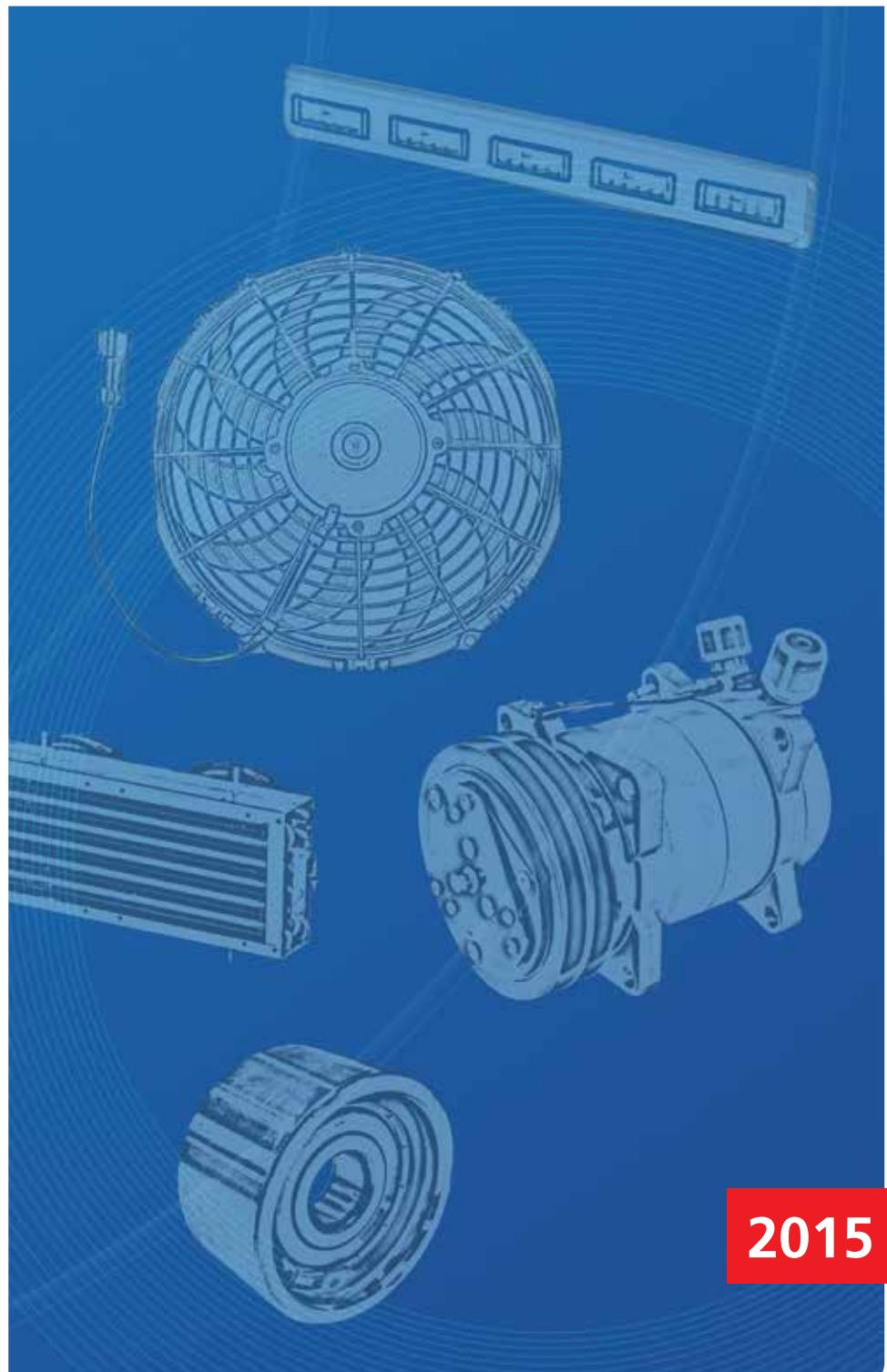


Accessories Catalog Air-Conditioning Solutions

For Trucks, Light-duty Vehicles, Special Vehicles and Rail



2015



Table of Contents

Dear Customers, dear Webasto Partners,

this Webasto catalog will give you an overview of the complete range of accessories for our air-conditioning systems. On the following pages, you will find everything that you need for installing our rooftop, integrated and transport refrigeration systems. The accessories shown here are clearly laid out to enable you to find and order what you need quickly.

Together with the accessory catalog for heating solutions and the product catalog, this catalog will provide a comprehensive source of information so that you can work efficiently with our heating and cooling units.

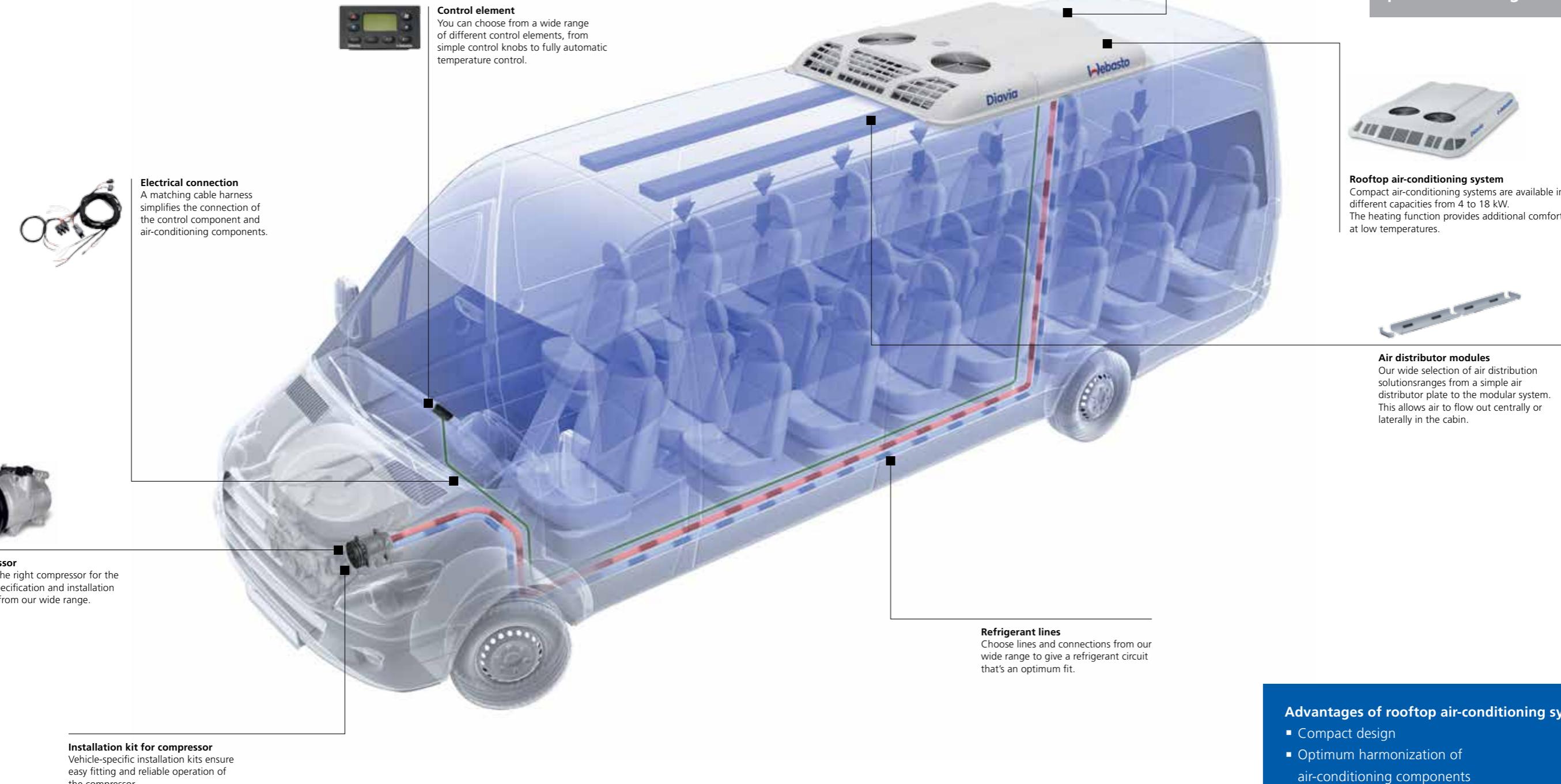
We wish you great success with our products,

Your Webasto Team

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Application of a rooftop air-conditioning system

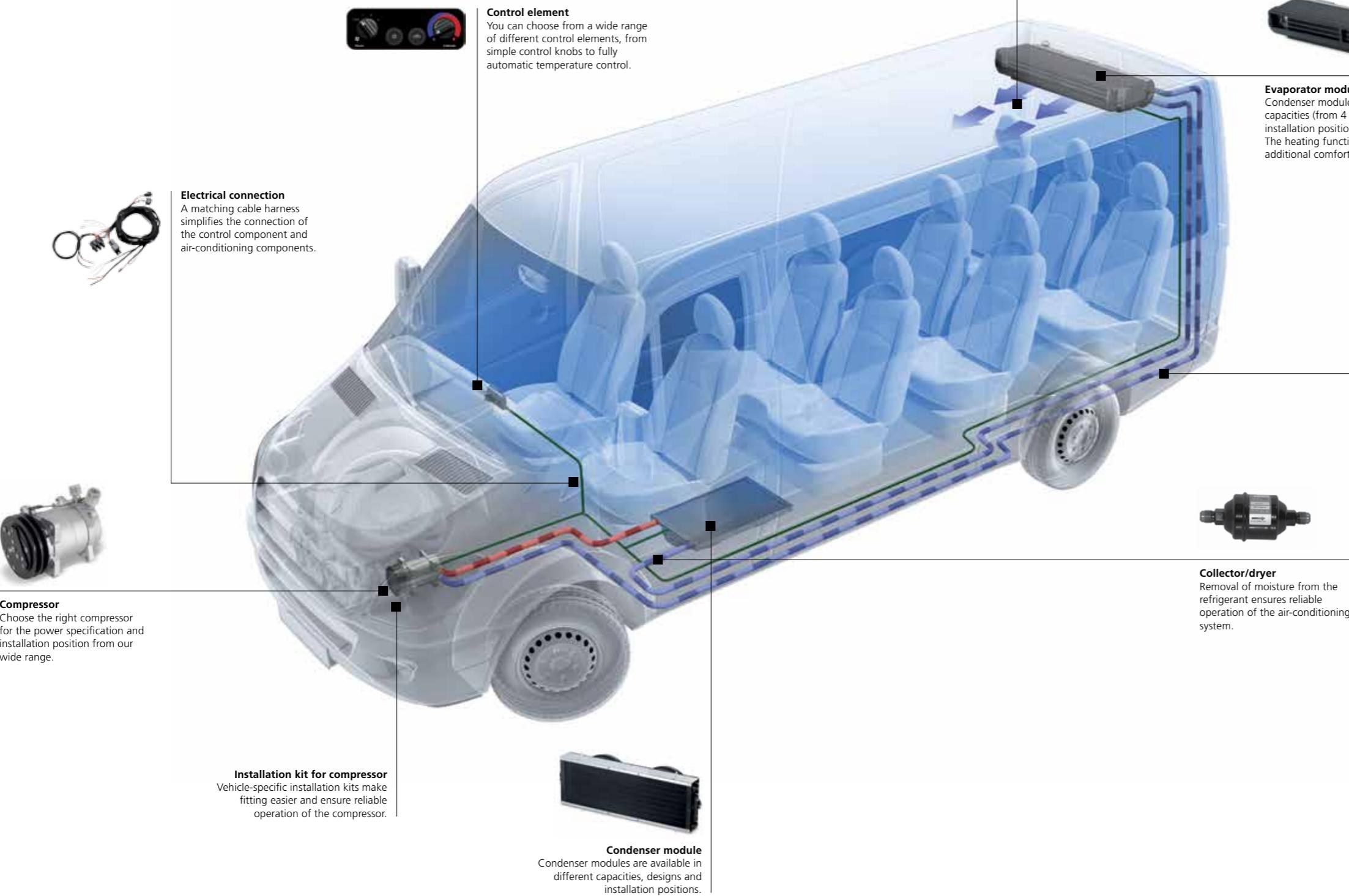
The main components of the air-conditioning system are accommodated in a compact housing. They can be fitted quickly and easily on the vehicle's roof. Webasto rooftop air-conditioning systems are available in different capacities (4 to 18 kW).



- Advantages of rooftop air-conditioning systems**
- Compact design
 - Optimum harmonization of air-conditioning components
 - Quick and easy installation
 - Additional comfort options (heating or fresh air)
 - Proven, high-quality, standard component

Application of an integrated air-conditioning system

Webasto integrated air-conditioning systems are available with various capacities (4 to 16 kW). All the components are integrated into the vehicle and can be matched to individual requirements. A comprehensive range of accessories makes them easier to install in the vehicle.



- Advantages of integrated air-conditioning systems**
- Individually selectable installation position for the components
 - Complete integration into the vehicle
 - No effect on aerodynamic characteristics
 - Proven, high-quality, standard components

Installation options for integrated air-conditioning systems

In addition to a large selection of standard products, we offer you individually tailored system solutions.

We will implement your chosen modifications according to your requirements, e.g. a particular temperature range or a special position for the air-conditioning components in the vehicle. You can rely on our many years of experience in original equipment and retrofitting.

Possible positions for the evaporator

- Under the roof
- Under the dashboard
- Integrated into the roof
- Vertically on the side at the rear
- Vertical
- On the roof

Possible positions for the condenser

- On the roof
- On the underbody
- At the front of the vehicle

The evaporator and the condenser, the two main components of our integrated air-conditioning systems, can be fitted separately in the vehicle – depending on space requirements and use. The various positions available are shown below.

Condenser mounted on the underbody



Evaporator under the roof



Evaporator under the dashboard



Evaporator integrated into the roof



Evaporator vertical on the side at the rear



Evaporator vertical

Condenser mounted on the roof



Evaporator under the roof



Evaporator under the dashboard



Evaporator integrated into the roof



Evaporator vertical on the side at the rear



Evaporator vertical

Condenser mounted at the front of the vehicle



Evaporator under the roof



Evaporator under the dashboard



Evaporator integrated into the roof



Evaporator vertical on the side at the rear

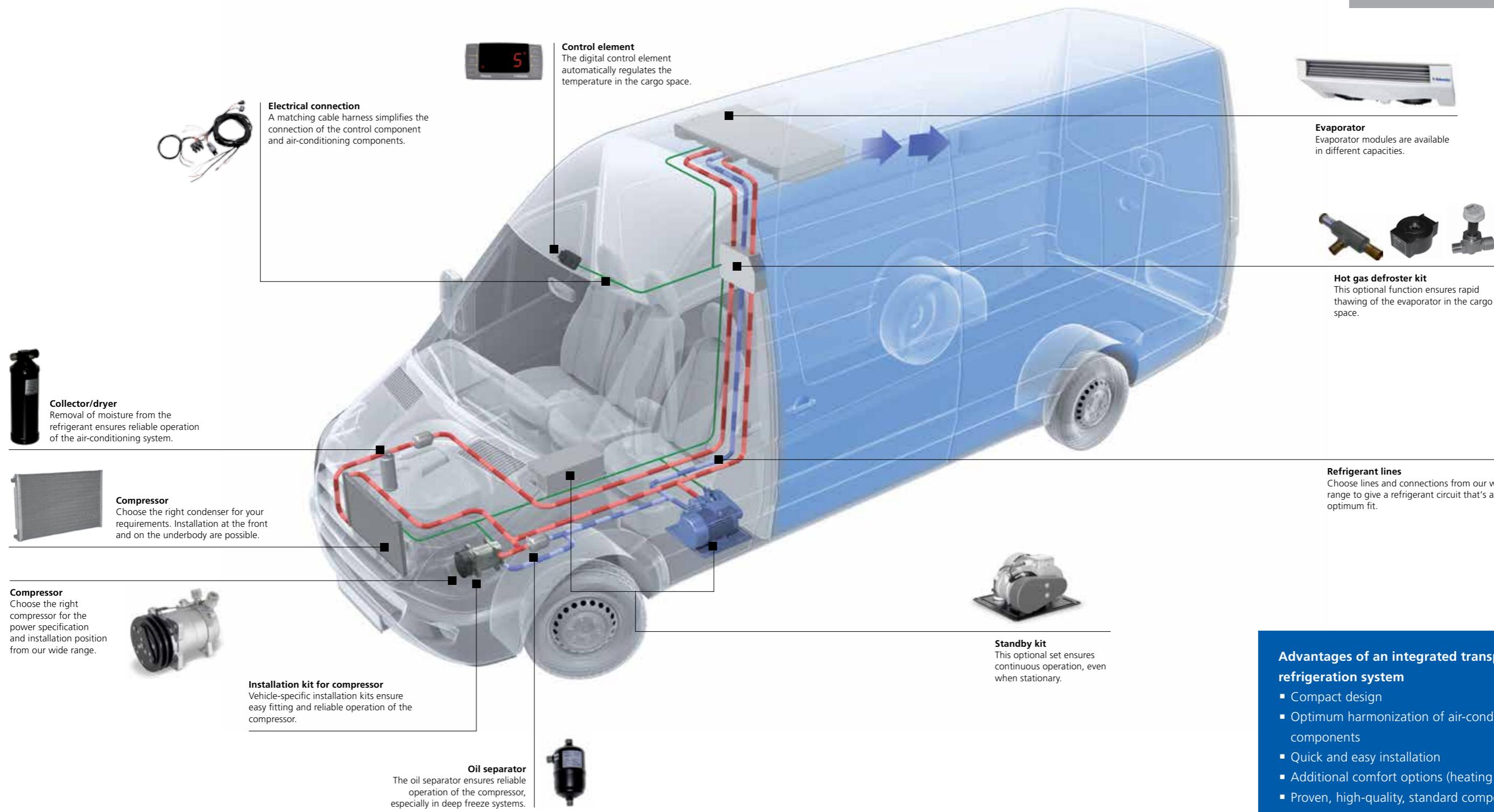


Evaporator vertical

Application of an integrated transport refrigeration system

Webasto integrated transport refrigeration systems are suitable for fresh produce delivery ($>0^{\circ}\text{C}$) and for deep frozen cargo ($<0^{\circ}\text{C}$). They are available in various capacities up to 3,660 W. An optional standby function allows operation independently of the engine. The system components are fully integrated into the vehicle and can be tailored to the individual application and requirements. Vehicle-specific installation kits are available.

Our transport refrigeration systems can be found in our separate heating and air-conditioning product catalog.

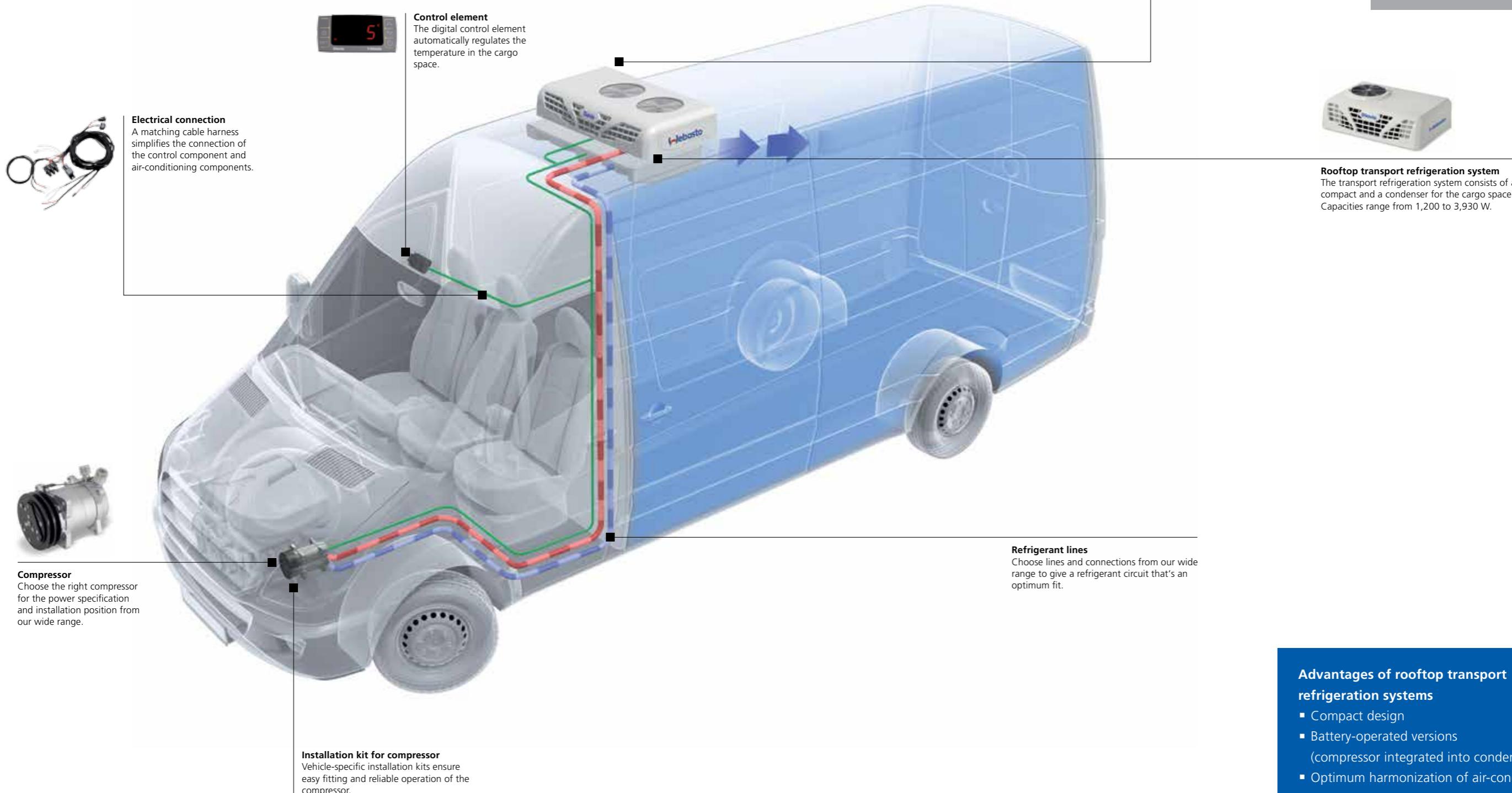


Application of a rooftop transport refrigeration system

The main components of the Webasto rooftop transport refrigeration system are accommodated in a compact, aerodynamic housing. The cooling systems, with capacity options ranging between 1,200 and 3,930 W, are suitable for fresh produce delivery ($> 0^\circ\text{C}$) and for deep frozen cargo ($< 0^\circ\text{C}$). An optional standby function allows cooling independently of the engine.

