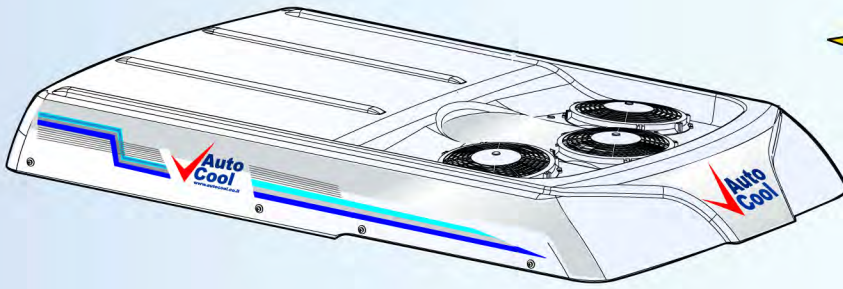
Air Conditioning System

AC-4000 **Roof Top Unit**



AC-4000 Roof Top AC Unit

E-mark Approval



Compatible with the following vehicles:

Mercedes: Sprinter, Vario

Volkswagen Crafter

Iveco Daily

Ford: Jumbo

Renault Master include new model (2010)

Opel Movano include new model (2010)

System is designed for an additional compressor
Electronic climate control system (standard)

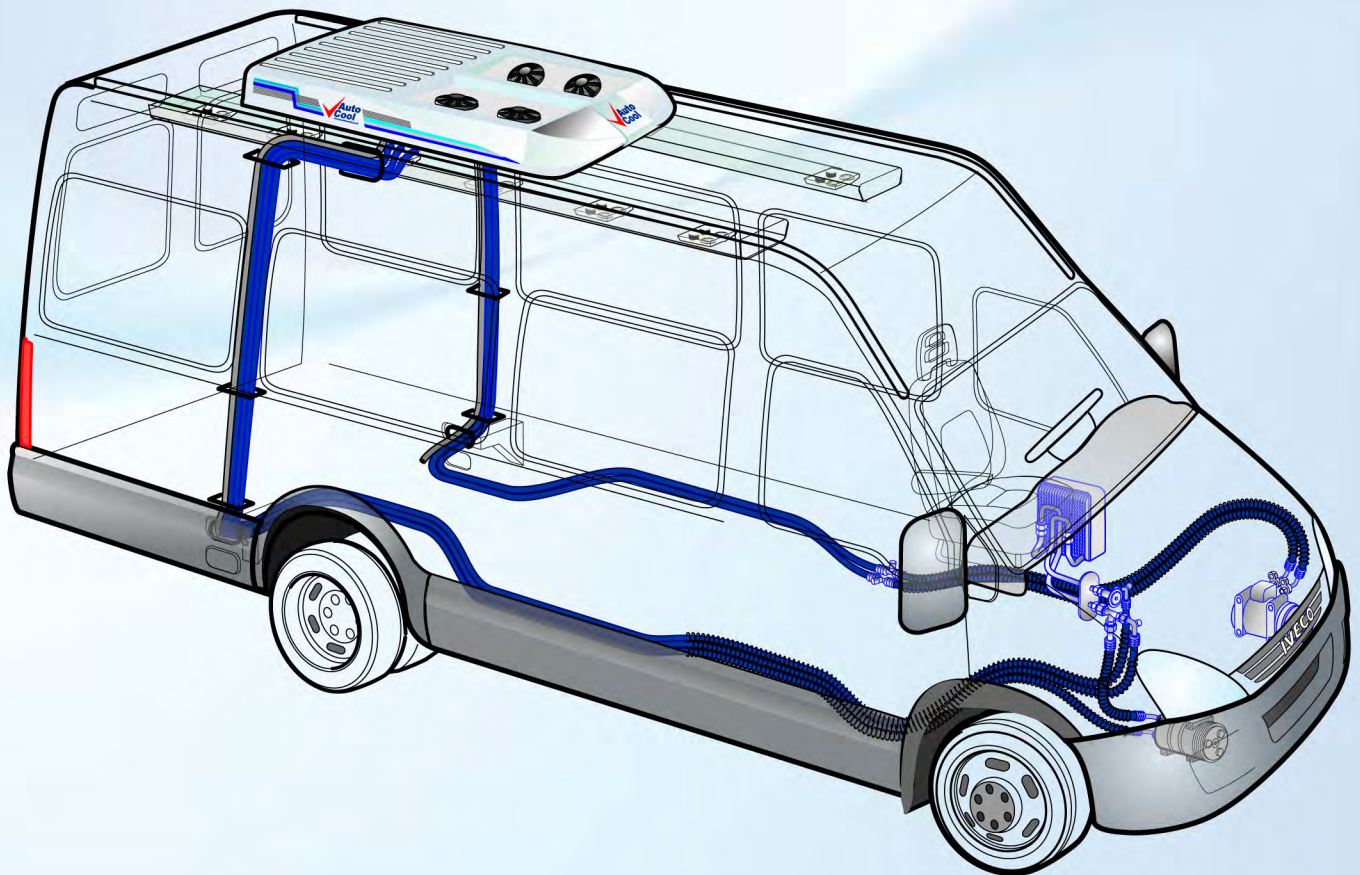
Engine kit (option)

Heating kit (option)



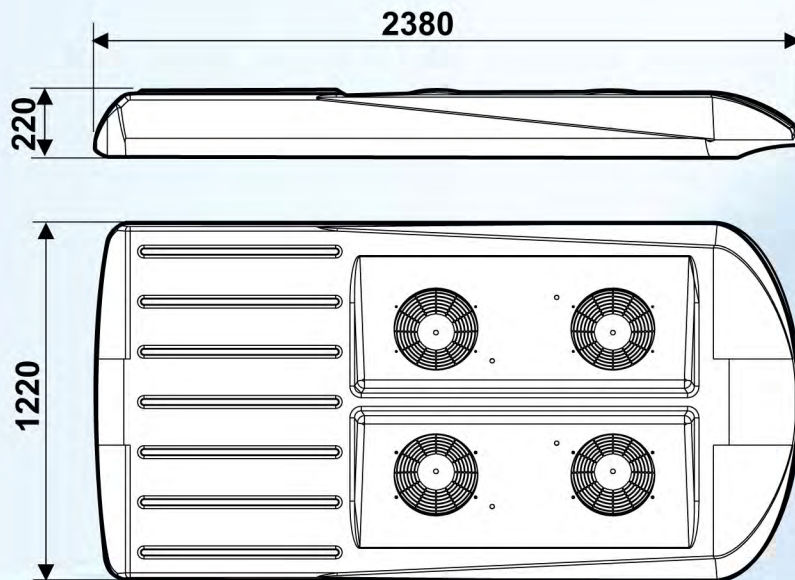
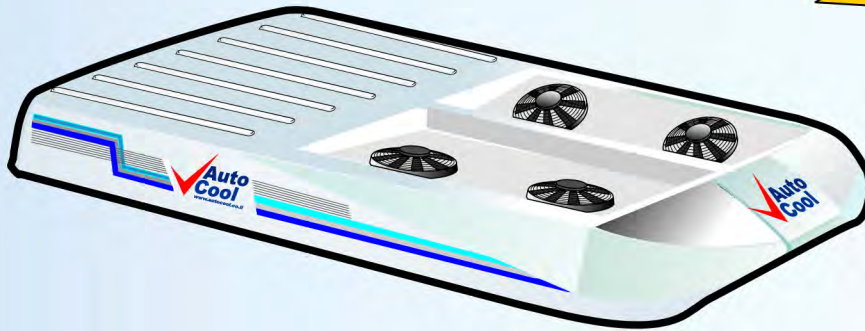
Air Conditioning System

AC-5000 **Roof Top Unit**



AC-5000 Roof Top AC Unit

E-mark Approval



Compatible with the following vehicles:

Iveco Daily

Mercedes: Sprinter, Vario

Volkswagen Crafter

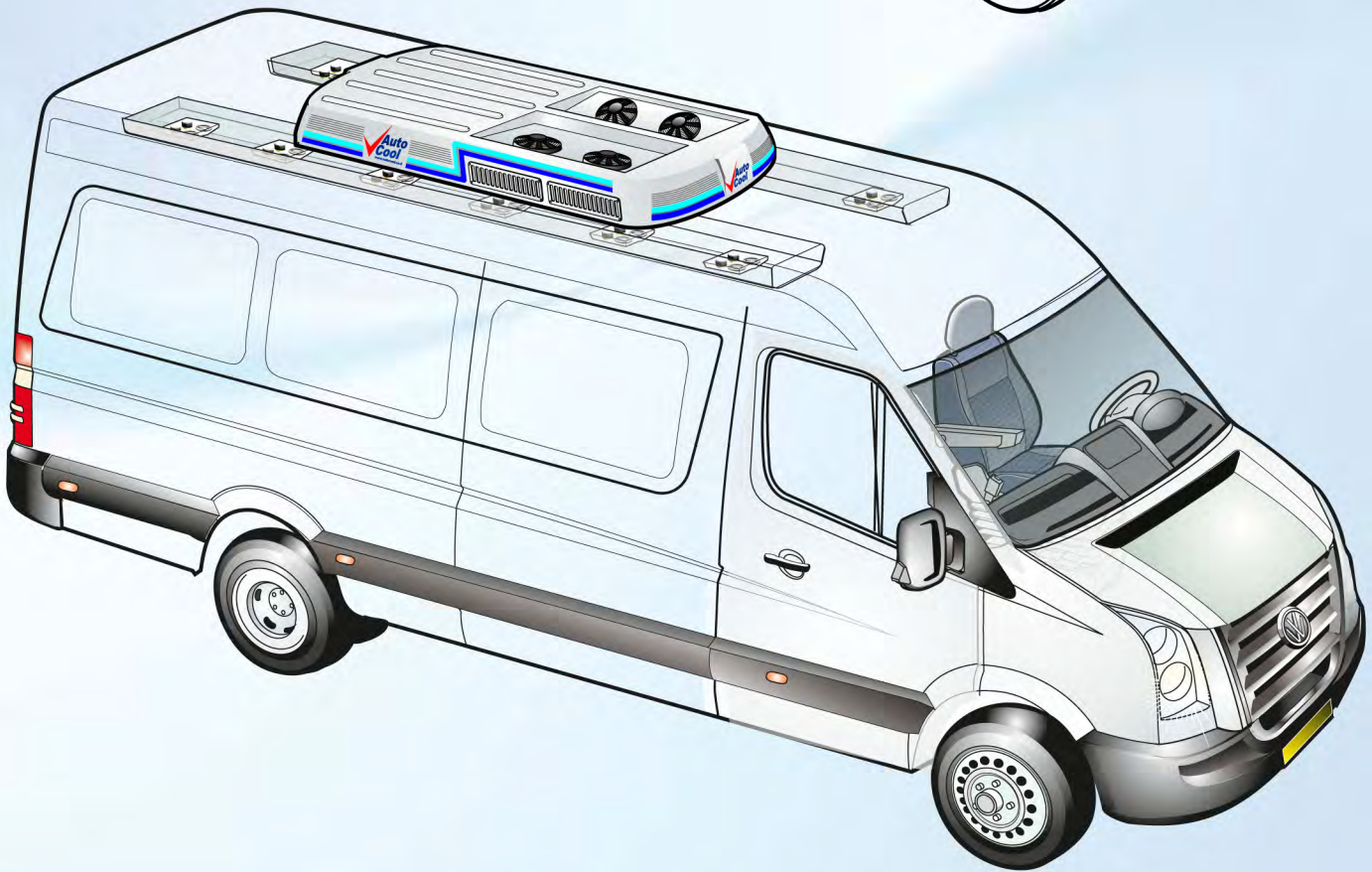
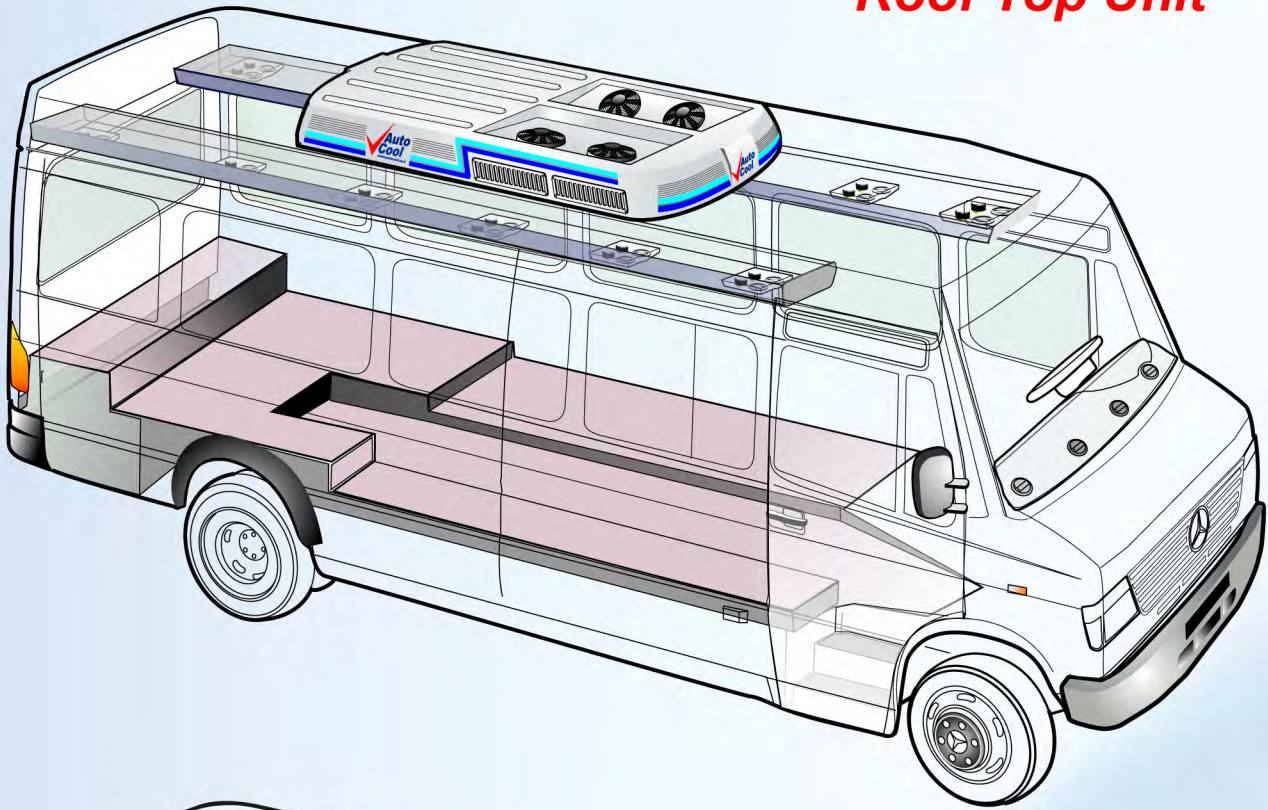
System is designed for an additional compressor

Heating kit (option)

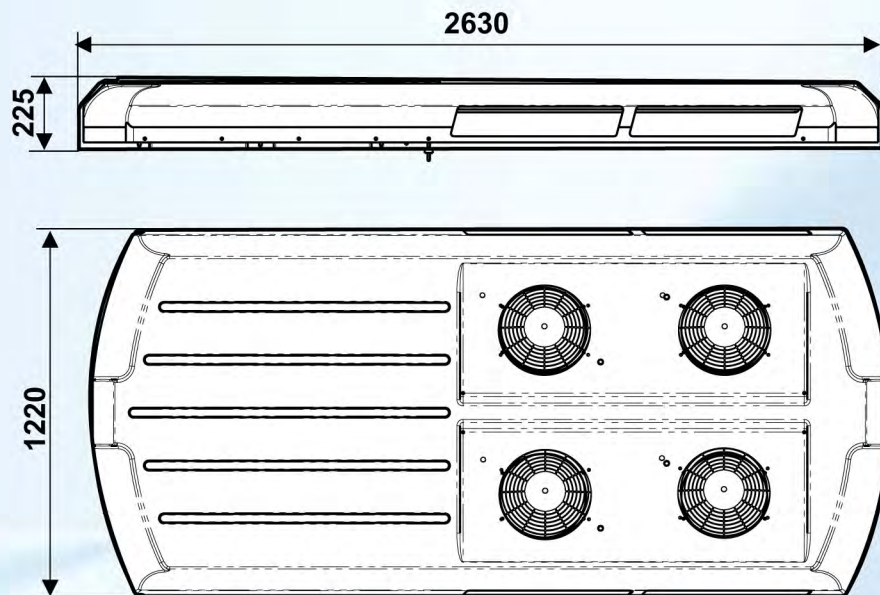
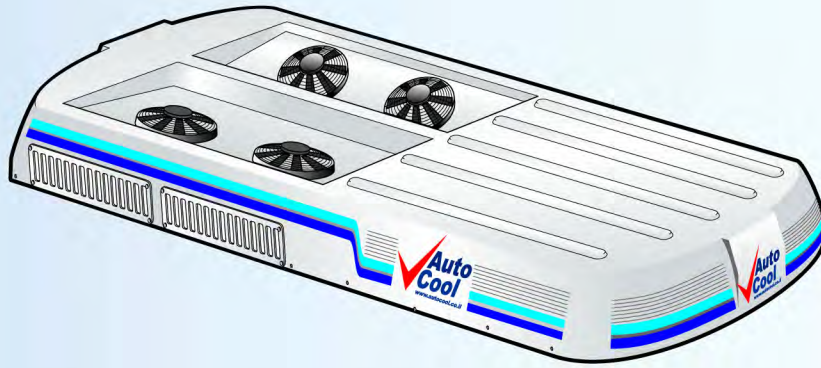
Electronic climate control system (standard)

Air Conditioning System

AC-6000 *Roof Top Unit*



AC-6000 Roof Top AC Unit



Compatible with the following vehicles:

Mercedes: Sprinter, Vario

Volkswagen Crafter

**System is designed for an additional compressor
Electronic climate control system (option)**

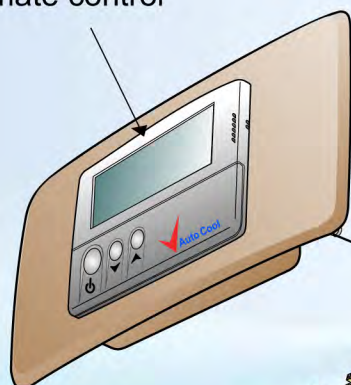
New

Air Conditioning System

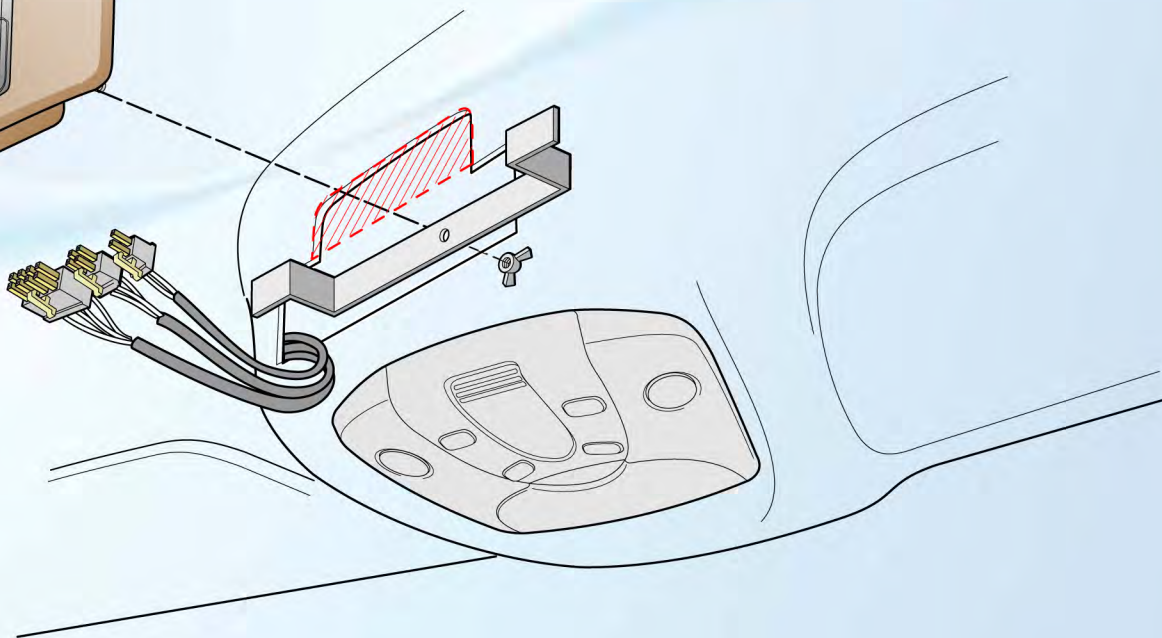
Electronic temperature controller



Climate control



Remote Control



Available in units with additional compressor

AC 4000, AC 5000, HVAC-40 - Standard

Other models - option

Voltage - (12 ÷ 24) VDC

Modes - cooling, ventilation, heating, defrost


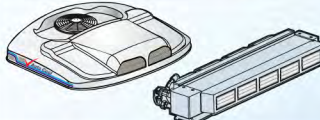
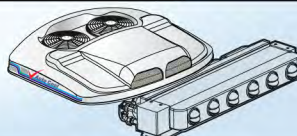

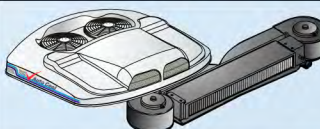
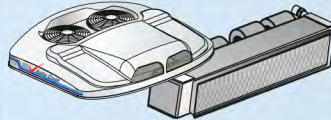
Temperature range: 16° ÷ 30°C

Your Cool Partner
AutoCool IND. LTD.

www.csv.com.au

Air Conditioning Systems

Split Units

N	Description	Capacity				Air Flow (m³/h) *	Current Consumption (A)	Net Weight (kg)	Figure
		Cooling		Heating (option)					
		(BTU/h)	(kW)	(BTU/h)	(kW)				
1	AC-400 (EU-40 + CU-800)	14,280	4.2	8400	2.5	540	14	10	
2	AC-600 (EU-60 + CU-1000)	20,400	6	10,400	3.1	1200	18	20	
3	AC-800 (EU-80 + CU-1500)	27,200	8	-----	-----	1300	30	22.6	
4	AC-900 (EU-90 + CU-1500)	30,600	9	18,200	5.4	1500	32	23	
5	AC-1000 (EU-1000 + CU-1500)	28,900	8.5	-----	-----	1480	32	24	
6	AC-1400 (EU-140 + CU-2000)	47,600	14	25,000	7.4	2000	40	33	

Voltage 12VDC- Standard, 24V DC - Option

Engine kit can be supplied according to vehicle model (option)

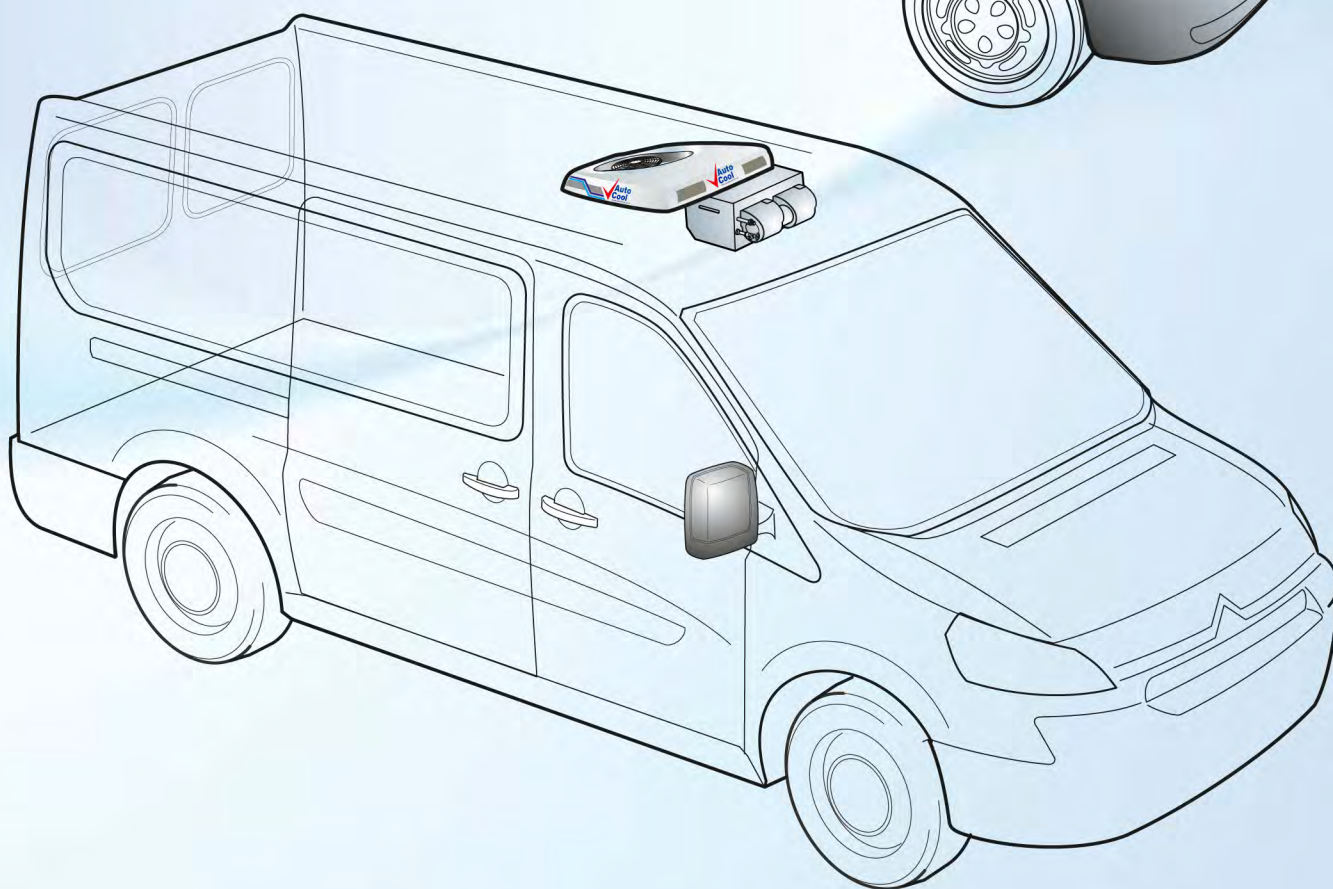
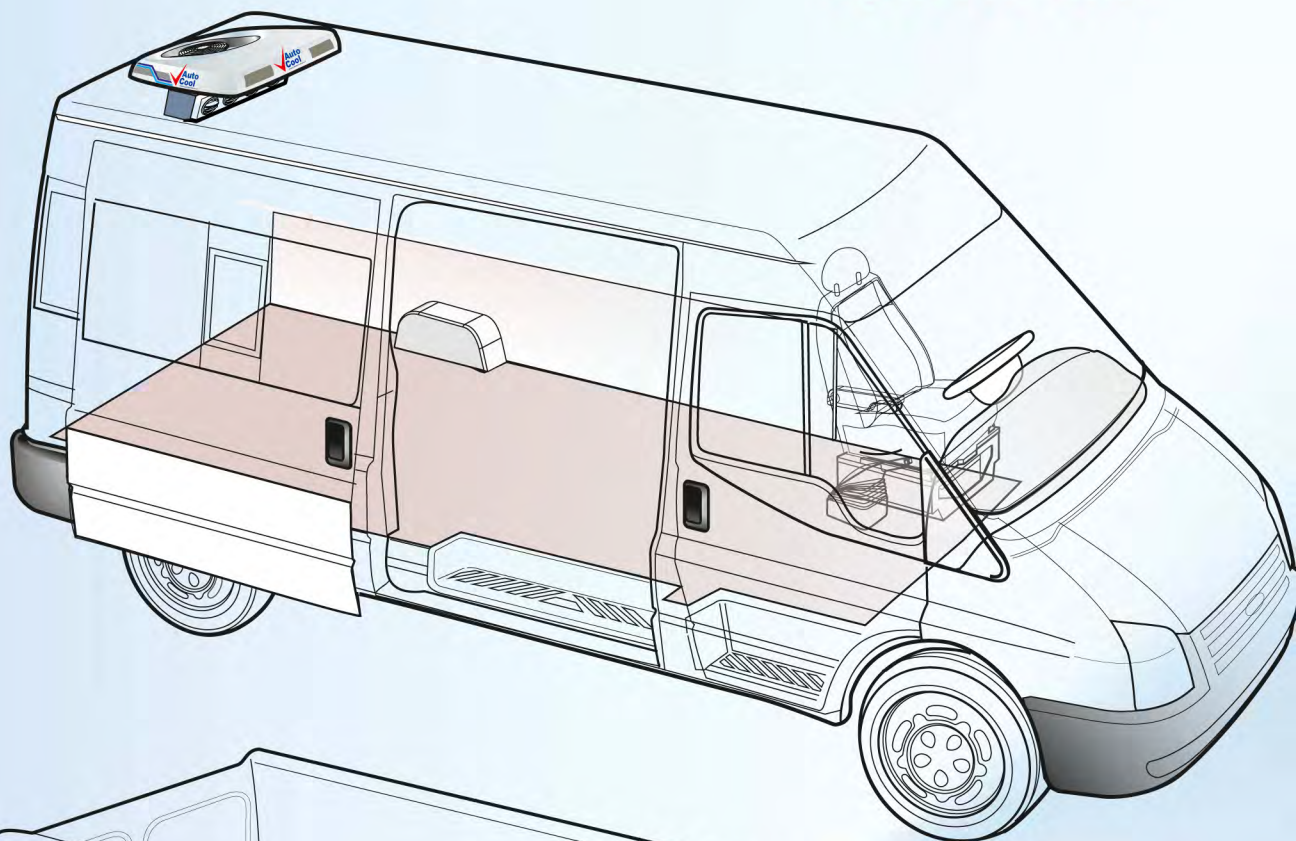
Systems are available for Vehicles without original AC System

Evaporator front panel - option

* At zero static pressure

Air Conditioning System

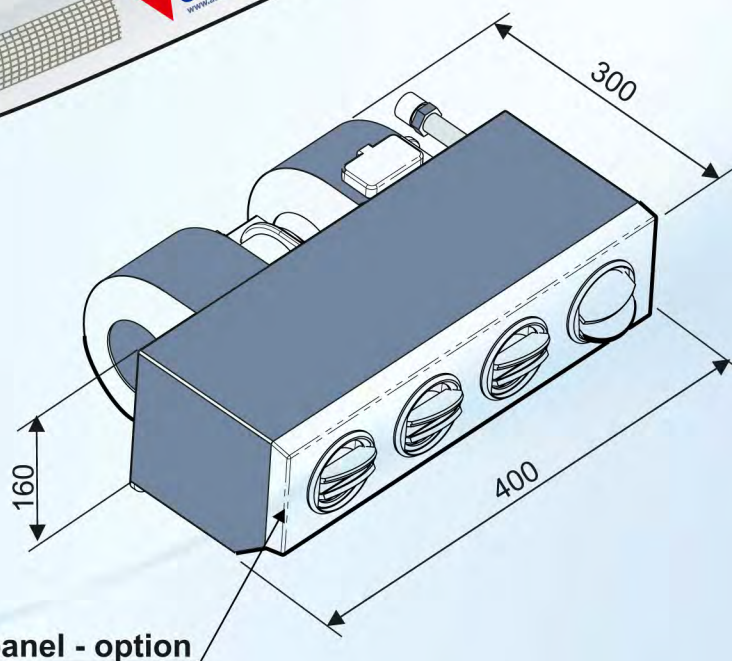
AC-400 *Split AC unit*



AC-400 Split AC Unit

(EU-40 + CU-800)

New



Compatible with the following vehicles:

Mercedes: Sprinter

Volkswagen Crafter

Citroen Jumper

Ford: Transit

Fiat Ducato

Opel: Movano include new model (2010)

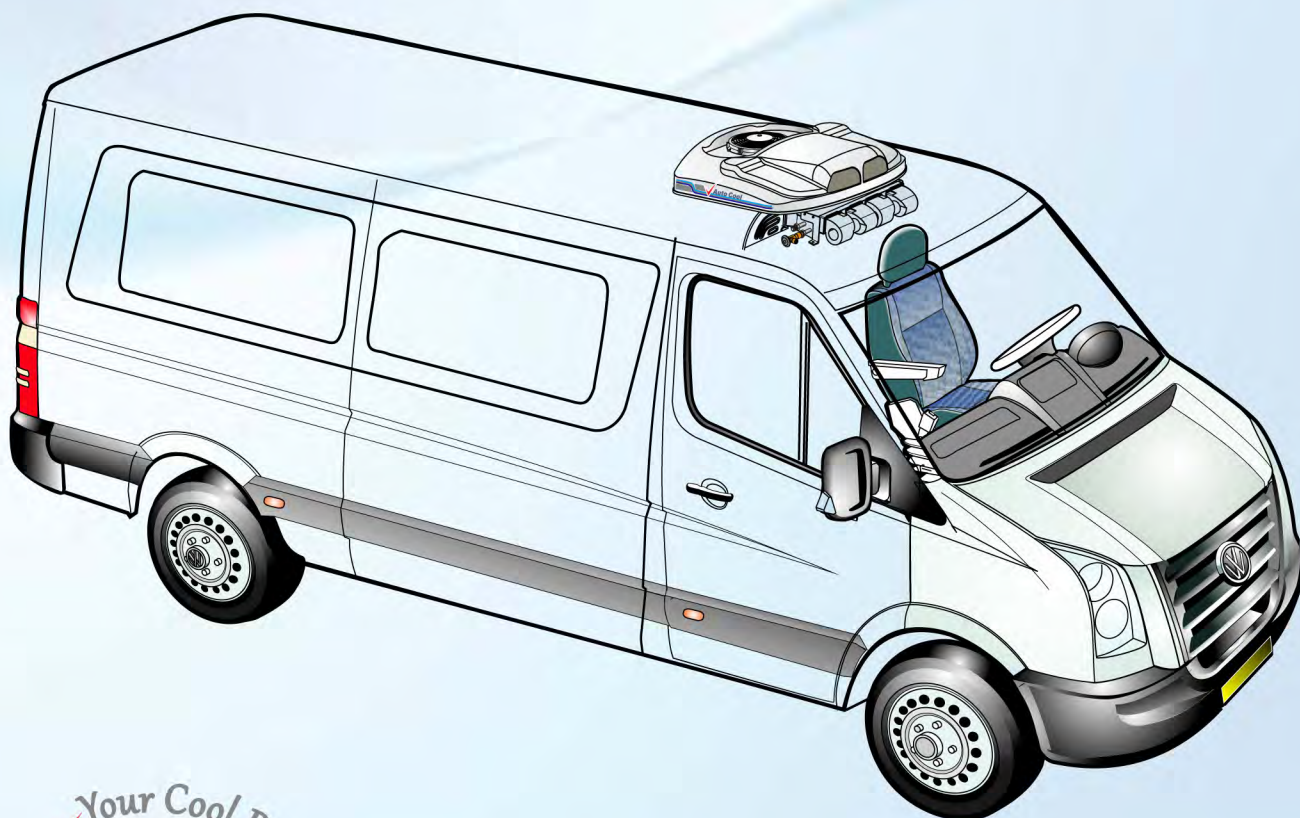
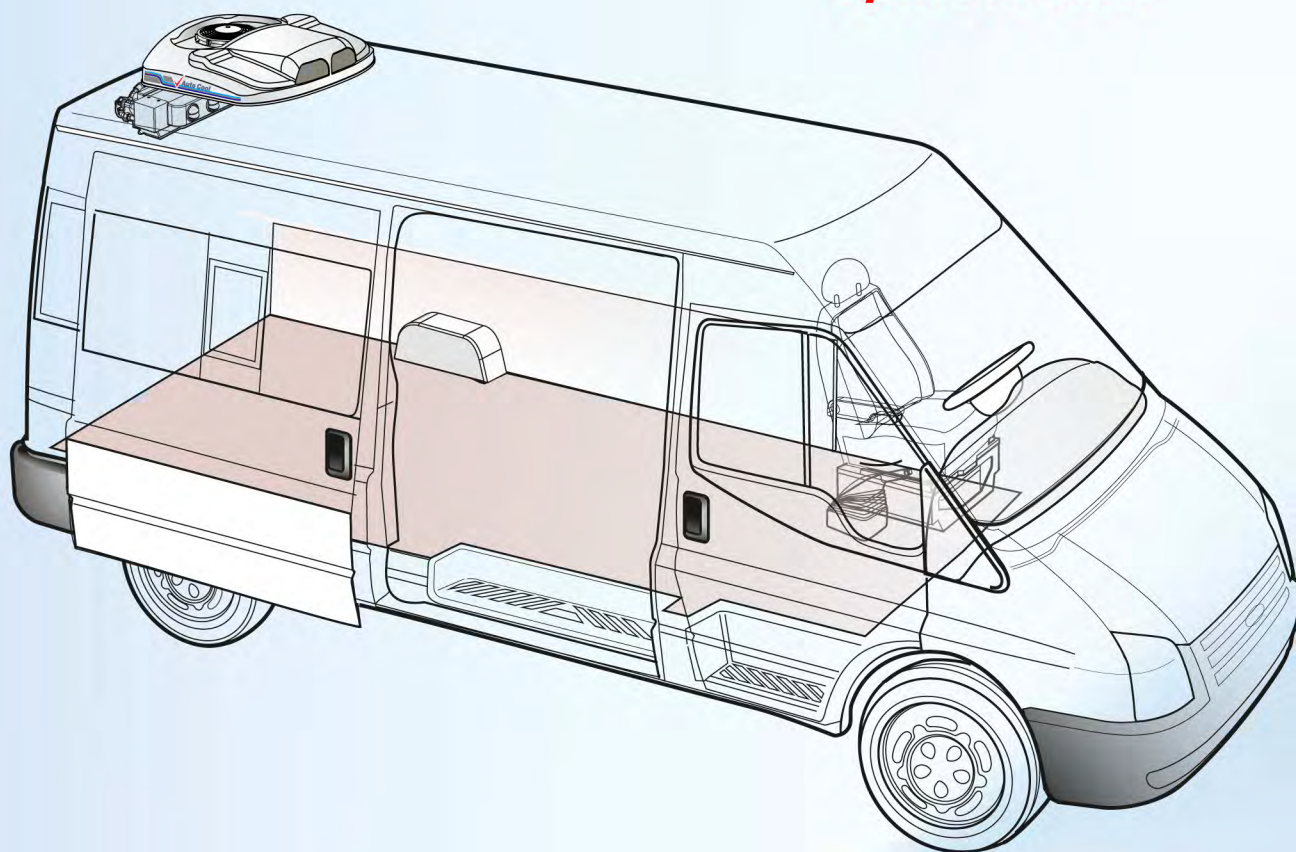
Peugeot Boxer

Renault Master include new model (2010)

Iveco Daily

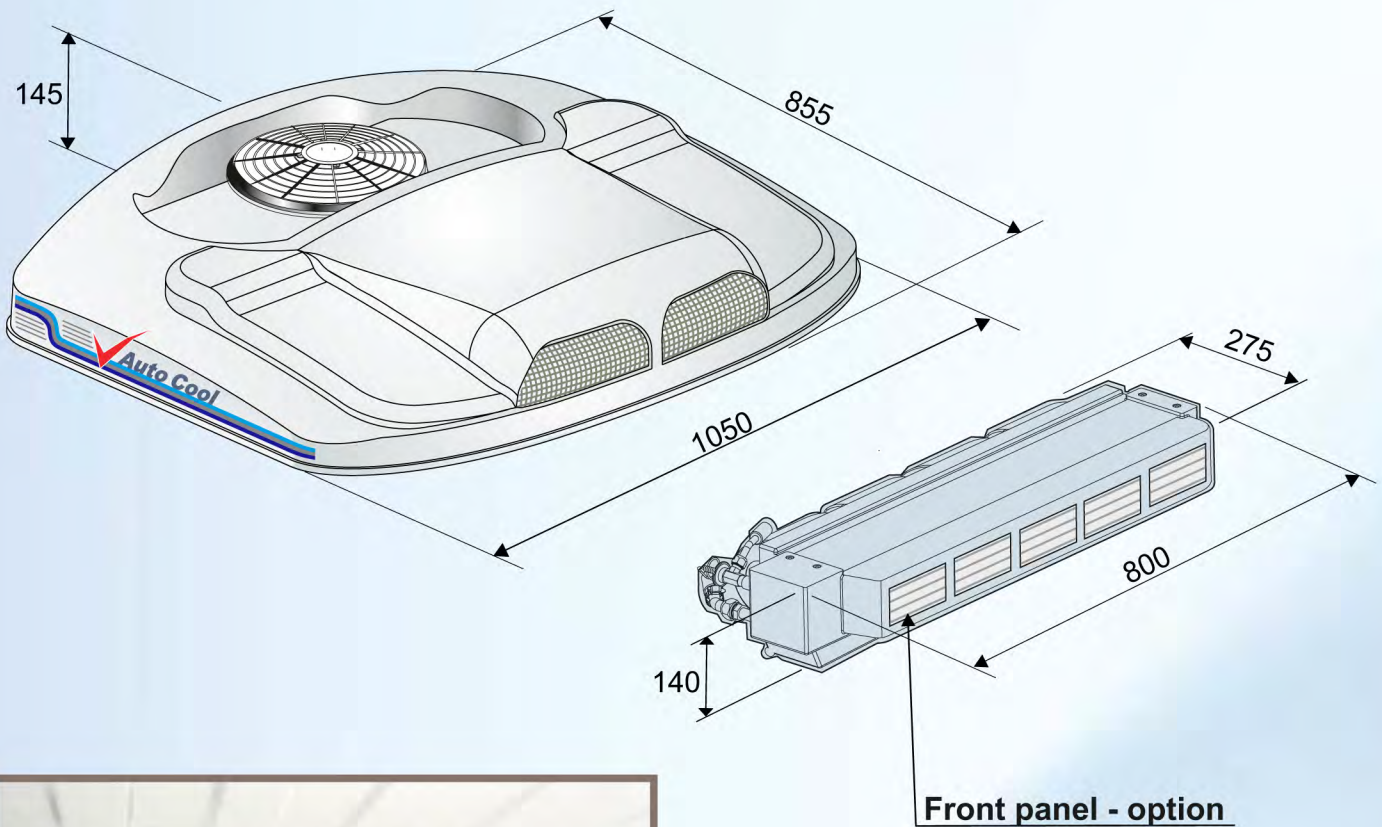
Air Conditioning System

AC-600 *Split AC unit*



AC-600 Split AC Unit

(EU-60 + CU-1000)

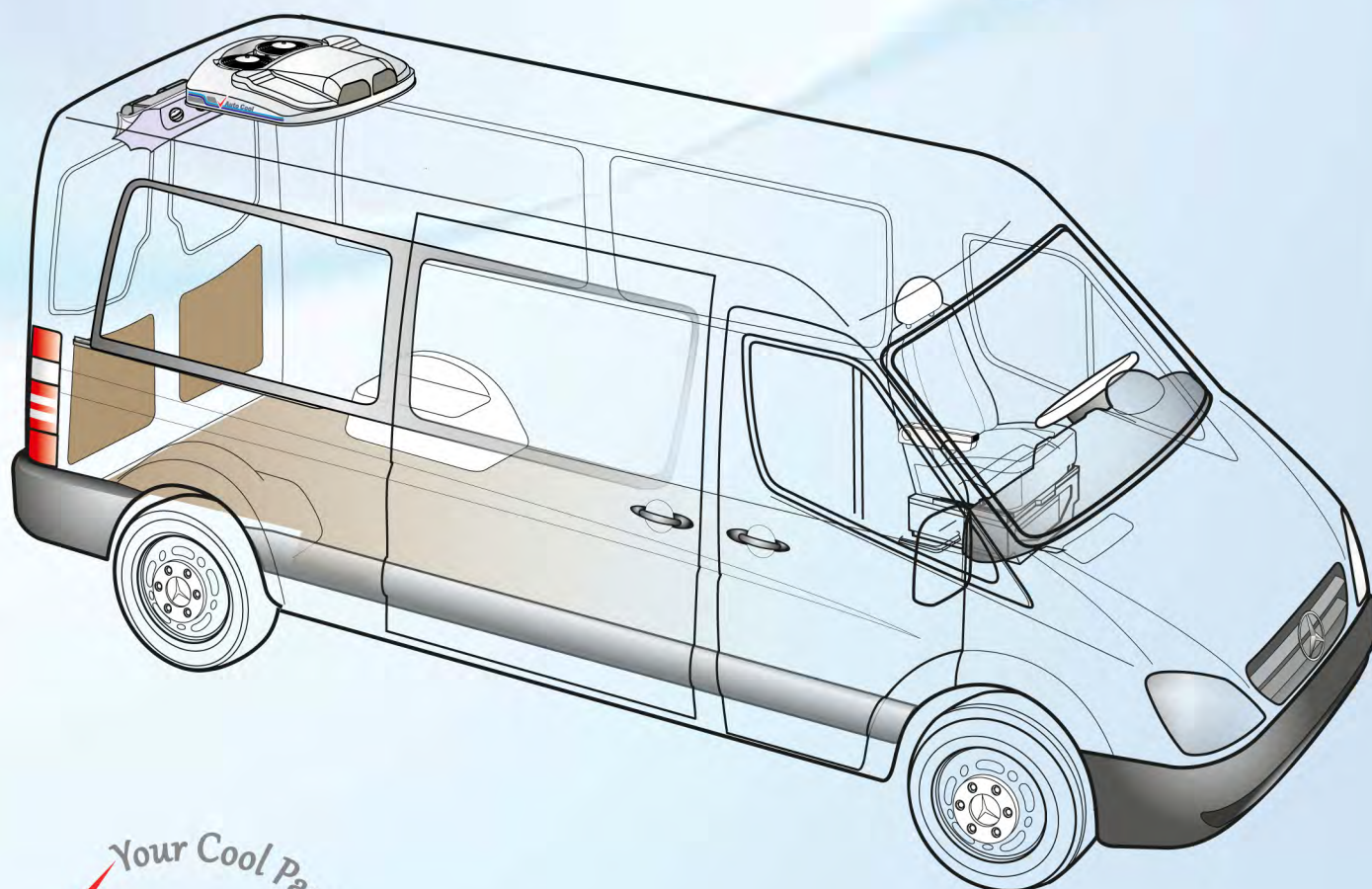
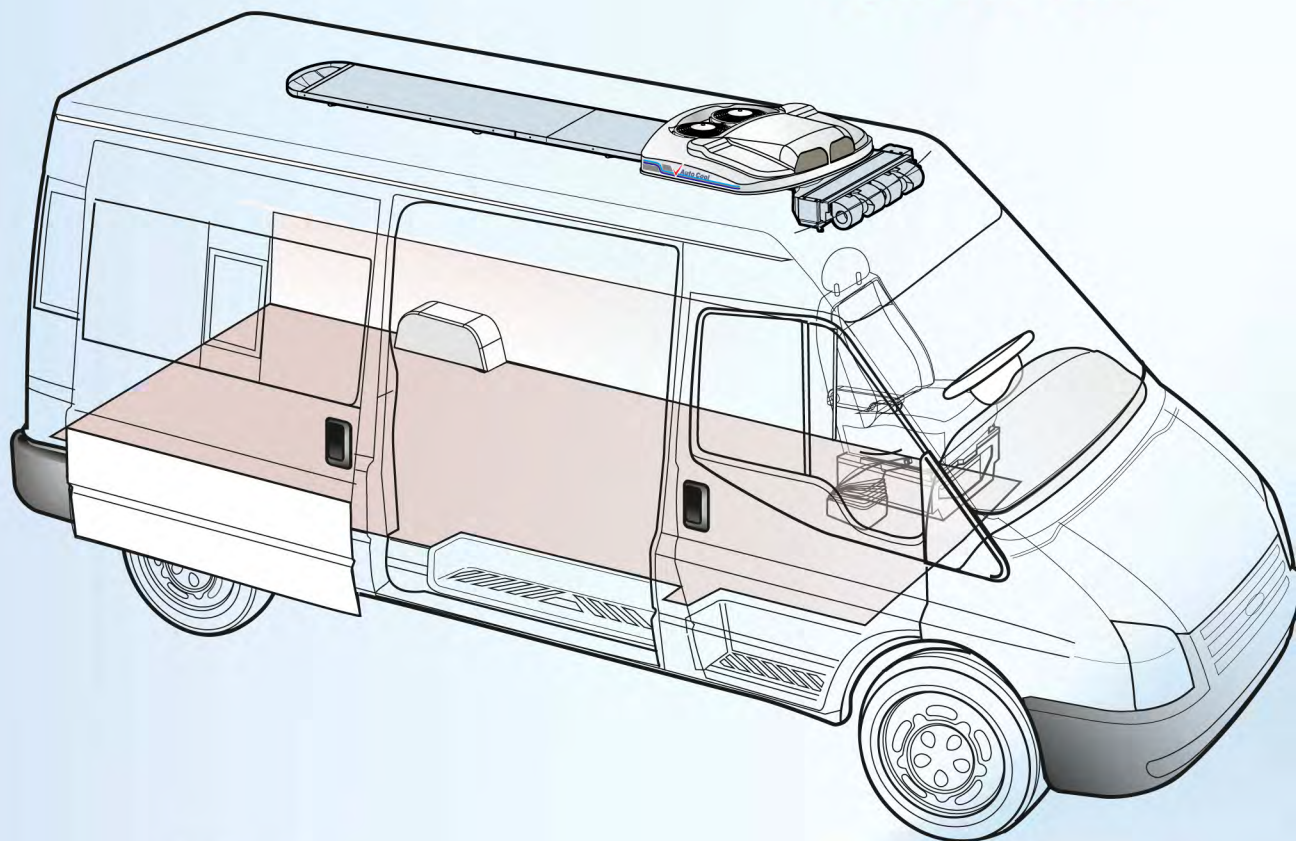


Compatible with the following vehicles:

Mercedes: Sprinter
Volkswagen Crafter
Citroen Jumper
Ford: Transit
Fiat Ducato
Opel: Movano include new model (2010)
Peugeot Boxer
Renault Master include new model (2010)
Iveco Daily

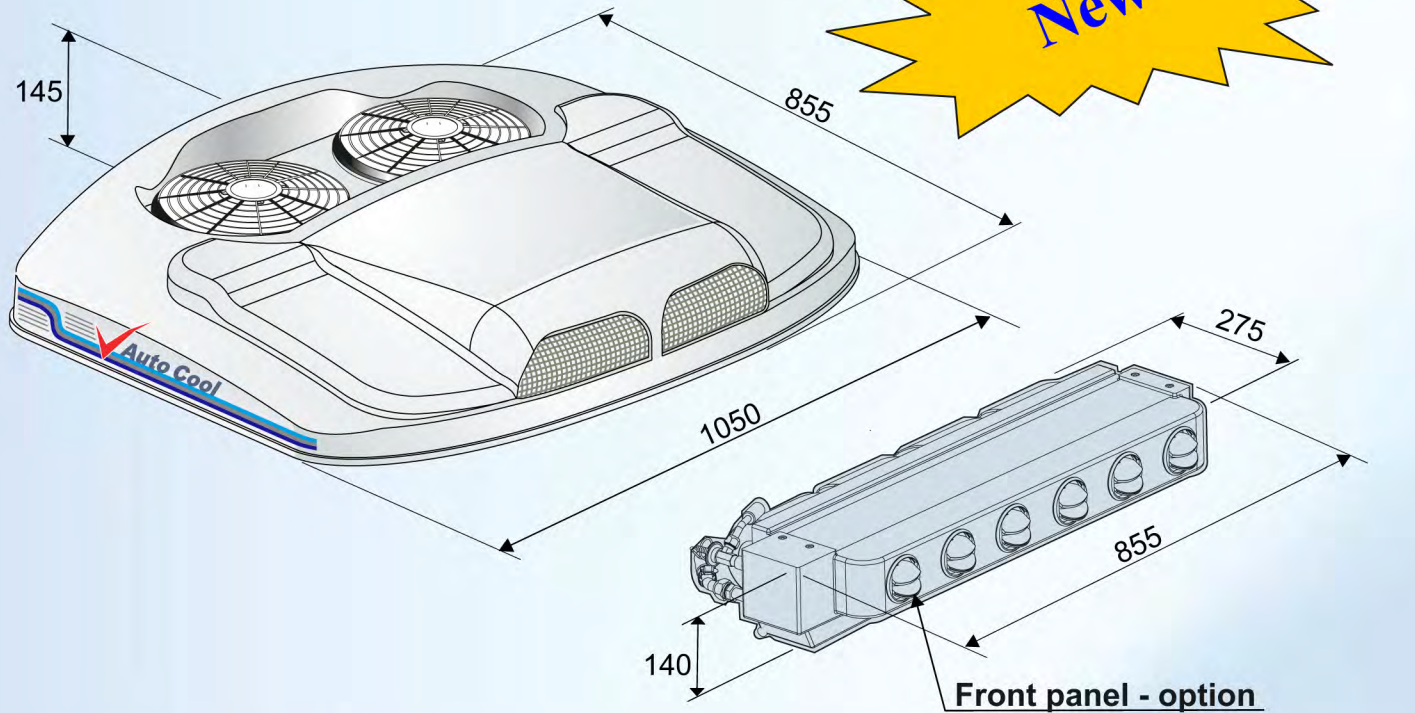
Air Conditioning System

AC-800 *Split AC unit*



AC-800 Split AC Unit

(EU-80 + CU-1500)

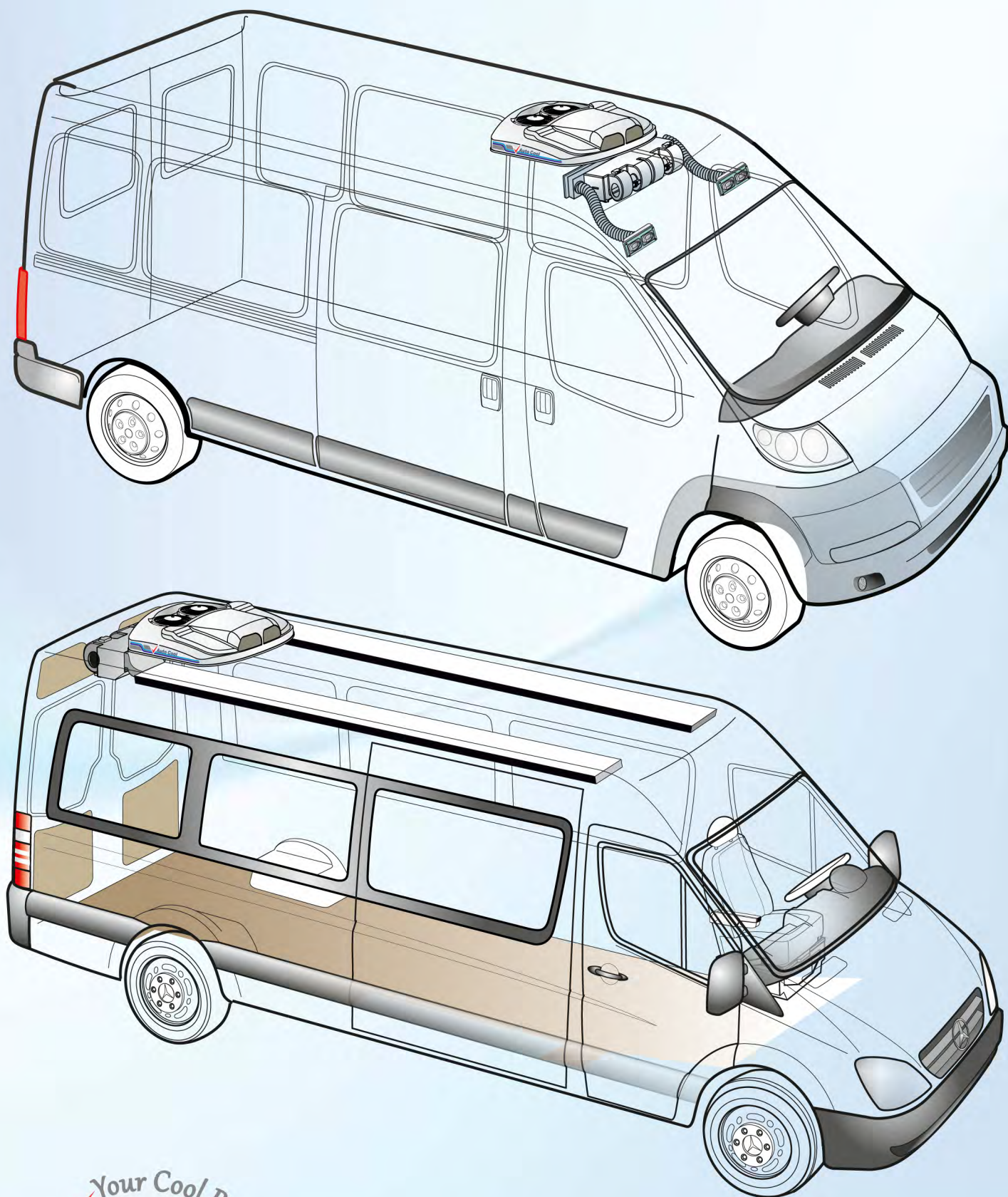


Compatible with the following vehicles:

Mercedes: Sprinter
Volkswagen Crafter
Citroen Jumper
Ford: Transit
Fiat Ducato
Opel: Movano include new model (2010)
Peugeot Boxer
Renault Master include new model (2010)
Iveco Daily

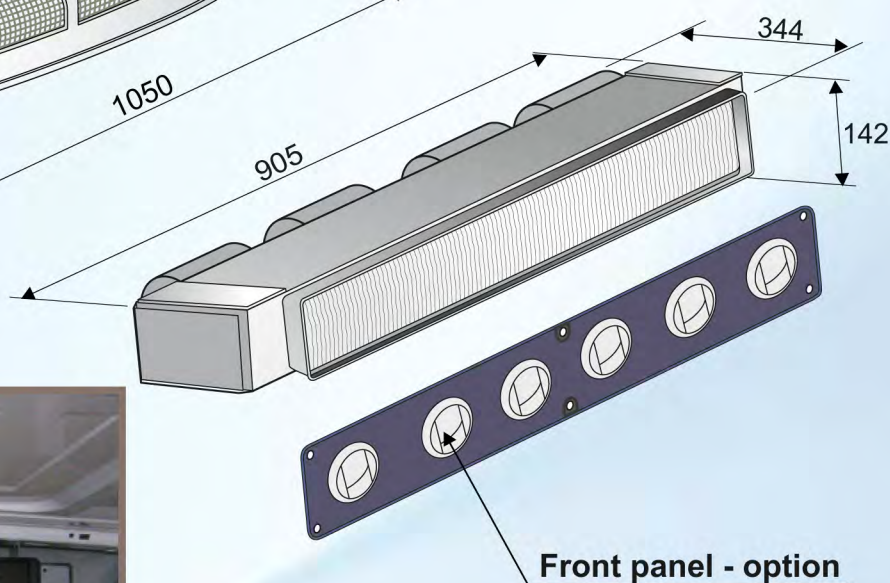
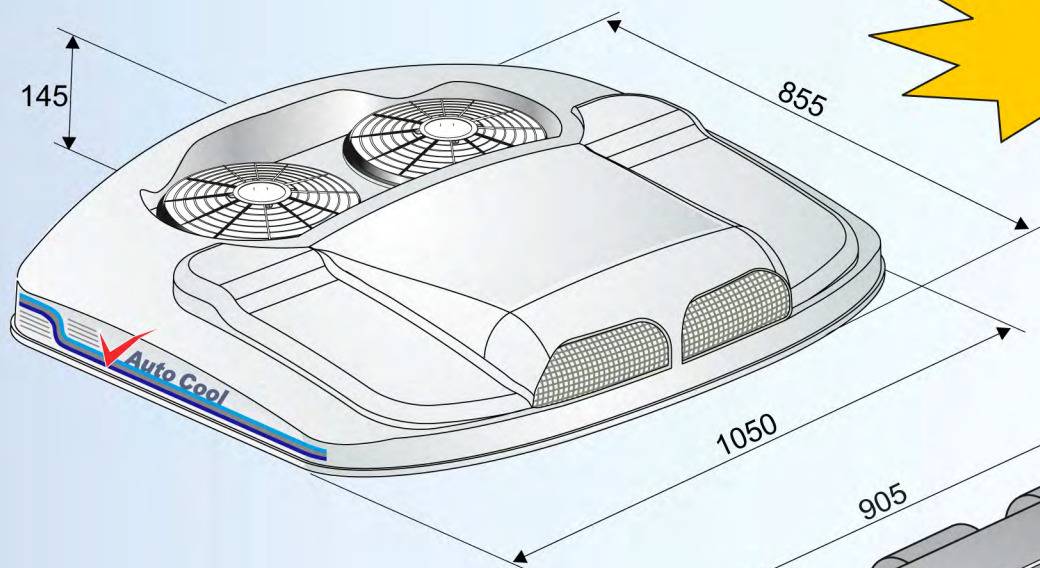
Air Conditioning System

AC-900 *Split AC unit*



AC-900 Split AC Unit

(EU-90 + CU-1500)



Compatible with the following vehicles:

Mercedes: Sprinter

Volkswagen Crafter

Citroen Jumper

Ford: Transit

Fiat Ducato

Opel: Movano include new model (2010)

Peugeot Boxer

Renault Master include new model (2010)

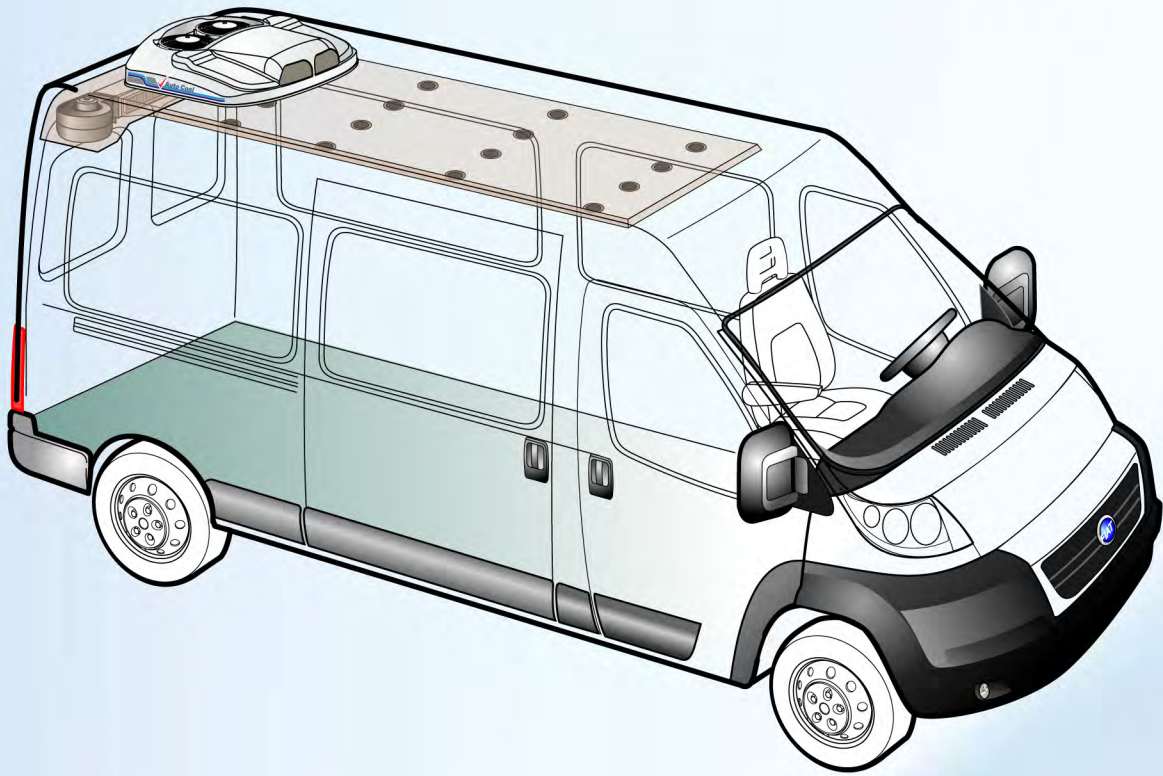
Iveco Daily



Air Conditioning System

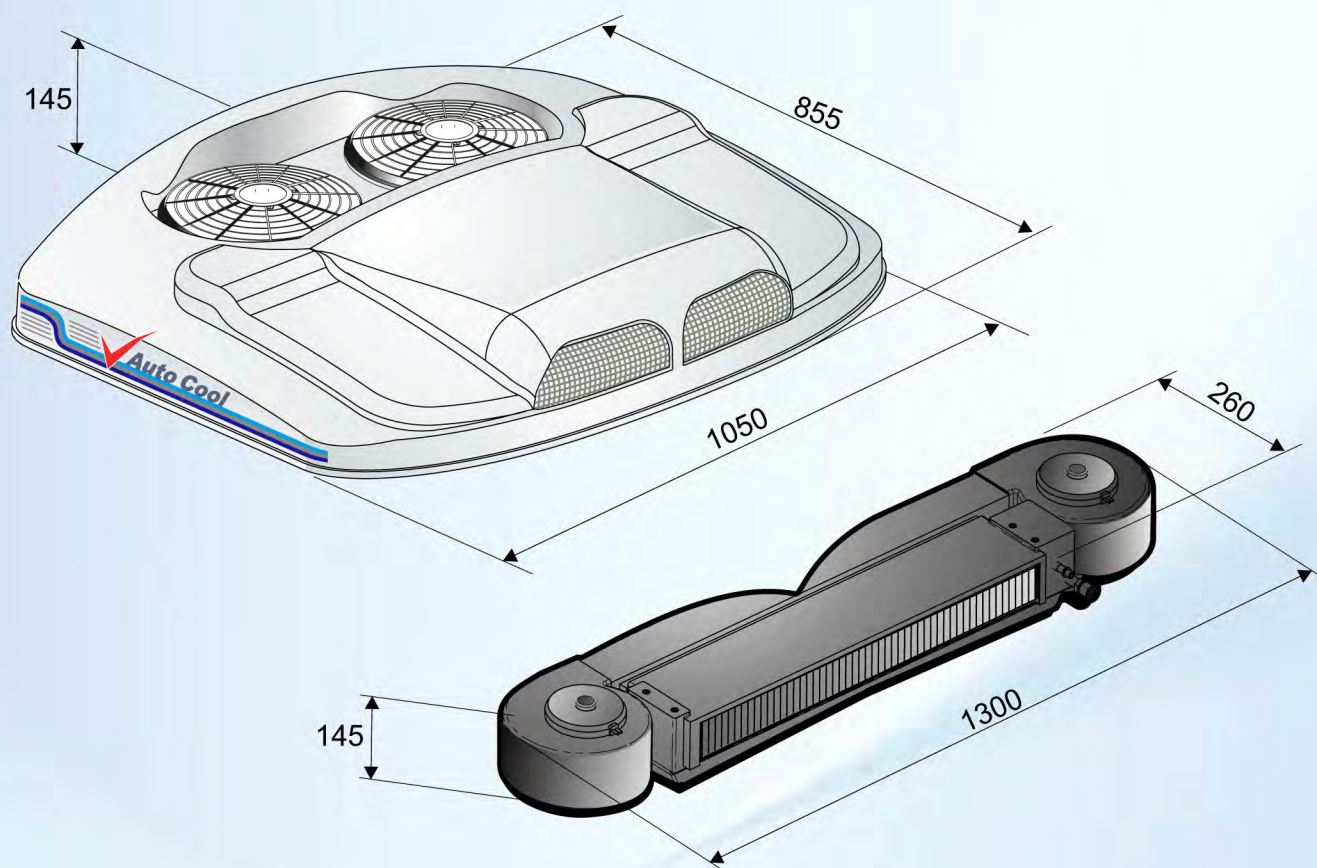
AC-1000

Split AC unit



AC-1000 Split AC Unit

(EU-1000 + CU-1500)