Standby function
This function ensures continuous operation, even when stationary.

Our transport refrigeration systems can be found in our separate heating and air-conditioning product catalog.



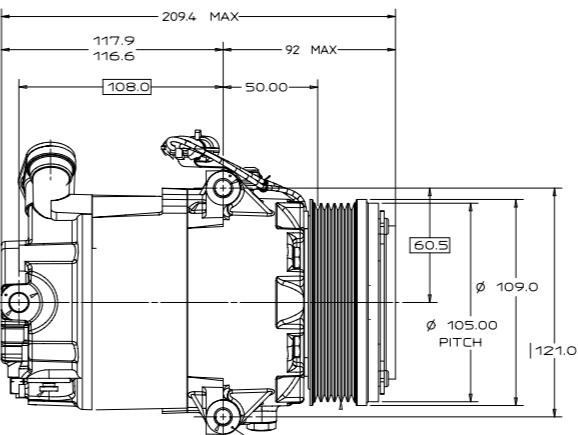
- Advantages of rooftop transport refrigeration systems**
- Compact design
 - Battery-operated versions (compressor integrated into condenser unit)
 - Optimum harmonization of air-conditioning components
 - Quick and easy installation



Compressors

Delphi CVC

DELPHI



The next generation of variable displacement piston compressor technology, Delphi's Compact Variable Compressors (CVC), are based on a swash plate simple harmonic motion mechanism. The enhanced mechanism performance makes the CVC adaptable to both pneumatic and electronic controls. Refrigerant R134a.

Compressors, Tensioning

Compressors

This is the core of the system. It sucks in the refrigerant coming from the evaporator at a low temperature and at low pressure, compresses it and puts it back into the circuit at high pressure and high temperature. Most of performance of the system depends on proper operation of the compressor.

Tensioning

Power transmission to the compressor. Transmission of power motion to the compressor, from the motor to the electromagnetic clutch pulley, occurs by means of one or more (trapezoidal or Poly-V) belt. In the belt run, besides the tensioning pulleys (idler pulleys pivots and cams), transmission pulleys for other parts, such as water pump, alternator, etc. may be inserted. Compressor mounting kits allow the integration of the compressor in the specific vehicle.

Compressors

Drag components, Cams

Drag components, Idler pulleys

Drag components, Pivots

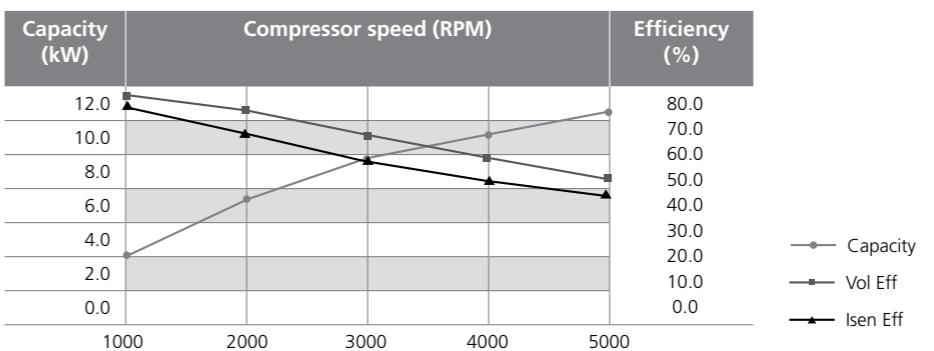
Compressor mounting kits

Adapters

Electromagnetic clutches

Drag components, Belts

Performance:



Technical specifications:

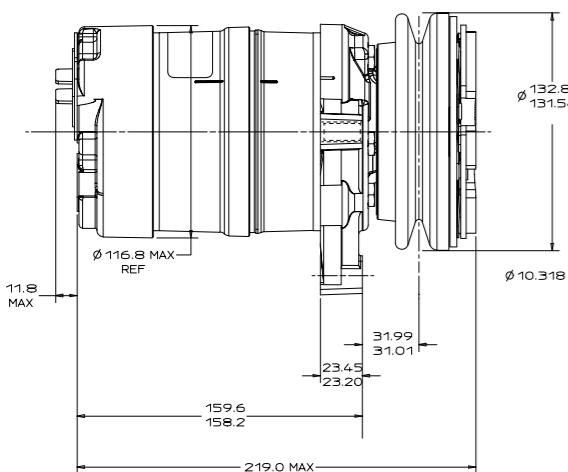
Parameters	Specification
Type	10-cylinder, axial swash plate mechanism
Displacement (cm³)	7 – 125
Dimensions (mm)	Length: 195, Diameter: 114
Dry weight (kg)	5.2
Capacity (2000 rpm)	6,040
Operating speed (rpm)	8,000, maximum continuous 9,200, transient
Refrigerant	R134a

Order number	Type	Quantity (ml)	Color	Description
Oil	PAG ISO 46	250		
Valve			brown	manual valve brown 6582291
620425004A			blue	manual valve blu 6582293
620425005A				

Compressors

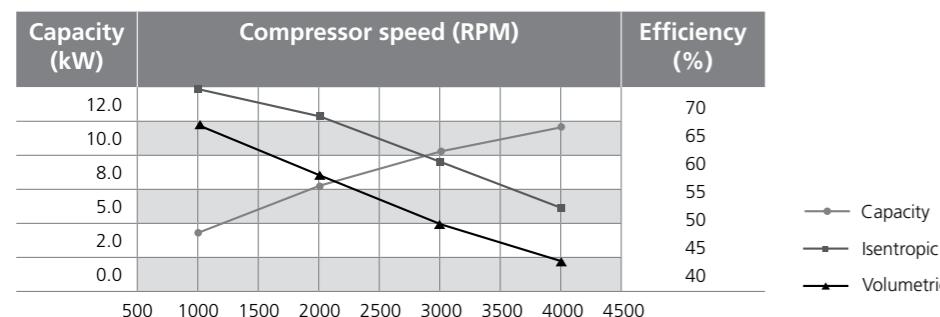
Delphi HD6

DELPHI



The HD6 compressor family is a six cylinder, axial-type compressor, 164 cm³ of fix displacement. Refrigerant R134a.

Performance:



Technical specifications:

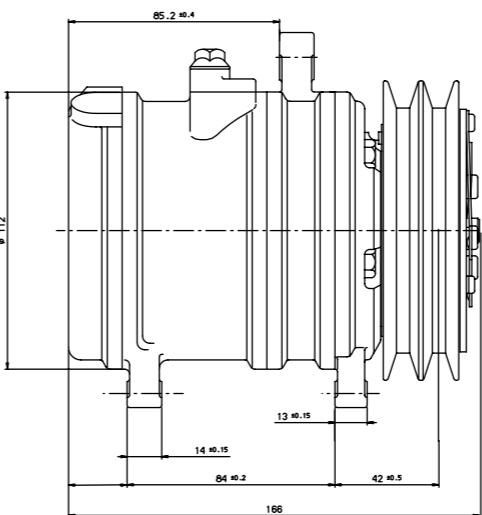
Parameters	Specification
Type	6 cylinder swash plate
Displacement (cm ³)	164
Oil	MLX 488
Dry weight (kg)	7.38
Body Diameter (mm)	116
Max. lenght w/o pulley (mm)	217
Lenght with pulley (mm)	233
Max. width (mm)	159
Refrigerant	R134a

Order number	Type	Quantity (ml)
Oil	PAG ISO 150	250
62040594B		

Compressors

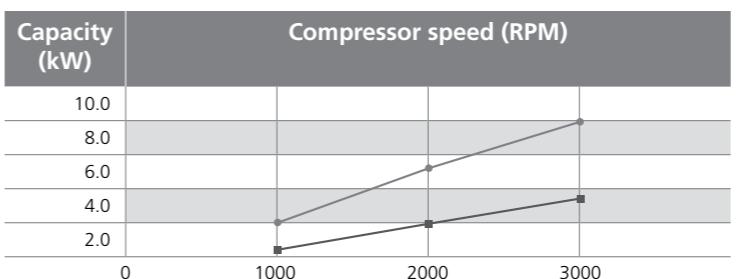
Delphi SP10

DELPHI



These SP10 10-cylinder fixed displacement (110 cm³) compressors consist of five double-ended pistons moving in the cylinder bores by a swash plate and shaft assembly. The 10 hemispherical shoes connect the pistons to the swash plate and shaft assembly. As the swash plate rotates, the shoes swivel, remaining in constant contact with the piston and the swash plate. The rotary motion of the swash plate is therefore converted to the reciprocating motion of the piston. Refrigerant R134a.

Performance:



Technical specifications:

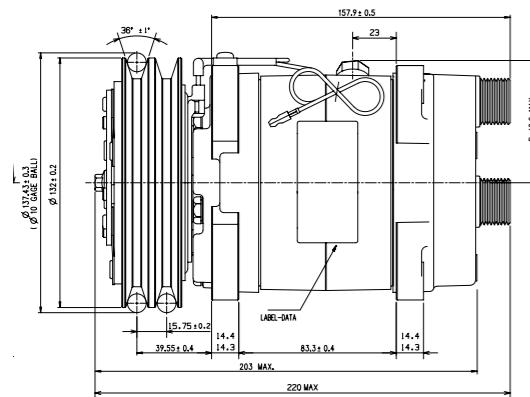
Parameters	Specification
Type	10-cylinder, axial swash plate mechanism
Displacement (cm ³)	110
Dimensioni (mm)	Length: 166.0, Diameter: 112
Dry weight (kg)	4.5 (with clutch assembly)
Capacity (2000 rpm) (W)	6,040
Max. continuous speed (RPM)	8,000
Rotation	Clockwise
Refrigerant	R134a

Kit order number	Order number	Type	Quantity (ml)	Dimension
Oil	62040595	PAG ISO 46	250	
Adapters				
620361774A	62043174A			3/4"
	62043173A			7/8"

Compressors

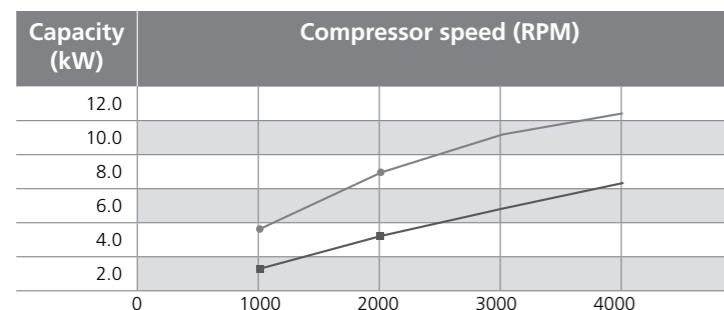
Delphi SP15

DELPHI



This compressor is equipped with 10 pistons, and it has 154 cm³ displacement/revolution. The high number of pistons (10) guarantees a minimum of vibration, while the power consumption and the capacity curves are at a very high level. The compressor body is equipped with 8 "ears"; this feature, along with the mounting angle (+/- 90°) allows for excellent mounting options. The compressors are available either with Rotalock ports (1" – 14 UNS), or O-Ring ports (3/4" 16 UNF; 7/8" 14 UNF) – see technical table. The Delphi SP15 is interchangeable with the Sanden SD7H15. Refrigerant R134a.

Performance:



—●— Capacity
—■— Power consumption

Technical specifications:

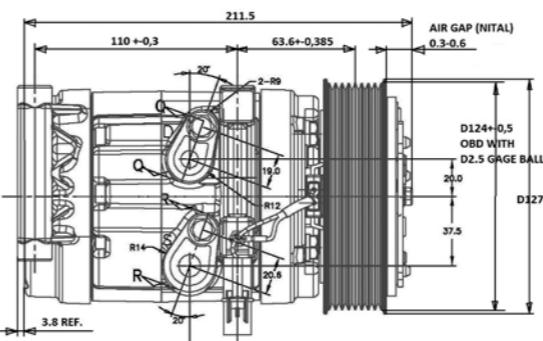
Parameters	Specification
Type	10-cylinder, axial swash plate mechanism
Displacement (cm ³)	154.1
Number of pistons	10
Lubricant charge (cm ³)	230 ± 10
Max. allowable speed (RPM)	10,500
Continuos allowable speed (RPM)	800 – 9,000
Rotation	Clockwise
Refrigerant	R134a

Order number	Type	Quantity (ml)
Oil	PAG ISO 46	250
62040595B		

Compressors

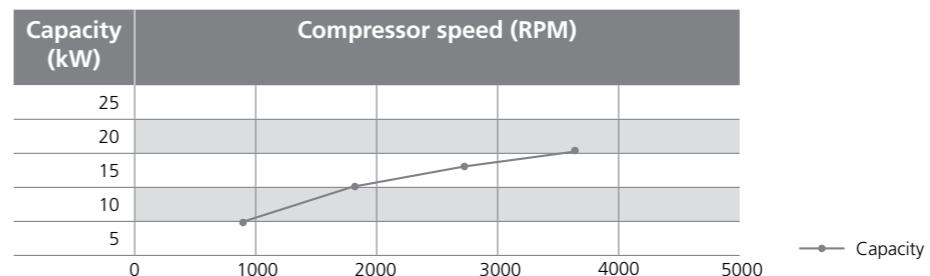
Delphi SP20

DELPHI



The SP20 compressor is equipped with 10 pistons, and it has 210 cm³ displacement/revolution. The compressor is one of the most reliable on the market and its power and robustness are particularly suitable for commercial and industrial vehicles, tractors, etc. The high number of pistons (10) guarantees minimum vibration and the capacity curves are at a very high level. The compressor body is provided with flanged ports, but it's possible to adapt the ports to O-Ring connections (3/4" 16 UNF; 7/8" 14 UNF) by means of two adapters, supplied in the kits 62A03924 and 62A031056. Refrigerant R134a.

Performance:



Technical specifications:

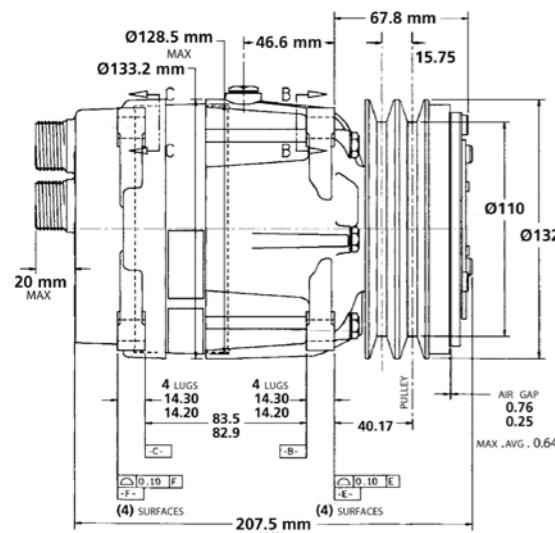
Parameters	Specification
Type	Swash plate
Displacement (cm ³)	210
Lubricant charge (g)	400 ± 15
Max. allowable speed (RPM)	9,000
Refrigerant	R134a

Kit order number	Order number	Type	Quantity (ml)	Dimension
Oil	62040595B	PAG ISO 46	250	
Adapters	620231252A	62043584A		3/4"
		62043585A		7/8"
Adapters straight	62A03924A	62043291A		3/4"
		62043290A		7/8"
Adapters 90°	62A031056A	62043392A		7/8"
		62043391A		3/4"

Compressors

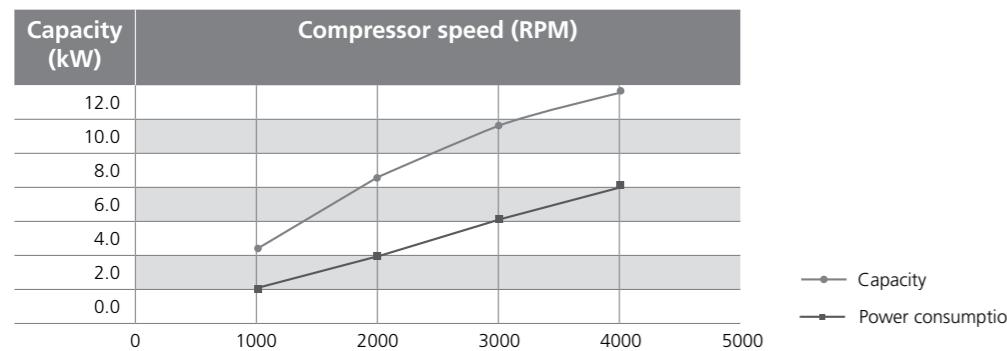
Delphi V5

DELPHI



The first volume-produced variable displacement compressor, (98/151 cm³) the five-piston V-5 automatically adjusts displacement to match the vehicle's air-conditioning demand. A control valve in the V-5's rear head senses evaporator load, and automatically changes displacement to match that load. Refrigerant R134a

Performance:



Technical specifications:

Parameters	Specification
Type	5 piston wobble plate mechanism continuously variable displacement
Displacement (cm ³)	Maximum: 156, Minimum: 10
Dimensions (mm)	Length: 205.0, Diameter: 135.0
Dry weight (kg)	6,3 (with clutch assembly)
Capacity (2000 rpm) (W)	7,511
Operating speed (RPM)	standard 6,000, maximum continuous 7,500, transient
Displacement control	Integral pneumatic control valve
High pressure relief valve setting	3171-4137 psf, 3171-4137 kPa
Rotation	Clockwise
Refrigerant	R134a

Order number	Type	Quantity (ml)	Color	Description	200 lb/in ²	100 lb/in ²
Oil						
62040594B	PAG ISO 150	250				
Valve						
620425008A			Orange	V5 valve	44.0/46.0	48.8/52.2
620425009A			Red	V5 valve	44.0/46.0	48.8/52.2
620425010A			Brown	V5 valve	42.0/44.0	49.8/50.2
620425011A			Yellow	V5 valve	39.0/41.0	43.8/47.2
620425013A			Blue	V5 valve	41.0/43.0	48.8/49.2
620425014A			Green	V5 valve	37.0/39.0	41.3/44.7

Compressors, Tensioning

Compressors

DELPHI

Compressors, Tensioning

Type	Fittings	Suction (mm/inch)	Discharge (mm/inch)	Ø Pulley (mm)	Groove type	Manufacturer code	Volt (V)	Refrigerant	Order number
CVC	Vert./Flanged	15.7	12.8	105	Poly-V 6	HR145897; 1139009	12	R134a	62015179A
CVC	Vert./Flanged	17.7	11.8	125	Poly-V 6	1139519; 1140706; 1141021	12	R134a	62015189AB
HD6	Horiz./Flanged	-	-	132	A-1	1136608; 1136612; 1140486	12	R134a	62015168A
SP10	Vert./Flanged	-	-	105	Poly-V 6	717113; 091052	12	R134a	62015142B
SP10	Vert./Flanged	-	-	112	Poly-V 4 + 4	717618; 020661	12	R134a	62015151A
SP10	Vert./Flanged	-	-	121	A-2	717638; 090962	12	R134a	62015155C
SP15	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	740351; 101062	12	R134a	62015200B
SP15	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	121	Poly-V 8	740353; 090961	12	R134a	62015201B

Compressors, Tensioning

Compressors

DELPHI

	Type	Fittings	Suction (mm/inch)	Discharge (mm/inch)	Ø Pulley (mm)	Groove type	Manufacturer code	Volt (V)	Refrigerant	Order number
	SP15	Vert./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	740354; 070661	12	R134a	62015202B
	SP15	Vert./Rotalock	1" 14 UNS	1" 14 UNS	121	Poly-V 8	740356; 101361	12	R134a	62015203B
	SP15	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	740352; 031061	24	R134a	62015204B
	SP15	Vert./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	740355; 070661	24	R134a	62015205B
	SP15	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	121	Poly-V 8	740409; 060961	24	R134a	62015206A
	SP15	Vert./Rotalock	1" 14 UNS	1" 14 UNS	121	Poly-V 8	740410; 011761	24	R134a	62015207A
	SP15	Vert./O-Ring	7/8" 14 UNF	3/4" 16 UNF	121	Poly-V 8	740439; 061652	12	R134a	62015209A
	SP15	Vert./O-Ring	7/8" 14 UNF	3/4" 16 UNF	121	Poly-V 8	740440; 061352	24	R134a	62015210A

Compressors, Tensioning

Compressors

DELPHI

	Type	Fittings	Suction (mm/inch)	Discharge (mm/inch)	Ø Pulley (mm)	Groove type	Manufacturer code	Volt (V)	Refrigerant	Order number
	SP15	Vert./Flanged	14.87	12.1	121	Poly-V 10	740477	12	R134a	62015213B
	SP15	Vert./O-Ring	7/8" 14 UNF	3/4" 16 UNF	132	A-2	740001	12	R134a	62015245A
	SP15	Vert./O-Ring	7/8" 14 UNF	3/4" 16 UNF	132	A-2	740133	24	R134a	62015246A
	SP15	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	741309	12	R134a	62015256A
	SP20	Vert./Flanged	-	-	124	Poly-V 8	PV6989	12	R134a	62015274A
	SP20	Vert./Flanged	-	-	134	A-2	PV7222	12	R134a	62015275A
	SP20	Vert./Flanged	-	-	123	Poly-V 8	PV7224	24	R134a	62015276A
	SP20	Vert./Flanged	-	-	134	A-2	PV7223	24	R134a	62015277A

Compressors, Tensioning

Compressors

DELPHI

	Type	Fittings	Suction (mm/inch)	Discharge (mm/inch)	Ø Pulley (mm)	Groove type	Manufacturer code	Volt (V)	Refrigerant	Order number
	V5	Horiz./Rotalock	1" 14 UNF	1" 14 UNS	—	—	6553634	—	R134a	62015124A
	V5	Vert./Rotalock	1" 14 UNS	1" 14 UNS	—	—	6553633	—	R134a	62015125A
	V5	Horiz./Flanged	—	—	—	—	6580332	—	R134a	62015144B
	V5	Vert./Flanged	—	—	—	—	6581383	—	R134a	62015166B
	V5	Vert./Flanged	—	—	—	—	6581290	—	R134a	62015169C
	V5	Horiz./Flanged	—	—	132	Poly-V 6	700634	12	R134a	62015196A
	V5	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	6553634	12	R134a	62085015120AB
	V5	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	119	Poly-V 8	6553634	12	R134a	62085015121B

Compressors, Tensioning

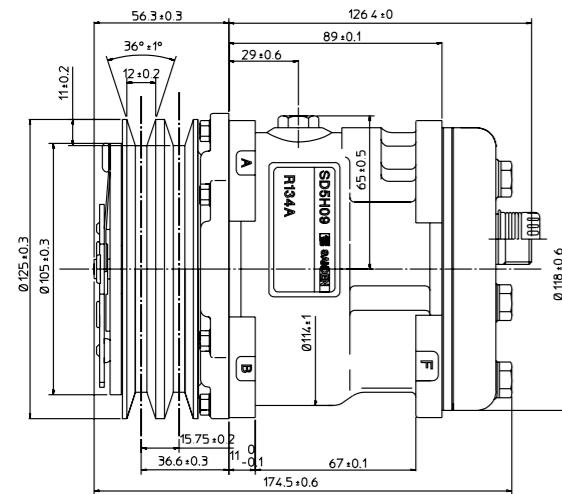
Compressors

DELPHI

	Type	Fittings	Suction (mm/inch)	Discharge (mm/inch)	Ø Pulley (mm)	Groove type	Manufacturer code	Volt (V)	Refrigerant	Order number
	V5	Vert./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	6553633	12	R134a	62085015122B
	V5	Vert./Rotalock	1" 14 UNS	1" 14 UNS	119	Poly-V 8	6553633	12	R134a	62085015123B
	V5	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	6553634	24	R134a	62085015162A
	V5	Vert./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	6553633	24	R134a	62085015163A
	V5	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	119	Poly-V 8	6553634	24	R134a	62085015164A
	V5	Vert./Flanged	16.4	16.4	132	A-2	6581383; 6560385	12	R134a	62085015167A
	V5	Vert./Flanged	16.4	16.4	122	Poly-V 8	6581383	12	R134a	62085015199A

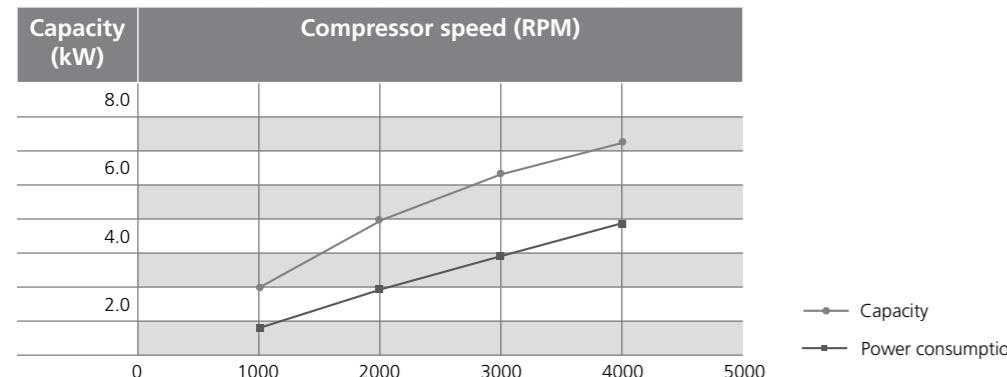
Compressors

Sanden SD5



This compressor is equipped with 5 pistons, and it has (87 cm³) displacement/revolution. The reliability of this compressor is among the highest in the market. The compressor body is equipped with 8 "ears"; this feature, along with the mounting angle (+/-90°), allows for using the best mounting options. This SD5H09 compressor, is the version for R134a. The SD5L09 compressor is for R404a version. The compressors are available with O-Ring ports (3/4" 16 UNF; 7/8" 14 UNF) – for more details, please see the technical table.

Performance SD5H09 (R134a):



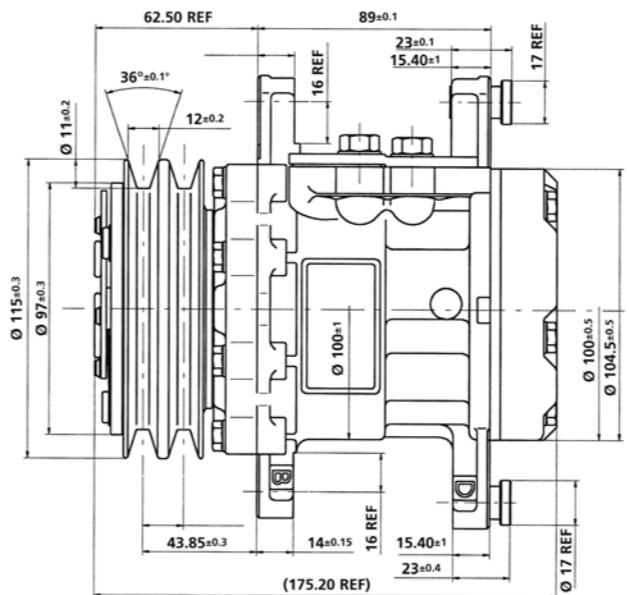
Technical specifications SD5H09 (R134a):

Parameters	Specification
Piston diameter (Ø mm)	35
Stroke (mm)	18.07
Displacement (cm ³)	87
Number of cylinders	5
Max. allowable speed (RPM)	7,500
Max. allowable continuos speed (RPM)	6,500
Lubricant charge (cm ³)	100
Rotation	Clockwise
Refrigerant	R134a

Order number	Type	Quantity (ml)
Oil	PAG ISO 100 for SD5H09 (R134a)	250
62040593A	POE ISO 68 for SD5L09 (R404A)	250
62040599B		

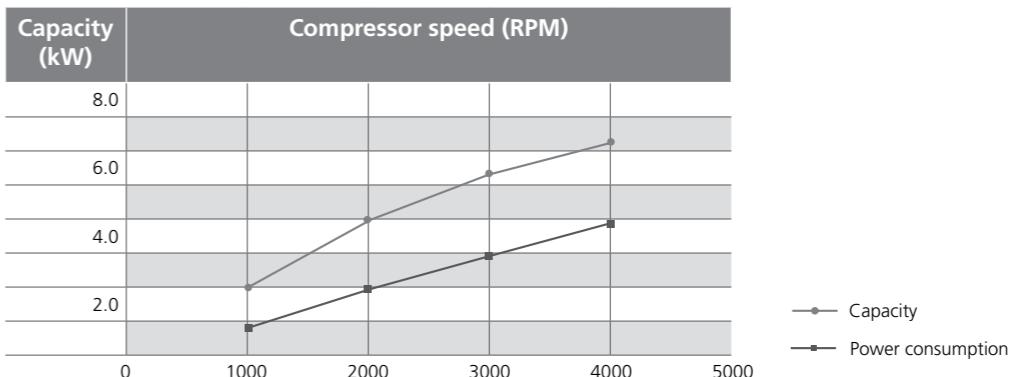
Compressors

Sanden SD7B10



This compressor is equipped with 7 pistons, and it has 99 cm³ displacement/revolution. The reliability of this compressor is among the highest in the market. The compressor body is provided with 4 "ears"; this feature, along with the mounting angle (+/-90°), allows for taking advantage of the best mounting options. This SD7B10 compressor, is the version for R134a refrigerant, of the old type SD706 (for R12), so its dimensions are small and it is lightweight. The compressors are available with flanged ports.

Performance:



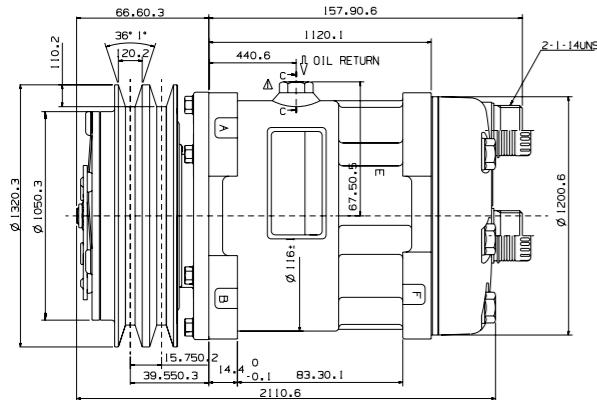
Technical specifications:

Parameters	Specification
Piston diameter (Ø mm/inch)	25.4/1
Stroke (mm/inch)	25.1/1.11
Displacement (cm ³)	99.8 (6.1 cu. in.)
Dry weight (kg/lbs)	2.8/6.2
Number of cylinders	7
Max. allowable speed (RPM)	9,300
Max. allowable continuos speed (RPM)	6,500
Refrigerant	R134a

Order number	Type	Quantity (ml)
Oil	PAG ISO 46	250
62040595B		

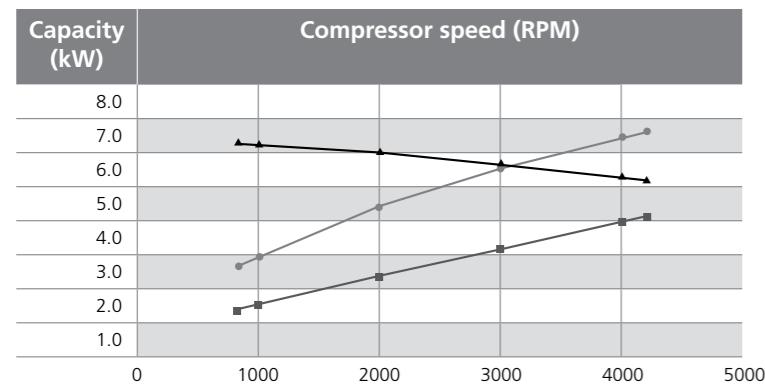
Compressors

Sanden SD7H15



This compressor is equipped with 7 pistons, and it has 154 cm^3 displacement/revolution. The reliability of this compressor is among the highest in the market. The compressor body is equipped with 8 "ears"; this feature, along with the mounting angle (+/-90°), allows for using the best mounting options. This SD7H15 compressor, is the version for R134a refrigerant, of the old type SD709 (for R12). The compressors are available with Rotalock ports (1" – 14 UNS), but also with O-Ring ports (3/4" 16 UNF; 7/8" 14 UNF).

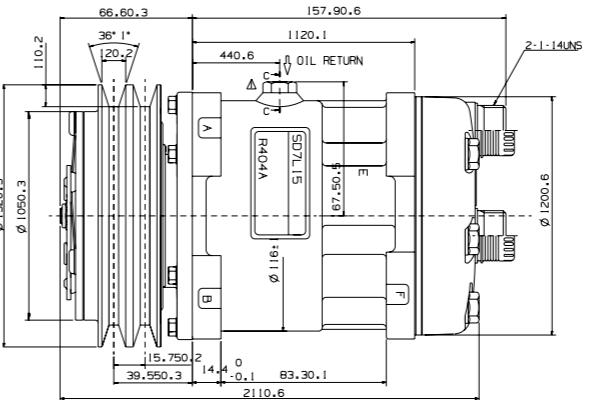
Performance:



- Capacity
- Power consumption
- ▲ C.O.P.

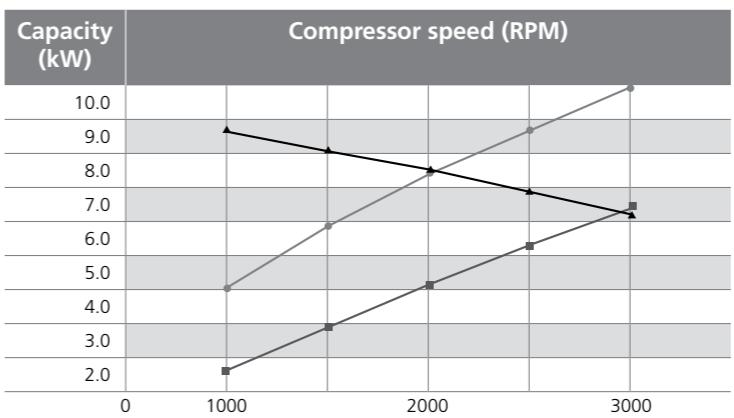
Compressors

Sanden SD7L15



This compressor is equipped with 7 pistons, and it has (154 cm^3) displacement/revolution. The reliability of this compressor is among the highest in the market. The compressor body is equipped with 8 "ears"; this feature, along with the mounting angle (+/-90°), allows for using the best mounting options. This SD7L15 compressor, is the version for R404a. The compressors are available with Rotalock ports (1" 14 UNS).

Performance:



- Capacity
- Power consumption
- ▲ C.O.P.

Technical specifications:

Parameters	Specification
Piston diameter (Ø, mm/inch)	29.3/1.15
Stroke (mm/inch)	32.8/1.29
Displacement (cm³)	154.9 (9.5 cu. in.)
Dry weight (kg/lbs)	6.2
Number of cylinders	7
Max. allowable speed (RPM)	7,000
Max. allowable continuous speed (RPM)	6,000
Refrigerant	R134a

Technical specifications:

Parameters	Specification
Piston diameter (Ø, mm/inch)	29.3/1.15
Stroke (mm/inch)	32.8/1.29
Displacement (cm³)	154.9 (9.5 cu. in.)
Dry weight (kg/lbs)	6.2
Number of cylinders	7
Max. allowable speed (RPM)	7,000
Max. allowable continuous speed (RPM)	6,000
Refrigerant	R404A

Order number	Type	Quantity (ml)
Oil 62040595B	PAG ISO 46	250

Order number	Type	Quantity (ml)
Oil 62040599B	POE ISO 68	250

Compressors, Tensioning

Compressors



	Type	Fittings	Suction (mm/inch)	Discharge (mm/inch)	Ø Pulley (mm)	Groove type	Manufacturer code	Volt (V)	Refrigerant	Order number
	SD5H09	Horiz./Rotalock	–	–	125	A-2	5081; 5601	12	R134a	62015218A
	SD5H09	Vert./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	5076; 5600	12	R134a	62015219A
	SD5H09	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	125	A-2	5099HR	12	R134a	62015255A
	SD5L09	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	125	A-2	S 5650 HT	12	R404A	62015250A
	SD7B10	Vert./Flanged	14.8	12	115	A-2	7170	12	R134a	62015116A
	SD7B10	Vert./Flanged	14.8	12	112	Poly-V 6	7176	12	R134a	62015117A
	SD7B10	Vert./Flanged	14.8	11.9	112	Poly-V 4 + 4	7181	12	R134a	62015143A
	SD7B10	Vert./Flanged	14.8	11.9	–	A-2	–	24	R134a	RMCO228A

Compressors, Tensioning

Compressors



	Type	Fittings	Suction (mm/inch)	Discharge (mm/inch)	Ø Pulley (mm)	Groove type	Manufacturer code	Volt (V)	Refrigerant	Order number
	SD7H15	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	7851	12	R134a	62015106A
	SD7H15	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	119	Poly-V 8	7830	12	R134a	62015107A
	SD7H15	Vert./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	7849	12	R134a	62015108A
	SD7H15	Vert./Rotalock	1" 14 UNS	1" 14 UNS	119	Poly-V 8	7850	12	R134a	62015109A
	SD7H15	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	7871	24	R134a	62015118A
	SD7H15	Vert./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	7872	24	R134a	62015128A
	SD7H15	Horiz./O-Ring	7/8" 14 UNF	3/4" 16 UNF	119	Poly-V 8	8085	24	R134a	62015193A
	SD7H15	Vert./Flanged	–	–	124	Poly-V 8	8203	12	R134a	62015224A

Compressors, Tensioning

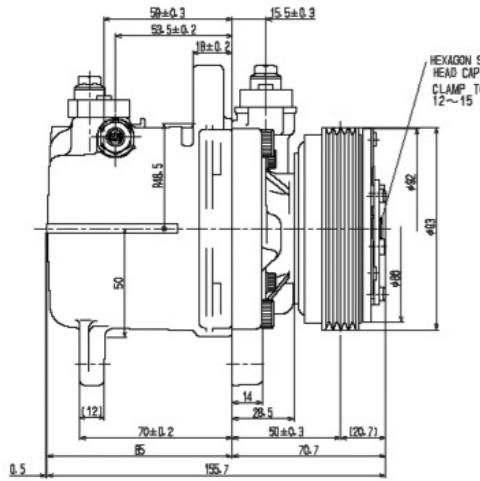
Compressors



	Type	Fittings	Suction (mm/inch)	Discharge (mm/inch)	Ø Pulley (mm)	Groove type	Manufacturer code	Volt (V)	Refrigerant	Order number
	SD7H15	Vert./O-Ring	7/8" 14 UNF	3/4" 16 UNF	132	A-2	S8239	24	R134a	62015238A
	SD7H15	Horiz./O-Ring	7/8" 14 UNF	3/4" 16 UNF	119	Poly-V 8	8027	12	R134a	6231351A
	SD7L15	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	S573	12	R404A	62015257A
	SD7L15	Horiz./Rotalock	1" 14 UNS	1" 14 UNS	119	Poly-V 8	S571	12	R404A	62015258A
	SD7L15	Vert./Rotalock	1" 14 UNS	1" 14 UNS	132	A-2	S572	12	R404A	62015259A
	SD7L15	Vert./Rotalock	1" 14 UNS	1" 14 UNS	119	Poly-V 8	S485	12	R404A	62015260A
	SD7V16	Vert./Flanged	-	-	-	A-2	-	24	-	RMCO679A

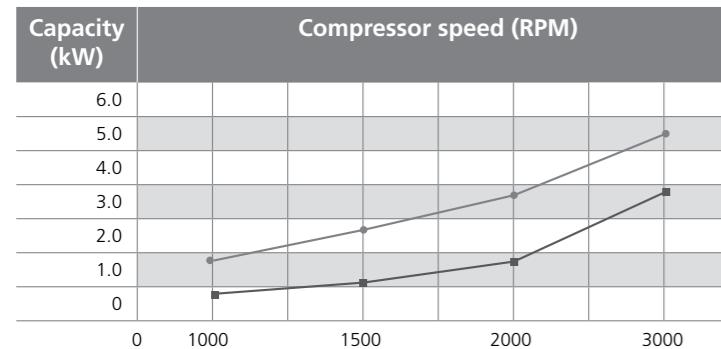
Compressors

Seiko Seiki



These Seiko Seiki compressors are characterized by a very light structure, compact size and flexible capacity control. They also generate very little noise, which is useful in the cases in which those characteristics are more important than the power. The quantity of oil in the refrigerant is very reduced, so the performances of the heat exchangers are completely used. These compressors use a vane rotary mechanism; the displacement is calculated adding the single refrigerant volumes moved by the vane rotary mechanism during the suction phase – 1 turn of the rotor inside the compressor. This displacement is named "Equivalent displacement". The displacement of SS10 and SS96 compressors is 96 cm³.