Compatible with the following vehicles:

Mercedes: Sprinter Long

Volkswagen Crafter Long

Citroen Jumper

Ford Transit

Fiat Ducato

Opel Movano include new model (2010)

Peugeot Boxer

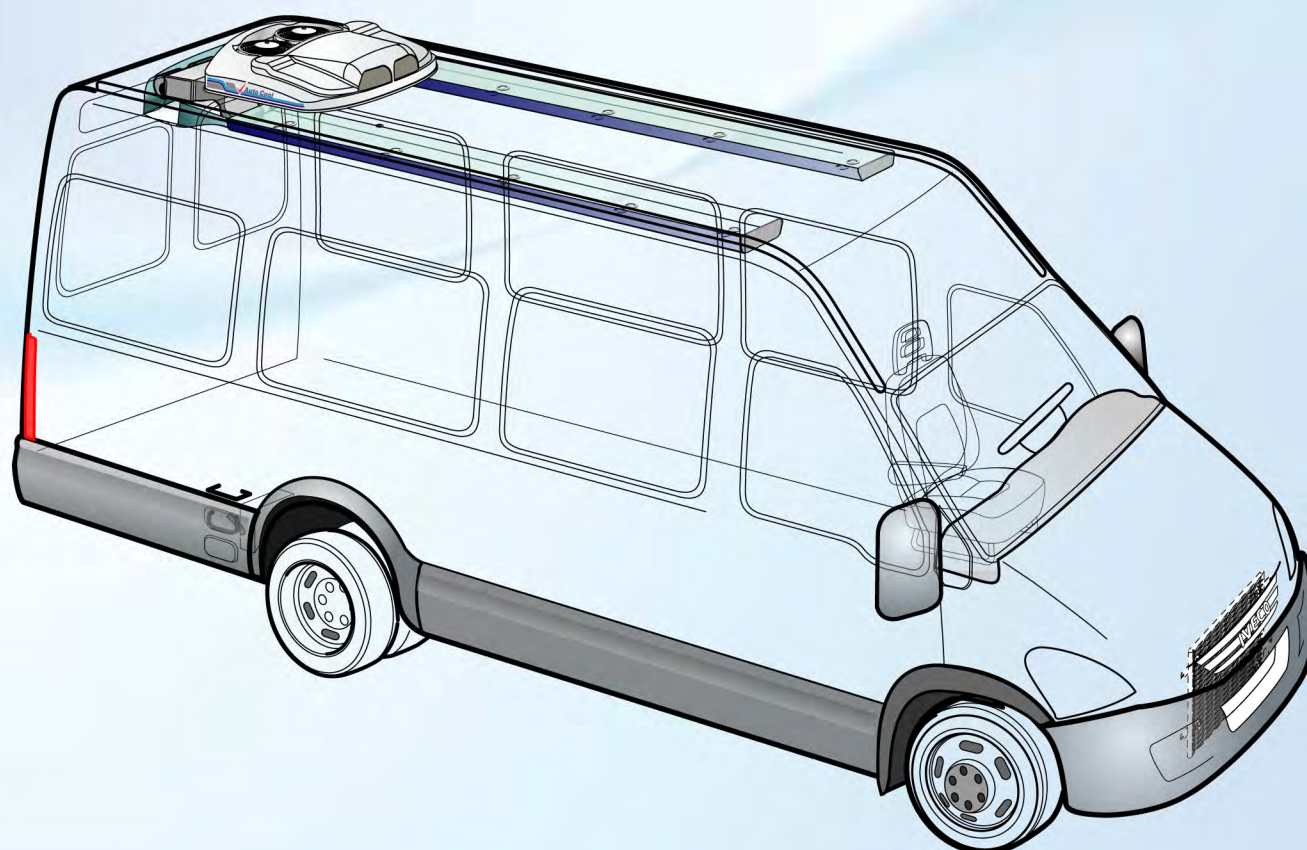
Renault Master include new model (2010)

Iveco Daily

Air Conditioning System

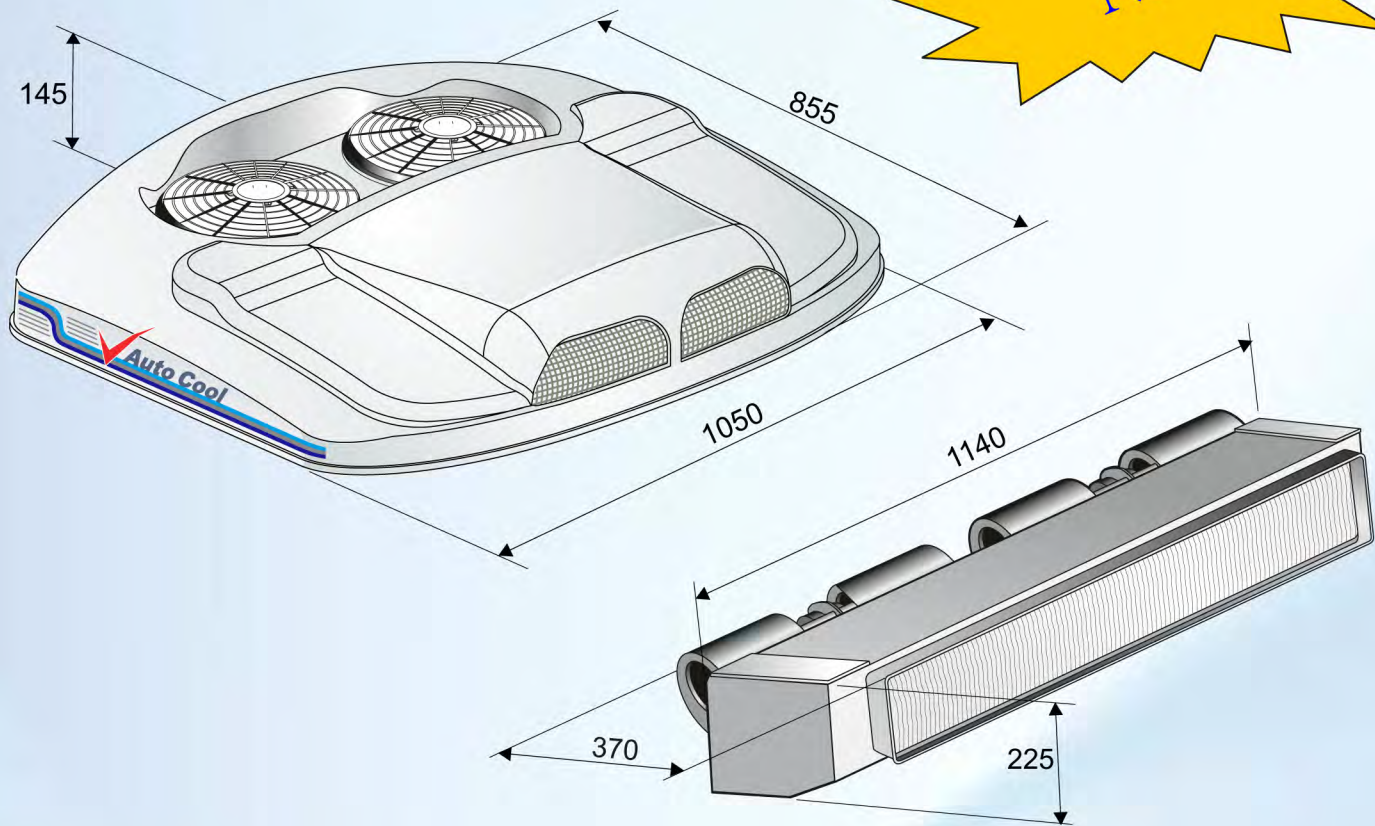
AC-1400

Split AC unit



AC-1400 Split AC Unit ***(EU-140 + CU-2000)***

New



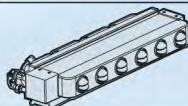
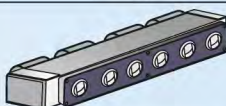
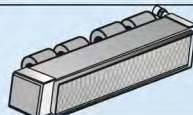


Compatible with the following vehicles:

Mercedes: Sprinter X-Long
Volkswagen Crafter X-Long
Iveco Daily Long
Ford Transit Jumbo
Peugeot Boxer Long
Fiat Ducato Long
Opel Movano include new model (2010)
Renault Master include new model (2010)

System is designed for an additional compressor
Heating kit (option)
Electronic climate control system (standard)

Evaporator Units

N	Description	Capacity				Air Flow (m³/h) *	Current Consumption (A)	Net Weight (kg)	Figure
		Cooling		Heating (option)					
		(BTU/h)	(kW)	(BTU/h)	(kW)				
1	EU-40 (HVAC)	14,280	4.2	8,400	2.5	540	8.5	4.6	
2	EU-60 (HVAC)	20,400	6	10,400	3.1	1200	12	7.6	
3	EU-80	27,200	8	-----	-----	1300	14	8.6	
4	EU-90 (HVAC)**	30,600	9	18,200	5.4	1500	19	9.2	
5	EU-140 (HVAC)***	47,600	14	31,900	9.4	2000	24	14.2	

Voltage 12VDC- Standard, 24V DC - Option

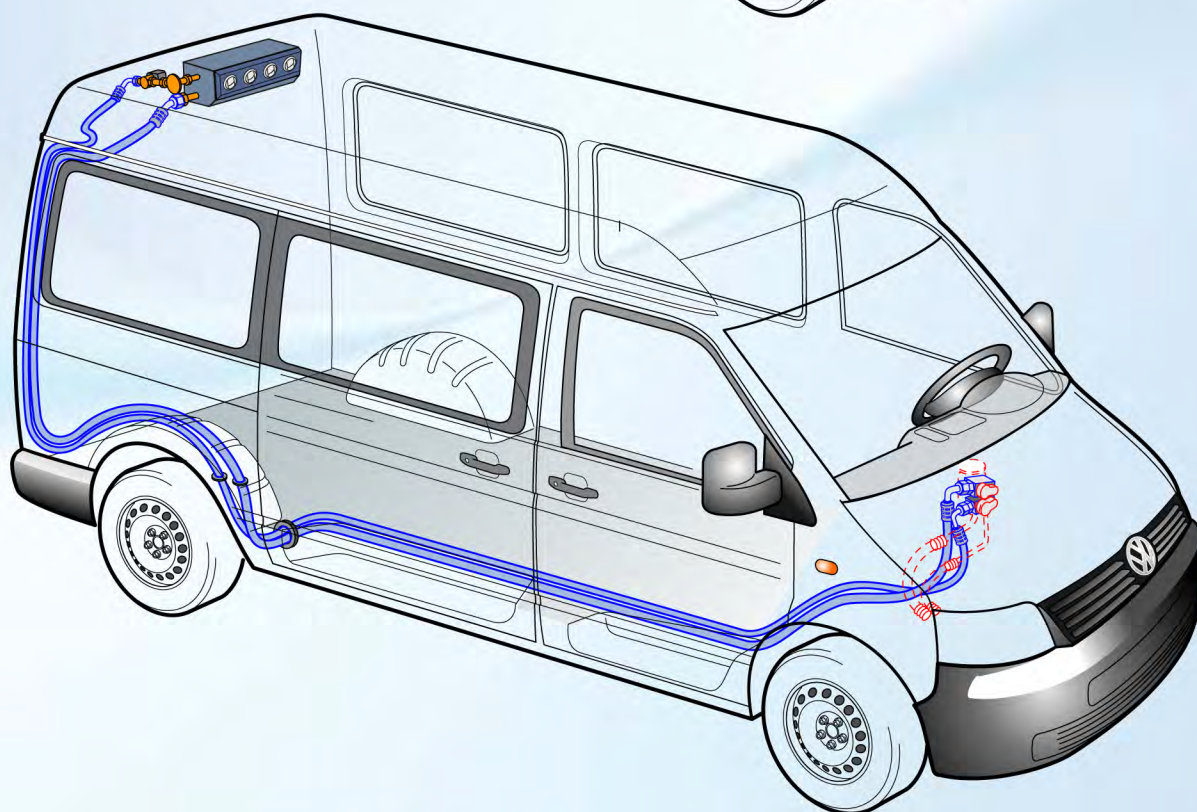
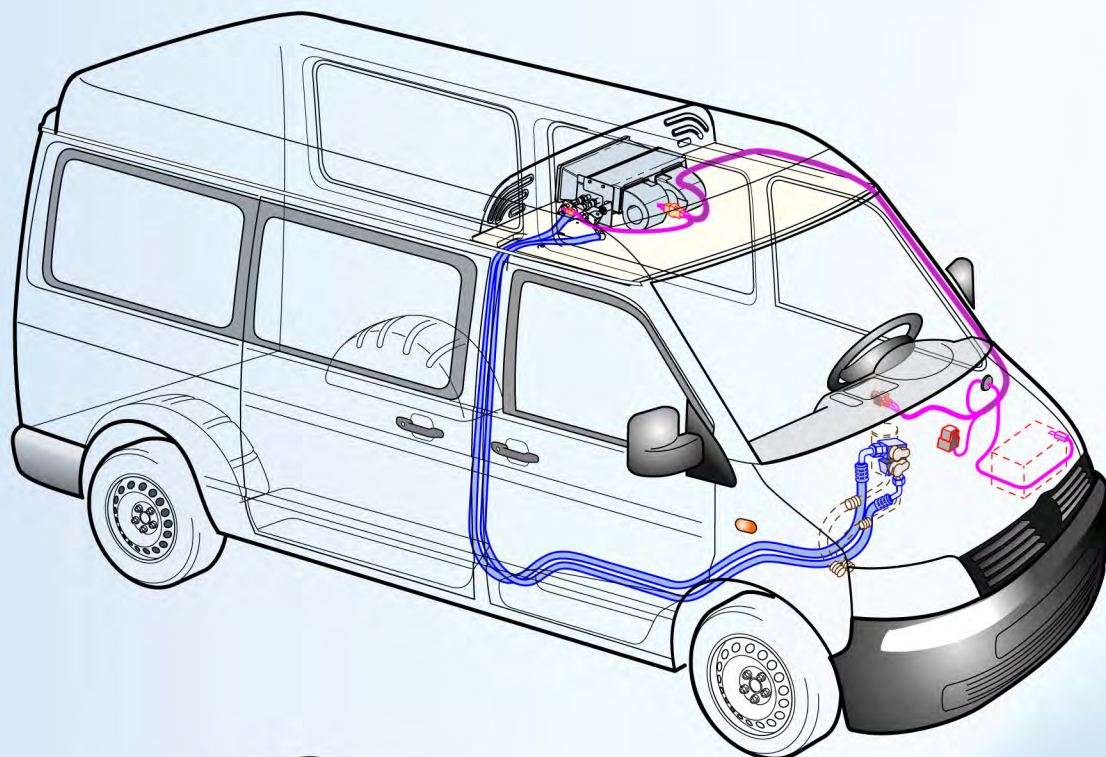
* At zero static pressure

** Used with additional condenser

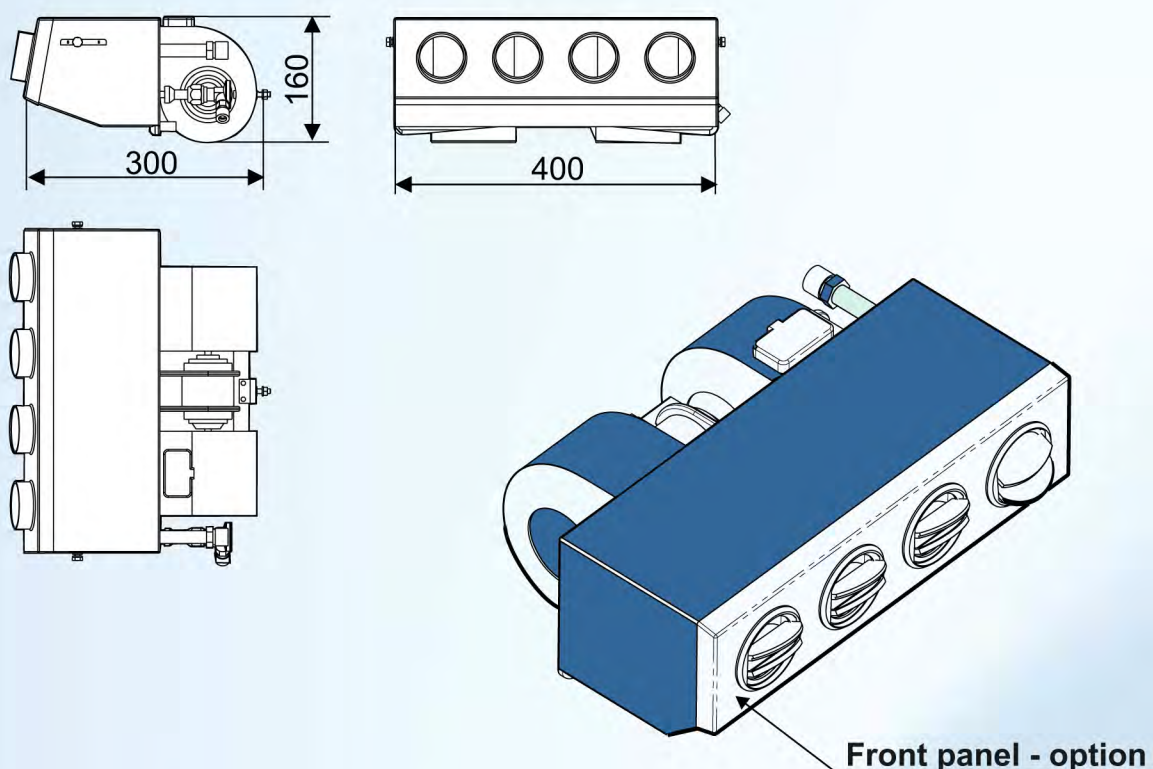
*** Used with additional condenser and additional compressor

Front panel - option

Air Conditioning System **EU-40**



EU-40 Evaporator



Compatible with the following vehicles:

Chevrolet Savana

Citroen Jumpy

Fiat Ducato, Scudo

Ford: Connect, Transit

Hyunday H1

Mercedes Sprinter

Opel Movano

Peugeot Boxer, Expert

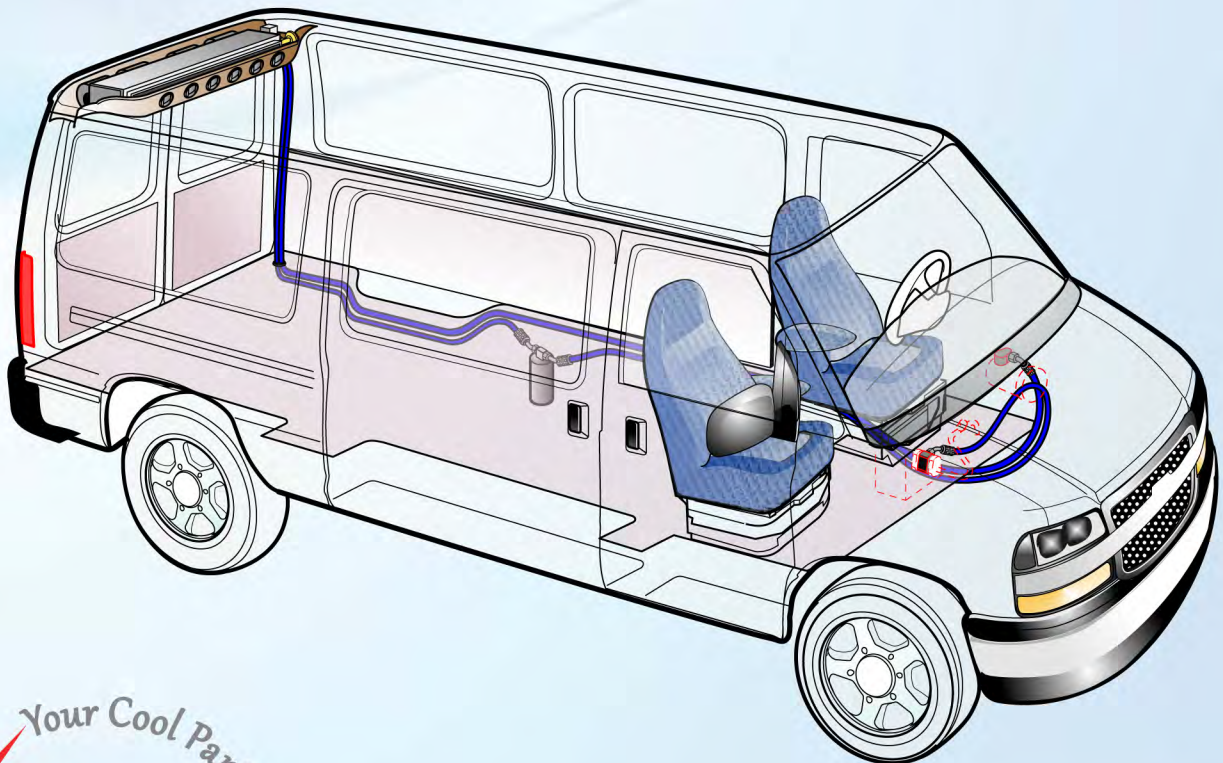
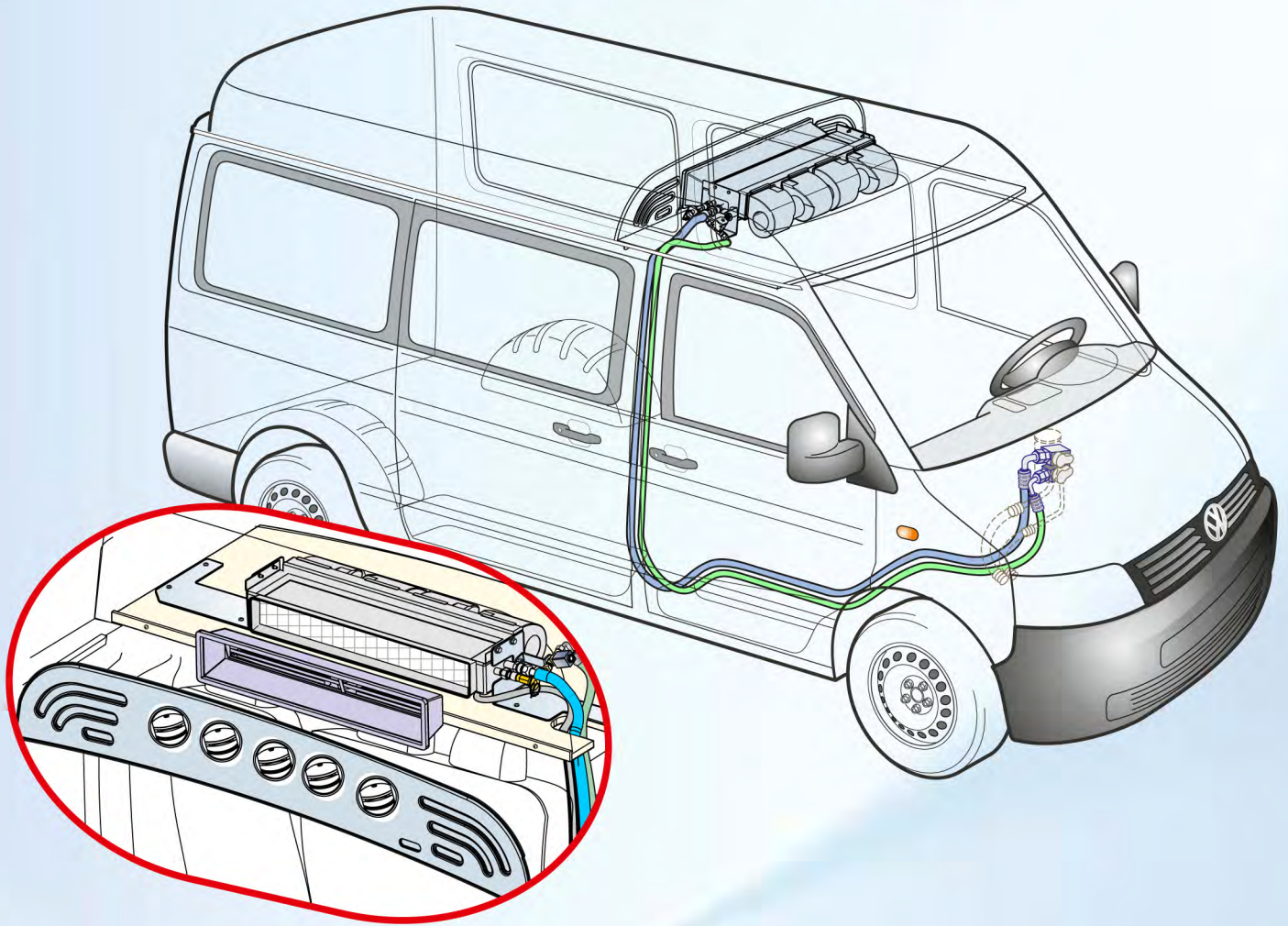
Renault Master include new model

Toyota Hiace

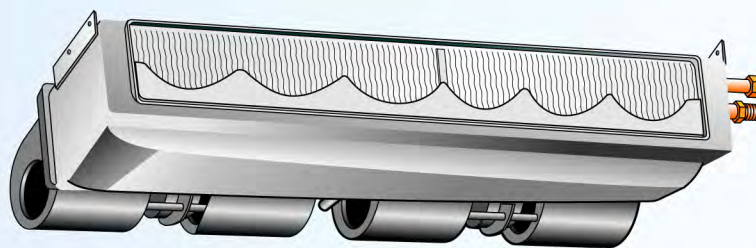
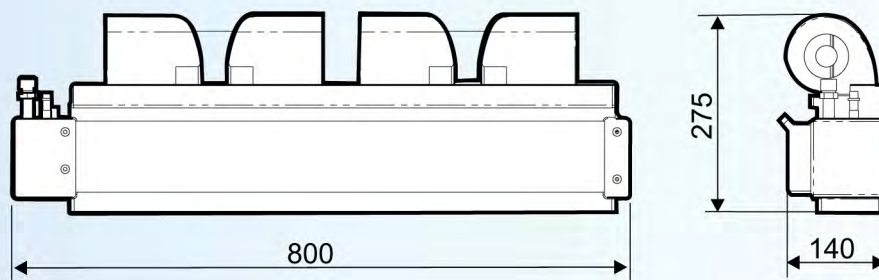
Volkswagen Crafter, T5

Heating kit (optional)

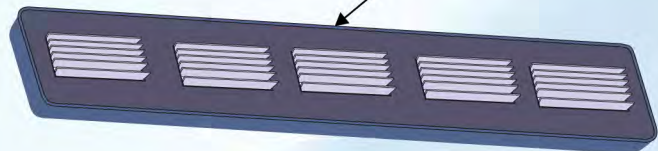
Air Conditioning System **EU-60**



EU-60 Evaporator



Front panel - option



Compatible with the following vehicles:

Chevrolet Savana

Citroen Jumpy

Fiat Ducato, Scudo

Ford: Connect, Transit

Hyunday H1

Iveco Daily-50C18/15

Mercedes Sprinter-315

Opel Movano, Vivaro-Short W.B.

Peugeot Boxer, Expert

Renault Master include new model

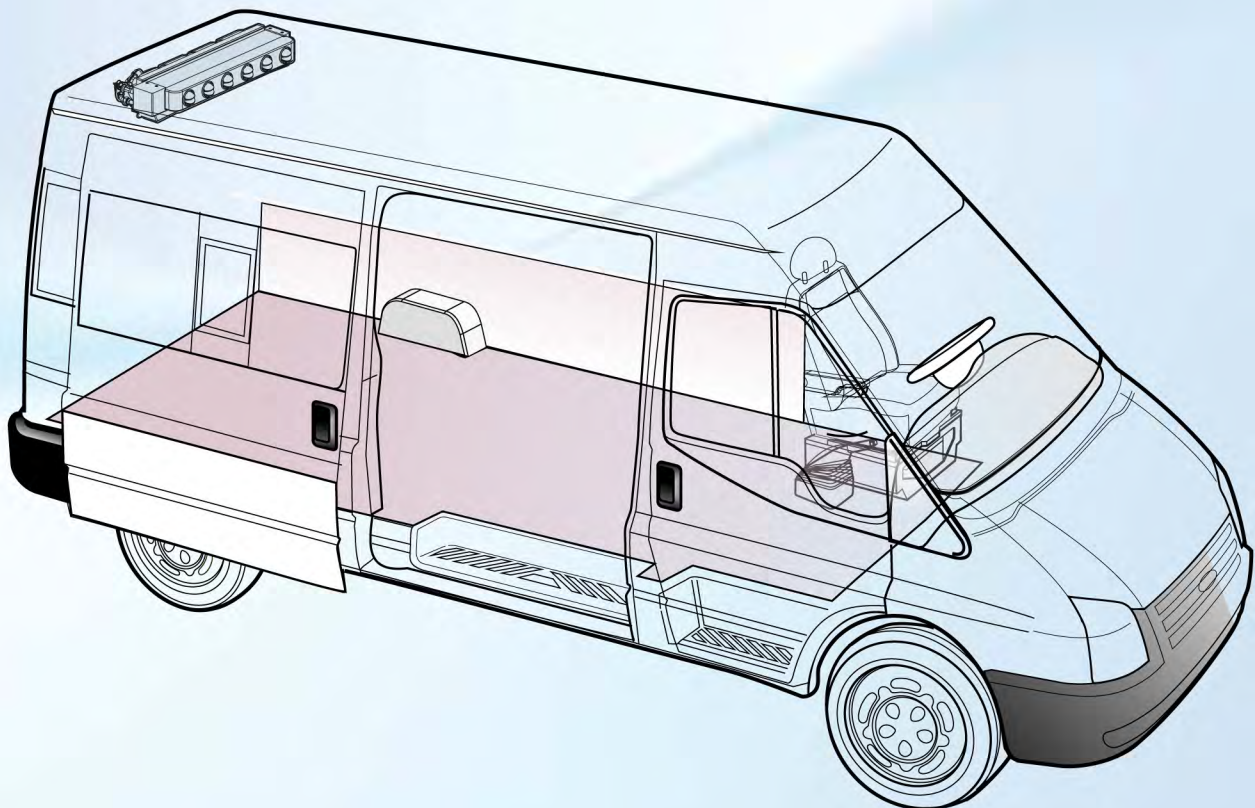
Toyota Hiace

Volkswagen Crafter-35, T5

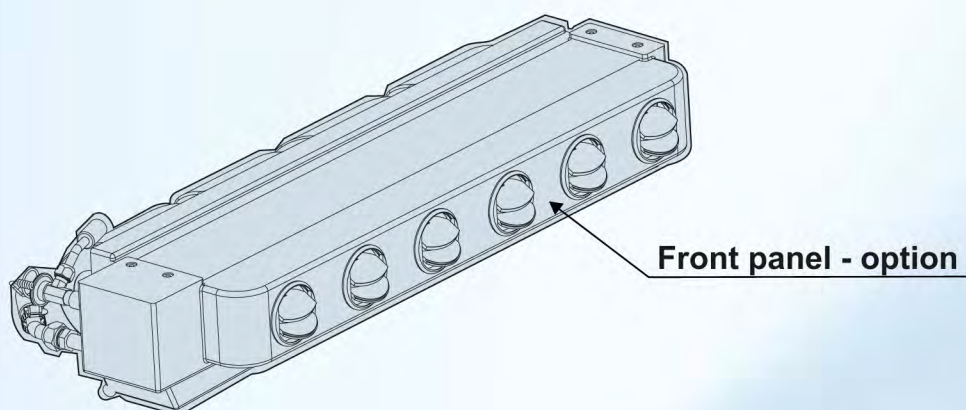
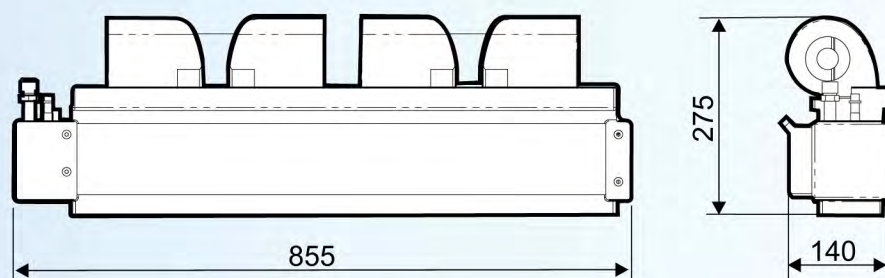
Heating kit (optional)

Air Conditioning System

EU-80



EU-80 Evaporator



Compatible with the following vehicles:

Chevrolet Savana

Citroen Jumper

Fiat Ducato

Ford: Transit

Iveco Daily

Mercedes Sprinter

Opel Movano, Vivaro-Short W.B.