Performance:



—●— Capacity
—■— Power consumption

Technical specifications:

Parameters	Specification
Type	Oval type vane rotary
Displacement (cm ³)	96
Number of vanes	5
Continuous allowable speed (RPM)	800 – 8,000
Max. allowable speed (RPM)	8,400
Dry weight (kg)	1,58
Lubricant charge (cm ³)	90 +/-10
Acceptable Mounting angle	± 35 deg
Withstand pressure	Low pressure side 4.9 MPa x 5 min. High pressure side 7.4 MPa x 5 min.
Gas leak rate	Maximum 14 g/year at 0.98 MPa
Rotation	Clockwise
Applicable temp. (°C)	-10 to 100
Refrigerant	R134a

Order number	Type	Quantity (ml)
Oil		
62040593A	PAG ISO 100	250
62040598A	POE ISO 150	1,000

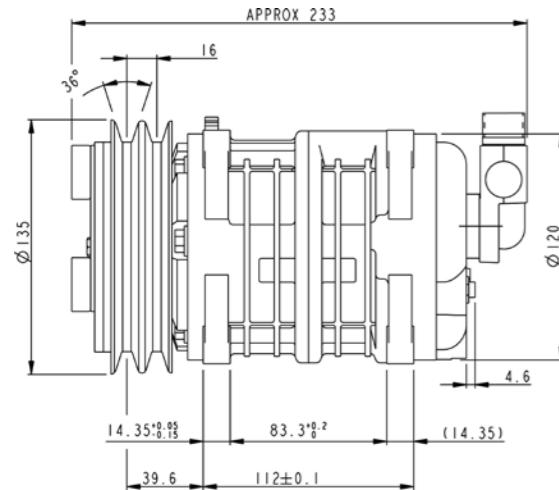
Compressors, Tensioning

Compressors, Seiko Seiki

Type	Fittings	Suction (mm/inch)	Discharge (mm/inch)	Ø Pulley (mm)	Groove type	Manufacturer code	Volt (V)	Refrigerant	Order number
	Vert./Flanged	18.3	15.5	110	Z-1	JS-72ZO-1	12	R134a	62015272A
	Vert./Flanged	—	—	114	Poly-V 4	—	12	R134a	62015141A
	Vert./Rotalock	—	—	137	Poly-V 6	—	12	R134a	62015129A
	Vert./Flanged	—	—	110	Z-1	XD22-F8A201C1	12	R134a	62015225A

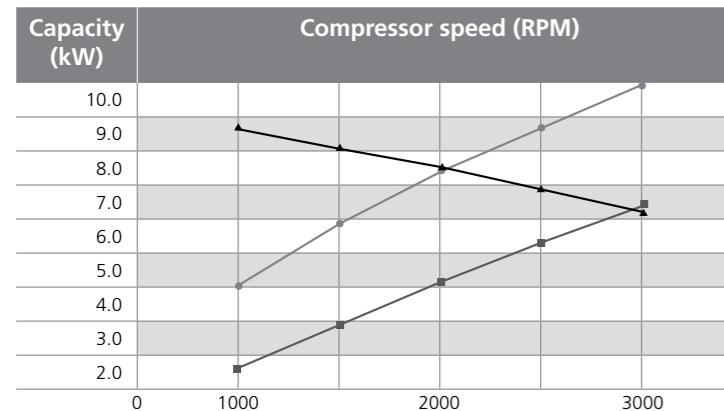
Compressors

Tama 13



This TM type fixed displacement swash plate piston type compressor is adaptable to any type of field application, from small engine to heavy duty, including mini bus applications.

Performance:



- Capacity
- Power consumption
- ▲ C.O.P.

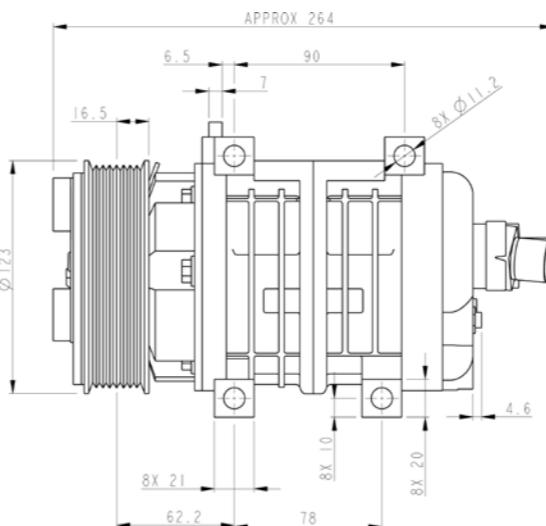
Technical specifications:

Parameters	Specification
Type	Swash Plate type
Number of cylinders	6
Piston diameter (Ø mm/inch)	36/1.42
Stroke (mm/inch)	21.4/0.84
Displacement (cm³)	131 (8 cu. in)
Dry weight (kg/lbs)	4.4/9.7
Permissible speed (RPM)	700 – 6,000
Lubricant	ICE No. 2560101 (1 L PAG) Oil Charge 150 + 20 cm³
Refrigerant	R134a

Order number	Type	Quantity (ml)	Suction	Discharge	Application
Oil					
62040593A	PAG ISO 100	250			
62040598A	POE ISO 150	1,000			
62040595B	POE ISO 68	250			
Adapters					
Adapter for horizontal connection					
62043440A			1" 14 UNS	1" 14 UNS	TM 13, TM15, TM16, TM21
Adapter for vertical connection					
62043544A			1" 14 UNS	1" 14 UNS	TM15, TM21

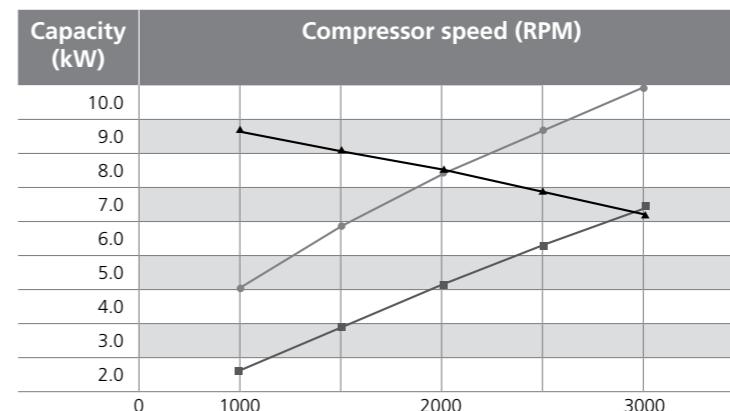
Compressors

Tama 15



This TM type fixed displacement swash plate piston type compressor is adaptable to any type of field application, from small engine to heavy duty, including mini bus applications.

Performance:



- Capacity
- Power consumption
- ▲ C.O.P.

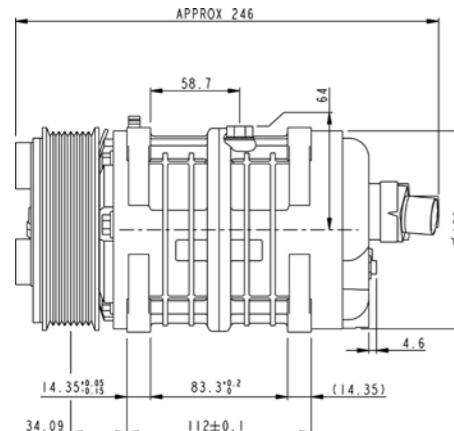
Technical specifications:

Parameters	Specification
Type	Swash Plate type
Number of cylinders	6
Piston diameter (Ø mm/inch)	36/1.42
Stroke (mm/inch)	24/0.94
Displacement (cm³)	146 (8.9 cu. in)
Dry weight (kg/lbs)	4.4/9.7
Permissible speed (RPM)	700 – 6,000
Lubricant	ICE No. 2560101 (1 L PAG) 150 + 20 cm³
Refrigerant	R134a

Order number	Type	Quantity (ml)	Suction	Discharge	Application
Oil					
62040593A	PAG ISO 100	250			
62040598A	POE ISO 150	1,000			
62040595B	POE ISO 68	250			
Adapters					
Adapter for horizontal connection					
62043440A			1" 14 UNS	1" 14 UNS	TM 13, TM15, TM16, TM21
Adapter for vertical connection					
62043544A			1" 14 UNS	1" 14 UNS	TM15, TM21

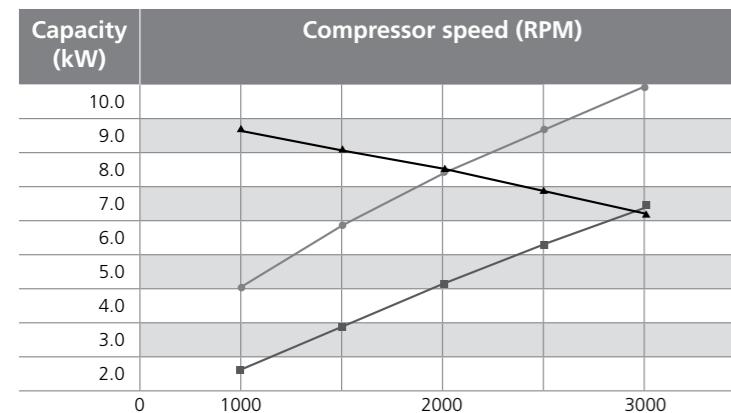
Compressors

Tama 16



This TM type fixed displacement swash plate piston type compressor is adaptable to any type of field application, from small engine to heavy duty, including mini bus applications.

Performance:



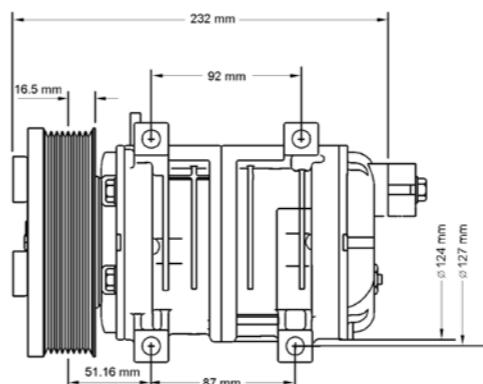
Technical specifications:

Parameters	Specification
Type	Swash Plate type
Number of cylinders	6
Bore diameter (Ø mm/inch)	36/1.42
Stroke (mm/inch)	26.7/1.05
Displacement (cm³)	163 (9.95 cu. in)
Dry weight (kg/lbs)	4.9/10.8
Permissible speed (RPM)	700 – 6,000
Lubricant charge (cm³)	150
Refrigerant	R134a

Order number	Type	Quantity (ml)	Suction	Discharge	Application
Oil					
62040593A	PAG ISO 100	250			
62040598A	POE ISO 150	1,000			
Adapters					
Adapter for horizontal connection					
62043440A			1" 14 UNS	1" 14 UNS	TM 13, TM15, TM16, TM21
Adapter for vertical connection					
62043544A			1" 14 UNS	1" 14 UNS	TM15, TM21

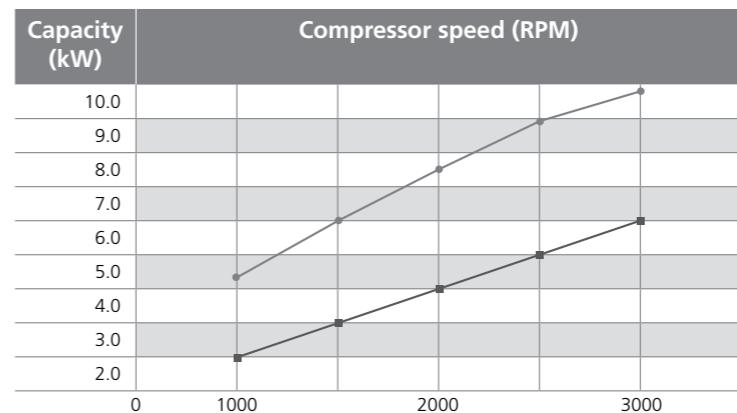
Compressors

Tama 21



This TM type fixed displacement swash plate piston type compressor is adaptable to any type of field application, from small engine to heavy duty, including mini bus applications.

Performance:



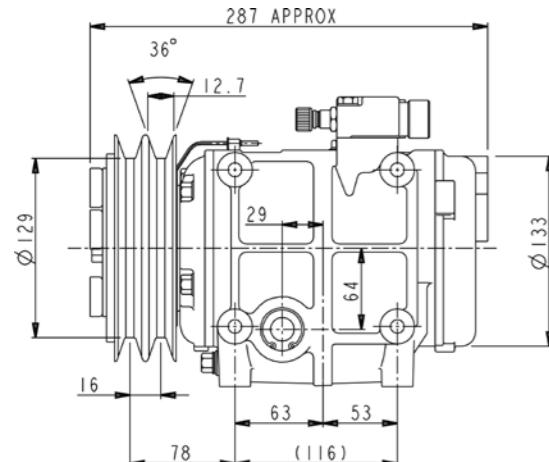
Technical specifications:

Parameters	Specification
Type	Swash Plate type
Number of cylinders	10
Bore diameter (Ø mm/inch)	32/1.26
Stroke (mm/inch)	26.7/1.05
Displacement (cm³)	215 (13 cu. in)
Dry weight (kg/lbs)	8.1/17.9
Permissible speed (RPM)	700 – 6,000
Lubricant	Depending on application, this compressor can be used with different compressor oils. See unit labels for proper oil specification. The installer is not responsible for proper oil selection.
Refrigerant	R134a

Order number	Type	Quantity (ml)	Suction	Discharge	Application
Oil					
62040593A	PAG ISO 100	250			
62040598A	POE ISO 150	1,000			
Adapters					
Adapter for horizontal connection					
62043440A			1" 14 UNS	1" 14 UNS	TM 13, TM15, TM16, TM21
Adapter for vertical connection					
62043544A			1" 14 UNS	1" 14 UNS	TM15, TM21

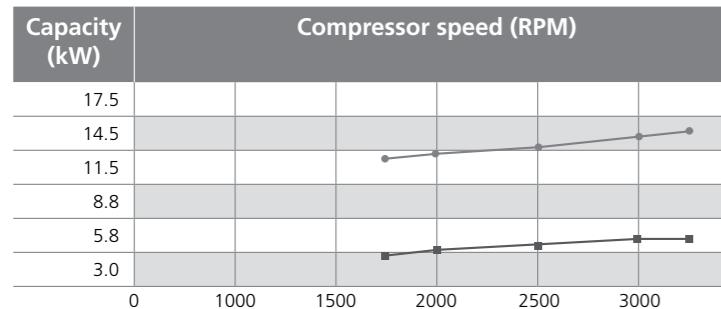
Compressors

Tama 31



This TM type fixed displacement swash plate piston type compressor is adaptable to any type of field application, from small engine to heavy duty, including bus applications.

Performance:



—● Capacity
—■ Power consumption

Technical specifications:

Parameters	Specification
Type	Swash Plate type
Number of cylinders	10
Piston diameter (Ø mm/inch)	36/1.42
Stroke (mm/inch)	30.7/1.21
Displacement (cm³)	313 (19.1 cu. in.)
Permissible speed (RPM)	700 – 6,000
Dry weight (kg/lbs)	9.5/21
Lubricant charge (cm³)	500
Refrigerant	R134a

Order number	Type	Quantity (ml)	Suction	Discharge	Application
Oil					
62040593A	PAG ISO 100	250			
62040598A	POE ISO 150	1,000			
Adapters					
62A031091A			7/8" 14 UNF	1 1/16" 14 UNF	TM31

Compressors, Tensioning

Compressors



Type	Fittings	Suction (mm/inch)	Discharge (mm/inch)	Ø Pulley (mm)	Groove type	Manufacturer code	Volt (V)	Refrigerant	Order number
TM13 HS	Horiz./O-Ring	7/8" 14 UNF	3/4" 16 UNF	135	A-2	807611	12	R134a	40152B
TM13 XS	Horiz./O-Ring	PAD	PAD	135	A-2	—	12	R404A	6231655A
TM13 HS	Horiz./O-Ring	7/8" 14 UNF	3/4" 16 UNF	135	A-2	435-54074	24	R134a	40153B
TM13 XS	Horiz./O-Ring	PAD	PAD	135	A-2	—	24	R404A	6231658A
TM13 HS	Vert./O-Ring	7/8" 14 UNF	3/4" 16 UNF	123	Poly-V 8	435-54120	12	R134a	67478A
TM13 XS	Vert./O-Ring	PAD	PAD	123	Poly-V 8	—	12	R404A	6231657A
TM13 HS	Vert./O-Ring	7/8" 14 UNF	3/4" 16 UNF	135	A-2	435-54070	24	R134a	80700B
TM13 HS	Vert./O-Ring	7/8" 14 UNF	3/4" 16 UNF	135	A-2	Z0006329A	12	R134a	80755B

Compressors, Tensioning

Compressors



	Type	Fittings	Suction (mm/inch)	Discharge (mm/inch)	Ø Pulley (mm)	Groove type	Manufacturer code	Volt (V)	Refrigerant	Order number
	TM13 HS	Horiz./O-Ring	7/8" 14 UNF	3/4" 16 UNF	123	Poly-V 8	435-54123	24	R134a	88139B
	TM13 XS	Horiz./O-Ring	PAD	PAD	123	Poly-V 8	-	24	R404A	6231659A
	TM15	Horiz./Flanged	-	-	135	A-2	Z0006351A	12	-	62015263A
	TM15	Horiz./Flanged	-	-	123	Poly-V 8	-	12	-	62015273A
	TM15 XS	Horiz./Flanged	PAD	PAD	123	Poly-V 8	-	12	R404A	6231660A
	TM15 HS	Horiz./O-Ring	7/8" 14 UNF	3/4" 16 UNF	135	A-2	Z0006347A	24	R134a	80739B
	TM15 XS	Horiz./O-Ring	PAD	PAD	135	A-2	-	24	R404A	6231661A
	TM15 XS	Horiz./O-Ring	PAD	PAD	123	Poly-V 8	-	24	R404A	6231662A
	TM16 HS	Vert./O-Ring	7/8" 14 UNF	3/4" 16 UNF	135	Poly-V 8	435-56122	12	R134a	9000678A

Compressors, Tensioning

Compressors

	Type	Fittings	Suction (mm/inch)	Discharge (mm/inch)	Ø Pulley (mm)	Groove type	Manufacturer code	Volt (V)	Refrigerant	Order number
	TM16 HS	Vert./O-Ring	7/8" 14 UNF	3/4" 16 UNF	135	A-2	435-56011	12	R134a	64040A
	TM16 HS	Horiz./O-Ring	7/8" 14 UNF	3/4" 16 UNF	135	A-2	435-56030	12	R134a	67045A
	TM16 XS	Horiz./O-Ring	PAD	PAD	135	A-2	-	12	R404A	6231663A
	TM16 HS	Horiz./O-Ring	7/8" 14 UNF	3/4" 16 UNF	135	A-2	435-56017; 488-46017	24	R134a	67046A
	TM16 XS	Horiz./O-Ring	PAD	PAD	135	A-2	-	24	R404A	6231665A
	TM16 HS	Horiz./O-Ring	7/8" 14 UNF	3/4" 16 UNF	123	Poly-V 8	435-56122	12	R134a	9000678A
	TM16 XS	Horiz./O-Ring	PAD	PAD	123	Poly-V 8	-	12	R404A	6231664A
	TM16 HS	Vert./O-Ring	7/8" 14 UNF	3/4" 16 UNF	123	Poly-V 8	435-56120	12	R134a	98536A

Compressors, Tensioning

Compressors



	Type	Fittings	Suction (mm/inch)	Discharge (mm/inch)	Ø Pulley (mm)	Groove type	Manufacturer code	Volt (V)	Refrigerant	Order number
	TM16 HS	Vert./O-Ring	7/8" 14 UNF	3/4" 16 UNF	123	Poly-V 8	435-56125	24	R134a	98561A
	TM16 XS	Vert./O-Ring	PAD	PAD	123	Poly-V 8	-	24	R404A	6231666A
	TM21	Horiz./Flanged	-	-	140	Poly-V 8	Z0006433A 885D	24	R134a	62015248A
	TM21	Horiz./Flanged	16.4	16.4	140	Poly-V 8	Z0006433A 885D	12	R134a	62015268A
	TMC31	Vert./-	1" 1/16	7/8" 14 UNF	154	B-2	-	24	R134a	62015265A
	TM31	Vert./Flanged	-	-	154	Poly-V-8	-	24	R134a	6232099A
	TM31	Vert./Flanged	-	-	153	A-2	-	24	R134a	6232100A

Compressors, Tensioning

Electromagnetic clutches

	Compressor type	Ø Pulley (mm)	Groove type	Volt(V)	Magnet part number	Note	Order number
	Delphi CVC	105	Poly-V 6	12	-	-	620165005A
	Seiko SS140	116	A-2	12	-	-	62016018A
	Delphi SP10	105	Poly-V 6	12	-	-	62016163A
	Delphi SP10	121	A-2	12	-	-	62016164A
	Delphi SP15	121	Poly-V 8	-	-	only pulley	62004085A
	Delphi SP15	-	-	12	620682812A	only magnet	-
	Delphi V5	120	Poly-V 10	12	-	-	62016124A
	Delphi V5	121	Poly-V 6	12	-	-	62016144A
	Delphi V5	119	Poly-V 8	12	-	-	62016161A

Compressors, Tensioning

Electromagnetic clutches

	Compressor type	Ø Pulley (mm)	Groove type	Volt (V)	Magnet part number	Note	Order number
	Delphi V5	122	Poly-V 8	12	-	-	62016169A
	Delphi V5	132	A-2	12	-	-	62016182A
	Delphi V5	119	Poly-V 8	12	-	-	62016183B
	Delphi V5	132	A-2	24	-	-	62016184A
	Delphi V5	119	Poly-V 10	12	-	-	62016190A
	Delphi SP21	124	Poly-V 8	12	62016187S2A	-	62016187A

Compressors, Tensioning

Adapters

	Dimension (Inch)	Description	Compressor type	Note	Order number
	3/4"	Tread Adapter	SP10	Suction	62043174B
	7/8"	Tread Adapter	SP10	Discharge	62043173B
	3/4" and 7/8"	Tread Adapter Kit	SP10	Suction (62043174B) and Discharge (62043173B)	620361774A
	3/4"	Tread Adapter	SP21 / SP20	Suction	62043290A
	7/8"	Tread Adapter	SP21 / SP20	Discharge	62043291A
	3/4" and 7/8"	Tread Adapter Kit	SP21 / SP20	Suction (62043290A) and Discharge (62043291A)	62A03924A
	7/8"	90° Adapter	SP21 / SP20	Suction	62043392A
	3/4"	90° Adapter	SP21 / SP20	Discharge	62043391A
	3/4" and 7/8"	90° Adapter Kit	SP21 / SP20	Suction (62043391A) and Discharge (62043392A)	62A031056A
	3/4"	90° Adapter	SP21	Suction	62043484A
	7/8"	90° Adapter	SP21	Discharge	62043485A
	3/4" and 7/8"	90° Adapter Kit	SP21	Suction (62043484A) and Discharge (62043485A)	620231989A

Compressors, Tensioning

Adapters

	Dimension (Inch)	Description	Compressor type	Note	Order number
	3/4"	Tread Adapter	SP15 / SD7H15	Suction	62043540A
	7/8"	Tread Adapter	SP15 / SD7H15	Discharge	62043541A
	3/4"	90° Adapter	SP20	Suction	62043584A
	7/8"	90° Adapter	SP20	Discharge	62043585A
	3/4" and 7/8"	Horizontal Flange Kit	TM13 / TM15 / TM16	Suction and Discharge	62043577A
	3/4" and 7/8"	Vertical Flange Kit	TM13 / TM15 / TM16	Suction and Discharge	62043578A
	3/4" and 7/8"	Vertical Flange Kit	TM13 / TM15 / TM16	Suction and Discharge	62043590A
	1" 14 UNF	Horizontal Flange	TM21 / TM15	Suction and Discharge	62043440A

Compressors, Tensioning

Adapters

	Dimension (Inch)	Description	Compressor type	Note	Order number
	1" 14 UNF	Vertical Flange	TM21 / TM15	Suction and Discharge	62043544A
	7/8" 14 UNF -HP- and 1 1/16" 14 UNS -LP-	Adapter kit	TM31	Suction and Discharge	62043475A

Compressors, Tensioning

Drag components

Belts

	Type	Length (mm)	Order number
	3 K	811	62013721A
	4 K	543	62013579S2A
	4 K	602	62013678A
	4 K	813	62013538S1A
	4 K	919	62013722A
	4 K	1,085	62013677A
	4 K	1,100	62013596S2A
	4 K	1,165	62013548A
	4 K	1,470	62013692S1A
	5 K	648	62013611S1A
	5 K	1,590	62013695A
	6 K	962	62013658A
	6 K	1,000	62013504A
	6 K	1,139	62013709A
	6 K	1,145	62013543A
	6 K	1,275	62013696S1A
	6 K	1,360	62013569S1A
	6 K	1,420	62013705A
	6 K	1,425	62013598S1A
	6 K	1,435	62013726A
	6 K	1,460	62013571A
	6 K	1,490	62013644A
	6 K	1,658	62013612S2A
	6 K	1,660	62013619A
	6 K	1,693	62013537S1A
	6 K	1,700	62013704A
	6 K	1,710	62013716A
	6 K	1,790	62013575A
	6 K	1,824	62013706A
	6 K	2,128	62013500A
	6 K	2,274	62013536S1A
	6 K	2,300	62013655S1A
	6 K	2,315	62013714A
	6 K	2,585	62013689A

	Type	Length (mm)	Order number
	7 K	615	62013718A
	7 K	670	62013723A
	7 K	690	62013719A
	7 K	730	62013724A
	7 K	1,815	62013715A
	7 K	1,954	62013618S2A
	7 K	2,050	62013710A
	8 K	1,370	62013682A
	8 K	1,688	62013650S1A
	A	635	62013005S1A
	A	685	62013007A
	A	750	62013011A
	A	768	62013117A
	A	887	62013022A
	A	930	62013025A
	A	937	62013026A
	A	975	62013029A
	A	992	62013030B
	A	1,000	62013031A
	A	1,015	62013032A
	A	1,025	62013033A
	A	1,050	62013035A
	A	1,060	62013036A
	A	1,075	62013037A
	A	1,100	62013039A
	A	1,125	62013041A
	A	1,150	62013111A
	A	1,200	62013048A
	A	1,220	62013049A
	A	1,300	62013055A
	A	1,325	62013057A
	A	1,385	62013061A
	A	1,425	62013064A
	A	1,500	62013069A
	A	1,550	62013073A
	A	1,575	62013075S1A
	Z	688	62012079A
	Z	1,125	62013669A

Compressors, Tensioning

Drag components

Cams

	Thickness (mm)	Distance between the 2 fixing points (mm)	Order number
	8		52.7 62006167A
	10		75.2 62006128B
	10		53 62006137A
	10		52.5 62006138A
	10		74 62006139A
	10		74.2 62006178A
	10		56 62006204A
	10		65.3 62006222B
	24		30 62006092A
	45.5		31.5 62006210B
	52.6		51 62006213A

Compressors, Tensioning

Drag components

Pivots

A (mm)	B (mm)	C (mm)	Ø D (mm)	E (mm)	F (mm)	Order number
18	13	8	8	13	14	62005089A
30.5	23.4	10	14.9	19	3.6	62005010ZNA
30.5	23.2	10	15	19	2.8	62005018ZNA
35	25	10	15	19	3.7	62005050A
38	23	10	14.9	19	3.6	62005032A
39	28	10	15	19	7	62005095A
40	31	10	16	22	12	62005088A
40.5	31.5	10	14.9	19	3.2	62005014ZNA
40.7	31.5	10	14.9	19	3.2	62005035A
42	26	8	15	19	6.2	62005058A
43	28	10	14.9	19	3	62005021ZNA
44.5	31	10	14.9	19	3.8	62005024ZNA
47	36	10	15	19	3.3	62005042A
49	32.4	10	14.9	19	4.3	62005034A
50	20	10	16	24	14	62005078A
52	38.4	10	15	19	7.4	62005023ZNA
54	20	10	16	24	10	62005041A
55	38.2	10	14.9	19	4.2	62005026ZNA
55	40.5	10	14.9	19	4	62005079A
57	41	8	15	19	6	62005052A

Compressors, Tensioning

Drag components

Idler pulleys

Ø External (mm)	Ø Internal (mm)	Thickness (mm)	Groove type	Order number
50	15	20	N	62004013B
50	15	24	N	62004024B
50	15	25	N	62004034B
50	15	27	N	62004090C
55	15	24	N	62004029B
60	15	24	N	62004047B
60	15	27	N	62004072B
64	15	24	N	62004020B
64	15	27	N	62004031B

Compressors, Tensioning

Drag components

Idler pulleys

	\varnothing External (mm)	\varnothing Internal (mm)	Thickness (mm)	Groove type	Order number
	64	15	23	POLI V 6	62004022B
	65	10	27	N	62004052DVB
	65	10	27	N	62004084A
	65	15	32	N	62004079B
	65	12	36	N	62004086A
	65	24	-	N	62004083A
	70	17	26	N	62004060B
	70	15	21	POLI V 5	62004049B
	74	15	25	POLI V 6	62004053B

Compressors, Tensioning

Drag components

Idler pulleys

	\varnothing External (mm)	\varnothing Internal (mm)	Thickness (mm)	Groove type	Order number
	75	15	31	N	62004088B
	78	15	16	N	62004055C
	78	15	17	N	62004061B
	78	15	32	N	62004080B
	80	15	16	A	62004007AC
	80	15	16	A	62004017C
	80	15	18	A	62004025B
	80	15	18	Z	62004002C
	83.5	15	27	N	62004059B

Compressors, Tensioning

Drag components

Idler pulleys

	Ø External (mm)	Ø Internal (mm)	Thickness (mm)	Groove type	Order number
	85	15	23	N	62004018B
	85	15	27	N	62004032C
	90	15	16	A	62004008AC
	90	15	18	A	62004026B
	92	15	27	N	62004073B
	100	15	27	N	62004066B
	110	15	41	A-2	62004082B
	110	15	44	A-2	62004092A

Compressors, Tensioning

Compressor mounting kits

Scope of delivery

- Compressor mounting kit
- All parts that are needed to integrate the compressor in the vehicle (pulley, idler, belt, etc)
- Compressor is NOT included

Citroën

Model	Emission standard	Model year	Cubic capacity (ccm)	HP	Cylinders	without original AC	with original AC	Notes	Order number compressor mounting kit	Order number compressor Rotolock	Order number compressor PAD fittings
Berlingo 1.6 HDI	Euro 4	from 2006	1,560	75	4	•	–	–	62A07CI79A	62015203B	–
Berlingo 1,600 HDI (KMD-131)	not defined	from 2008	1,560	90	4	–	•	–	62A07PE49A	–	–
Jumper 2.0 HDI	Euro 3	from 2001	1,997	84	4	–	•	–	62A07FI295A	62015200B	–
Jumper 2.0 HDI with rear steering pump	not defined	from 2004	1,997	84	4	•	–	–	62A07FI202A	62015201B	–
Jumper 2.2 HDI	Euro 4	from 2006	2,198	101	4	•	–	–	62A07FI269A	62015203B	–
Jumper 2.2 HDI (CI3C.023)	Euro 4	from 2006	2,198	101	4	–	•	Straight Inline Cylinders	62A07FI288A	62015200B	–
Jumper 2.2 HDI (CI3C.025)	Euro 5	–	2,198	101	4	–	•	Straight Inline Cylinders	62A07CI80A	62015263A	–
Jumper 2.2 HDI A Clim	Euro 4	from 2006	2,198	101	4	–	•	Straight Inline Cylinders	62A07FI275B	62015200B	–
Jumper 2.2 HDI (series 244)	not defined	from 2002	2,179	101	4	•	–	–	62A07FI196B	62015201B	–
Jumper 2.8 HDI (series 244)	not defined	from 2001	2,798	127	4	•	–	–	62A07FI176D	62015201B	–
Jumper 3.0 HDI	Euro 4	from 2006	2,999	157	4	•	–	–	62A07FI268A	62014270A	–
Jumper 3.0 HDI (Kit 62A07FI273A only fits on vehicles with original AC)	Euro 4/5	from 2006	2,999	157	4	–	•	–	62A07FI273A	62015201B	–
Jumper 33 – 35 2.8 HDI (series 230)	not defined	from 2000	2,798	127	4	•	–	–	62A07FI176D	62015201B	–
Jumpy 2.0 HDI-Mtj (CI3C.007)	Euro 3	from 2000	1,997	94	4	–	•	–	62A07CI81A	62015218A	–
Jumpy 2.0 MJ	Euro 4	from 2007	1,997	120	4	•	–	–	62A07FI270A	62015201B	–
Jumpy 2.0 MJ POWER (CI2C.024)	Euro 5	from 2010	1,997	163	4	–	•	–	62A07FI287A	–	62015263A
Scudo 1.6 HDI-Mtj (CI2C.026)	Euro 5	from 2011	1,560	90	4	–	•	–	62A07CI82A	62015273a	–

Compressors, Tensioning

Compressor mounting kits

Fiat

Model	Emission standard	Model year	Cubic capacity (ccm)	HP	Cylinders	without original AC	with original AC	Notes	Order number compressor mounting kit	Order number compressor Rotolock	Order number compressor PAD fittings
Doblò 1.6 Bipower (FI2C.015)	Euro 4/5	-	1,598	-	4	•	-	-	62A07FI292A	-	-
Ducato 2.0 JTD (series 230)	not defined	from 2001	1,997	84	4	•	-	-	62A07FI196B	62015201B	-
Ducato 2.0 JTD (series 244)	not defined	from 2001	1,997	84	4	•	-	-	62A07FI196B	62015201B	-
Ducato 2.3 JTD (series 244)	not defined	from 2001	2,286	110	4	•	-	-	62A07FI197B	62015200B	-
Ducato 2.8 JTD (series 244)	not defined	from 2001	2,798	127	4	•	-	-	62A07FI176D	62015201B	-
Ducato 10 – 14 2.5 D – 2.5 TDI	not defined	from 1994	2,500	85/116	4	•	-	-	62A07FI144B	62015201B	-
Ducato 10 – 14 2.8 TDI/JTD (series 230)	not defined	from 2000	2,800	122	4	•	-	-	62A07FI176D	62015201B	-
Ducato 2.0 JTD	Euro 3	from 2001	1,997	84	4	-	•	-	62A07FI295A	62015200B	-
Ducato 2.0 JTD with rear steering pump	not defined	from 2004	1,997	84	4	•	-	-	62A07FI202A	62015201B	-
Ducato 2.0 MJT SP15 (FI2C.035-000)	Euro 5	from 2011	1,956	116	4	-	•	-	62A07FI294A	62015201B	-
Ducato 2.0 MJT TM15 (FI2C.033-000)	Euro 5	from 2011	1,956	116	4	-	•	-	62A07FI286A	62015273A	-
Ducato 2.2 MJT	Euro 4	from 2006	2,198	101	4	•	-	-	62A07FI269A	62015203B	-
Ducato 2.3 MJT	Euro 4	from 2006	2,287	120	4	-	•	-	62A07FI276A	62015201A	-
Ducato 2.3 MJT	Euro 4	from 2006	2,287	120	4	•	-	-	62A07FI197B	62015200B, 62015204B	-
Ducato 2.3 MJT engine FIAE 0481 C	Euro 3	from 2006	2,286	110	4	-	•	-	62A07FI301A	-	-
Ducato 3.0 MJT	Euro 4	from 2006	2,999	157	4	•	-	-	62A07FI268A	62014270B	-
Ducato 3.0 MJT	Euro 4/5	from 2006	2,999	157	4	-	•	-	62A07FI273A	62015201B	-
Ducato X 250 2.2 MJT (CI2C.023)	Euro 4	from 2006	2,198	101	4	-	•	Straight Inline Cylinders	62A07FI288A	62015200B	-
Ducato X 250 2.2 MJT A Clim	Euro 4	from 2006	2,198	101	4	-	•	Straight Inline Cylinders	62A07FI275B	62015200B	-
Ducato X 250 2.3 MJT (FI2C.024-000)	Euro 4/5	from 2006 – 2011	2,286	110	4	-	•	-	62A07FI293A	-	-
Fiorino 1.3 MJT (FI1C.017)	Euro 5	from 2009	1,248	90	4	-	-	-	62A07FI298A	-	-
Fiorino 1.3 MJT 16V	Euro 5	from 2008	1,248	75	4	-	•	-	62A07FI285A	62015200B	-
Fiorino 1.4 (FI2C.029)	Euro 5	from 2011	1,368	95	4	-	•	-	62A07FI299A	62015218A	-
Nuovo Doblò Cargo 1.3 MJ (FI2C.005)	Euro 3/4	from 2004	1,248	69	4	-	•	-	62A07FI290A	62015218A	-
Nuovo Doblò Cargo 1.4 B (FI2C.007)	Euro 4	from 2010	1,368	95	4	-	•	-	62A07FI283A	62015218A	-
Nuovo Doblò Cargo 1.4 T-Jet Nat Pow (FI2C.030)	Euro 5	from 2011	1,368	120	4	-	•	-	62A07FI289A	62015263A	-
Nuovo Doblò Cargo 1.6 Bipower (FI2C.015)	Euro 4/5	-	1,598	-	4	-	•	-	62A07FI292A	-	-
Nuovo Doblò' Cargo 1.6 MJT (KMD-157-000)	Euro 5	from 2010	1,598	105	4	-	•	-	62A07FI281A	62015200B, 62015257A	-

Compressors, Tensioning

Compressor mounting kits

Fiat

Model	Emission standard	Model year	Cubic capacity (ccm)	HP	Cylinders	without original AC	with original AC	Notes	Order number compressor mounting kit	Order number compressor Rotolock	Order number compressor PAD fittings
Nuovo Doblò' Cargo 1.9 MJT (FI2C.011-000)	Euro 4	from 2007	1,910	105	4	-	•	-	62A07FI284A	62015218A	-
Nuovo Doblò' Cargo 2.0 MJT (KMD-157-000)	Euro 5	from 2010	1,956	135	4	-	•	-	62A07FI281A	62015200B, 62015257A	-
Scudo 1.6 MJ	Euro 4	from 2007	1,560	90	4	-	•	-	62A07FI282A	-	-
Scudo 1.6 MJ	Euro 4	from 2007	1,560	90	4	-	•	Additional kit 62A031103A for vehicle after November 2010	62A031103A	-	-
Scudo 1.6 MJT	Euro 4	from 2006	1,560	75	4	•	-	-	62A07CI79A	62015203B	-
Scudo 120 MJ	Euro 4	from 06/2007	1,997	120	4	-	•	-	62A07FI278A	62014408A	-
Scudo 2.0 MJ	Euro 4	from 2007	1,997	120	4	•	-	-	62A07FI270A	62015201B	-
Scudo 2.0 MJ POWER (CI2C.024)	Euro 5	from 2010	1,997	163	4	-	•	-	62A07FI287A	-	62015263A

Compressors, Tensioning

Compressor mounting kits

Ford

Model	Emission standard	Model year	Cubic capacity (ccm)	HP	Cylinders	without original AC	with original AC	Notes	Order number compressor mounting kit	Order number compressor Rotolock	Order number compressor O-Ring
Connect 1.8 TDi – TDCi (FO2C-008-000) (with aluminium engine block)	Euro 3/4	from 2003	1,753	75/90	4	–	•	–	62A07FO115A	62015218A	–
Connect 1.8 TDi – TDCi (FO2C-009-000) (with cast iron engine block)	Euro 3/4	from 2003	1,753	75/90	4	–	•	–	62A07FO114A	62015218A	–
H1 SV-H100 2.5 (engine D4B-F)	not defined	from 1999	2,476	81	4	–	•	–	62A07HY001A	62015218A	–
Transit (CUSTOM) 2.2 TDCi (Euro 4, Euro 5) (front & lateral engine)	Euro 4/5	from 2012	2,198	100/125	4	–	•	–	62A07FO118A	62015273A	–
Transit 2.2 TDCi	not defined	from 2006	2,198	110	4	•	–	–	62A07FI269A	62015203B	–
Transit 2.2 TDCi (rear wheel drive)	Euro 5	from 2011	2,198	100/125/155	4	–	•	–	62A07FO116A	62015263A	–
Transit 2.2 TDCi (FO3C-016)	Euro 4	from 2006	2,198	85/110	4	–	•	Straight Inline Cylinders	62A07FO117A	62015263A	–
Transit 2.2 TDCi (FO3C-016)	Euro 4	from 2006	2,198	115/140	4	–	•	–	62A07FO117A	62015263A	–
Transit 2.2 TDCi A Clim (DURATORQ)	Euro 4	from 2006	2,198	110	4	–	•	Straight Inline Cylinders	62A07FO110A	62015200B	–
Transit 2.4 TDCi GSX	not defined	from 2006	2,402	140	4	•	–	–	62A07FO111A	62015202B	–
Transit 2.4 TDCi A Clim	Euro 4	from 2006	2,402	140	4	–	•	Straight Inline Cylinders	62A07FO112A	62015200B	–
Transit 280/300 2.0 TD Int.	not defined	from 03/2000	1,998	75/100	4	•	–	–	62A07FO103B	62015200B	–
Transit 330/350 2.4 TD Int.	not defined	from 03/2000	2,402	90/125	4	•	–	–	62A07FO102B	62015202B	62015245A, 62015246A
Transit Connect 1.6 6 Speed	Euro 5	from 2014	1,560	75/95/115	4	–	•	–	6231898A	62015273A	–
Transit Connect 1.6 5 Speed	Euro 5	from 2014	1,560	75/95/115	4	–	•	–	6231899A	62015273A	–