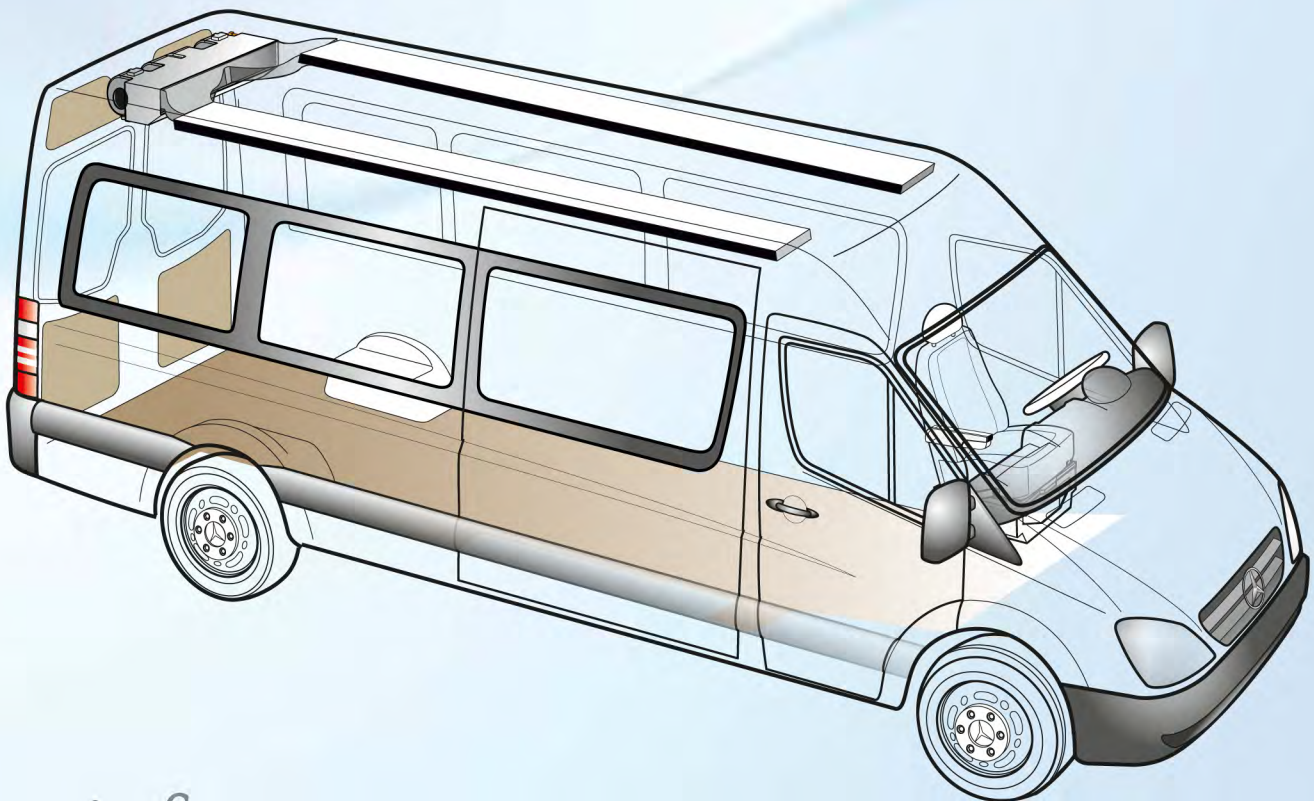
Peugeot Boxer

Renault Master include new model

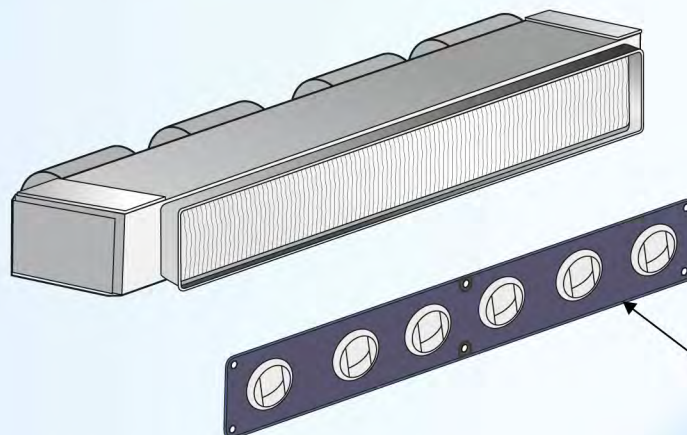
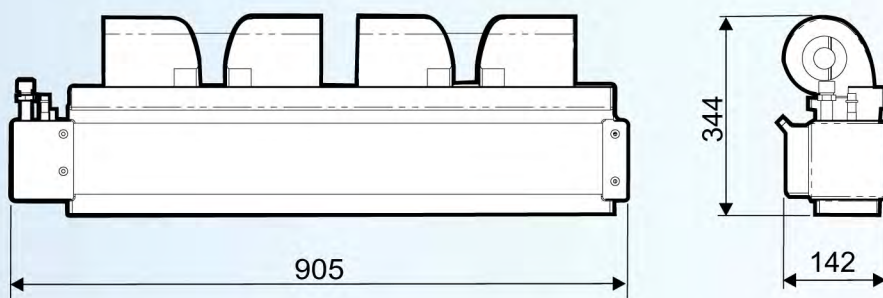
Volkswagen Crafter

Air Conditioning System

EU-90



EU-90 Evaporator



Compatible with the following vehicles:

Chevrolet Savana

Citroen Jumper

Fiat Ducato

Ford: Transit

Iveco Daily

Mercedes Sprinter

Opel Vivaro, Movano include new model 2010

Peugeot Boxer

Renault Master include new model 2010

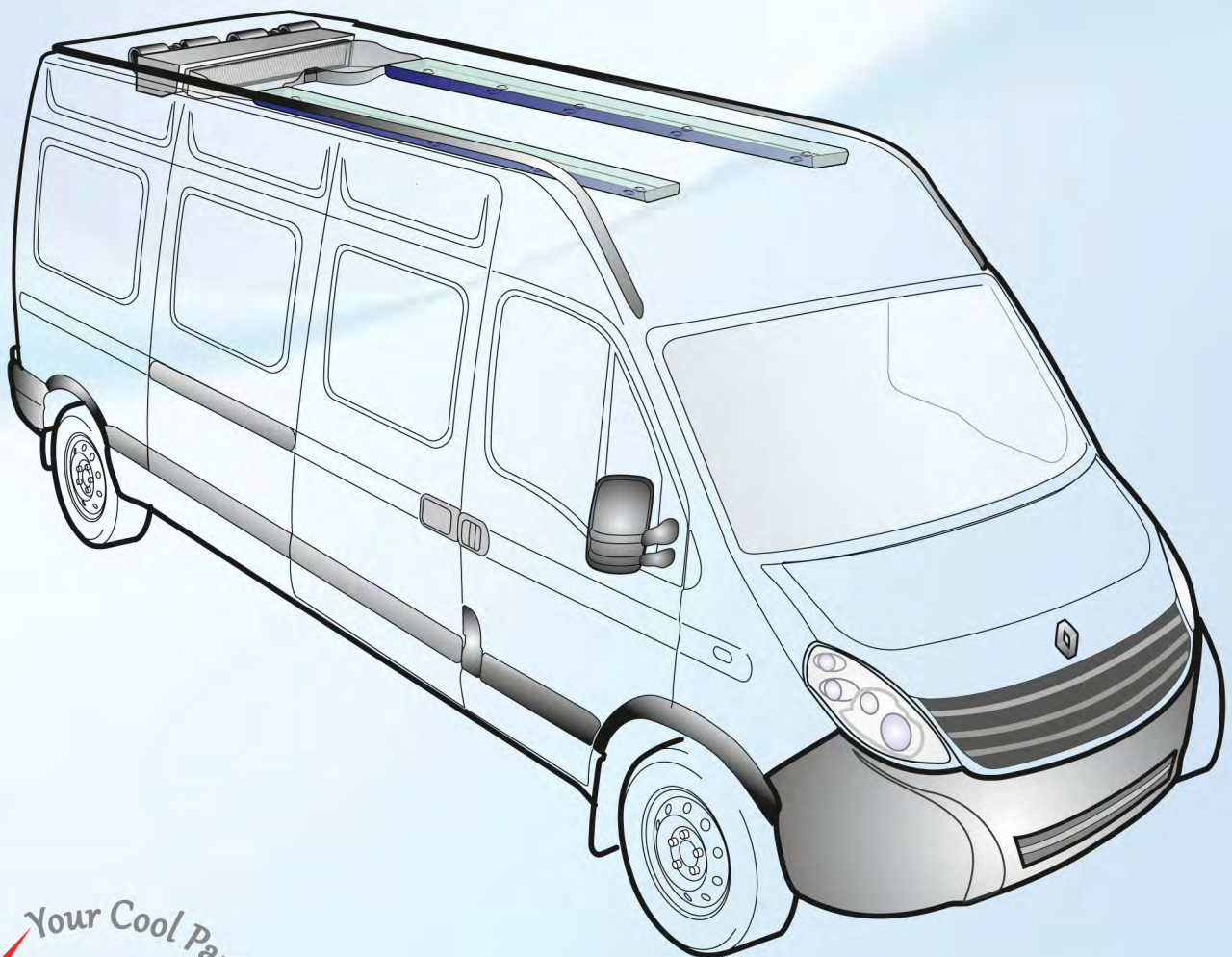
Volkswagen Crafter

Used with additional condenser CU-1000

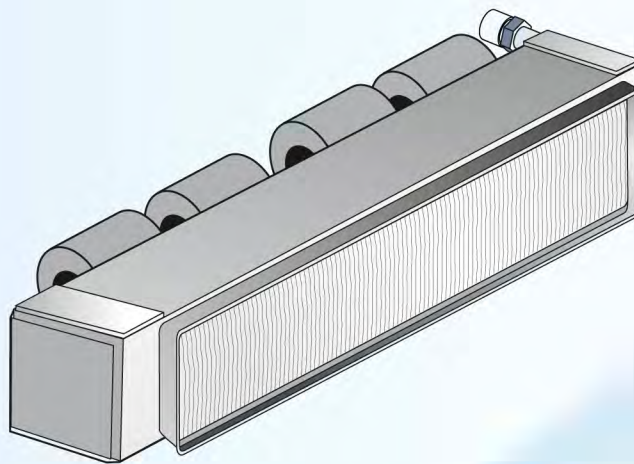
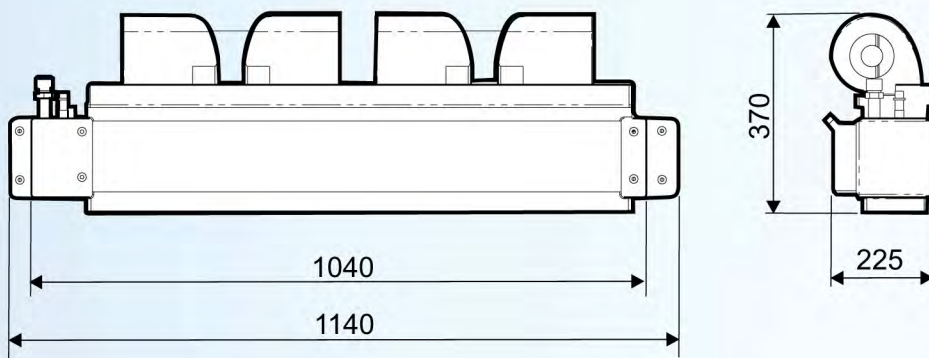
Heating kit (optional)

Air Conditioning System

EU-140



EU-140 Evaporator



Compatible with the following vehicles:

Mercedes: Sprinter 518, Vario

Volkswagen Crafter 50

Iveco Daily 50C

Ford: Jumbo

Opel Vivaro, Movano include new model 2010

Renault Master include new model 2010

Used with additional condenser CU-2000 and additional compressor

Heating kit (optional)

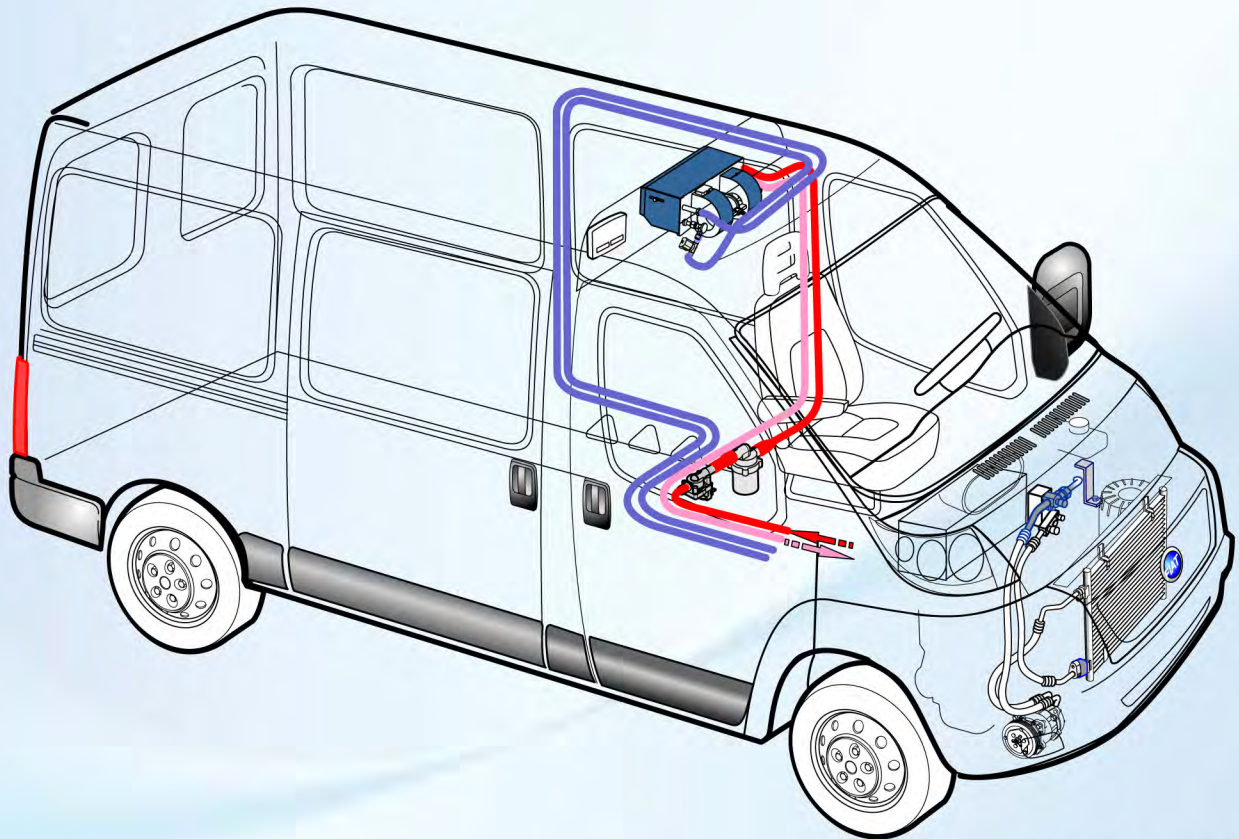
Air Conditioning Systems

HVAC Units

Air Conditioning System

HVAC-40

Ambulance HVAC System



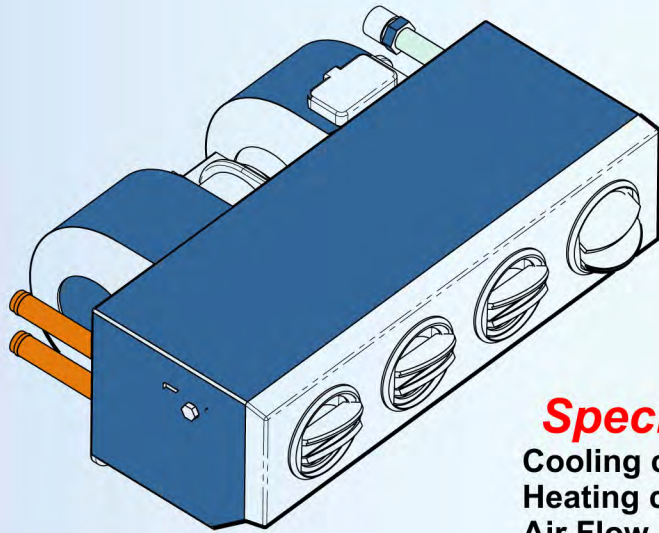
Heating hoses



The Autocool advantage

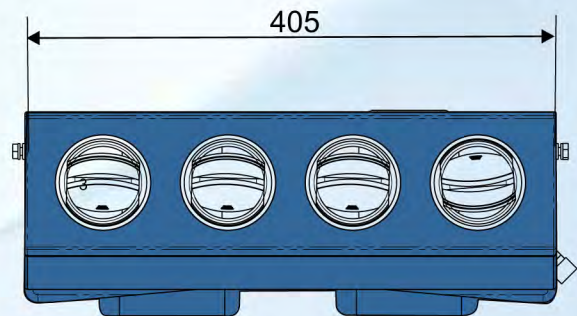
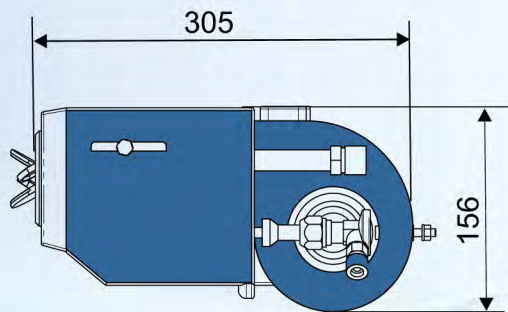
- * Complete kit - Ready for installation
- * Independent front and rear temperature control
- * Full automatic climate control - standard
- * Produced from high quality parts

EU-40 HVAC Unit



Specifications

Cooling capacity:	14,280 BTU/hr (4.2 kW)
Heating capacity:	8,400 BTU/hr (2.5 kW)
Air Flow	540 m ³ /h
Air Flow	3 speed
Voltage	12 VDC (option 24V)
Current consumption	8.5 A
Weight	4.6 kg

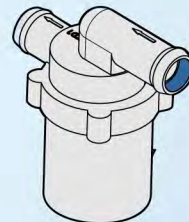


Heating circulation pump

Extremely long life and quiet operation

High quality long life thanks to:

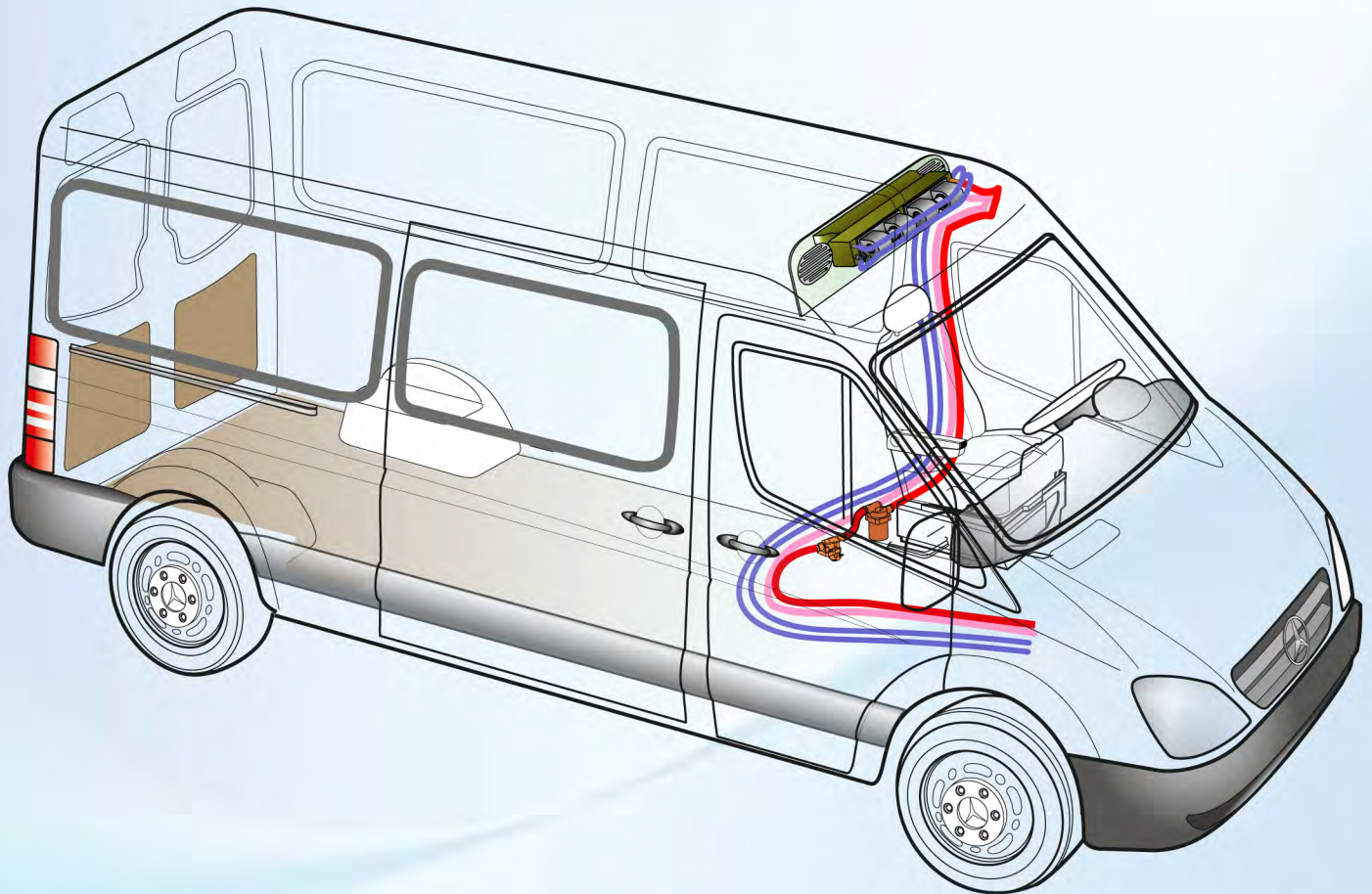
- *Brush-less, Centrifugal
- *Magnetic drive
- *Ceramic shaft
- *Up to 100°C water



Air Conditioning System

HVAC-60

Ambulance HVAC System



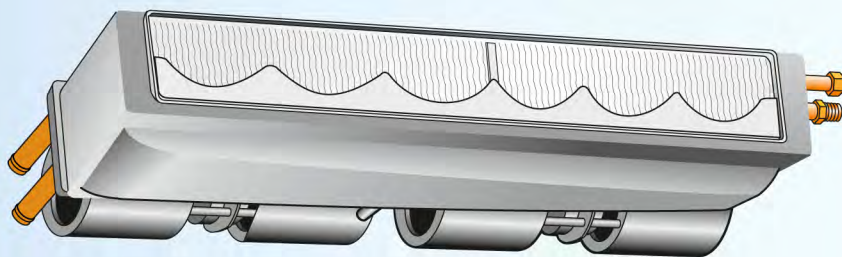
Heating hoses



The Autocool advantage

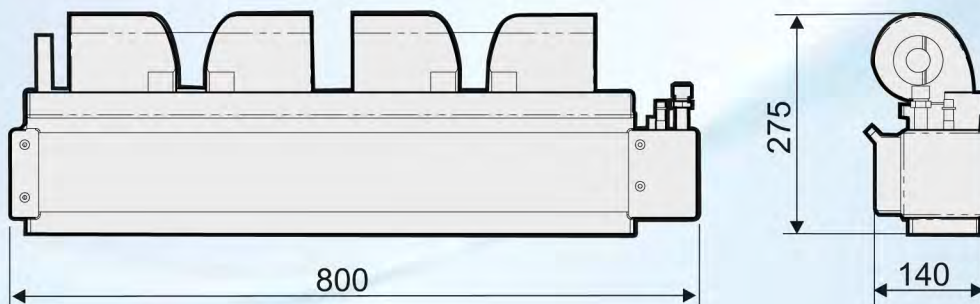
- * Complete kit - Ready for installation
- * Independent front and rear temperature control
- * Full automatic climate control - standard
- * Produced from high quality parts

EU-60 HVAC Unit



Specifications

Cooling capacity:	20,400 BTU/hr (6 kW)
Heating capacity:	10,400 BTU/hr (3.1 kW)
Air Flow	1200 m ³ /h
Air Flow	3 speed
Voltage	12 VDC (option 24V)
Current consumption	12 A
Weight	7.6 kg

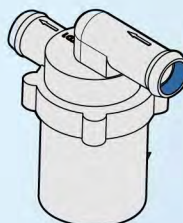


Heating circulation pump

Extremely long life and quiet operation

High quality long life thanks to:

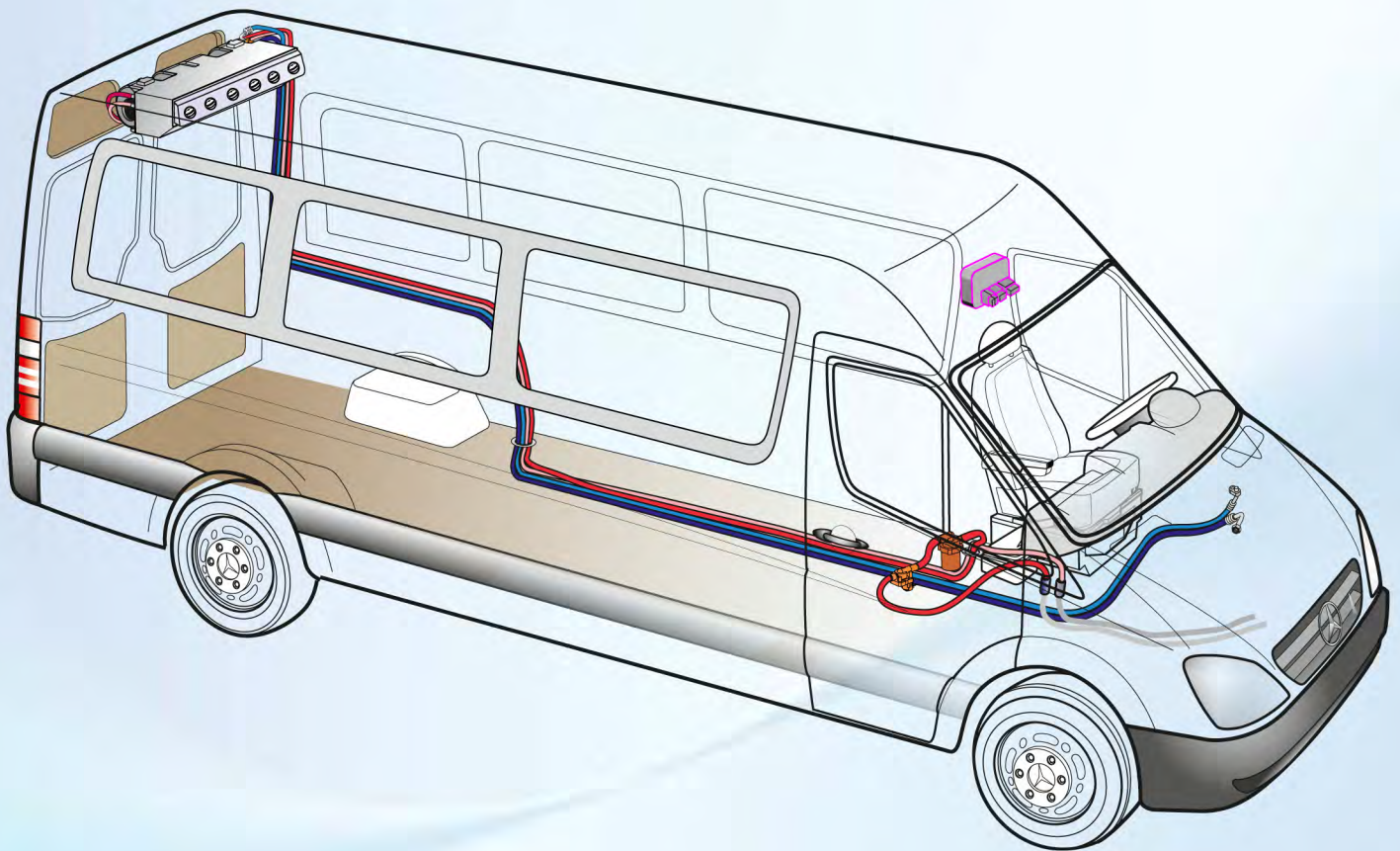
- *Brush-less, Centrifugal
- *Magnetic drive
- *Ceramic shaft
- *Up to 100°C water



Air Conditioning System

HVAC-90

Ambulance HVAC System



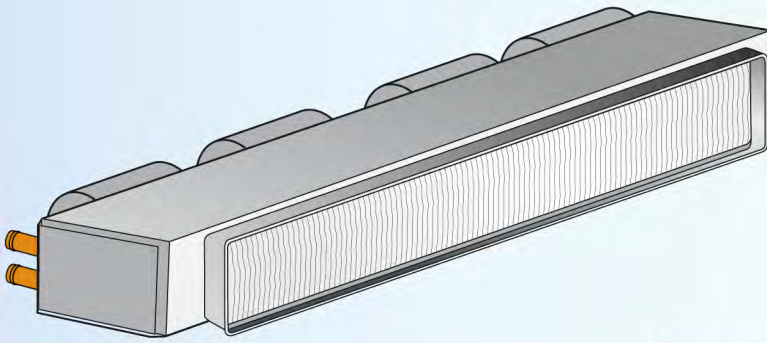
Heating hoses



The Autocool advantage

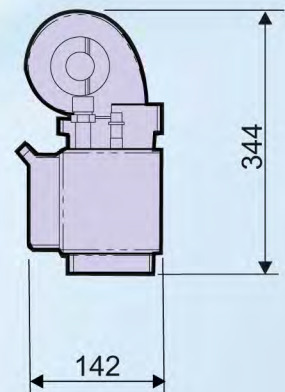
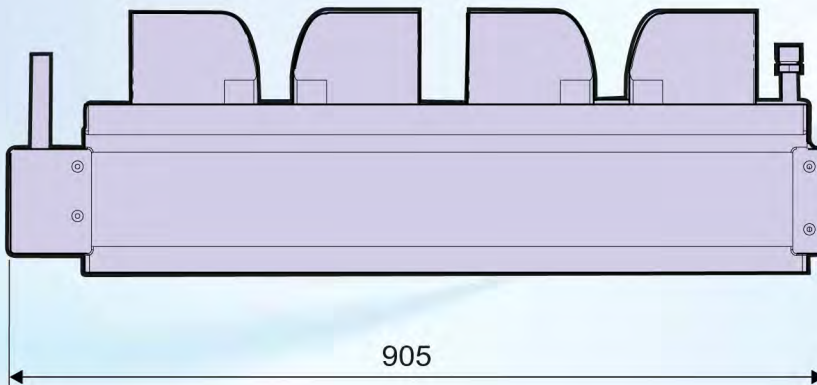
- * Complete kit - Ready for installation
 - * Independent front and rear temperature control
 - * Full automatic climate control - standard
 - * Produced from high quality parts
- *System is designed with additional condenser**

EU-90 HVAC Unit



Specifications

Cooling capacity:	30,600 BTU/hr (9 kW)
Heating capacity:	18,200 BTU/hr (5.4 kW)
Air Flow	1500 m ³ /h
Air Flow	3 speed
Voltage	12 VDC (option 24V)
Current consumption	19 A
Weight	9.2 kg

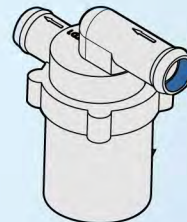


Heating circulation pump

Extremely long life and quiet operation

High quality long life thanks to:

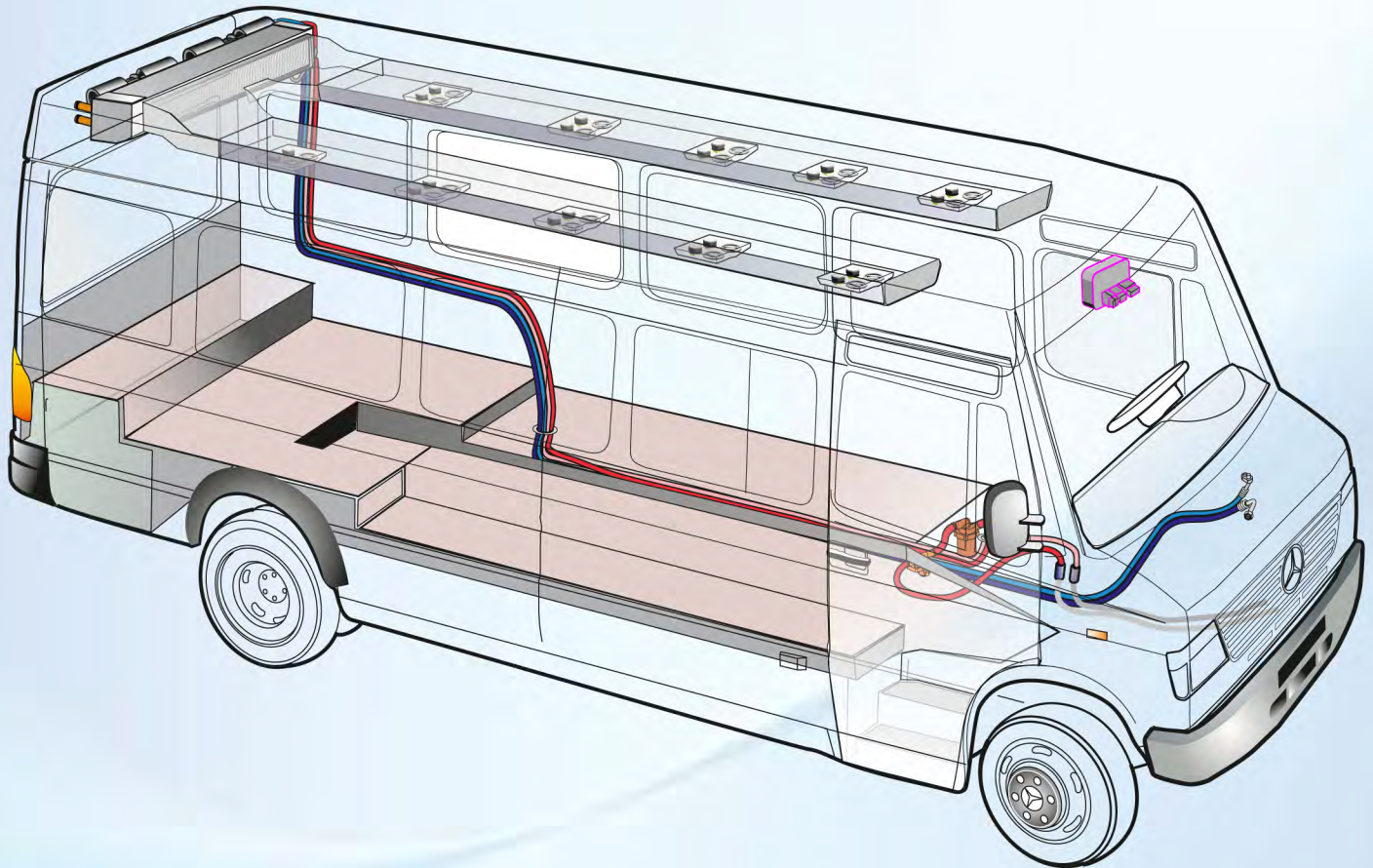
- *Brush-less, Centrifugal
- *Magnetic drive
- *Ceramic shaft
- *Up to 100°C water



Air Conditioning System

HVAC-140

Ambulance HVAC System



Heating hoses

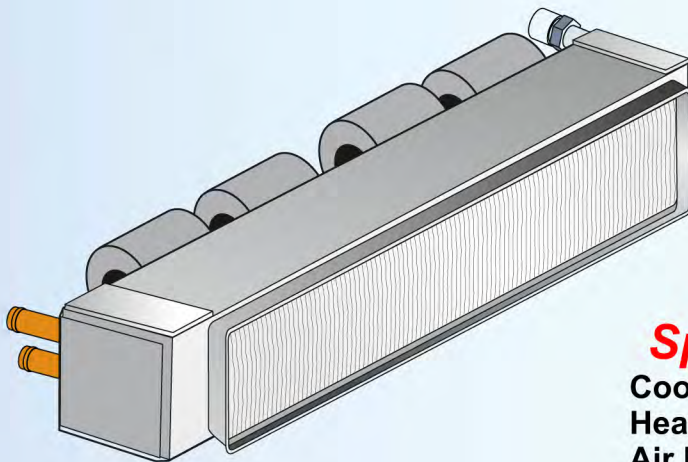


The Autocool advantage

- * Complete kit - Ready for installation
- * Independent front and rear temperature control
- * Full automatic climate control - standard
- * Produced from high quality parts

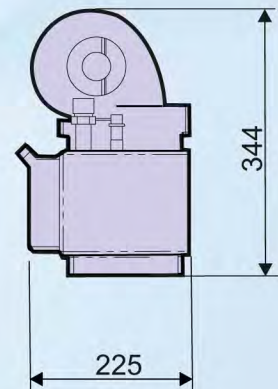
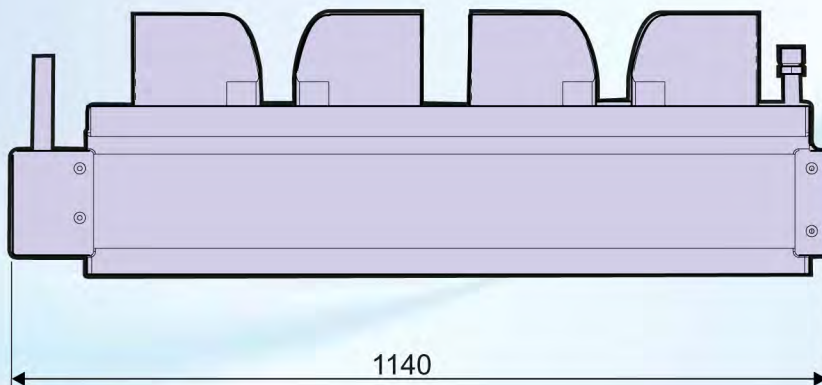
***System is designed with additional condenser and additional compressor**

EU-140 HVAC Unit



Specifications

Cooling capacity:	47,600 BTU/hr (14 kW)
Heating capacity:	31,900 BTU/hr (9.4 kW)
Air Flow	2000 m ³ /h
Air Flow	3 speed
Voltage	12 VDC (option 24V)
Current consumption	24 A
Weight	14.2 kg

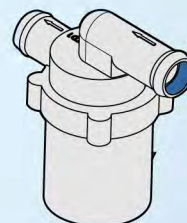


Heating circulation pump

Extremely long life and quiet operation

High quality long life thanks to:

- *Brush-less, Centrifugal
- *Magnetic drive
- *Ceramic shaft
- *Up to 100°C water



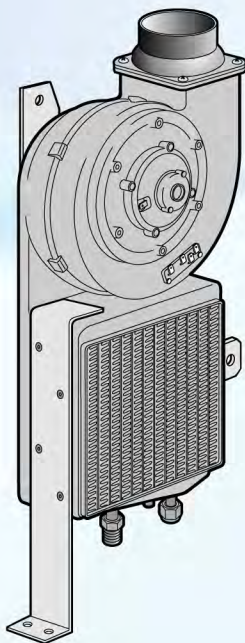
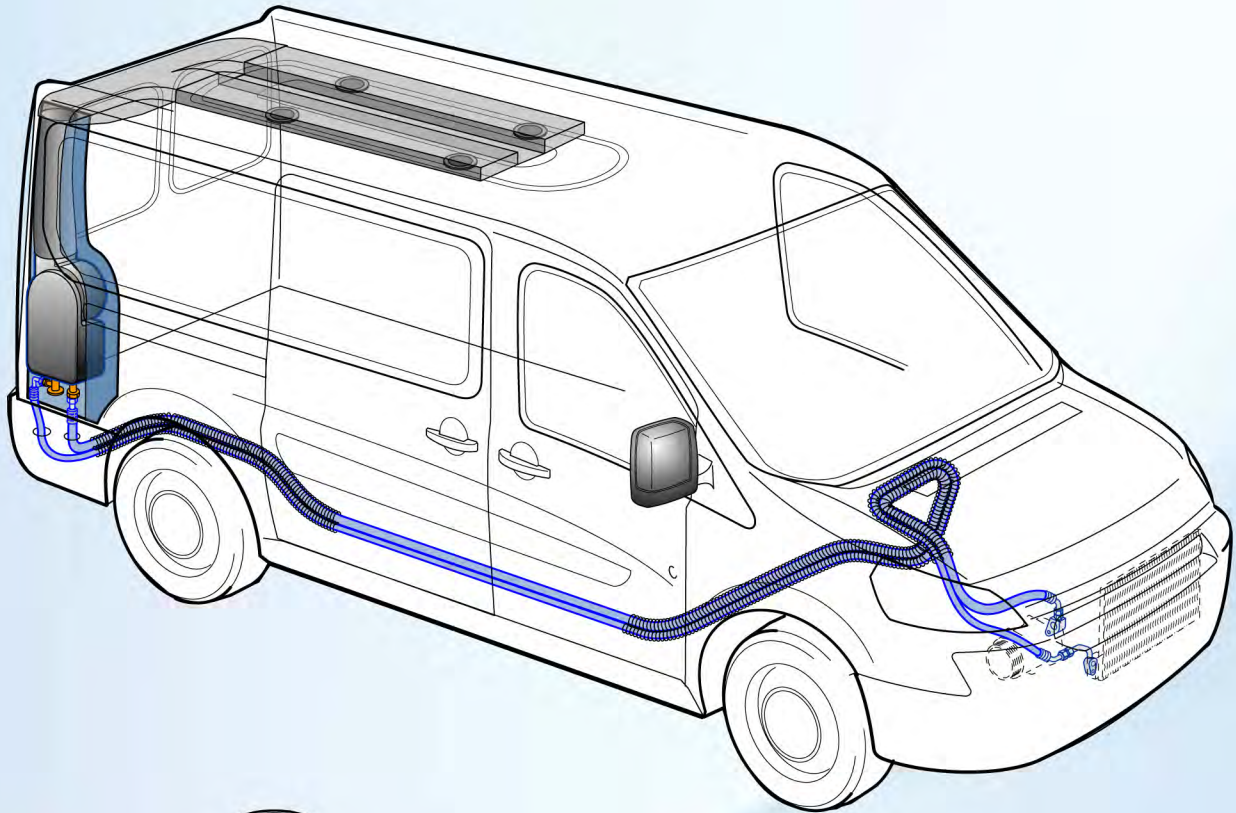
Air Conditioning Systems

Integrated Units

Air Conditioning System

Integrated System

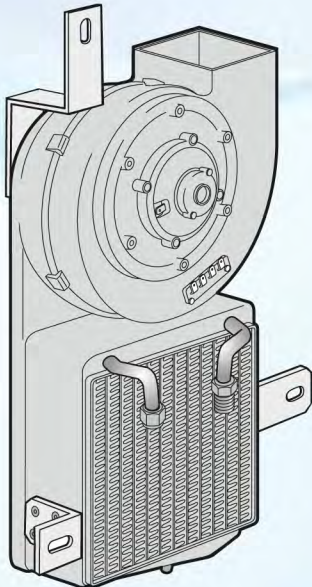
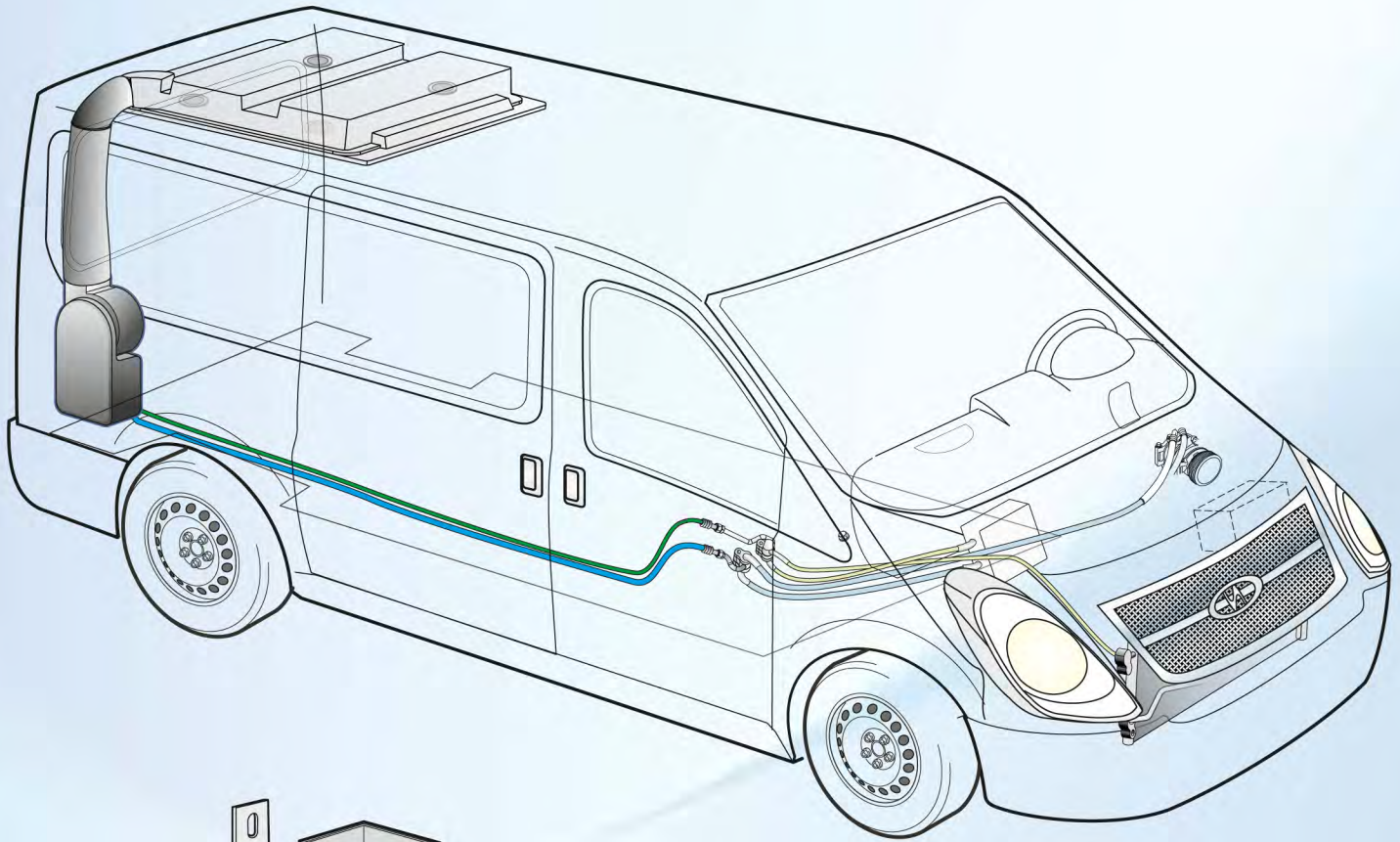
Technical data is similar to model EU-60



Air Conditioning System

Integrated System

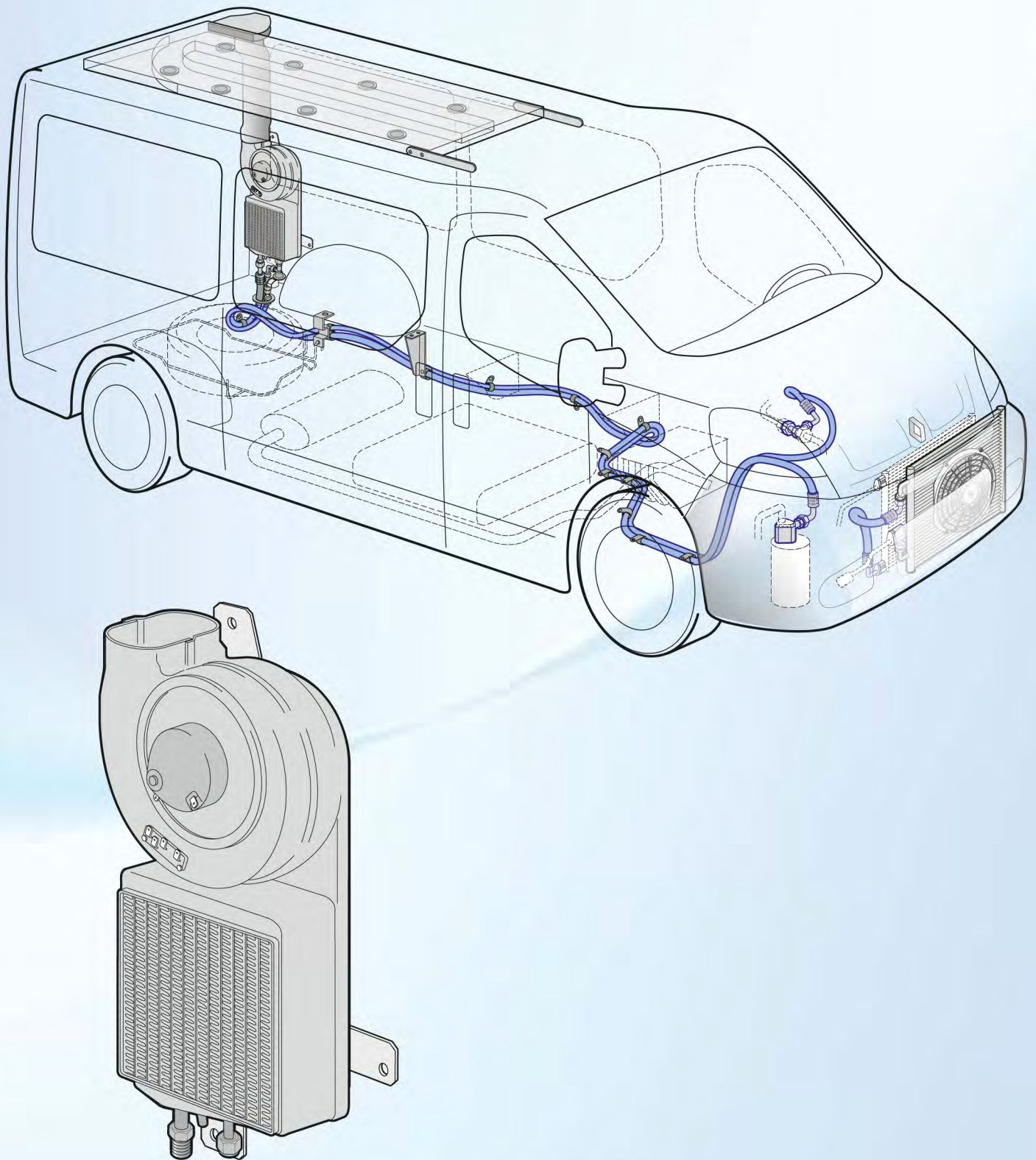
Technical data is similar to model EU-60



Air Conditioning System

Integrated System

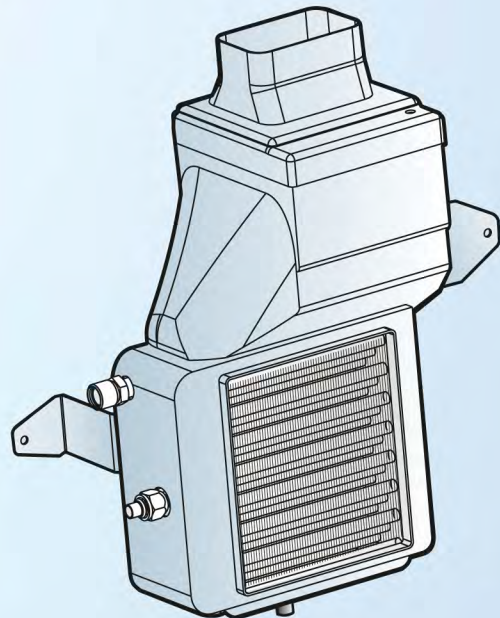
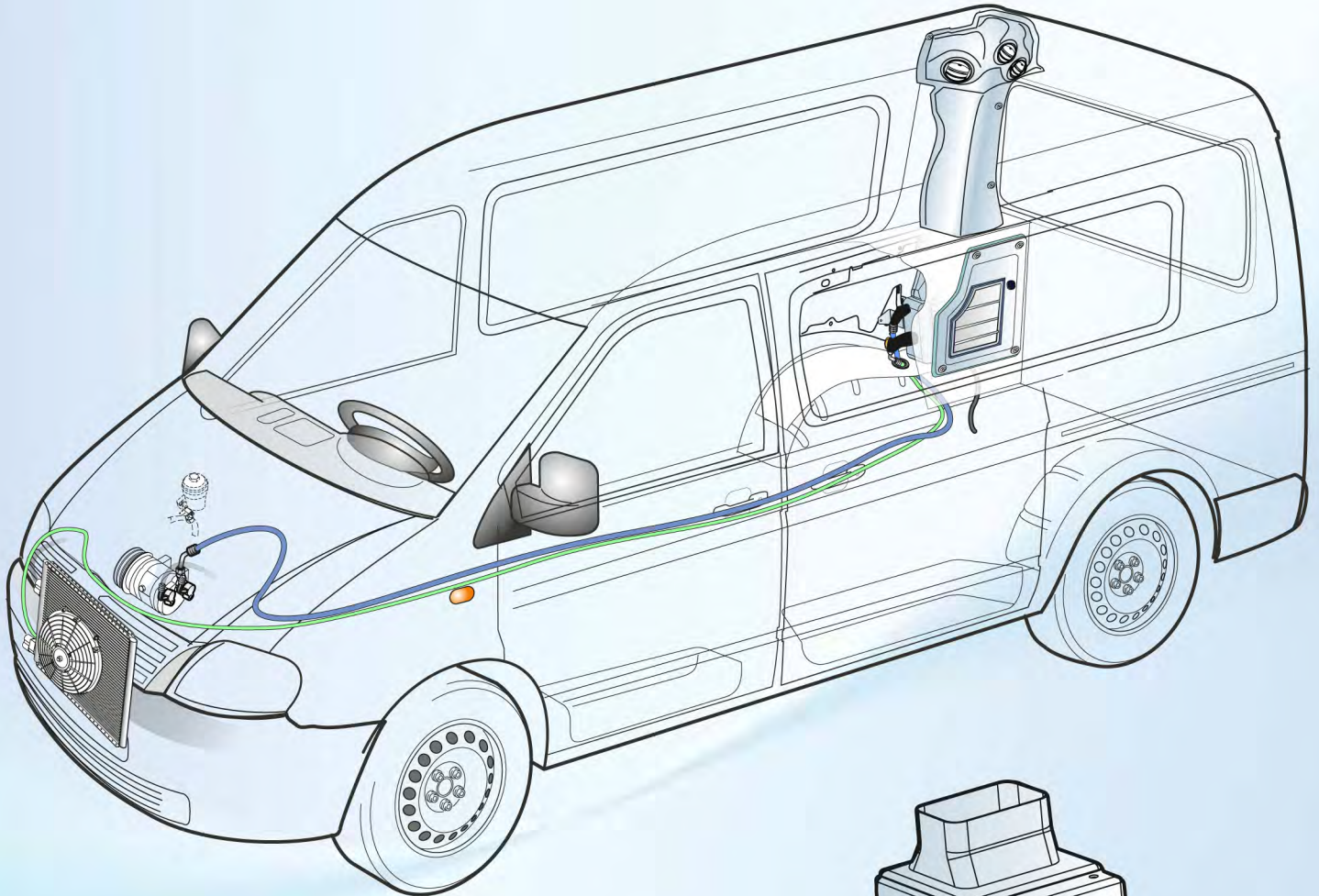
Technical data is similar to model EU-60



Air Conditioning System

Integrated System

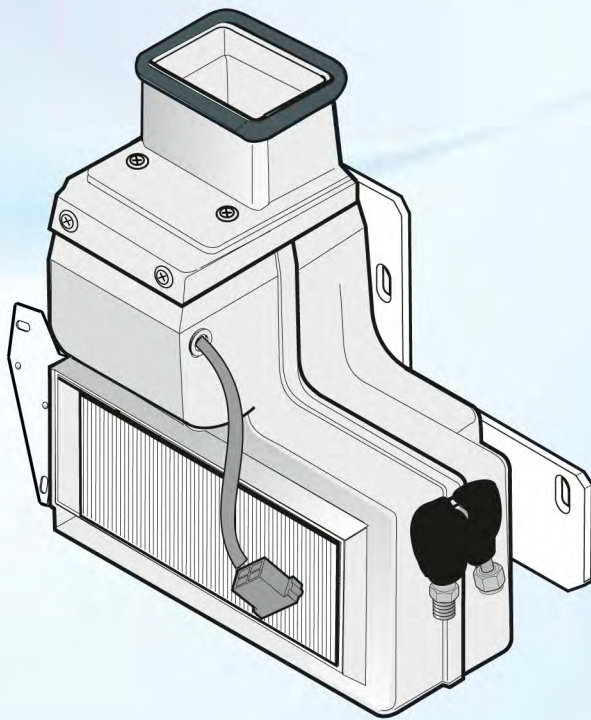
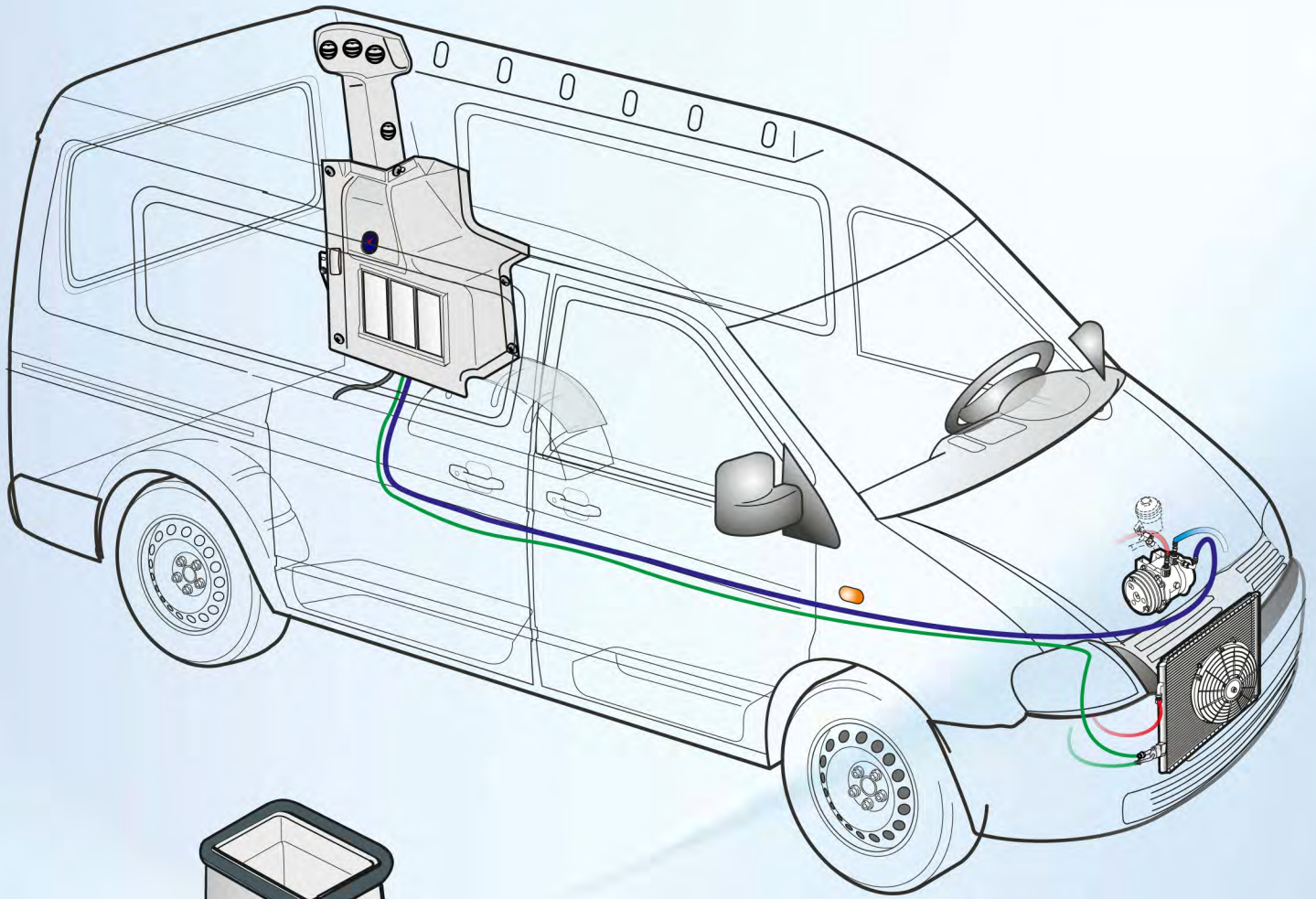
Technical data is similar to model EU-60



Air Conditioning System

Integrated System

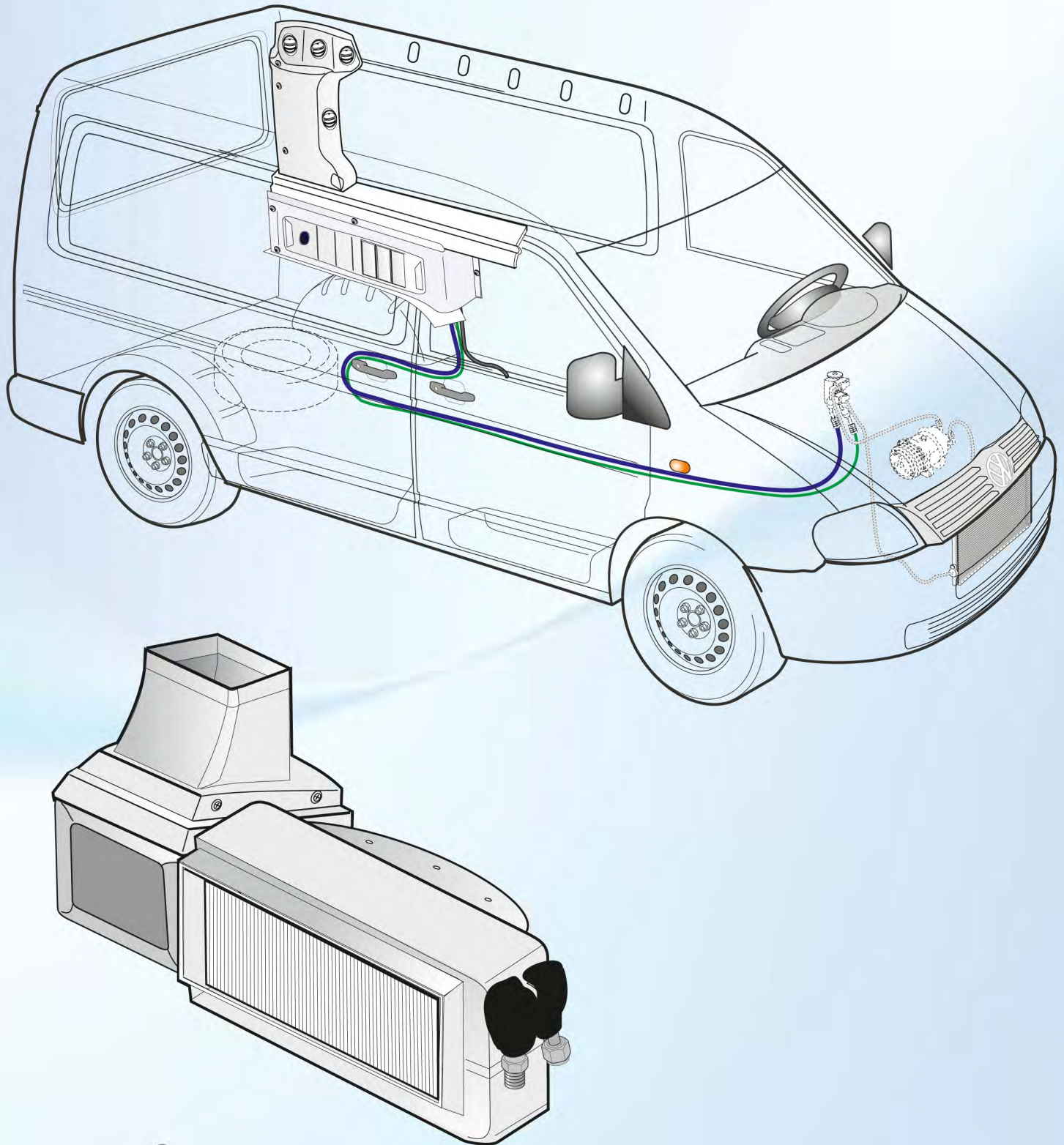
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Air Conditioning System