Hyundai

Model	Emission standard	Model year	Cubic capacity (ccm)	HP	Cylinders	without original AC	with original AC	Notes	Order number compressor mounting kit	Order number compressor Rotolock
H100	not defined	from 2006	2,476	81	4	–	•	62A07HY001A	62015218A	–

Compressors, Tensioning

Compressor mounting kits

Iveco

Model	Emission standard	Model year	Cubic capacity (ccm)	HP	Cylinders	without original AC	with original AC	Notes	Order number compressor mounting kit	Order number compressor Rotolock	Order number compressor O-Ring	Order number compressor PAD fittings
Daily 2.3 HPI	not defined	from 2006	2,287	116	4	–	•	–	62A07IV013A	62015201B	–	–
Daily 2.3 HPI	Euro 5	from 2011	2,187	106/126	4	–	•	–	62A07IV016A	–	–	62015263A
Daily 2.3 HPI (also for Daily from year 2006)	not defined	from 2002	2,300	–	4	•	–	–	62A07FI197B	62015200B	–	–
Daily 29 L11 / 35 S11 / 2.8 TD	not defined	from 1999	2,798	105	4	•	–	–	62A07IV03C	62015203A	62015245A, 62015246A	–
Daily 29 L9 / 35 S9 / 2.8 D	not defined	from 1999	2,798	85	4	•	–	–	62A07IV03C	62015203A	62015245A, 62015246A	–
Daily 3.0 (engine F1C 3.0) "KB11068028"	Euro 3/4	from 2004	2,998	170	4	–	•	–	62A07IV015A	62015268A + 62043440A	–	62015268A
Daily 3.0 JTD (engine F1CE 3481)	Euro 5	from 2010	2,998	107/151	5	–	•	–	62A07IV023A	–	–	62014426A + 620231252A or 62014426A + 62A03924A or 62014426A + 62A031056A
Daily 3.0 JTD (engine F1CE 3481) (IV3C.020)	Euro 5	from 2010	2,998	107/150	4	–	•	–	62A07IV020A	–	–	62015273A
Daily 3.0 JTD (engine F1CE0481B)	Euro 4	from 2005	2,998	122	4	–	•	Straight Inline Cylinders	62A07IV009B	–	–	62015214A
Daily 3.0 JTD (engine F1CE0481B) (IV3C.013)	Euro 4	from 2005	2,998	122	4	–	•	Straight Inline Cylinders	62A07IV019A	–	–	62015263A
Daily 3.0 JTD 16V	not defined	from 2004	3,000	136	4	•	–	–	62A07IV05A	62084014305A	–	–
Daily 3.0 JTD with original belt tensioner	Euro 3/4	from 2003 to 2006	3,000	169/177	4	–	•	–	62A07IV012A	62014345A	–	–
Daily 35 S13 2.8 JTD	not defined	from 1999	2,798	125	4	•	–	–	62A07IV03C	62015203A	62015245A, 62015246A	–
Eurocargo Tector (IV3C.006)	not defined	from 2000	3,920 – 5,880	150/209	4 – 6	–	•	–	62A07IV017A	–	–	–
Eurocargo Tector (IV3C.006)	not defined	from 2000	3,920 – 5,880	150/209	4 – 6	•	–	–	62A07IV018A	–	–	–
Eurocargo Tector (IV3C.023)	not defined	–	–	–	6	–	•	–	62A07IV018A	–	–	–
New Daily 3.0 HPT (IV1C.025-000)	Euro 5	from 2011	2,998	146/170	4	•	–	–	62A07IV022A	–	–	–

Compressors, Tensioning

Compressor mounting kits

Mercedes-Benz

Model	Emission standard	Model year	Cubic capacity (ccm)	HP	Cylinders	without original AC	with original AC	Notes	Order number compressor mounting kit	Order number compressor Rotolock	Order number compressor O-Ring	Order number compressor PAD fittings
Mercedes 814 >15 24 (MB3C.006)	not defined	from 1995	5,958	210/ 240	6	–	•	–	62A07MB132A	62015204B	–	–
Mercedes 814 >15 24 (MB3C.006)	not defined	from 1995	5,958	210/ 240	6	•	–	–	62A07MB132A	62015204B	–	–
Sprinter 2.2 CDI	not defined	from 2006	2,148	150	4	–	•	Pulley to be combined to Vito and Sprinter 2.2 CDI if needed	62A07MB123A	62015200B	–	–
Sprinter 2.2 CDI	not defined	from 2006	2,148	150	4	•	–	–	62A07MB121A	62015203B	–	–
Sprinter 2.2 CDI with original preparation N63	Euro 5	from 2010	2,143	163	4	–	•	–	62A07MB130A	62015107A	–	–
Sprinter 2.2 CDI with original preparation N63	Euro 4	from 2006 to 2010	2,148	150	4	–	•	–	62A07MB122A	62015200B + 6280110FS018A + 6280108FS012B	–	–
Sprinter 2.2 DCI	not defined	from 2003	2,151	129	4	–	•	Pulley to be combined to Vito and Sprinter 2.2 CDI if needed	62A07MB116A	62015200B	–	–
Sprinter 208-213-313 CDI (engine OM 611)	not defined	from 2000	2,150	129	4	•	–	–	62A07MB108B	62015203B	62015245A, 62015246A	–
Sprinter 224 -> 524 Petrol/GPL (engine M272 E35) (KC08110142)	Euro 4	from 09/2008	3,500	258	6	–	•	–	62A07MB133A	–	–	–
Sprinter 3.0	Euro 4/5	from 2006	2,987	184	6	–	•	–	62A07MB128B	–	–	62015214A
Sprinter 3.0 (engine OM 642DELA) (original belt tensioner)	not defined	from 2006	2,987	184	6	–	•	–	62A07MB134A	62015203B	–	–
Sprinter 308-311-313 CDI (engine OM 612)	not defined	from 2000	2,150	–	4	•	–	–	62A07MB108B	62015203B	62015245A, 62015246A	–
Sprinter 316 CDI (engine OM651DE22LA (TR))	Euro 5	from 2009	2,143	163	4	–	•	–	62A07MB131A	62015200B	–	–
Sprinter 316 CDI (engine OM651DE22LA)	Euro 5	from 2009	2,143	163	4	–	•	–	62A07MB124C	62015203B	–	–
Vario 4.3	not defined	from 2000	4,250	136/ 152	4	•	–	–	62A07MB117A + 62A031000A	62015215A	–	–
Vario 4.3	not defined	from 2000	4,250	136/ 152	4	•	–	–	62A07MB117A + 62A031001A	62015207A	–	–
Vito 108 2.2 CDI	not defined	to 2003	2,151	82	4	•	–	–	62A07MB101A	62015201B	–	–
Vito 110 2.2 CDI	not defined	to 2003	2,151	102	4	•	–	–	62A07MB101A	62015201B	–	–
Vito 111-115 2.2 CDI	not defined	from 2003	2,148	110/ 150	4	–	•	Pulley to be combined to Vito and Sprinter 2.2 CDI if needed	62A07MB126B	62015200B, 62015204B	–	–
Vito 112 2.2 CDI	not defined	to 2003	2,151	122	4	•	–	–	62A07MB101A	62015201B	–	–

Compressors, Tensioning

Compressor mounting kits

Mitsubishi Motors

Model	Emission standard	Model year	Cubic capacity (ccm)	HP	Cylinders	without original AC	with original AC	Order number compressor mounting kit
Canter 3S13 motore 4P10-0AT2 (MI3C.011)	Euro 5	from 2011	2,977	–	4	–	•	62A07MI01A
Canter 3S13 motore 4P10-0AT2 (MI3C.011)	Euro 5	from 2011	2,977	–	4	•	–	62A07MI01A

Nissan

Model	Emission standard	Model year	Cubic capacity (ccm)	HP	Cylinders	without original AC	with original AC	Notes	Order number compressor mounting kit	Order number compressor Rotolock	Order number compressor O-Ring	Order number compressor PAD fittings
Cabstar 2.5 engine YD25K3	not defined	–	2,488	–	4	–	•	–	62A07RE145A	62015263A	–	–
Interstar 2.2 / 2.5 DCI (not prepared)	not defined	from 2002	2,188/ 2,463	90/ 115	4	•	–	–	62A07RE119C	62015202B	62015245A, 62015246A	–
Interstar 2.5 DCI	not defined	from 2006	2,464	120	4	•	–	–	62A07RE131A	62014401A	–	–
Interstar 2.5 DCI	Euro 4	from 2006	2,464	120	4	–	•	Additional Pulley 62A031031A	62A07RE132A	62015201B, 62015206A	–	–
Interstar 2.5 DCI with original AC	not defined	from 2004	2,463	114	4	–	•	–	62A07RE127B	62015201B, 62015206A	–	–
Interstar C28 1.9 DCI	not defined	from 2002	1,870	80	4	•	–	–	62A07RE125A	62015201B	–	–
NV200 1.5 DCI (RE2C.046)	Euro 5	from 2010	1,461	86	4	–	•	–	62A07RE141A	62015218A	–	–
NV200 1.5 DCI (RE1C.045)	Euro 5	from 2011	1,461	90/ 110	4	•	–	–	62A07RE138A	62015263A	–	–
Primastar 2.5 DCI / CDTi	Euro 4	from 2007	2,464	150	4	–	•	–	62A07RE134A	–	–	–
Primastar 1.9 DCI with original AC	not defined	from 2001	1,870	80/ 100	4	–	•	–	62A07RE128A	–	–	62014350A
Primastar 2.0 DCI	Euro 5	from 2010	1,995	90/ 115	4	•	–	–	62A07RE144A	62014429A, 62014430A	–	–
Primastar 2.0 DCI (not prepared)	Euro 4	from 2006	1,995	90/ 114	4	•	–	–	62A07RE130A	62015201B	–	–
Primastar 2.0 DCI / CDTi (RE2C.036)	Euro 5	from 2010	1,995	90/ 114	4	–	•	–	62A07RE137A	62015263A	–	–
Primastar 2.0 DCI / CDTi (RE2C.036)	Euro 5	from 2006	2,464	120	4	–	•	–	62A07RE131A	62014401A	–	–
Primastar 2.0 DCI A Clim	Euro 4	from 2006	1,995	90	4	–	•	Do not install on Euro 5 vehicles	62A07NI19A	62015200B	–	–
Primastar 2.5 DCI (not prepared)	not defined	from 2003	2,463	140	4	•	–	–	62A07NI16A	62015201B	–	–
Primastar C27 – C29 1.9 DCI (not prepared)	not defined	from 2003	1,870	82/ 101	4	•	–	–	62A07OP127A	62015201B	–	–

Compressors, Tensioning

Compressors, Tensioning

Compressor mounting kits

Opel

Model	Emission standard	Model year	Cubic capacity (ccm)	HP	Cylinders	without original AC	with original AC	Notes	Order number compressor mounting kit	Order number compressor Rotolock	Order number compressor O-Ring	Order number compressor PAD fittings
Movano 2.2 DTI / 2.5 DCI (not prepared)	not defined	from 2001	2,188/ 2,463	90/ 115	4	•	-	-	62A07RE119C	62015202B	62015245A, 62015246A	-
Movano 2.5 DCI	not defined	from 2006	2,464	120	4	•	-	-	62A07RE131A	62014401A	-	-
Movano 2.5 DCI	Euro 4	from 2006	2,464	120	4	-	•	Additional Pulley 62A031031A	62A07RE132A	62015201B, 62015206A	-	-
Movano 2.5 DCI with original AC	not defined	from 2004	2463	114	4	-	•	-	62A07RE127B	62015201B, 62015206A	-	-
Movano 2800 1.9 DCI	not defined	from 2002	1,870	80	4	•	-	-	62A07RE125A	62015201B	-	-
Vivaro 1.9 DCI with original AC	not defined	from 2001	1,870	80/ 100	4	-	•	-	62A07RE128A	-	62014350A	-
Vivaro 1.9 DI-DTI (engine F9Q) (not prepared)	not defined	from 2001	1,870	80/ 100	4	•	-	-	62A07OP127A	62015201B	-	-
Vivaro 2.0 CDTi	Euro 5	from 2006	1,995	90/ 114	4	•	-	-	62A07RE130A	62015201B	-	-
Vivaro 2.0 CDTi (not prepared)	Euro 4	from 2010	1,995	90/ 114	4	•	-	-	62A07RE144A	62014429A, 62014430A	-	-
Vivaro 2.0 DCI / CDTi (RE2C.036)	Euro 5	from 2010	1,995	-	4	-	•	-	62A07RE137A	62015263A	-	-
Vivaro 2.0 DCI A Clim	Euro 4	from 2006	1,995	90	4	-	•	Do not install on Euro 5 vehicles	62A07NI19A	62015200B	-	-
Vivaro 2.5 CDTi	Euro 4	from 2007	2,464	150	4	-	•	-	62A07RE134A	-	-	-
Vivaro 2.5 DTI (not prepared)	not defined	from 2003	2,463	133	4	•	-	-	62A07NI16A	62015201B	-	-

Compressors, Tensioning

Compressor mounting kits

Peugeot

Model	Emission standard	Model year	Cubic capacity (ccm)	HP	Cylinders	without original AC	with original AC	Notes	Order number compressor mounting kit	Order number compressor Rotolock	Order number compressor O-Ring	Order number compressor PAD fittings
Bipper 1.3 MJT (F1C.017)	Euro 5	-	-	-	-	-	-	-	62A07FI298A	-	-	-
Bipper 1.4 HDI (PE2C.001)	Euro 4	from 2009	1,399	-	4	-	•	-	62A07PE51A	62015218A	-	-
Boxer 2.0 HDI with rear steering pump	not defined	from 2004	1,997	84	4	•	-	-	62A07FI202A	62015201B	-	-
Boxer 2.2 HDI	Euro 4	from 2006	2,198	101	4	•	-	-	62A07FI269A	62015203B	-	-
Boxer 2.2 HDI (CI3C.023)	Euro 4	from 2006	2,198	101	4	-	•	Straight Inline Cylinders	62A07FI288A	62015200B	-	-
Boxer 2.2 HDI A Clim	Euro 4	from 2006	2,198	101	4	-	•	Straight Inline Cylinders	62A07FI275B	62015200B	-	-
Boxer 3.0 HDI	Euro 4	from 2006	2,999	157	4	•	-	-	62A07FI268A	62014270A	-	-
Boxer 3.0 HDI Kit 62A07FI273A is only for vehicles with original AC	Euro 4/5	from 2006	2,999	157	4	-	•	-	62A07FI273A	62015201B	-	-
Boxer 330-350 2.8 HDI	not defined	from 2000	2,798	125	4	•	-	-	62A07FI176D	62015201B	-	-
Boxer 350 2.2 HDI	not defined	from 2002	2,179	101	4	•	-	-	62A07FI196B	62015201B	-	-
Expert 2.0 MJ	Euro 4	from 2007	1,997	120	4	•	-	-	62A07FI270A	62015201B	-	-
Expert 2.0 MJ POWER (CI2C.024)	Euro 5	from 2010	1,997	163	4	-	•	-	62A07FI287A	-	62015263A	-
Jumper 2.2 HDI (CI3C.025)	Euro 5	-	2,198	100	4	-	•	Straight Inline Cylinders	62A07CI80A	62015263A	-	-
Partner 1600 HDI (KMD-131)	not defined	from 2008	1,560	90	4	-	•	-	62A07PE49A	-	-	-
Partner 1600 HDI (PE2C.003)	Euro 5	-	1,560	75/92	4	-	•	-	62A07PE50A	62015218A	-	-

Compressors, Tensioning

Compressor mounting kits

Renault

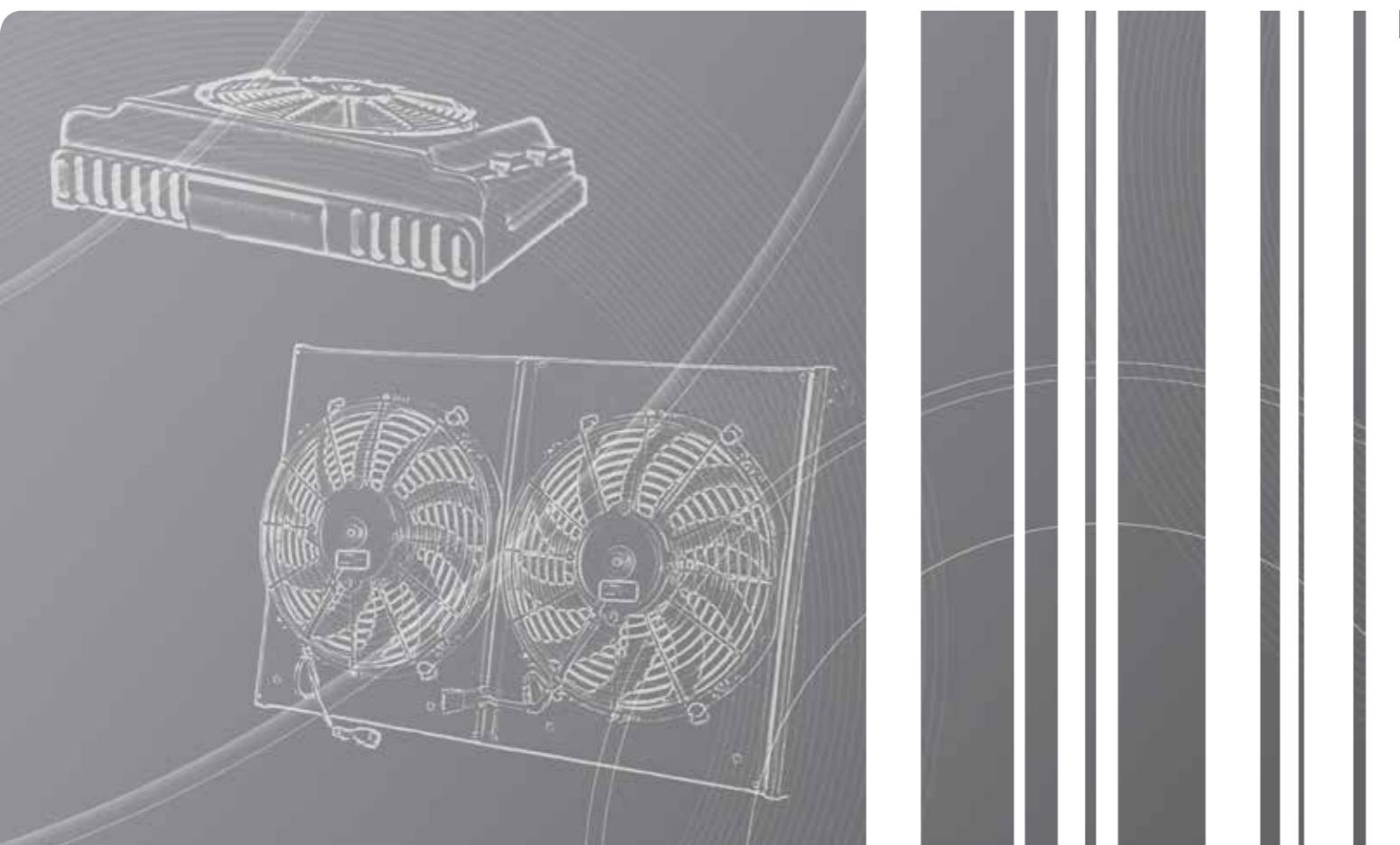
Model	Emission standard	Model year	Cubic capacity (ccm)	HP	Cylinders	without original AC	with original AC	Notes	Order number compressor mounting kit	Order number compressor Rotolock	Order number compressor O-Ring	Order number compressor PAD fittings
Kangoo 1.5 DCI	Euro 4	from 2008	1,500	105	4	•	-	-	62A07RE133A	62015201B	-	-
Kangoo 1.5 DCI (RE2C.046)	Euro 5	-	1,461	75/90	4	-	•	-	62A07RE141A	62015218A	-	-
Kangoo 1.5 DCI (RE1C.045)	Euro 5	from 2011	1,461	75/109	4	•	-	-	62A07RE138A	62015263A	-	-
Mascott & Master Propuls. 3.0 DCI	not defined	from 2004	2,953	136	4	-	•	-	62A07RE129A	62015203B, 62015207A	-	-
Master 2.2 T35 2.5 DCI (engine G9T) (not prepared)	not defined	from 2001	2,188/2,463	90/115	4	•	-	-	62A07RE119C	62015202B	62015245A, 62015246A	-
Master 2.3 DCI	Euro 5	from 2011	2,299	125	4	-	•	-	62A07RE136A	62015202B	-	-
Master 2.3 DCI Rear-wheel drive	Euro 5	from 2011	2,299	125	4	-	•	-	62A07RE140A	62015200B	-	-
Master 2.3 DCI	Euro 5	from 2010	2,999	100/125/150	4	•	-	-	62A07RE135A	62015203B	-	-
Master 2.5 DCI	not defined	from 2006	2,464	120	4	•	-	-	62A07RE131A	62014401A	-	-
Master 2.5 DCI	Euro 4	from 2006	2,464	120	4	-	•	Additional Pulley 62A031031A	62A07RE132A	62015201B, 62015206A	-	-
Master 2.5 DCI with original AC	not defined	from 2004	2,463	114	4	-	•	-	62A07RE127B	62015201B, 62015206A	-	-
Master T28 1.9 DCI	not defined	from 2002	1,870	80	4	•	-	-	62A07RE125A	62015201B	-	-
Maxity 2.5 engine DXI	not defined	-	2,488	-	4	-	•	-	62A07RE145A	62015263A	-	-
Trafic 1.9 DCI TD (engine F9Q76) (not prepared)	not defined	from 2001	1,870	80/100	4	•	-	-	62A07OP127A	62015201B	-	-
Trafic 1.9 DCI with original AC	not defined	from 2001	1,870	80/100	4	-	•	-	62A07RE128A	-	-	62014350A
Trafic 2.0 DCI	Euro 5	from 2010	1,995	90/115	4	•	-	-	62A07RE144A	62014429A, 62014430A	-	-
Trafic 2.0 DCI (not prepared)	Euro 4	from 2006	1,995	90/115	4	•	-	-	62A07RE130A	62015201B	-	-
Trafic 2.0 DCI A Clim	Euro 4	from 2006	1,995	90	4	-	•	Do not install on Euro 5 vehicles	62A07NI19A	62015200B	-	-
Trafic 2.0 DCI/CDTi (RE2C.035) (engine M9RE7)	Euro 4	from 2006	1,995	90/115/150	4	-	•	-	62A07RE142A	-	-	-
Trafic 2.0 DCI/CDTi (RE2C.036)	Euro 5	from 2010	1,995		4	-	•	-	62A07RE137A	62015263A	-	-
Trafic 2.5 DCI	Euro 3	from 2002	2,465	133	4	-	•	-	62A07RE139A	-	-	-
Trafic 2.5 DCI	Euro 4	from 2007	2,464	150	4	-	•	-	62A07RE134A	-	-	-
Trafic 2.5 DCI (not prepared)	not defined	from 2003	2,463	135	4	•	-	-	62A07NI16A	62015201B	-	-

Compressors, Tensioning

Compressor mounting kits

Volkswagen

Model	Emission standard	Model year	Cubic capacity (ccm)	HP	Cylinders	without original AC	with original AC	Notes	Order number compressor mounting kit	Order number compressor Rotolock	Order number compressor O-Ring	Order number compressor PAD fittings
Caddy 1.6 TDI (VW1C.025-000)	not defined	from 2011	1,595	102	4	•	-	-	62A07VW132A	-	-	-
Caddy 1.9 TDI (KMD-190)	not defined	from 2004	1,896	105	4	-	•	For vehicles with electric power steering	62A07VW125A	62015218A	-	-
Caddy 2.0 Ecofuel E5	not defined	from 2005 to 2010	1,984	109	4	-	•	-	62A07VW129A	-	-	-
Crafter	not defined	from 2006	2,461	136	4	-	•	Additional Pulley 62A031021A	62A07VW119A	62015201B	-	-
Crafter 2.0 TDI	Euro 5	from 2006 to 2011	1,968	109/163	4	-	•	-	62A07VW134A	62014421B	-	-
Crafter 2.0 TDI	Euro 5	from 2009	1,968	106/163	4	•	-	-	62A07VW134A	62014421B	-	-
Crafter 2.5 TDI	Euro 4	from 2006	2,461	136	4	•	-	-	62A07VW121A	62015203B	-	-
LT35 2.5 SDI (engine AGX)	not defined	from 1999	2,460	75/102	5	•	-	-	62A07VW99A	62015203A	62015245A, 62015246A	-
LT35 2.5 TDI (engine AHD-ANJ)	not defined		2,460	75/102	5	•	-	-	62A07VW99A	62015203A	62015245A, 62015246A	-
T5 1.9 TDI	not defined	from 2003	1,896	105	4	•	-	-	62A07VW114A	-	62015245A, 62015246A	-
T5 2.0 TDI	Euro 5	from 2010	1,968	136	4	•	-	-	62A07VW126A	62014407A	-	-
T5 2.5 TDI (engine AXD 005652 - BJL)	Euro 4	from 2003	2,460	128/174	5	-	•	-	62A07VW124A	62014406A	-	-
T5 2.0 TDI 5 gear box	Euro 5	from 2009	1,968	82/102	4	-	•	-	62A07VW130A	-	-	62015273A
T5 2.0 TDI Automatic Transmission	Euro 5	from 2009	1,968	140/180	4	-	•	-	62A07VW133A	-	-	-
T5 2.0 TDI 6 gear box	Euro 5	from 2009	1,968	140/180	4	-	•	-	62A07VW131A	-	-	62015273A



Condensers

Condensers

Webasto offers a full range of condensers from tube and fin to parallel flow design, available in a variety of mounting features and core sizes. The rooftop condenser units with fans with the performance from 2.8 to 12.5 kW are available in 12 V and 24 V version and are equipped with the relevant receiver drier.

The under chassis and front mounted condensers with the performance from 5 to 14 kW are available with fin pitch of 2.5 mm and 3.5 mm, suitable for agricultural applications or if used in particularly dusty environments. They are also available in 12 V and 24 V versions and can be supplied with a vehicle-specific installation kit. The HTC (Headered Tube Center) and CTSC (Compact Tube Square Center) condensers deliver up to 45 % higher heat exchange than tube and fin condensers with the same dimensions.

HTC condensers

Tube and fin condensers

Electroventilated condensers

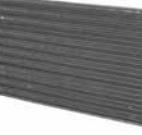
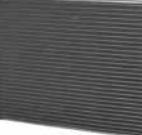
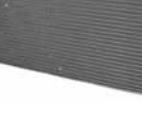
Performance of Condensers (in kW)

The heat dissipation capacity depend on the size, type and design of the condenser as well as on the air flow though the condenser. The following overview shows the performance depending on the air flow.

Order number	Type	Air flow (m³/h)						
		1000	1500	2000	2500	3000	3500	4000
62022296ORB	HTC	—	—	6.4	7.1	7.7	8.3	8.9
62022297ORB	HTC	—	—	6.7	7.5	8.2	8.8	9.6
62022298ORB	HTC	—	—	7.4	8.2	8.8	9.6	10.3
62022299ORB	HTC	—	—	7.7	8.4	9.1	9.7	10.3
62022300ORB	HTC	—	—	7.8	8.8	9.7	10.6	11.5
62022301ORB	HTC	—	—	8.7	9.8	10.8	11.6	12.5
62022327ORA	HTC	—	—	8.7	9.8	10.8	11.6	12.5
62022368ORC	HTC	—	—	6.0	6.7	7.2	7.8	8.2
62022379ORA	HTC	—	—	8.1	9.7	10.7	11.8	12.8
62022381A	HTC	—	—	6.5	7.3	8.2	8.8	9.4
62022417ORA	HTC	—	—	10.9	12.6	14.0	15.2	16.0
62022473A	HTC	5.3	7.1	8.6	9.8	11.0	11.7	12.2
62022446C	HTC	5.8	8.8	10.5	12.1	13.5	15.0	16.0
62022527B	HTC	5.6	7.3	8.7	10.7	11.9	13.9	13.9
62022481A	CTSC	—	—	4.3	5.1	5.6	6.2	6.8
62022486A	CTSC	5.3	7.8	8.9	10.4	11.8	13.2	14.4
62022528A	CTSC	—	—	5.3	6.0	6.8	7.5	8.0
62022531A	CTSC	—	—	4.3	4.6	5.1	5.7	6.2
62022535A	CTSC	—	—	5.3	6.0	6.8	7.5	8.0
62022536A	CTSC	—	—	5.3	6.0	6.8	7.5	8.0
62022540B	CTSC	6.2	9.1	11.0	11.8	12.5	12.6	12.6
62022541B	CTSC	5.7	7.7	9.3	9.9	10.4	10.5	10.5
62022046ORTA	Tube & Fin	2.6	3.1	3.4	3.7	3.9	4.1	4.3
62022047ORA	Tube & Fin	2.8	3.4	3.8	4.2	4.5	4.7	4.9
62022051ORA	Tube & Fin	2.9	3.6	4.2	4.6	5.0	5.4	5.7
62022053ORB	Tube & Fin	4.0	5.1	5.9	6.6	7.1	7.6	8.0
62022098ORA	Tube & Fin	4.4	5.8	6.8	7.7	8.8	9.1	9.6
62022148ORB	Tube & Fin	2.9	3.7	4.3	4.8	5.3	5.7	6.1
62022159ORA	Tube & Fin	4.5	5.9	7.0	7.9	8.7	9.3	9.9
62022331ORA	Tube & Fin	3.1	4.0	4.7	5.2	5.7	6.1	6.5
62022333ORA	Tube & Fin	2.2	2.8	3.1	3.5	3.7	3.9	4.1
62022334ORA	Tube & Fin	3.2	4.1	4.8	5.4	5.9	6.4	6.8
62022354ORA	Tube & Fin	3.2	4.0	4.5	4.9	5.3	5.5	5.7
62022358ORA	Tube & Fin	3.1	4.0	4.7	5.2	5.7	6.1	6.5
62022363ORA	Tube & Fin	4.7	6.0	7.0	7.8	8.4	8.9	9.4
62022364ORA	Tube & Fin	4.1	5.2	6.0	6.7	7.2	7.6	7.9
62022396A	Tube & Fin	3.3	4.3	5.0	5.6	6.1	6.6	7.0
62022411ORA	Tube & Fin	4.5	5.9	7.0	7.8	8.6	9.2	9.7
62022414ORA	Tube & Fin	3.9	5.0	5.9	6.7	7.4	8.0	8.6
62022422ORA	Tube & Fin	2.6	3.2	3.7	4.0	4.3	4.6	4.8
62022437A	Tube & Fin	2.6	3.2	3.6	4.0	4.3	4.5	4.7
62022442A	Tube & Fin	2.8	3.4	3.9	4.2	4.5	4.8	5.0
62022444A	Tube & Fin	2.1	2.5	2.8	3.0	3.2	3.3	3.4
62022451A	Tube & Fin	3.6	4.5	5.1	5.6	6.0	6.4	6.7
62022469A	Tube & Fin	2.9	3.7	4.3	4.7	5.1	5.5	5.8
62022495B	Tube & Fin	4.4	5.5	6.4	7.1	7.6	8.1	8.5
62022530B	Tube & Fin	3.8	5.0	5.9	6.7	7.3	7.9	8.5

Condensers

HTC condensers

	Length (mm)	Height (mm)	Thickness (mm)	Inlet (mm/inch)	Outlet (mm/inch)	Fin pitch (mm)	Note	Order number
	413	348	20	5/8" 18 UNF	3/4" 16 UNF	3.5	-	62022473A
	415	247.5	21	5/8" 18 UNF	3/4" 16 UNF	2.5	-	62022296ORB
	415	300	21	5/8" 18 UNF	3/4" 16 UNF	2.5	-	62022297ORB
	415	346	21	5/8" 18 UNF	3/4" 16 UNF	3.5	= 62022298ORB with different fin pitch	62022368ORC
	415	347	21	5/8" 18 UNF	3/4" 16 UNF	2.5	= 62022368ORC with different fin pitch	62022298ORB
	535	383	22.5	5/8" 18 UNF	3/4" 16 UNF	2.6	-	62022527B
	540	247	21	5/8" 18 UNF	3/4" 16 UNF	2.5	-	62022299ORB
	540	303	21	5/8" 18 UNF	3/4" 16 UNF	2.5	-	62022300ORB
	540	347	21	5/8" 18 UNF	3/4" 16 UNF	2.5	-	62022301ORB

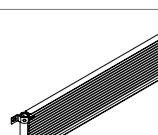
Condensers

HTC condensers

	Length (mm)	Height (mm)	Thickness (mm)	Inlet (mm/inch)	Outlet (mm/inch)	Fin pitch (mm)	Note	Order number
	540	347	21	5/8" 18 UNF	3/4" 16 UNF	2.5	-	62022327ORA
	540	348	21	5/8" 18 UNF	3/4" 16 UNF	3.5	-	62022381A
	659	440	21	5/8" 18 UNF	3/4" 16 UNF	3.5	-	62022379ORA
	659	440	21	5/8" 18 UNF	3/4" 16 UNF	2.5	-	62022417ORA
	710	375	17	10.15	15.45	2.5	-	620225647A
	800	446	21	5/8" 18 UNF	3/4" 16 UNF	2.8	-	62022446C

Condensers

CTSC condensers

	Length (mm)	Height (mm)	Thickness (mm)	Inlet (mm/inch)	Outlet (mm/inch)	Fin pitch (mm)	Note	Order number
	400	345	25	5/8" 18 UNF	3/4" 16 UNF	5	-	62022481A
	420	638	30	5/8" 18 UNF	3/4" 16 UNF	5	-	62022535A
	431	418	25	5/8" 18 UNF	3/4" 16 UNF	5	Receiver drier 62017072A included	62022531A
	450	640	25.4	15.5	15.5	5	-	62022536A
	645	726	25	5/8" 18 UNF	3/4" 16 UNF	5	-	62022486A
	680	726	22.5	5/8" 18 UNF	3/4" 16 UNF	5	-	62022528A
	700	170	43	15.5	15.5	3.5	-	62022540B
	700	170	25	15.5	15.5	3.5	-	62022541B

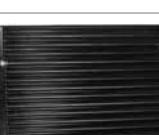
Condensers

Tube and fin condensers

	Length (mm)	Height (mm)	Thickness (mm)	Inlet (mm/inch)	Outlet (mm/inch)	Fin pitch (mm)	Order number
	240.5	250	40	5/8" 18 UNF	3/4" 16 UNF	2.5	62022444A
	310.5	300	40	5/8" 18 UNF	3/4" 16 UNF	2.1	62022047ORA
	310.5	300	35	5/8" 18 UNF	3/4" 16 UNF	2.1	62022442A
	360	307	42	3/4" 16 UNF	3/4" 16 UNF	3	62022422ORA
	390.5	350	25	5/8" 18 UNF	3/4" 16 UNF	2.5	62022333ORA
	410	320.5	65	5/8" 18 UNF	3/4" 16 UNF	2.8	62022364ORA
	417	250	28	5/8" 18 UNF	3/4" 16 UNF	1.6	62022046ORTA
	430	450	50	5/8" 18 UNF	3/4" 16 UNF	3.2	62022530B
	440.5	260	70	5/8" 18 UNF	3/4" 16 UNF	2.1	62022411ORA

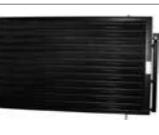
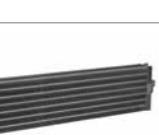
Condensers

Tube and fin condensers

	Length (mm)	Height (mm)	Thickness (mm)	Inlet (mm/inch)	Outlet (mm/inch)	Fin pitch (mm)	Order number
	480	370.5	50	5/8" 18 UNF 2B	3/4" 16 UNF	3	62022331ORA
	480	400	50	5/8" 18 UNF	3/4" 16 UNF	2.8	62022396A
	480	400	50	5/8" 18 UNF	3/4" 16 UNF	4.2	62022437A
	485	200	86.6	9.5	10.2	2.5	62022495B
	489	375	56	5/8" 18 UNF	3/4" 16 UNF	3	62022358ORA
	495	400	50	5/8" 18 UNF	3/4" 16 UNF	2.4	62022098ORA
	530	350	30	5/8" 18 UNF	3/4" 16 UNF	2.1	62022051ORA
	535	275	37.5	5/8" 18 UNF	3/4" 16 UNF	2.5	62022354ORA

Condensers

Tube and fin condensers

	Length (mm)	Height (mm)	Thickness (mm)	Inlet (mm/inch)	Outlet (mm/inch)	Fin pitch (mm)	Order number
	580.5	53	25	5/8" 18 UNF	3/4" 16 UNF	1.8	62022414ORA
	590	200	75	5/8" 18 UNF	3/4" 16 UNF	2.8	62022363ORA
	600	500.5	30	5/8" 18 UNF	3/4" 16 UNF	2.3	62022148ORB
	604	332	72	5/8" 18 UNF	3/4" 16 UNF	2.3	62022159ORA
	610	220.5	65	5/8" 18 UNF	3/4" 16 UNF	2.1	62022053ORB
	630	170.5	65	5/8" 18 UNF	3/4" 16 UNF	2.1	62022451A
	640	450	25	5/8" 18 UNF	3/4" 16 UNF	2.5	62022334ORA
	710.5	250	25	5/8" 18 UNF	3/4" 16 UNF	2.1	62022469A

Condensers

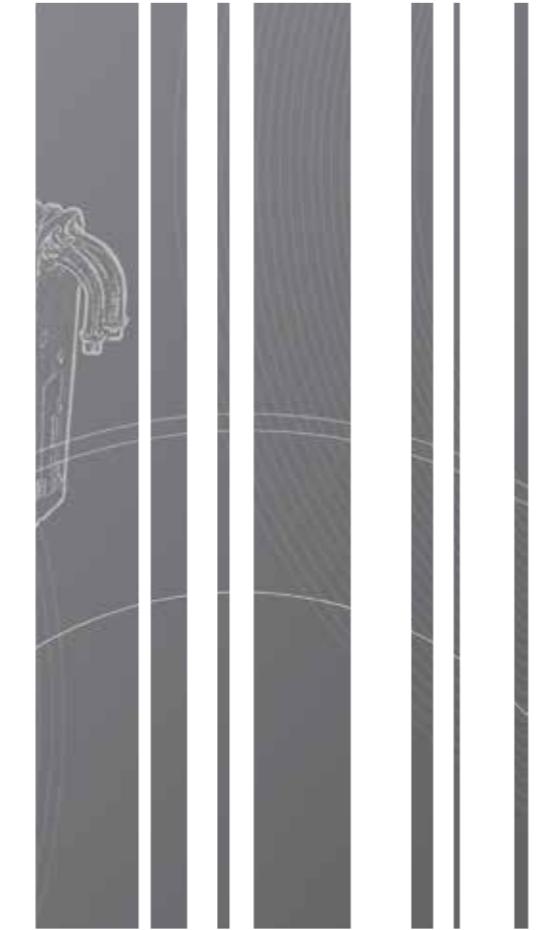
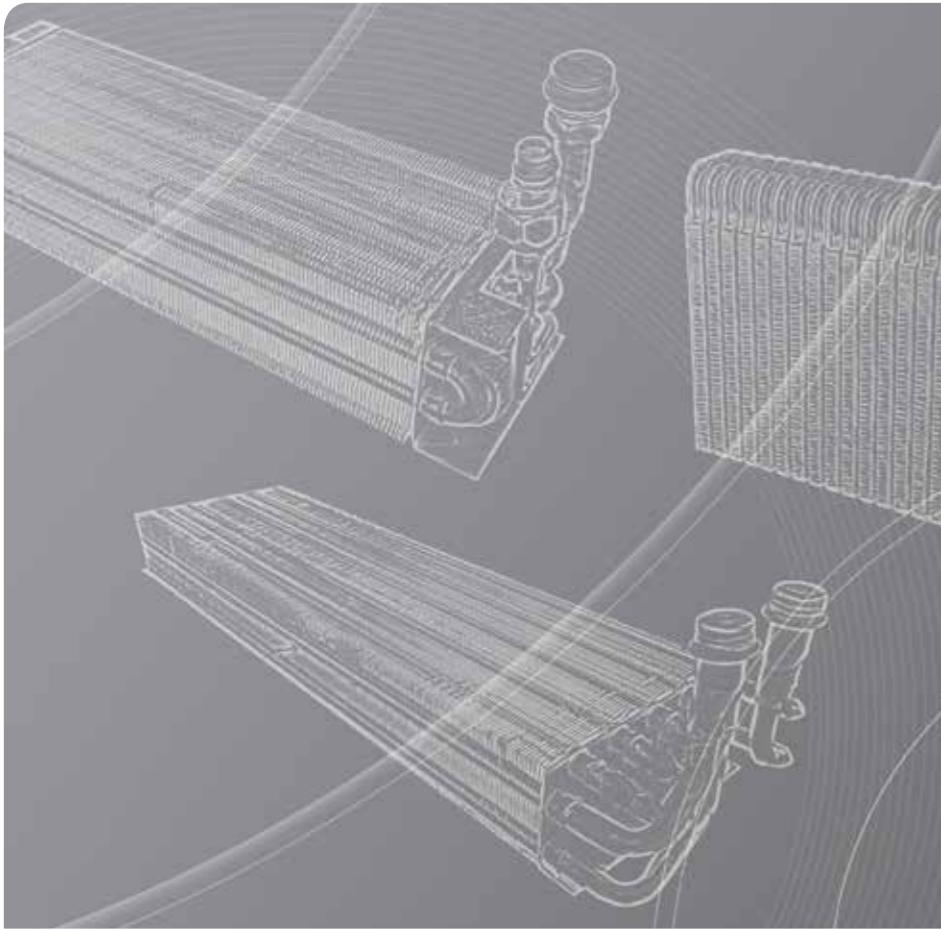
Electroventilated condensers