Integrated System

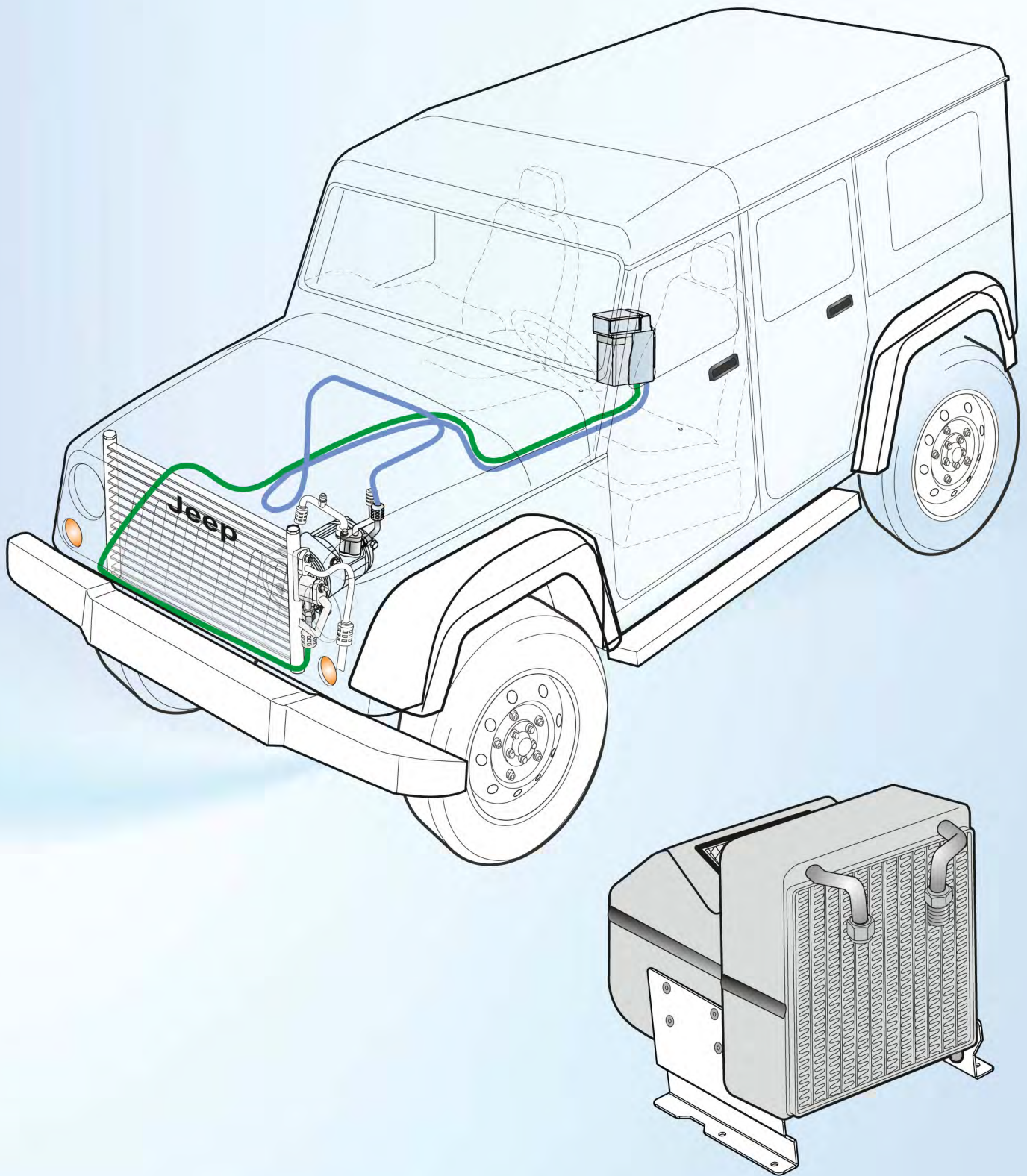
Technical data is similar to model EU-60



Air Conditioning System

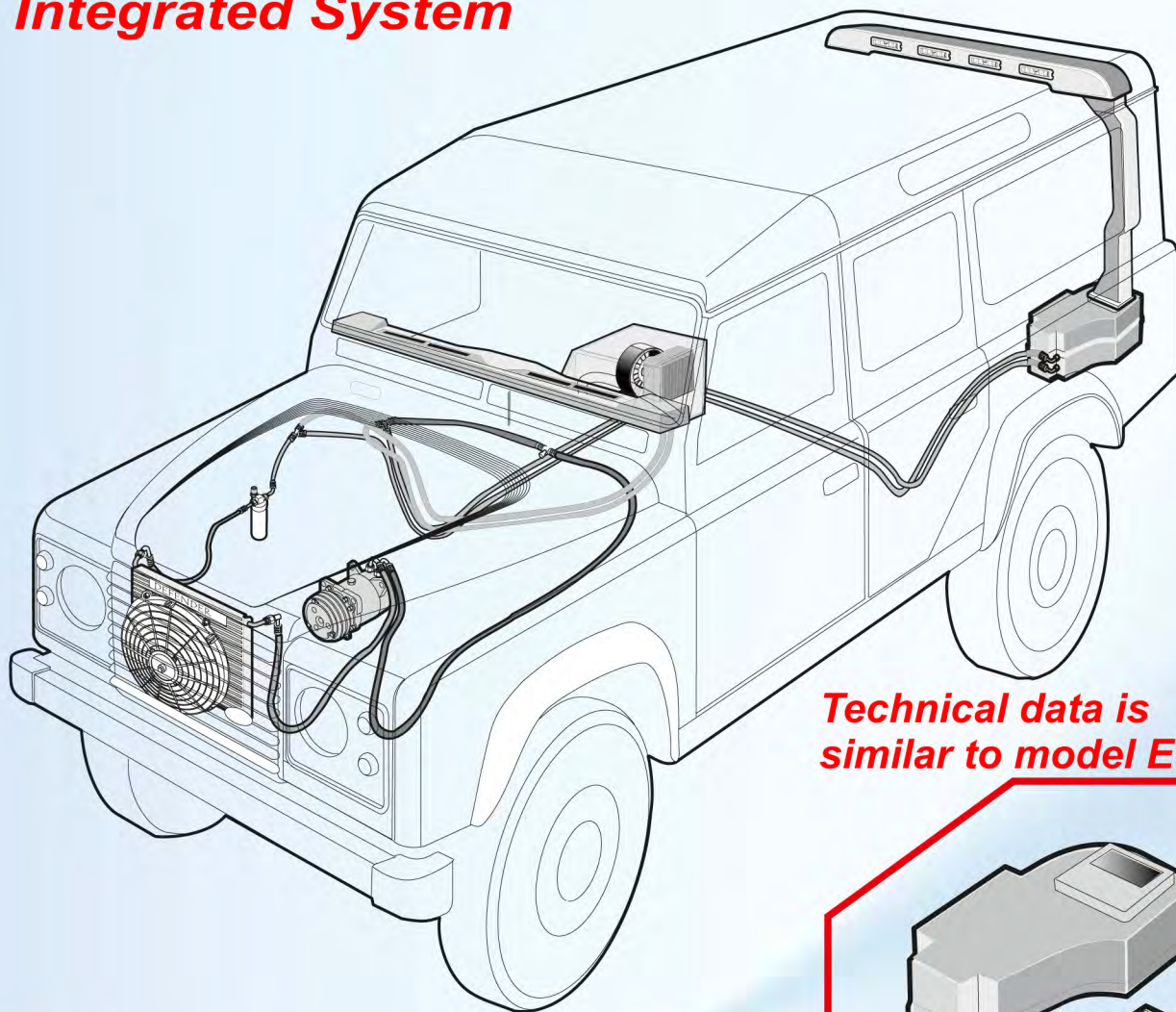
Integrated System

Technical data is similar to model EU-60



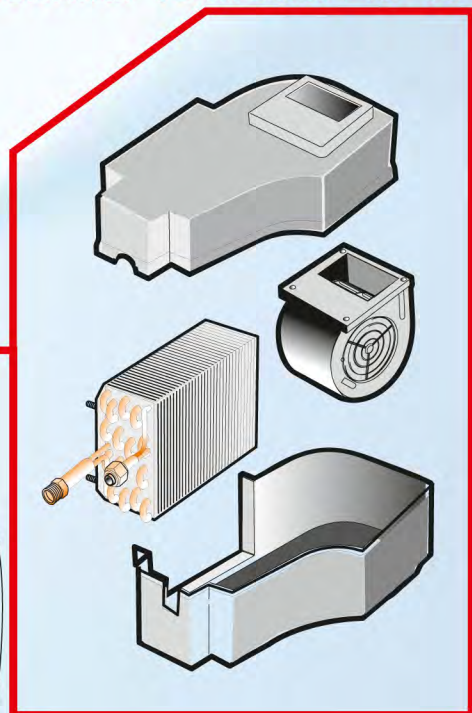
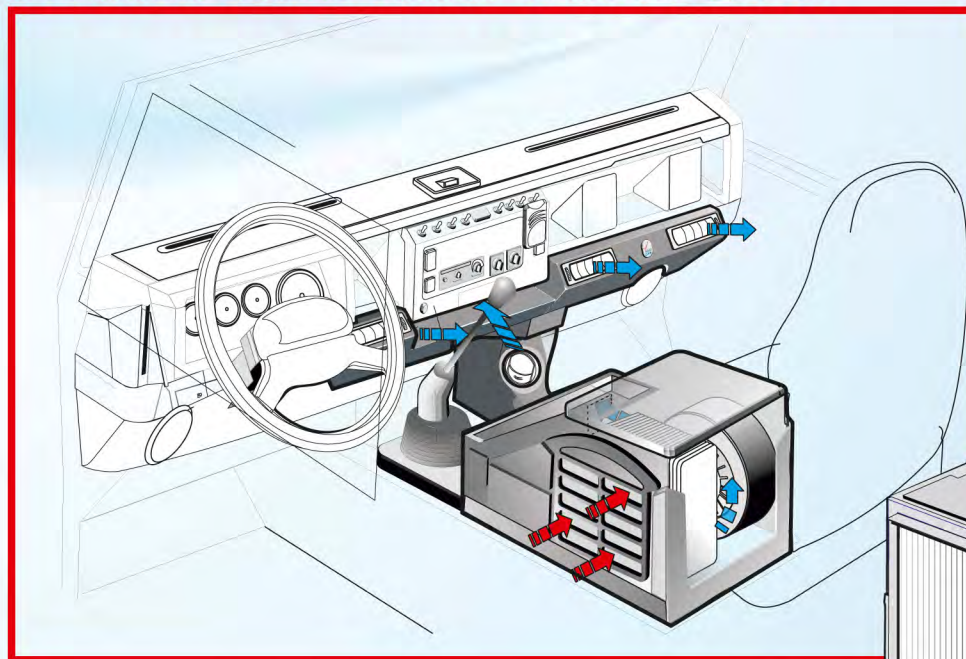
Air Conditioning System

Integrated System



Technical data is similar to model EU-40

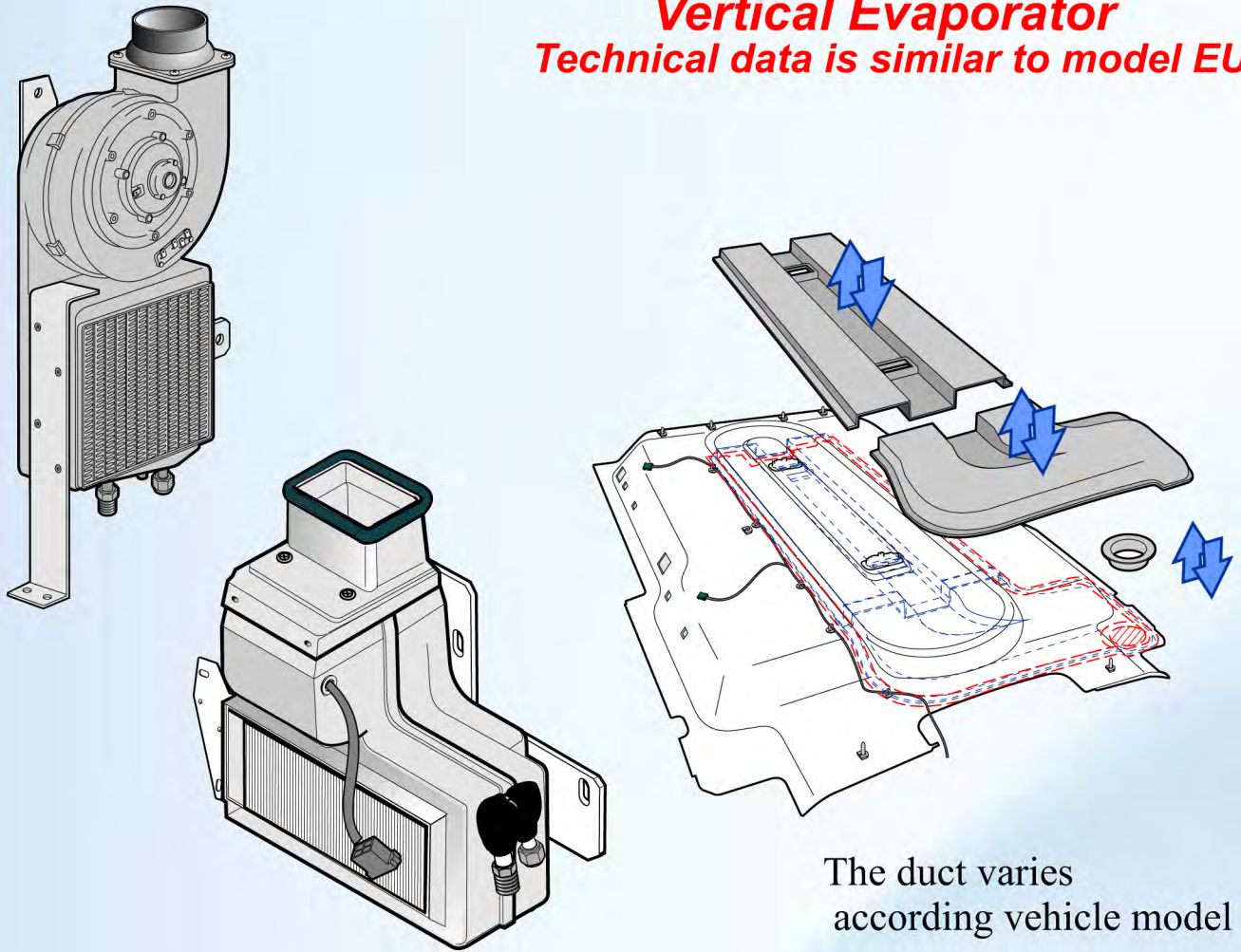
Technical data is similar to model EU-60



Air Conditioning System

Vertical Evaporator

Technical data is similar to model EU-60


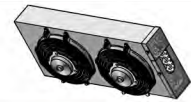
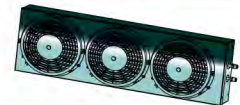

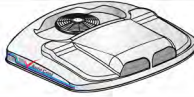

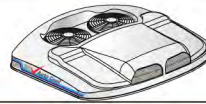


The duct varies
according vehicle model

Compatible with the following vehicles:

Citroen Jumpy
Hyunday I800
Volkswagen Caddy
Volkswagen Transporter T5
Renault Trafic
Land Rover Defender
Toyota Hiace
Jeep Wrangler include new model 2011

Condenser Units

N	Type	Description	Capacity		Air Flow (m ³ /h) *	Current Consumption (A)	Net Weight (kg)	Figure
			(BTU/h)	(kW)				
1	Under floor design	CU-420	13,600	4	1370	7	4.6	
2		CU-700	34,000	10	2740	14	14.1	
3		CU-900	54,400	16	4000	21	18.14	
4	Roof top design	CU-800	20,400	6	1370	7		
5		CU-1000 400-00-007	27,200	8	1370	7	13.6	
6		CU-1500 400-00-008	34,000	10	2740	14	15.0	
7		CU-2000 400-00-009	54,400	16	2740	14	19	

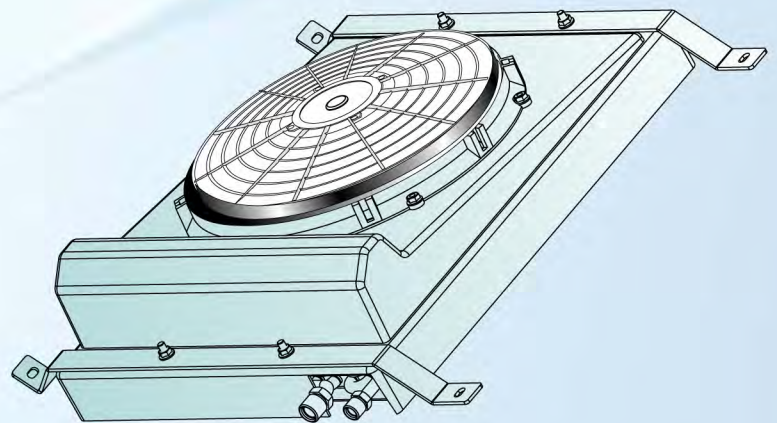
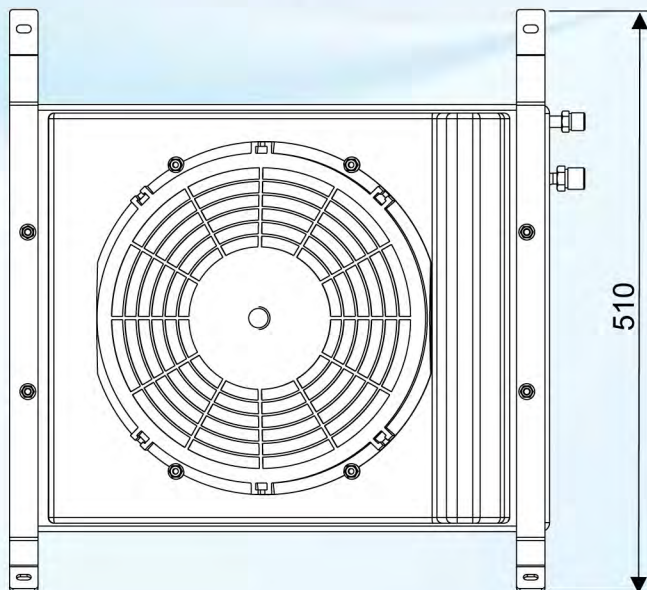
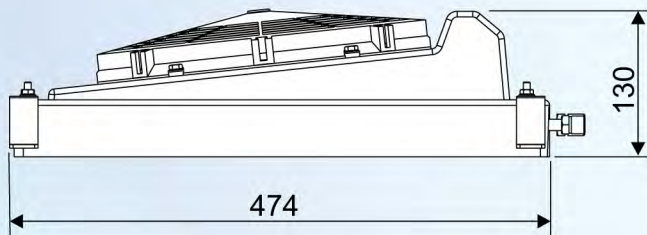
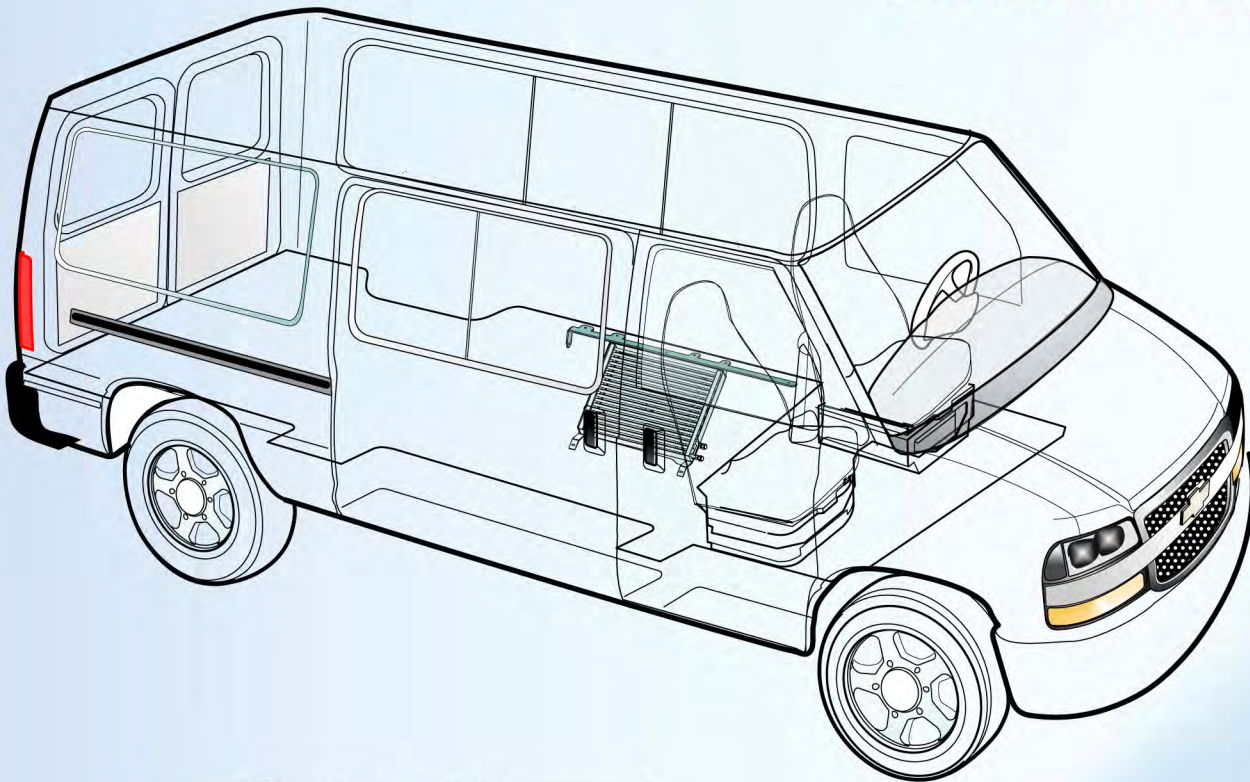
Voltage 12VDC- Standard, 24V DC - Option

* At zero static pressure

Air Conditioning System

CU-420

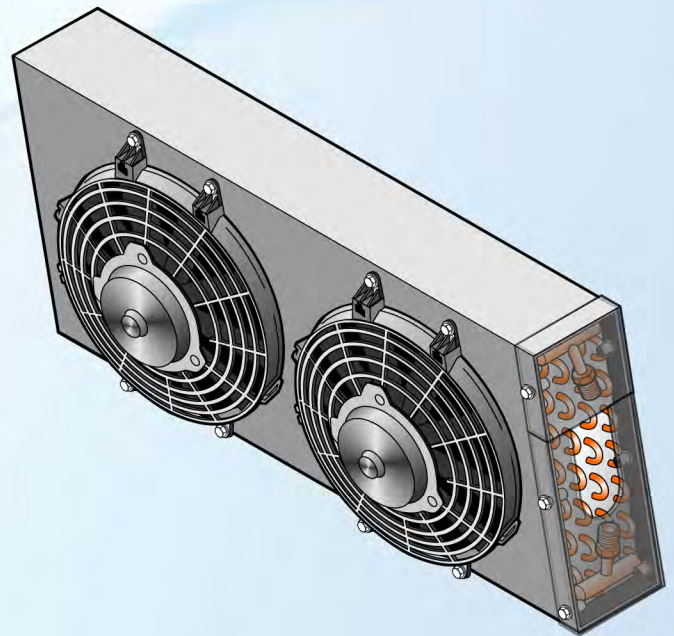
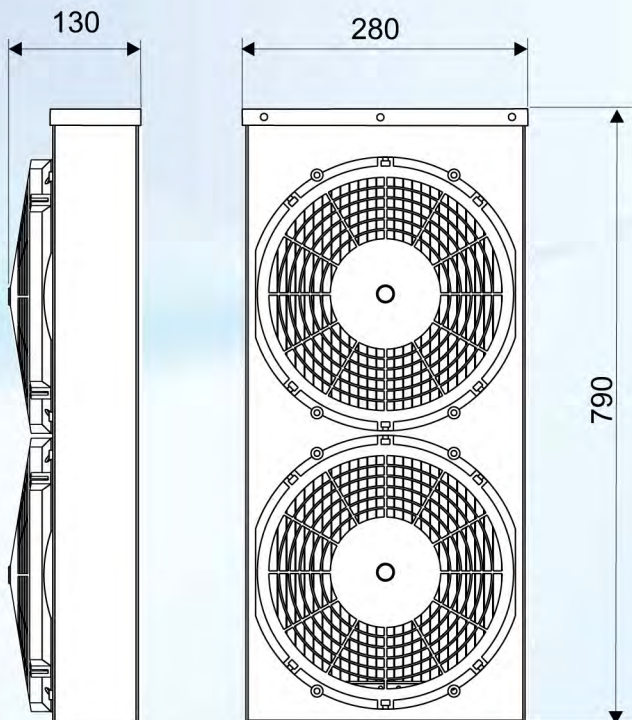
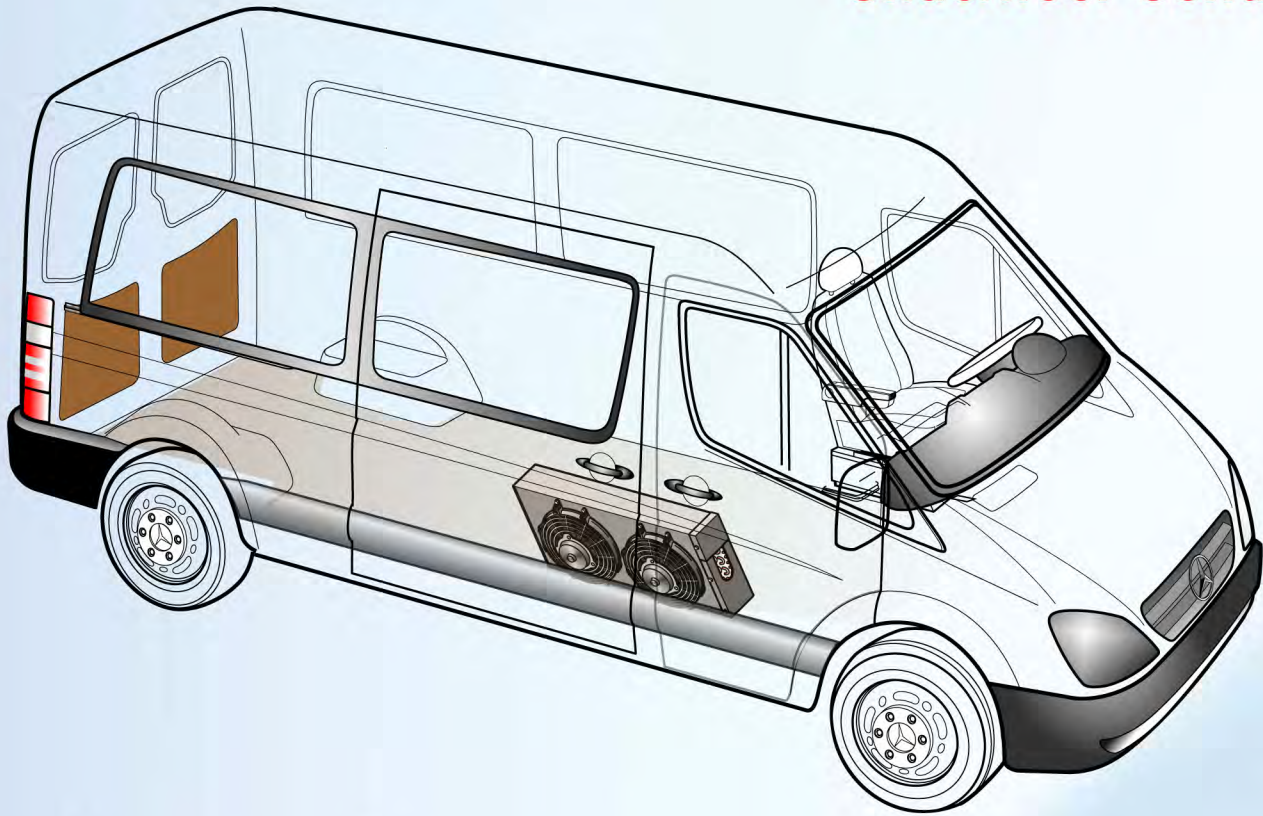
Underfloor Condenser



Air Conditioning System

CU-700

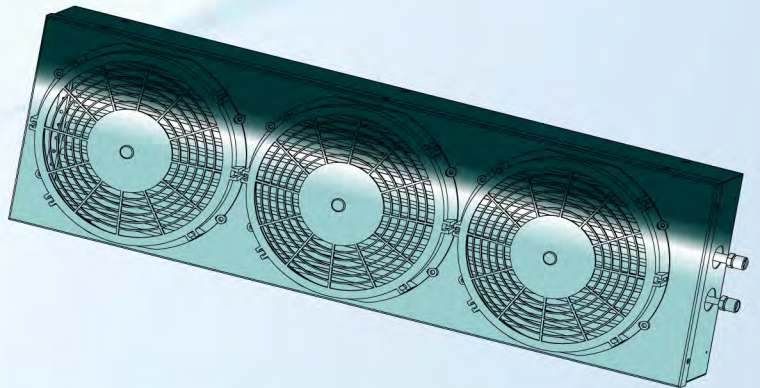
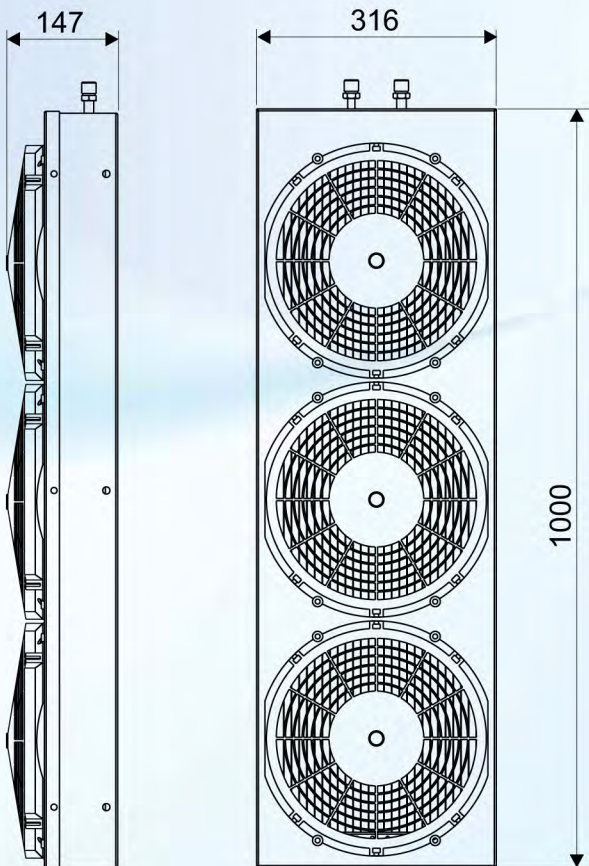
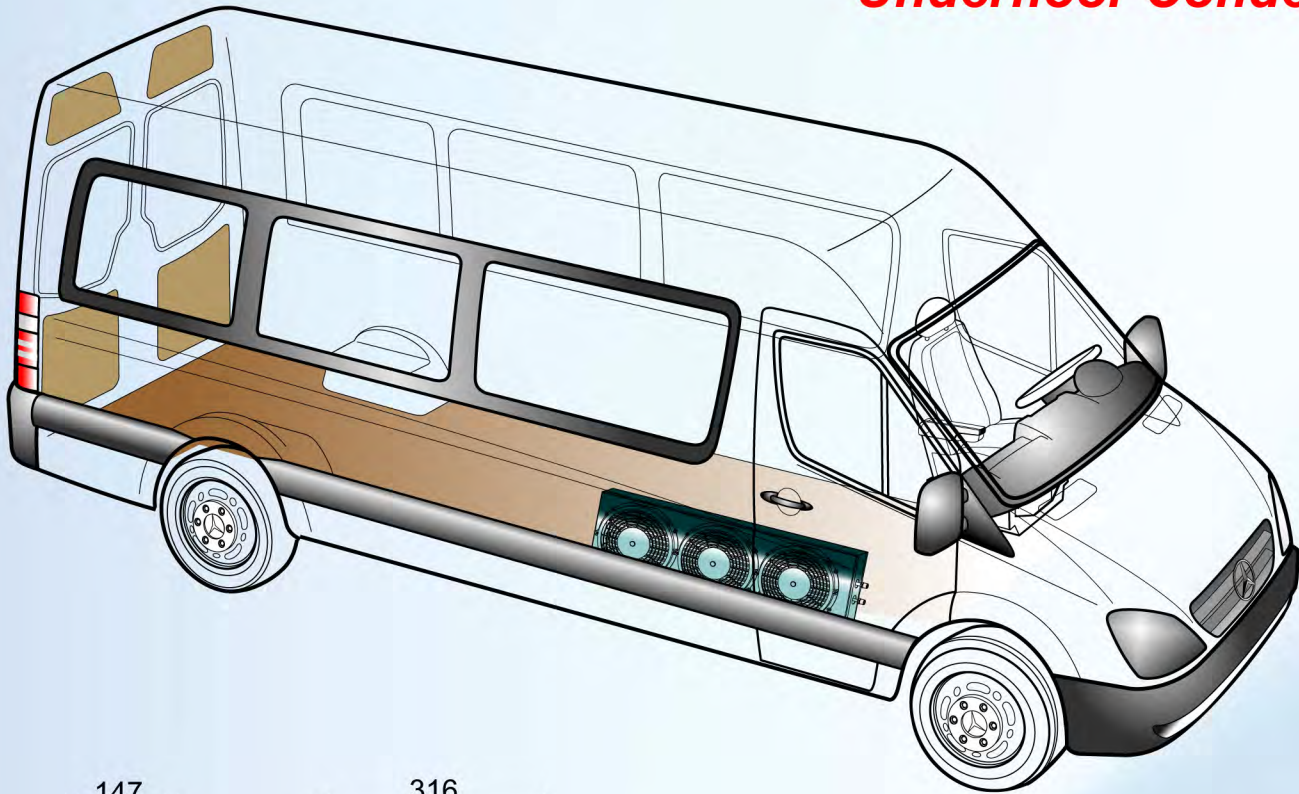
Underfloor Condenser



Air Conditioning System

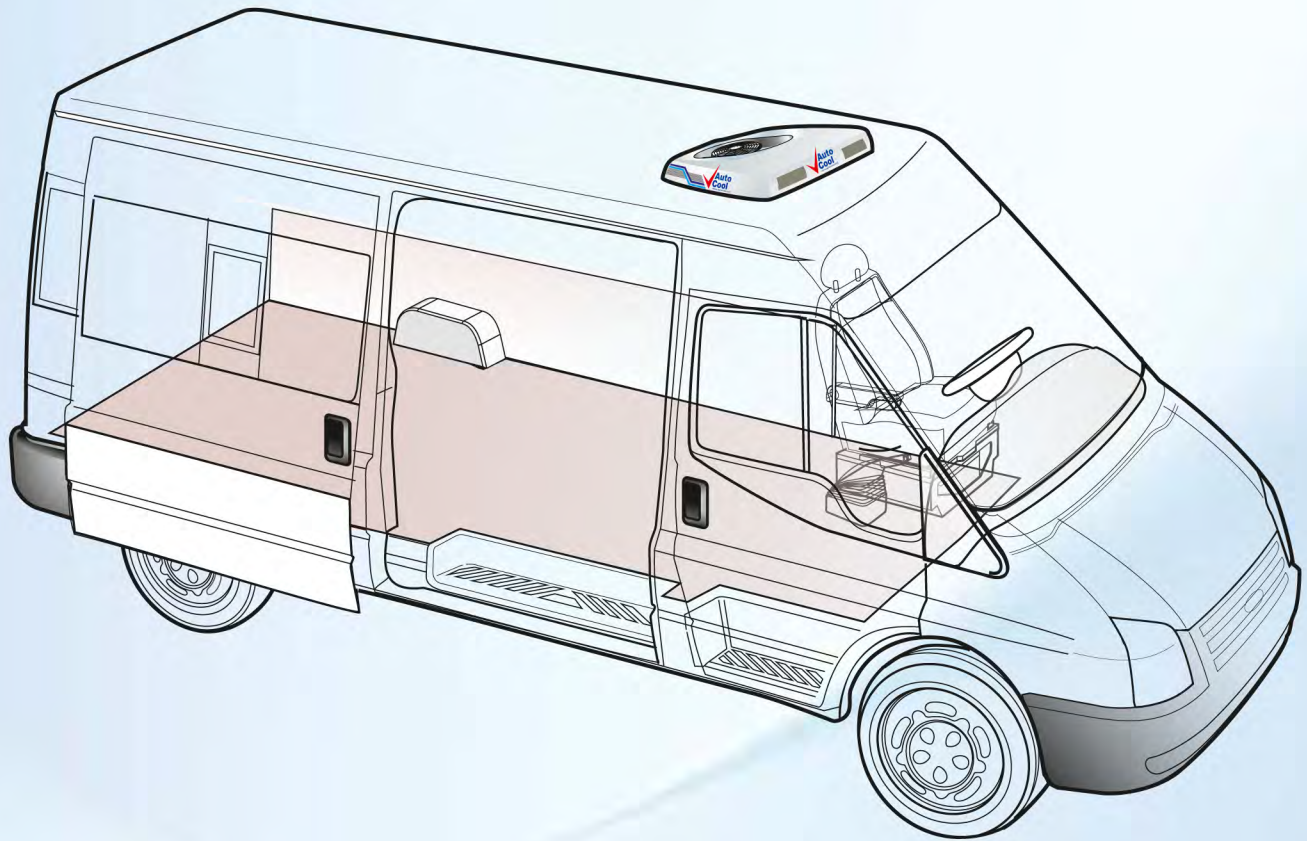
CU-900

Underfloor Condenser



Air Conditioning System **CU-800** *Roof Top Condenser*

New



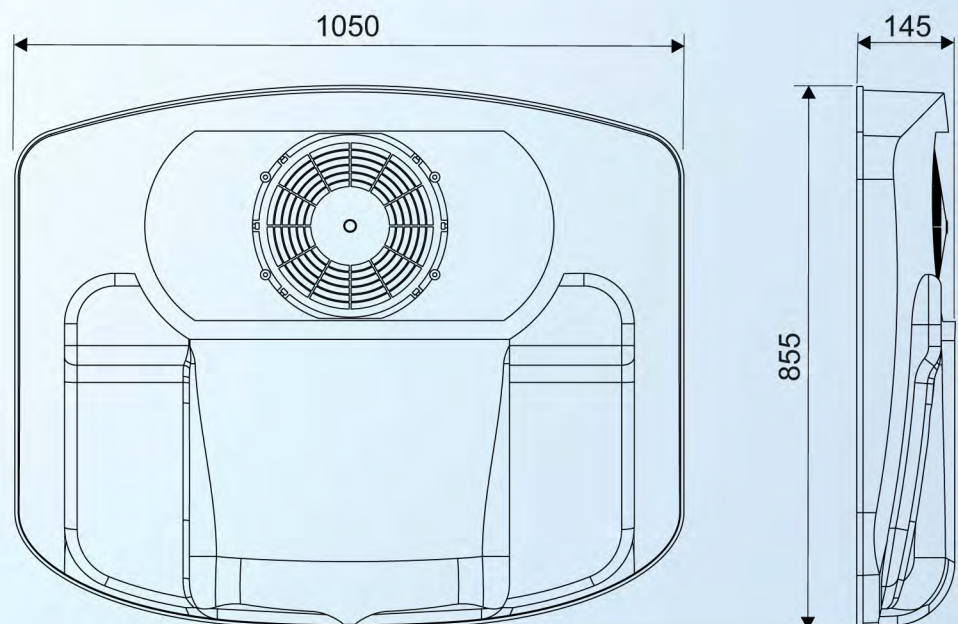
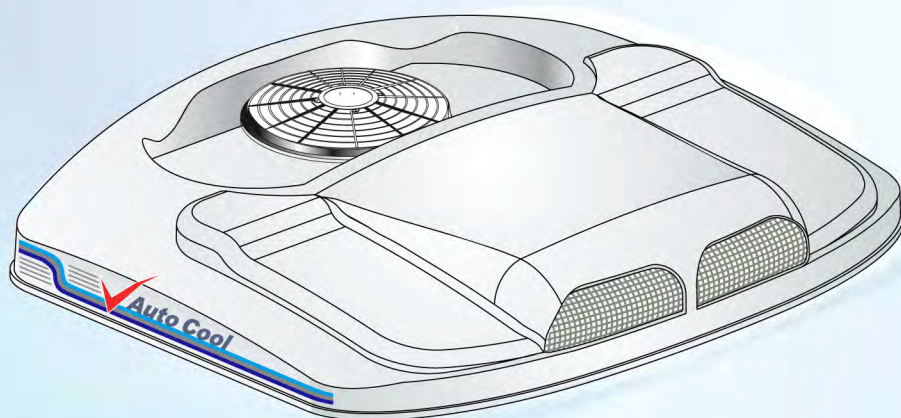
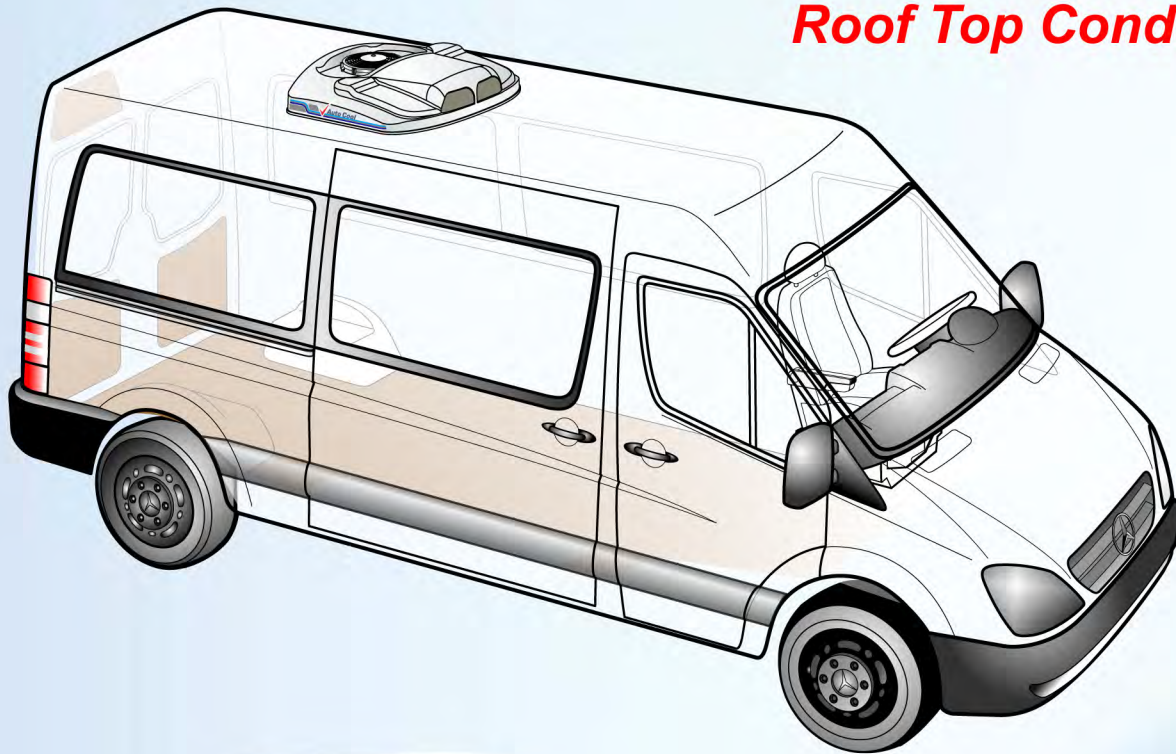
Your Cool Partner
Auto Cool IND. LTD.

www.csv.com.au

Air Conditioning System

CU-1000

Roof Top Condenser



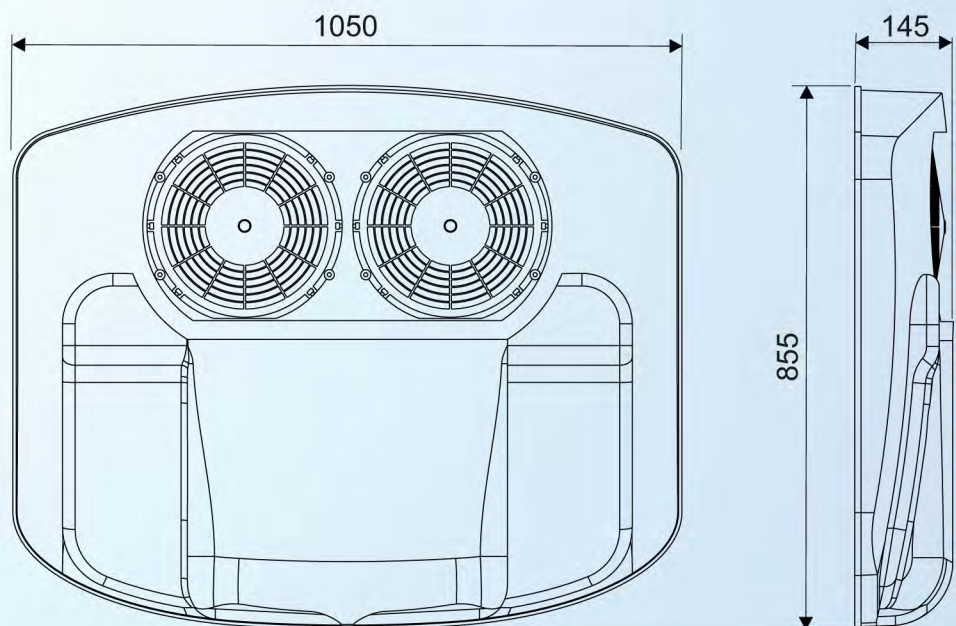
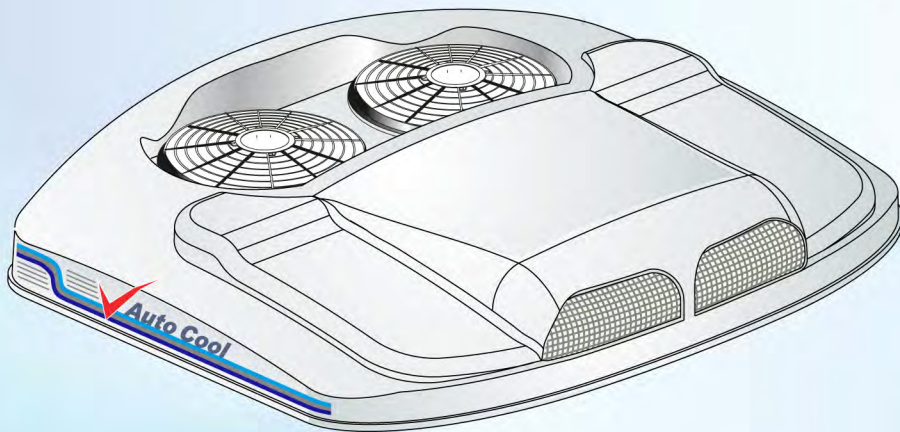
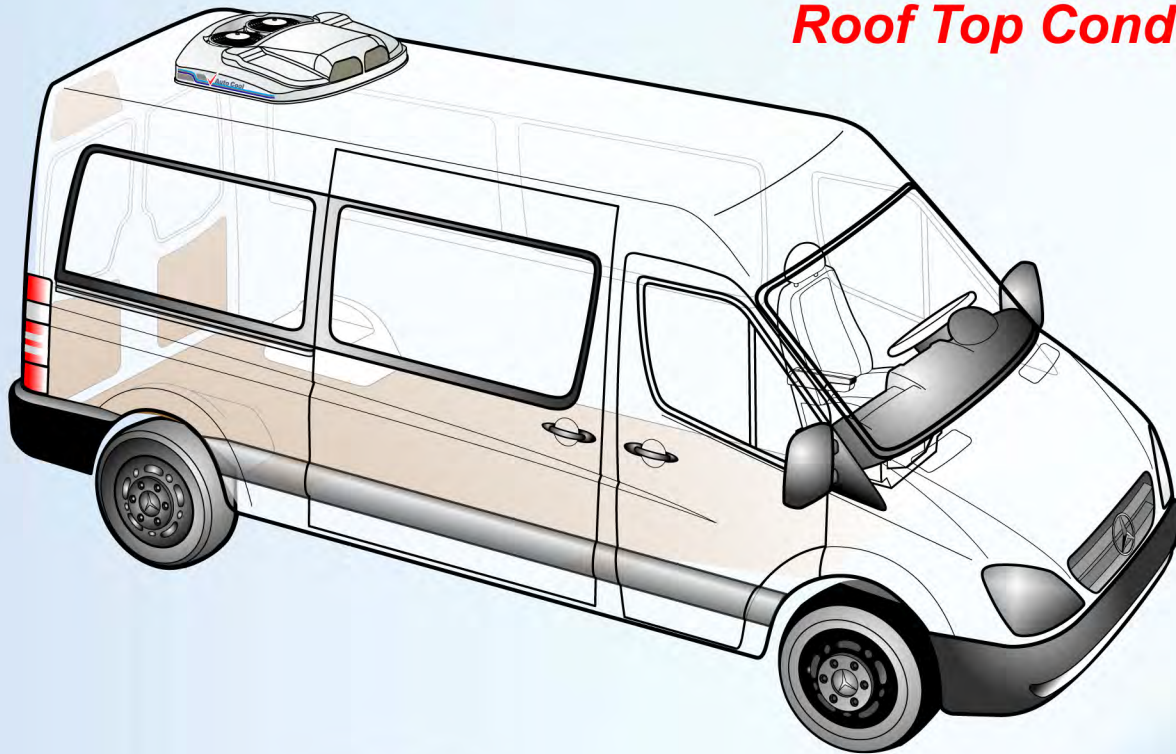
Your Cool Partner
Auto Cool IND. LTD.

www.csv.com.au

Air Conditioning System

CU-1500

Roof Top Condenser



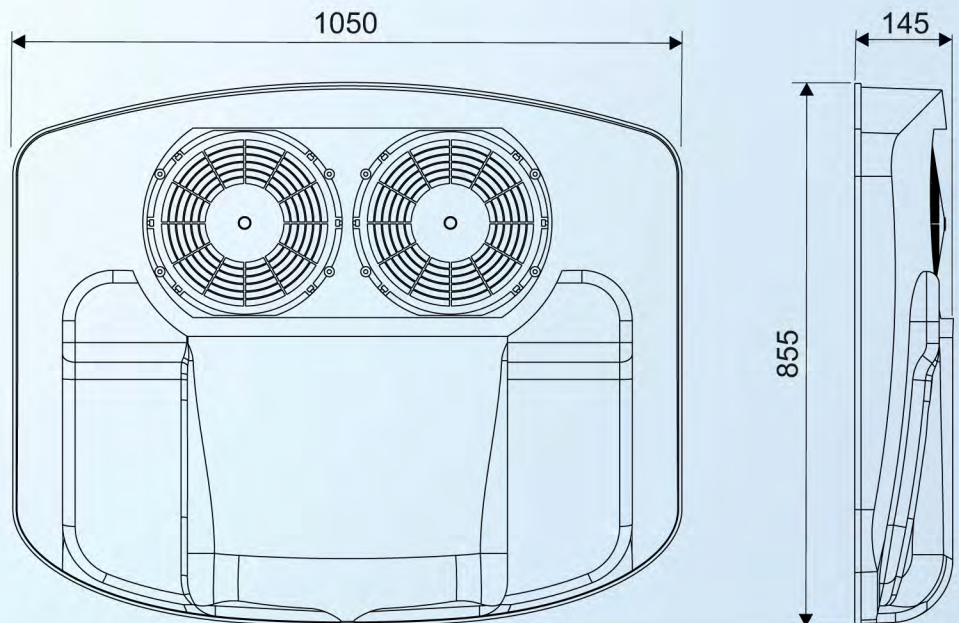
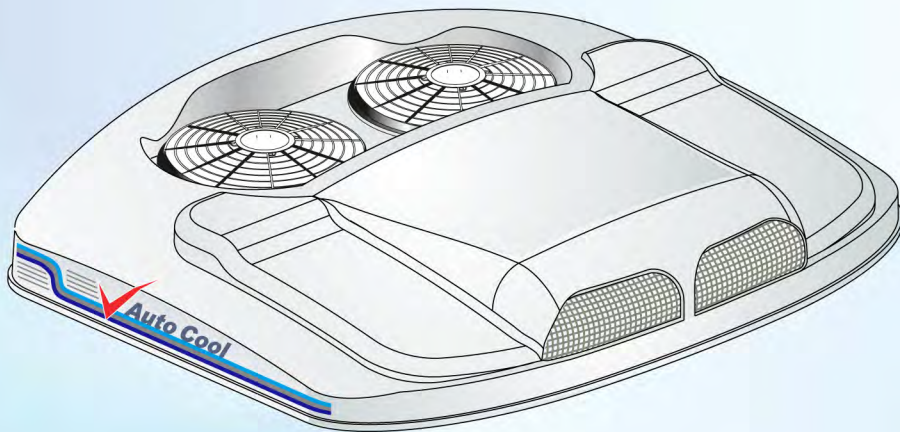
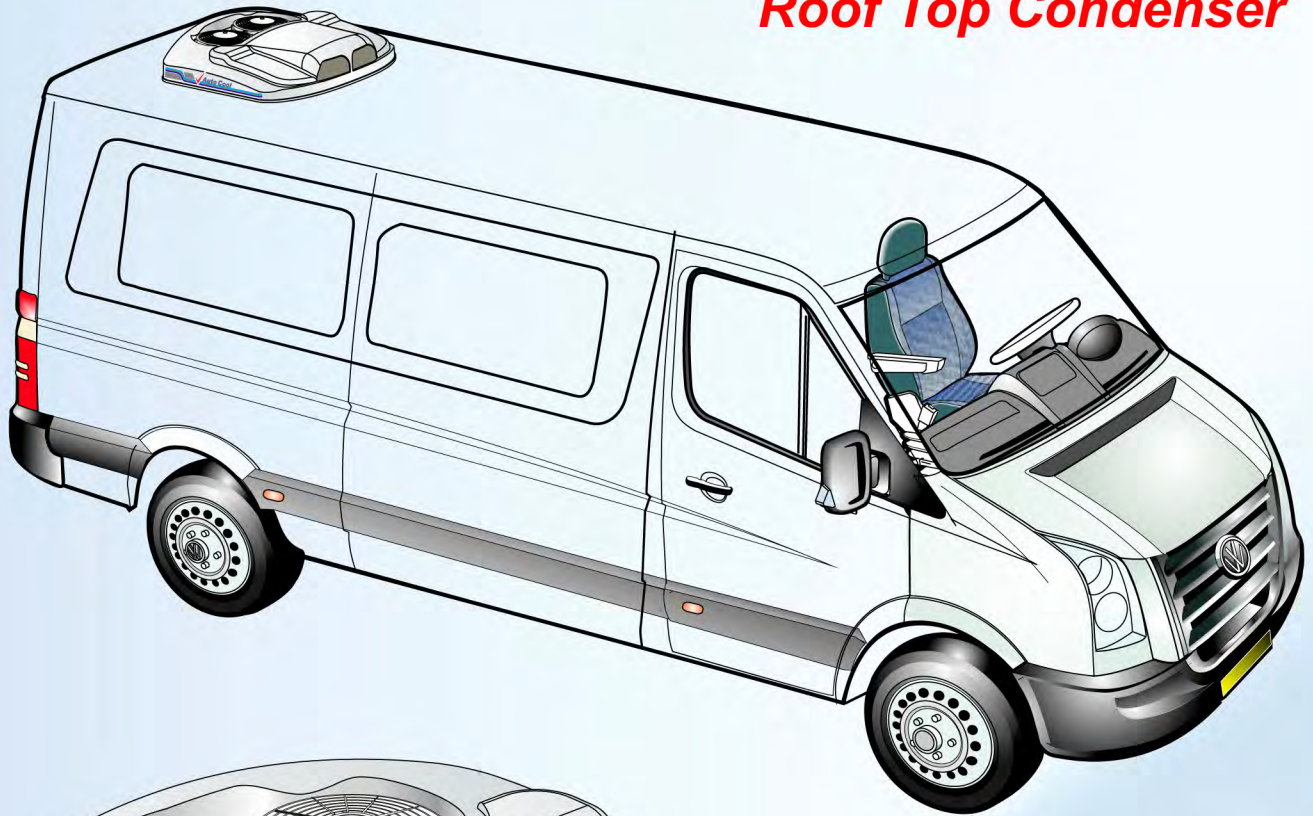
Your Cool Partner
Auto Cool IND. LTD.

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Air Conditioning System

CU-2000



Roof Top Condenser



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Auto Cool IND. LTD.

www.csv.com.au

Automotive Refrigeration

N	Description	Capacity		Defrost	Air Flow (m³/h) *	Current Consumption (A)	Net Weight (kg)	Figure
		Cooling						
		(BTU/h)	(kW)					
1	ERU-1000	3,400	1	Option	1370	7	9.5	
2	ERU-2000	6,800	2	Option	2740	14	13	

Voltage 12VDC- Standard, 24V DC - Option

Engine kit can be supplied according to vehicle model (option)

Systems are available for Vehicles with or without original AC System

* At zero static pressure

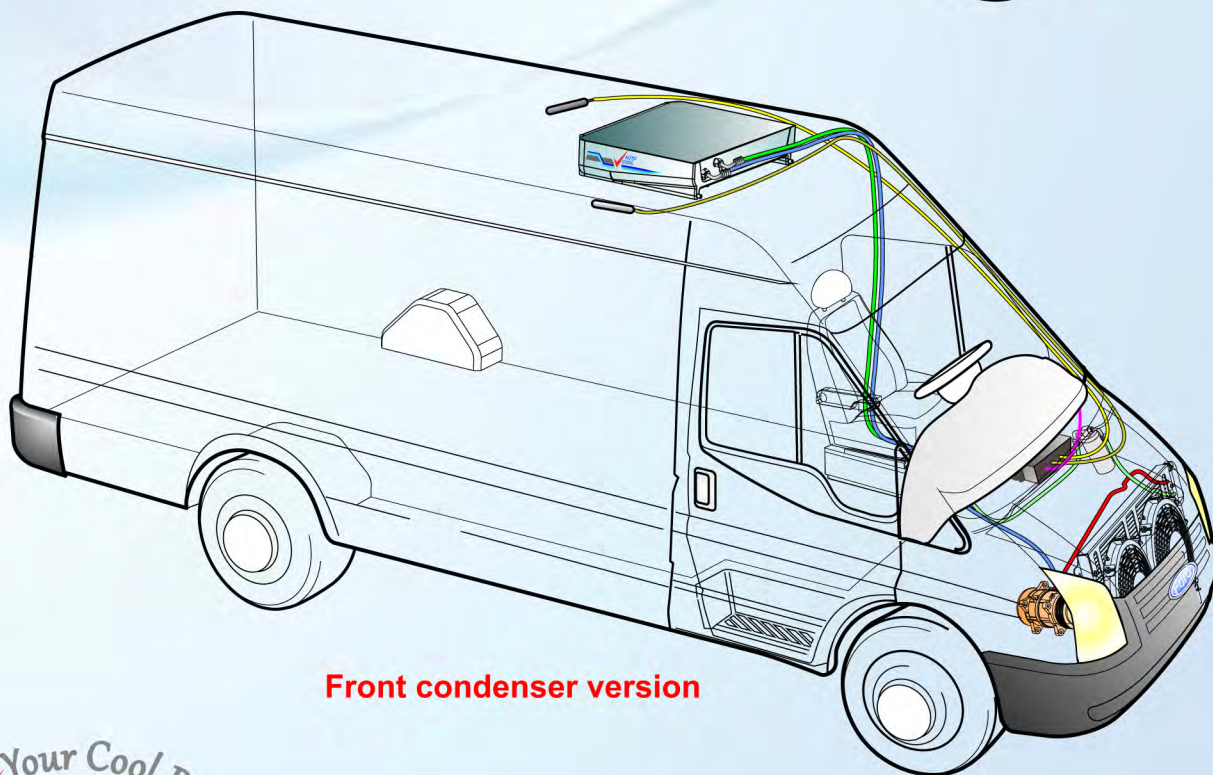
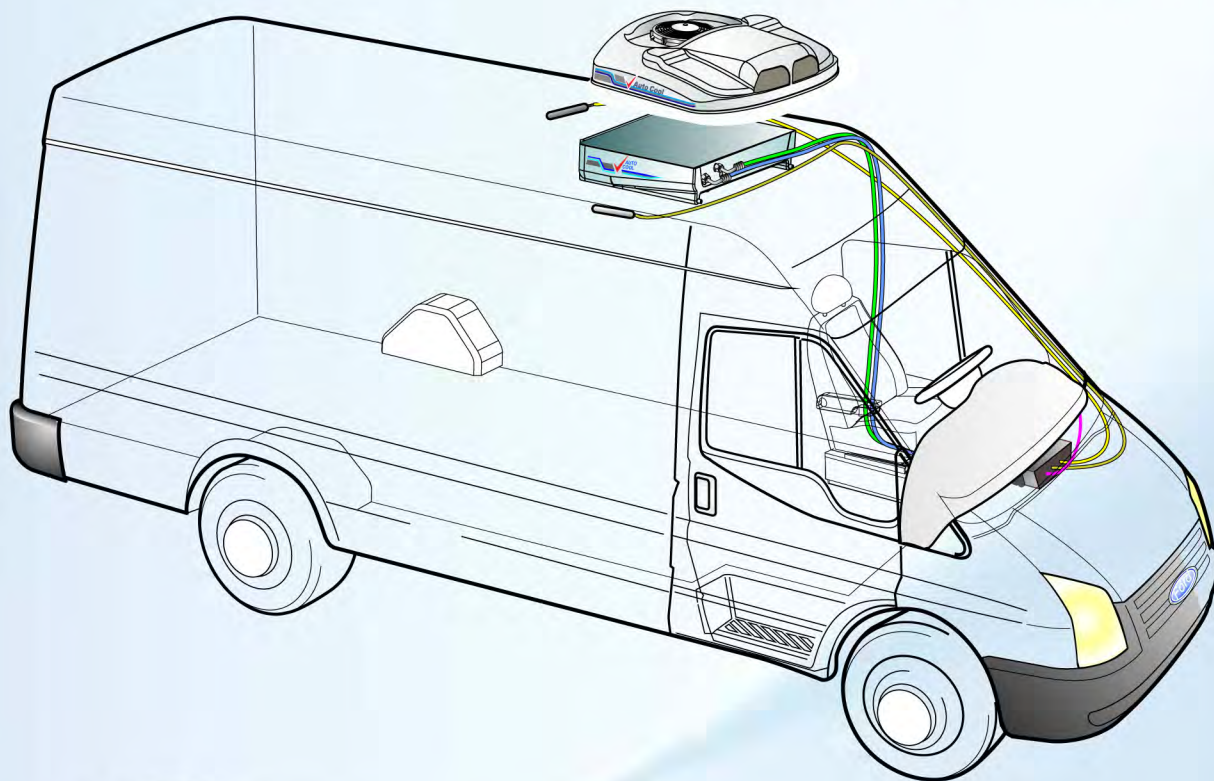
Refrigeration System

ERU-1000

Autocool Fridge

Refrigeration temperature from -3°C to $+8^{\circ}\text{C}$

Roof top condenser version



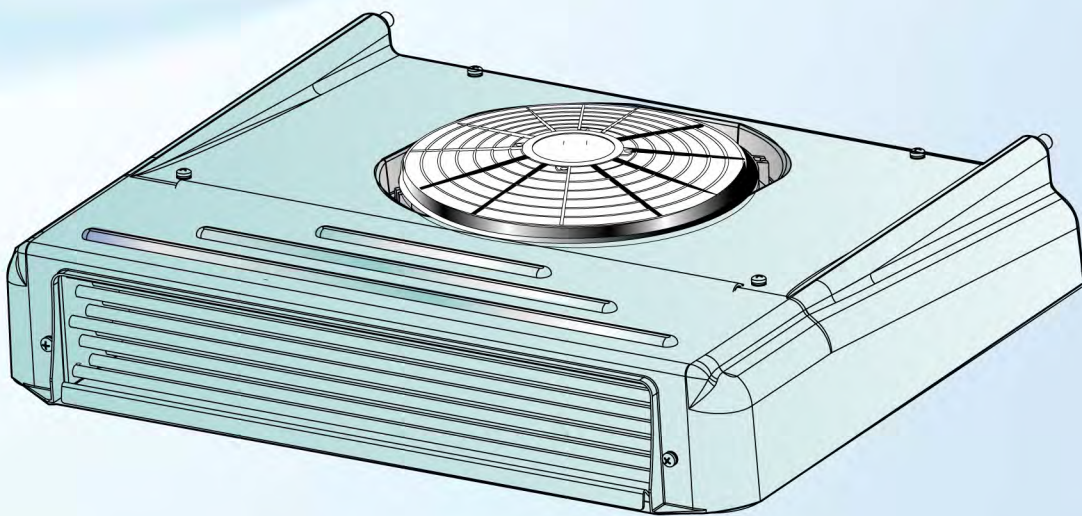
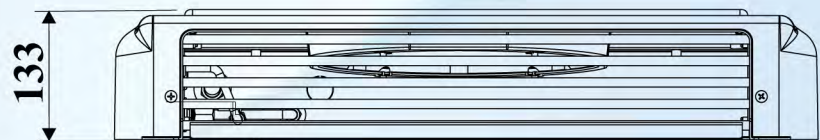
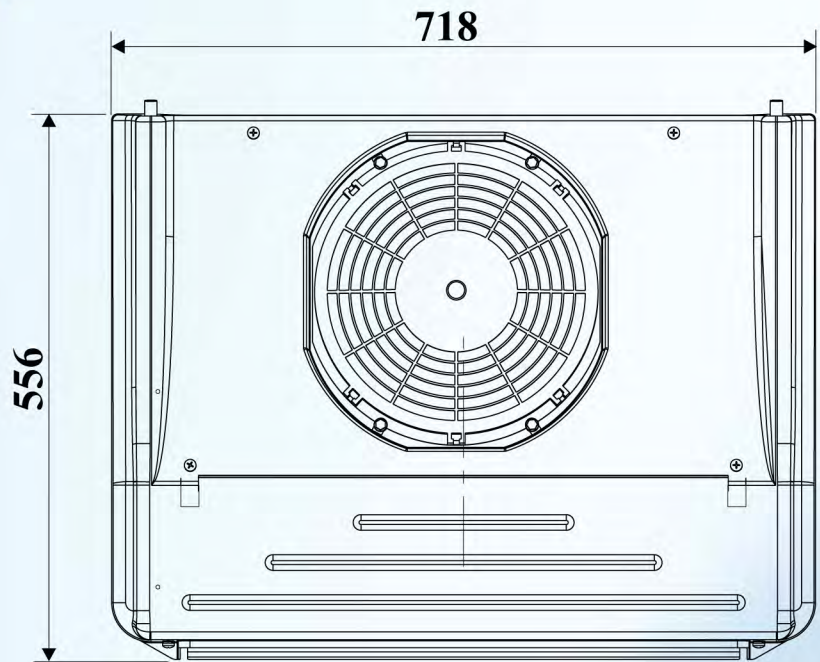
Front condenser version



Refrigeration System

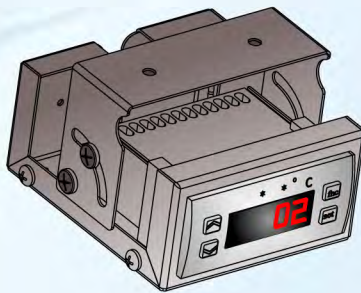
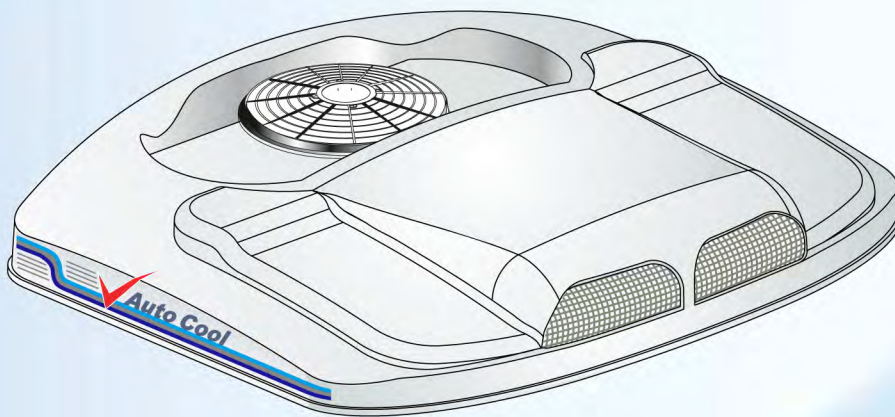
ERU-1000

Autocool Fridge



Refrigeration System
ERU-1000
Autocool Fridge

CU-1000
Roof Top Condenser



Electronic
Temperature Controller

Refrigeration System

ERU-2000

Autocool Fridge

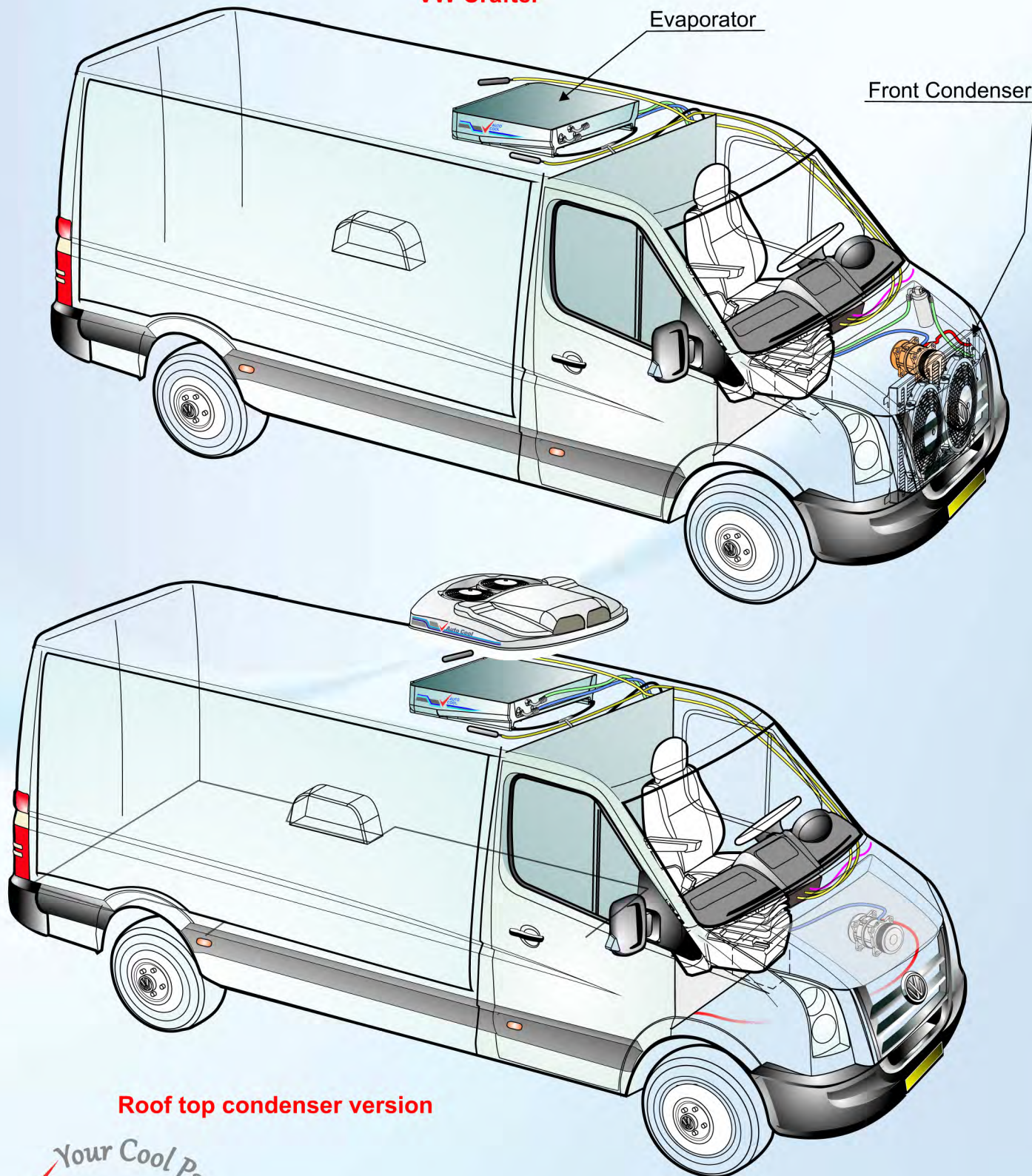
New

Refrigeration temperature from -3°C to $+8^{\circ}\text{C}$

VW Crafter

Evaporator

Front Condenser



Roof top condenser version

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Auto Cool IND. LTD.

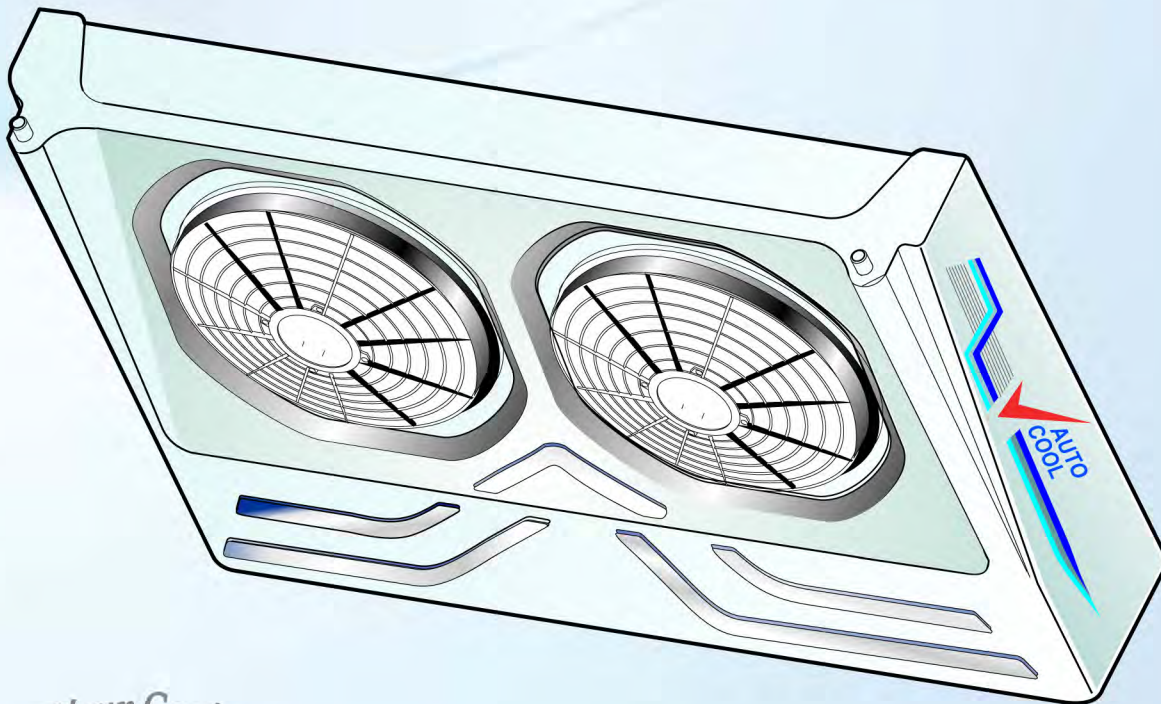
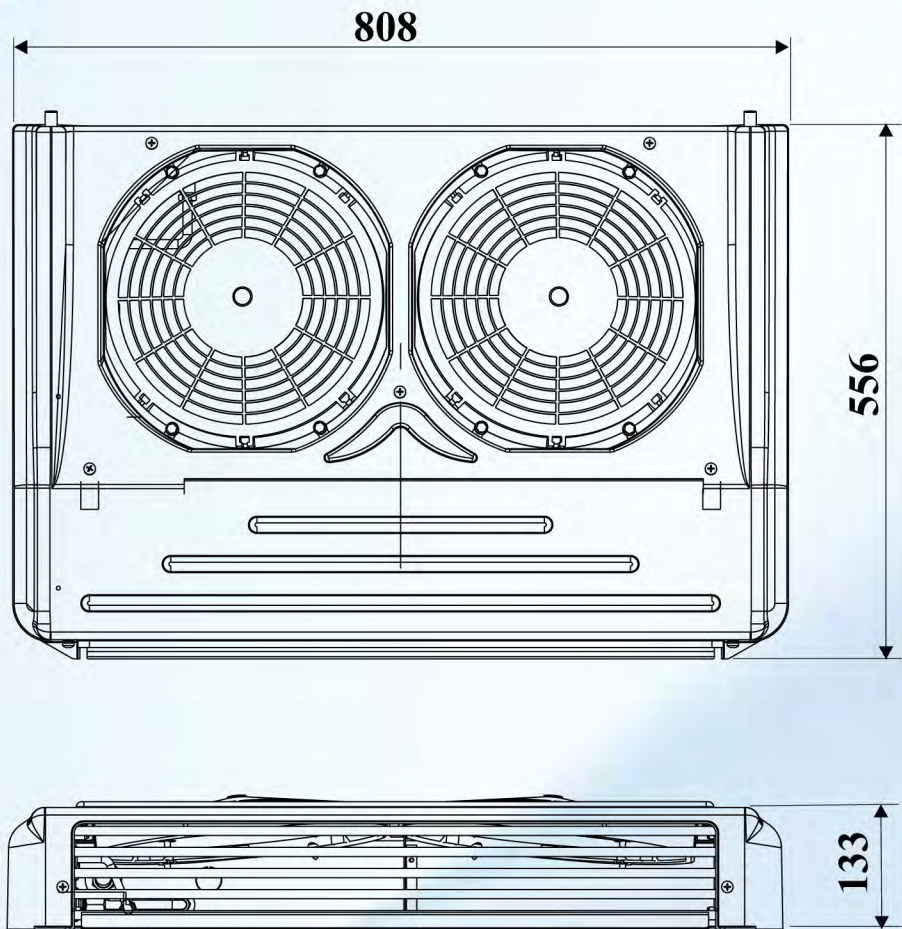
www.csv.com.au

Refrigeration System

ERU-2000

Autocool Fridge

New



Your Cool Partner
Auto Cool IND. LTD.

www.csv.com.au

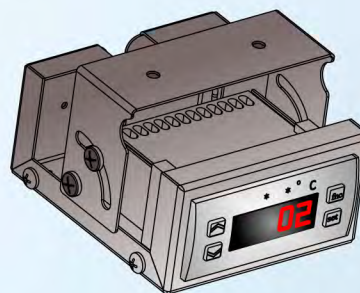
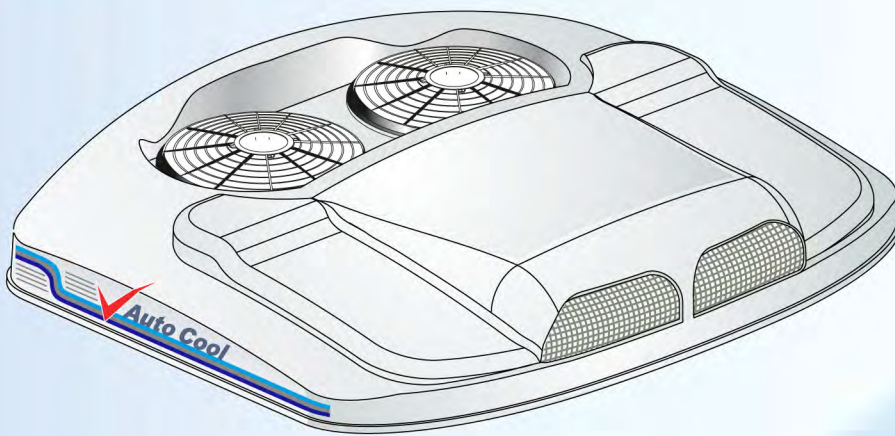
Refrigeration System

ERU-2000

Autocool Fridge

CU-1500

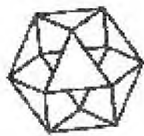
Roof Top Condenser



Electronic

Temperature Controller

Certificates



NSAI
Certification

EC TYPE-APPROVAL CERTIFICATE

With regard to Radio Interference of Motor Vehicles

Communication concerning the type-approval of a type of ~~vehicle~~/component/~~separate technical unit~~
with regard to Directive 72/245/EEC as last amended by Directive 2009/19/EC.

EC Type-approval No: *e24*72/245*2009/19*1847*00*

EC Type-approval mark to be affixed on ESA: *e24031847 (See directive for size of font).*

Reason for extension: *N/A.*

SECTION I

0.1 Make (trade name of manufacturer's): ***AUTOCOOL***

0.2 Type and general commercial description: ***A/C 3000***
Roof top air condition
Variant(s): ***A: A/C 1000***
B: A/C 3000
C: A/C 3500
D: A/C 4000
E: A/C 5000

0.3 Means of identification of type, if marked on the component/~~separate technical unit~~: ***See 0.2 above.***

0.3.1 Location of that marking: ***On the housing of the unit.***

0.4 Category of vehicle: ***See Appendix.***

0.5 Name and address of manufacturer: ***Auto Cool Ind. 1986 Ltd.***
Petach-Tikva-Reem
Park-Nir TZVI (Delek Motors)
IL-49277 Petach-Tikva

Name and address of authorised representative, if any: ***N/A.***

0.7 In the case of components and separate technical units, location and method of affixing of the EC approval mark: ***Incorporated into a label.***
On the housing of the unit.

0.8 Address(es) of assembly plant(s): ***Auto Cool Ind. 1986 Ltd.***
Petach-Tikva-Reem
Park-Nir TZVI (Delek Motors)
IL-49277 Petach-Tikva

SECTION II

1. Additional information (where applicable): *See Appendix.*
2. Technical service responsible for carrying out the tests: *TÜV SÜD AUTOMOTIVE GMBH,
Ridlerstraße 57,
D-80339 München,
Germany.*
3. Date of test report: *01.02.2010*
4. Number of test report: *10-00015-ES-MUC-00*
5. Remarks (if any): *See Appendix.*
6. Place: *Dublin.*
7. Date: *2nd February 2010*
8. Signature: 
9. The type approval file deposited at the Administrative Service having delivered the type-approval may be obtained on request.



Documentation:

81 Pages.

Appendix

to EC Type Approval Certificate No.: *e24*72/245*2009/19*1847*00*

Concerning the type approval of an electrical/electronic sub-assembly with regard to Directive 72/245/EEC,
as last amended by Commission Directive 2009/19/EC.

- | | | |
|-------|---|--|
| 1. | Additional information | |
| 1.1. | Electrical system rated voltage: | <i>12/24 volts nominal.</i> |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions: | <i>12/24 volt, battery negative on the body.</i> |
| 1.2.1 | Installation conditions, if any: | <i>See manufacturer's specifications.</i> |
| 1.3. | This ESA can only be used on the following vehicle types: | <i>N/A.</i> |
| 1.3.1 | Installation conditions, if any: | <i>N/A.</i> |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were (please specify precise method used from Annex IX): | <i>N/A.</i> |
| 1.5 | Laboratory accredited to ISO 17025 and recognised by the Approval Authority (for the purpose of this Directive) responsible for carrying out the tests: | <i>TÜV SÜD AUTOMOTIVE GMBH,</i> |
| 5. | Remarks: | <i>N/A.</i> |

Concerning the type approval of a vehicle with regard to Directive 72/245/EEC, as last amended
by Directive 2009/19/EC.

- | | | |
|--------|---|-------------|
| 1. | Additional information | |
| 1.1. | Electrical system rated voltage: | <i>N/A.</i> |
| 1.2. | Type of bodywork: | <i>N/A.</i> |
| 1.3. | List of all electronic functions (concerned by that directive) installed in the vehicle: | <i>N/A.</i> |
| 1.3.1. | Vehicle equipped with 24GHz short-range radar equipment (yes/no): | <i>N/A.</i> |
| 1.4. | Laboratory accredited to ISO 17025 and recognised by the Approval Authority (for the purpose of this Directive) responsible for carrying out the tests: | <i>N/A.</i> |
| 5. | Remarks: | <i>N/A.</i> |

Certificate of Compliance

Item: Commercial Car Door & Step Actuators

Model Reference: none stated

No. of Samples Tested: One


EMC Test Report Reference: EM08033225

Relevant Specification
used as Basis of Tests: Test requirements of 2004/104/EC as detailed below;

Annex VII Method of measurement of broadband emissions from ESA
Annex VIII Method of measurement of narrowband emissions from ESA
Annex IX Method of testing for ESA for immunity to electromagnetic radiation
Annex X Method of testing for immunity to and emissions of transients of ESA

This is to certify that, on the basis of the tests undertaken, the sample of the above item is considered to comply with the applicable requirements of the above standards. This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Signed:


S. Griffin
Certifying Officer

Date of Issue:
June, 2008

Address:
Auto Cool Ltd
51 Galis
Petach-Tikva
Israel
49277

Intertek Testing & Certification Ltd

Intertek House, Cleeve Road, Leatherhead, Surrey KT22 7SB

Telephone: +44 (0)1372 370900 Fax: +44 (0)1372 370999 Web: www.uk.intertek-etlsemko.com

Serial Number. 08 5863

Registered No. 3272281 Registered Office: 25 Saville Row, London W1S 2ES

Reference No. EM 08033225



THE STANDARDS INSTITUTION OF ISRAEL

Certificate

This is to certify that the
Quality Management System
of

AUTO COOL IND. 1986 LTD.

PETACH-TIKVA-REEM PARK-NIR TZVI (DELEK MOTORS)

PETACH TIKVA, ISRAEL

*has been audited by SII and found to comply with the Quality
Management Standard SI ISO 9001: 2008*

scope:

MANUFACTURING, INSTALLATION AND SERVICE OF

VEHICULAR AIR CONDITIONING SYSTEMS AND OTHER

AUTOMOTIVE EQUIPMENT.

The Certificate is granted in accordance with SII's Rules for the Certification of Quality Systems (SII procedure-002). The validity of the Certificate is subject to the continuous maintenance of the Quality System according to the above standard, and the follow-up surveillance performed by SII. Further clarifications regarding the scope of the certificate and applicability of ISO 9001:2008 requirements may be obtained by consulting the organization.

Date of initial approval: 05 . 09 . 2001

Date of expiration: 31 . 03 . 2013

License No: 57204

Date of issue: 30 . 05 . 2010

www.sii.org.il

THE STANDARDS INSTITUTION OF ISRAEL



Daniel Goldstein

Daniel Goldstein
Director General





THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and
THE STANDARDS INSTITUTION OF ISRAEL
hereby certify that the organization

AUTO COOL IND. 1986 LTD.
PETACH-TIKVA-REEM PARK-NIR TZVI (DELEK MOTORS)
PETACH TIKVA

for the following field of activities

MANUFACTURING, INSTALLATION AND SERVICE OF

VEHICULAR AIR CONDITIONING SYSTEMS AND OTHER

AUTOMOTIVE EQUIPMENT.

has implemented and maintains a

Quality Management System

which fulfills the requirements of the following standard/s

ISO 9001:2008

Issued on :	30 . 05 . 2010
Date of expiration:	31 . 03 . 2013
Date of initial approval:	05 . 09 . 2001

Registration number:

IL- 57204



René Wasmer
President of IQNet

Daniel Goldstein
Director General



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וזאת לתעודה

כי

מערכת ניהול האיכות של



מכון התקנים הישראלי

אוטו קור תעשיות 1986 בע"מ

פ"ת-פארק ראם-ניר צבי (דלק מוטורס)

נבחנה ונסקרה על ידי מכון התקנים הישראלי ונמצאה מתאימה
לדרישות התקן הישראלי והתקן הבין-לאומי ת"י ISO 9001 : 2008

תחום:

ייצור, התקנה ושרות של מערכות מזוג אויר לרכב וציוד
אוטומטיבי אחר

אישור זה ניתן בהתאם לכללים לאישור מערכות ניהול איכות (נוהל מת"י 002) שאושרו על ידי המכון.
תוקף האישור מותנה בתחזוקה שוטפת של מערכת האיכות בהתאם לדרישות התקן הנ"ל ובצוע פקוח ע"י מת"י.
הבהרות נוספות הנוגעות לתחום האישור ולקיום דרישות התקן ת"י ISO 9001 מהדורת 2008 ניתן לקבל מהארגון.

מס היתר: 57204
תאריך הוצאת אישור זה: 30 . 05 . 2010

תאריך האישור הראשוני: 05 . 09 . 2001
תאריך פקיעת אישור זה: 31 . 03 . 2013

www.sii.org.il

Technischer Bericht Nr.: 09 – 00148 – CC – GBM
Antragsteller: Auto Cool Ind. Ltd.
Typ(en): --

Seite 1 von 12

Technischer Bericht ***Technical report***

Nr. / No. 09 – 00148 – CC - GBM

über ein Nachrüstsystem
on an aftermarket equipment

**hinsichtlich der Richtlinie 2001/85/EG, zuletzt geändert durch Richtlinie
2006/96/EG**
with respect of Directive 2001/85/EC, as last amended by Directive 2006/96/EC

Antragsteller:
Applicant:

Auto Cool Ind. Ltd.
P. O. B. 4609
Petach-Tikva
49277 Israel

Beschreibung des Nachrüstsystems:

Elektrische Betätigungsmechanismen
für eine Schwenktür und eine Schiebe-
tür in Verbindung mit je einer ausfahr-
baren Trittstufe

*Description of the aftermarket
equipment:*

*Electrical control mechanism for an axi-
al door and a sliding door, both in con-
junction with a retractable step*

Handelsbezeichnung des
Nachrüstsystems:
*Commercial description of the
aftermarket equipment:*

Automatic axial door (AAD)
Automatic sliding door (ASD)
Electrical footstep
Electrical footstep (telescopic)

I. Allgemeines / General

Zum Zwecke der Überprüfung des Nachrüstsystems mit vorgenannter Prüfgrundlage wurde vom Antragsteller das folgende umgerüstete Musterfahrzeug vorgeführt:

Modell: VW Crafter
Fahrzeug-Identifizierungsnummer: WV1ZZZ2E766000113
Reifengröße: 235/65 R 16

For the purpose of conformity testing of the aftermarket equipment with before-mentioned test basis the applicant has submitted the following sample vehicle:

*Model: VW Crafter
Vehicle identification number: WV1ZZZ2E766000113
Tyre size: 235/65 R 16*

II. Durchgeführte Prüfungen / Tests carried out

Das Nachrüstsystem wurde hinsichtlich der zusätzlichen technischen Anforderungen für fremdkraftbetätigte Betriebstüren, der allgemeinen Vorschriften für Stufen sowie der besonderen Vorschriften für einklappbare Stufen gemäß der Richtlinie 2001/85/EG, zuletzt geändert durch Richtlinie 2006/96/EG, geprüft (für Kraftomnibusse mit bis zu 22 Fahrgastplätzen).

Dieser Technische Bericht enthält keine Aussage zur allgemeinen Übereinstimmung der Türen oder ihrer Zugänge mit den Bestimmungen der Richtlinie 2001/85/EG.

The aftermarket equipment was tested regarding the additional technical requirements for power-operated service doors, the general provisions for steps and the particular provisions for retractable steps pursuant to Directive 2001/85/EC, as last amended by Directive 2006/96/EC (in case of buses having a capacity not exceeding 22 passengers).

This technical report does not include any statement on the general conformity the of doors or their access areas with the requirements of Directive 2001/85/EC.

Technischer Bericht Nr.: 09 – 00148 – CC – GBM
Antragsteller: Auto Cool Ind. Ltd.
Typ(en): –

Seite 12 von 12

IV. Anlagen / Attachments

- Zeichnung / *drawing* „General view of AAD system“
- Zeichnung / *drawing* „General view of ASD system“
- Zeichnung / *drawing* „Electrical step installation“
- Zeichnung / *drawing* „Step installation“

V. Schlussbestätigung / Final confirmation

Das in diesem Technischen Bericht beschriebene und in ein Testfahrzeug eingebaute Nachrüstsystem entsprach den vorgenannten Vorschriften der Richtlinie 2001/85/EG, zuletzt geändert durch Richtlinie 2006/96/EG (für Kraftomnibusse mit bis zu 22 Fahrgastplätzen).

The aftermarket equipment described in this technical report and installed to a test vehicle conformed to the provisions of Directive 2001/85/EC, as last amended by Directive 2006/96/EC (in case of buses having a capacity not exceeding 22 passengers).

PRÜFLABORATORIUM TEST LABORATORY

**TÜV SÜD Automotive GmbH
Westendstraße 199, 80686 München
KBA-P-00001-95**

**akkreditiert von der Akkreditierungsstelle des Kraftfahrt-Bundesamtes,
Bundesrepublik Deutschland
accredited by the accreditation department of Kraftfahrt-Bundesamt,
Federal republic of Germany**



Garching, 09.03.2009

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Dipl.-Ing. Nils Siebert



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Web: www.vca.gov.uk

Auto Cool Industries Limited
C/O Intertek Testing Services (Leatherhead)

Your Reference:

Date: 04 July 2008

MANUFACTURER: Auto Cool Industries Limited

EEC DIRECTIVE: 72/245EC

Job No.	Vehicle Component	Approval No.
EAH184754	Commercial car door and step actuators	e11*72/245*2006/28*4711*00

1. This vehicle component has been tested and meets the requirements of the above EEC Directive. I enclose a set of approval documents, comprising the approval, test report and your documentation duly authenticated.

2. If you think there are any errors in the enclosed package, please contact Andrew Meadows, telephone 0117 952 4187, e-mail andrew.meadows@vca.gov.uk immediately. Please be aware that from the date of issue we have a three week holding period, any corrections required after this time will need to be corrected via an extension, index revision or correction 1 certificate, as appropriate.

ROAD TRAFFIC ACT 1988 - SECTION 80

3. The Secretary of State for Transport authorises, under section 80 of the Road Traffic Act 1988, the above manufacturer or accredited agent to apply to the motor vehicle type/part specified, the appropriate mark designated in the Motor Vehicles (Designation of Approval Marks) Regulations 1979, as amended. The conditions attached to this authorisation are set out overleaf.

4. If this approval/extension results in a change being needed to a vehicle information document issued under the goods vehicle or passenger car national type approval scheme, you should notify us (i.e. submit a 'notifiable alteration') as soon as possible, using the address VCA (Whole Vehicle), Room 1.2, The Eastgate Office Centre, Eastgate Road, Bristol BS5 6XX.

5. VCA is continually scrutinising the quality of the service it provides to customers, in order to discover more ways in which the standard can be improved. If you have a specific complaint concerning the way this job has been dealt with, our customer services leaflet gives guidance on the best approach. If you would like a copy, please contact the undersigned.

Yours sincerely

Jessica Stephens
Product Certification

VCA Multilink Centre
Hastings, Wrexham, UK
Switchboard: +44 (0)247 632 910
Fax: +44 (0)247 632 919
Email: enquiries@vca.gov.uk

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Email: publicrelations@vca.org.my

VCA China
Beijing
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Fax: +86 10 621 8100

Automatic Sliding Door Pre installation - Order questionnaire

Contact Details:

1. Customer.....
2. Contact person.....
3. Tel: Fax:
4. E-mail:
5. AutoCool PN for item.....
6. Quantity ordered.....
7. Preferred delivery date.....
8. Address for delivery.....
9. Chassis SN.....
10. Vehicle Manufacturer.....
11. Model..... Model No.....
12. What is the cabin interior? Bare walled (naked) vehicle, with no original preparation for add-ons like windows or safety belts, any plastic items that should be removed / modified?
13. Wheel base..... Width..... Height.....
14. Windows **Yes / No** Preparation for windows
15. Number of passengers
16. Has the vehicle been homologated for passenger use **Yes / No**
17. LHD \RHD

Signature_____

Please return by fax: +972 3 9343208 or E-mail: Info@autocool.co.il

AC System

Pre installation - Order questionnaire

Contact Details:

1. Customer.....
2. Contact person.....
3. Tel: Fax:
4. E-mail:
5. AutoCool PN for item.....
6. Quantity ordered.....
7. Preferred delivery date.....
8. Address for delivery.....
9. Chassis SN.....
10. Vehicle Manufacturer
11. Number of passengers
12. Is the vehicle been homologated for passenger use Yes / No
13. Model..... Model No.....
14. Roof: Normal Medium High
15. Windows **Yes / No** Preparation for windows
16. Wheel base..... Width..... Height.....
17. Engine type.....
18. Is Front Original AC System installed? **Yes / No**

Signature_____

Please return by fax +972 3 934-3208 or E-mail: Info@autocool.co.il

Company Profile

AutoCool Ltd. is Israel's leading manufacturer of customized Air Conditioning (AC) systems for commercial vehicles and trucks since 1982. AutoCool develops, installs and services all its systems in-house. In addition, Auto-Cool develops and produces special AC systems for aviation and marine applications.

Additional product lines include Electrically Operated Doors (sliding or pivoting), retractable steps for vans, and minibuses, and transportation refrigeration cooling systems.

We also manufacture vacuum forming and fiberglass products, used in commercial vehicles and buses.

All our products comply with the requirements of the Israeli Standard Institute and ISO 9001, IQ Net, conforms with the Electromagnetic Compatibility Directives of VCA (e-mark certificate), and approved by TUV Germany.

AutoCool's client list includes all local vehicle importers.

AutoCool employs 112 people in its Engineering, R&D, Manufacturing and Service departments.

Since 2007 export orders are constantly growing, mainly to the European market. This is a result of the positive reaction to AutoCool's high quality products, and increasing appreciation by OEM and aftermarket customers.

Based upon its vast experience, AutoCool supplies products of the highest quality, which are designed for arduous use, long hours, and extreme conditions.

The company has 22 service stations throughout the country and agents \ distributors abroad.

Please visit our site: www.autocool.co.il





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