Model	Performance (kW)	Dimensions L x W x H (mm)	Description	Power consumption (A)	Weight (kg)	Volt (V)	Order number
	5	575 x 480 x 180	T&F, Fin pitch 3.5 mm	13	8	12	62U00025431E
	5	575 x 480 x 180	T&F, Fin pitch 3.5 mm	6	8	24	62U00025433E
	6.5	575 x 480 x 180	T&F, Fin pitch 2.5 mm	13	8	12	62U00025455C
	6.5	575 x 480 x 180	T&F, Fin pitch 2.5 mm	6	8	24	62U00025457C
	2.8	570 x 370 x 150	T&F, Fin pitch 2.5 mm	7	8	12	62U00025322B
	2.8	570 x 370 x 150	T&F, Fin pitch 2.5 mm	3	8	24	62U00025386B
	5.5	570 x 370 x 150	HTC, Fin pitch 2.5 mm	7	8	12	62U00025315B
	5.5	570 x 370 x 150	HTC, Fin pitch 2.5 mm	3	8	24	62U00025327B
	8	815 x 600 x 150	T&F, Fin pitch 3.5 mm	18	12	12	62U00025430E
	8	815 x 600 x 150	T&F, Fin pitch 3.5 mm	9	12	24	62U00025432E
	10.5	815 x 600 x 150	T&F, Fin pitch 2.5 mm	18	12	12	62U00025456C
	10.5	815 x 600 x 150	T&F, Fin pitch 2.5 mm	9	12	24	62U00025458C
	6	830 x 485 x 150	T&F, Fin pitch 2.5 mm	18	12	12	62U00025393B
	6	830 x 485 x 150	T&F, Fin pitch 2.5 mm	9	12	24	62U00025326B
	11.5	830 x 485 x 150	HTC, Fin pitch 2.5 mm	18	12	12	62U00025316B
	11.5	830 x 485 x 150	HTC, Fin pitch 2.5 mm	9	12	24	62U00025317B
	12.5	955 x 600 x 150	HTC, Fin pitch 2.5 mm	27	14	12	62U00025437E
	12.5	955 x 600 x 150	HTC, Fin pitch 2.5 mm	13	14	24	62U00025438D
	5	690 x 157 x 230	T&F, Fin pitch 2.1 mm	13	8	12	62U00025060E
	5	690 x 157 x 230	T&F, Fin pitch 2.1 mm	6	8	24	62U00025439D
	5	690 x 157 x 230	T&F, Fin pitch 2.1 mm	13	9.5	12	62U00025258G
	5	690 x 157 x 230	T&F, Fin pitch 2.1 mm	6	9.5	24	62U00025440E
	5	690 x 157 x 230	T&F, Fin pitch 2.1 mm	13	9.5	12	62U00025441A
	5	690 x 157 x 230	T&F, Fin pitch 2.1 mm	6	9.5	24	62U00025442A

Condensers

Electroventilated condensers

Model	Performance (kW)	Dimensions L x W x H (mm)	Description	Power consumption (A)	Weight (kg)	Volt (V)	Order number
	6.5	480 x 110 x 350	HTC, Fin pitch 2.5 mm	13	3.7	12	62U00025453A
	6.5	480 x 110 x 350	HTC, Fin pitch 2.5 mm	6	3.7	24	62025454A
	5	606 x 110 x 350	HTC, Fin pitch 3.5 mm	18	4.5	12	62U00025427A
	7	606 x 110 x 350	HTC, Fin pitch 2.5 mm	18	4.5	12	62U00025460A
	12	606 x 160 x 350	HTC, Fin pitch 2.5 mm	16	7.5	24	62U00025486A
	12	606 x 160 x 350	HTC, Fin pitch 2.5 mm	32	7.5	12	62U00025472A
	12	725 x 105 x 450	HTC, Fin pitch 3.5 mm	18	6	12	62U00025426B
	14	725 x 105 x 450	HTC, Fin pitch 2.5 mm	18	4.6	12	62U00025459B
	14	725 x 105 x 450	HTC, Fin pitch 2.5 mm	9	4.6	24	62U00025478A



Evaporators, Heat exchangers

Evaporators

The evaporator is the component of an AC system that has the function of extracting heat from air injected into the compartment. It comprises one or more tubes, going to the same inlet and outlet fittings, bent in a way as to form a package of rectangular shape with parallel pipes where the refrigerant circulates.

Heat exchangers

With the same characteristics as the evaporator unit, instead of an evaporator a heat exchanger is installed where the heat of the coolant is used for heating.

Evaporators

Evaporators and heat exchangers

Heat exchangers

Evaporators, Heat exchangers

Evaporators

Plaque evaporators

	Length (mm)	Height (mm)	Thickness (mm/number of rows)	Outlet (mm/inch)	Inlet (mm/inch)	Fin pitch (mm)	Note	Order number
	215	222	90	14.48	11.71	-	-	62052962A
	228	205	72	14.4	11.6	-	-	62052686A
	235	202	60	14.48	11.71	-	-	62052924A
	242.7	204.5	72.6	14.4	11.6	-	Hose connection valve L 54 mm	62052382ORA
	242.7	204.5	72.6	14.48	11.71	-	Hose connection valve L 40 mm	62052391ORA
	255	235	47	-	-	-	-	62052967A
	258	241	47	-	-	-	including valve	62052811A
	268	240	-	14.48	11.71	-	including valve 6258027A	62052799A

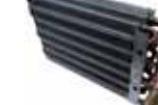
Evaporators, Heat exchangers

Evaporators

Plaque evaporators

	Length (mm)	Height (mm)	Thickness (mm/number of rows)	Outlet (mm/inch)	Inlet (mm/inch)	Fin pitch (mm)	Note	Order number
	295.9	204.4	72.6	14.4	11.6	—	—	62052644A
	298.5	254.9	38	—	—	—	—	62052928A
	310	234	73	16	12	—	—	62052611A

Tube and fin evaporators

	Length (mm)	Height (mm)	Thickness (mm/number of rows)	Outlet (mm/inch)	Inlet (mm/inch)	Fin pitch (mm)	Note	Order number
	208	150	75/6	14.48	11.71	—	—	62052555ORA
	210	150	62/5	14.48	11.71	—	—	62052626ORA
	226	225	62/5	14.48	11.71	—	—	62052632A

Evaporators, Heat exchangers

Evaporators

Tube and fin evaporators

	Length (mm)	Height (mm)	Thickness (mm/number of rows)	Outlet (mm/inch)	Inlet (mm/inch)	Fin pitch (mm)	Note	Order number
	257	200	62/5	14.48	11.71	—	—	62052543ORA
	287	100	75/6	14.48	11.71	—	—	62052511ORB
	293	150	65	14.48	11.71	2.1	—	62052820D
	297	200	65	14.48	11.71	—	—	62052419ORA
	300	100	62.5/5	14.48	11.71	—	—	62052773A
	300	100	75/5	7/8" 14 UNF 2A	3/4" 16 UNF 2B	—	—	62052065ORA
	319	175	75/6	14.48	11.71	—	—	62052341ORA
	323	175	75/6	3/4" 18 uns 2A	3/4" 18 uns 2A	—	—	62052585ORA

Evaporators, Heat exchangers

Evaporators

Tube and fin evaporators

	Length (mm)	Height (mm)	Thickness (mm/number of rows)	Outlet (mm/inch)	Inlet (mm/inch)	Fin pitch (mm)	Note	Order number
	326	125	75/6	14.48	11.71	—	—	62052748A
	330	150	75/6	7/8" 14 UNF 2A	3/4" 16 UNF 2B	—	—	62052476ORA
	330	250	75/6	14.48	11.71	—	—	62052414ORC
	334	100	75/6	7/8" 14 UNF 2A	3/4" 16 UNF 2B	—	—	62052522ORA
	340	125	75	14.48	11.71	—	—	62052905ORA
	343	187	75/6	14.48	11.71	—	—	62052625ORA
	346	125	50/4	14.48	11.71	—	—	62052418ORA
	360	175	75	14.5	14.5	—	—	62052859A

Evaporators, Heat exchangers

Evaporators

Tube and fin evaporators

	Length (mm)	Height (mm)	Thickness (mm/number of rows)	Outlet (mm/inch)	Inlet (mm/inch)	Fin pitch (mm)	Note	Order number
	370	100	75/6	14.48	11.71	—	—	62052509ORA
	377	200	62/5	14.48	11.71	—	—	62052482ORA
	380	125	75	14.48	11.71	—	—	62052506ORA
	380	125	75/6	14.48	11.71	—	—	62052739A
	389	150	75/6	14.48	11.71	—	—	62052510ORA
	400	100	75/6	7/8" 14 UNF 2A	3/4" 16 UNF 2B	—	—	62052251ORA
	405	125	62.5	14.48	11.71	2.1	—	62052704A
	425	125	100	14.48	11.71	2.1	—	62052937B

Evaporators, Heat exchangers

Evaporators

Tube and fin evaporators

	Length (mm)	Height (mm)	Thickness (mm/number of rows)	Outlet (mm/inch)	Inlet (mm/inch)	Fin pitch (mm)	Note	Order number
	440	100	75/6	14.48	11.71	—	—	62052655A
	440	112	87/7	7/8" 14 UNF 2A	3/4" 16 UNF 2B	—	—	62052147ORA
	445	125	75/6	14.48	11.71	—	—	62052468ORA
	450	125	75/6	7/8" 14 UNF 2A	3/4" 16 UNF 2B	—	—	62052120ORA
	467	125	50/4	3/4" 18 UNS 2A	3/4" 18 UNS 2A	—	—	62052544ORA
	500	150	87/7	14.48	11.71	—	—	62052638B
	530	125	62.5	16	12	2.1	—	62052680A
	548	125	75/5	7/8" 14 UNF 2A	3/4" 16 UNF 2B	—	—	62052717A

Evaporators, Heat exchangers

Evaporators

Tube and fin evaporators

	Length (mm)	Height (mm)	Thickness (mm/number of rows)	Outlet (mm/inch)	Inlet (mm/inch)	Fin pitch (mm)	Note	Order number
	640	125	75	14.48	11.71	2.5	—	62052821C
	988	125	87	7/8" 14 UNF 2A	3/4" 16 UNF 2B	2.1	—	62052846B

Evaporators and heat exchangers tube and fin

	Length (mm)	Height (mm)	Thickness (mm/number of rows)	Evaporator outlet (mm/inch)	Evaporator inlet (mm/inch)	Heater outlet (mm)	Heater inlet (mm)	Fin pitch (mm)	Note	Order number
	152	150	100	14.48	11.71	16	16	—	—	62052614C
	181.5	150	87/7	14.48	11.71	12	12	—	—	62052645A
	325	152	100	—	—	—	—	—	—	62052829A
	400	125	100	14.48	11.71	16	16	—	—	62052755B

Evaporators, Heat exchangers

Heat exchangers

Plaque heat exchangers

	Length (mm)	Height (mm)	Thickness (mm/number of rows)	Outlet (mm)	Inlet (mm)	Fin pitch (mm)	Note	Order number
	232	140	42	17	17	1.4	-	62052498A
	340	140	42	17	17	1.4	-	62052520A

Tube and fin heat exchangers

	Length (mm)	Height (mm)	Thickness (mm/number of rows)	Outlet (mm)	Inlet (mm)	Fin pitch (mm)	Note	Order number
	112	150	40/2	16	16	1.8	-	62052789A
	146	150	37/3	16	16	1.6	-	62052553A
	148.5	100	37.5	9.5	9.5	-	-	62052903A
	190	200	43.3	16	16	2.1	-	62052676A

Evaporators, Heat exchangers

Heat exchangers

Tube and fin heat exchangers

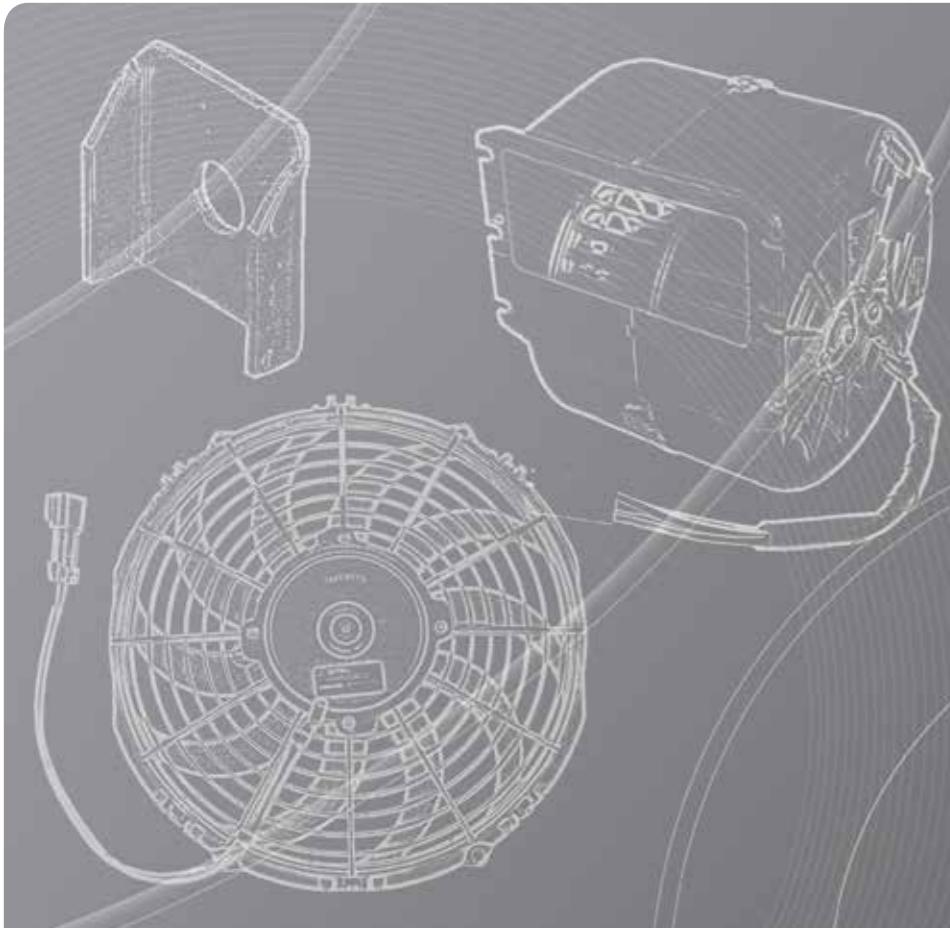
	Length (mm)	Height (mm)	Thickness (mm/number of rows)	Outlet (mm)	Inlet (mm)	Fin pitch (mm)	Note	Order number
	190	200	43.3	16	16	1.6	-	62052784A
	190	200	68/3	-	-	-	-	62052784S1A
	219	100	37/3	16	16	1.6	-	62052499A
	232	140	42	17	17	1.4	-	62052449A
	286	100	25/2	9.5	9.5	1.8	-	62052666A
	297	100	62/4	16	16	2	-	62052217B
	300	150	37.5	17	17	2.1	-	62052814C
	367	125	25/2	9.5	9.5	1.6	-	62052250A

Evaporators, Heat exchangers

Heat exchangers

Tube and fin heat exchangers

	Length (mm)	Height (mm)	Thickness (mm/number of rows)	Outlet (mm)	Inlet (mm)	Fin pitch (mm)	Note	Order number
	370	100	25	16	16	1.8	-	62052484A
	370	100	25/2	9.5	9.5	1.8	-	62052649A
	380	125	25/2	12	12	1.6	-	62052622A
	380	125	25/2	16	16	1.6	-	62052628B
	385	150	37/3	16	16	1.6	-	62052642AA
	505	150	37/3	16	16	1.6	-	62052637B
	750	125	25	16	16	2.5	-	62052894A



Fans, Blowers

Fans

The electric fans improve the air flow through the condenser and the radiator, so that both heat exchangers perform in the best possible way. For transport refrigeration systems ifans are also used for the evaporator.

Blowers

The centrifugal blowers safeguard the contious air flow through the evaporator. Powerful motors guarantee a perfect air distribution.

Axial fans

Centrifugal blowers

Fans, Blowers

Axial fans



	Ø Blades (mm)	Airflow (m³/h)	Power consumption (A)	Voltage (V)	Thickness (mm)	Suction	Blowing	Manufacturer code	Note	Order number
	140	500	2.5	12	98	•	-	VA21-A37/C-45A	-	62080161A
	167	385	2.6	12	52	-	•	VA22-AP8/C-50S	-	62080147S1A
	167	447	4.4	12	52	-	•	VA22-AP7/C-50S	-	62080137S1A
	167	540	6	12	59	•	-	VA22-AP11/C-64A	-	62080184A
	167	599	3.4	24	59	•	-	VA22-BP11/C-64A PKSL	-	62080185A
	190	740	5	12	52	•	-	VA14-AP7/C-34A	-	62080099A
	190	740	5	12	52	-	•	VA14-AP7/C-34S PKSL	-	6208005651A
	225	1,000	6	12	52	•	-	VA07-AP12/C-31A PKSL	-	6208009551A
	225	1,060	7.1	12	52	•	-	VA07-AP12/C-31A	-	62080030S1A
	225	1,060	7.1	12	52	-	•	VA07-AP12/C-31S PKSL	-	62080032S1A
	225	1,060	7.1	12	52	-	•	VA07-AP12/C-31S PKSL	motor turned	62080110S1A
	225	1,060	3.5	24	52	•	-	VA07-BP7/C-31A PKSL	-	62080186A
	225	1,060	3.5	24	52	-	•	VA07-BP7/C-31S PKSL	-	62080188A
	225	1,200	7.4	12	52	•	-	VA07-AP12/C-58A	-	62080149A
	225	1,200	7.4	12	52	-	•	VA07-AP12/C-58S PKSL	-	62080165S1A
	255	1,100	6.4	12	52	-	•	VA11-AP8/C-29S	-	6208003851A
	255	1,250	8.7	12	52	•	-	VA11-AP8/C-29A PKSL	-	62080066S1A
	255	1,250	8.7	12	52	-	•	VA11-AP7/C-29S PKSL	-	62080105S1A
	255	1,300	4.7	24	52	•	-	VA11-BP7/C-29A	-	62080159A
	255	1,300	4.7	24	52	-	•	VA11-BP7/C-29S	-	62080153A
	255	1,200	5.6	12	28	•	-	VA11-AP8/C-57S	-	62080197A
	255	1,350	8	12	52	•	-	VA11-AP7/C-57A	-	62080157A
	255	1,350	8	12	52	-	•	VA11-AP7/C-57S PKSL	-	62080131S1A
	255	1,450	4	24	52	-	•	VA11-BP12/C-57S PK	-	62080174A

Fans, Blowers

Axial fans



	Ø Blades (mm)	Airflow (m³/h)	Power consumption (A)	Voltage (V)	Thickness (mm)	Suction	Blowing	Manufacturer code	Note	Order number
	280	1,350	6.8	12	52	–	•	VA09-AP8/C-27S	–	62080027S1A
	280	1,370	6.8	12	52	•	–	VA09-AP8/C-27A PKSL	–	62080028S1A
	280	1,400	3.6	24	52	–	•	VA09-BP8/C-27S PKSL	–	62080085S1A
	280	1,420	8.7	12	52	–	•	VA09-AP12/C-27S PKSL	–	62080113S1A
	280	1,600	4	24	63	•	–	VA09-BP50/C-27A PKSL	with drain holes	62080189A
	280	1,630	8.3	12	63	•	–	VA09-AP50/C-27A	–	62080051S1A
	280	1,630	8.3	12	63	•	–	VA09-AP50/C-27A PKSL	with drain holes	62080051S2A
	280	1,630	8.3	12	63	–	•	VA09-AP50/C-27S PKSL	with drain holes	62080052S1A
	280	1,500	6.9	12	52	–	•	VA09-AP8/C-54S	–	62080108A
	280	1,630	9	12	52	•	–	VA09-AP12/C-54A PKSL	with drain holes	62080180A
	280	1,630	9	12	52	–	•	VA09-AP12/C-54S PKSL	–	62080179A
	280	1,630	9.1	12	52	•	–	VA09-AP12/C-54A	–	62080133S1A
	280	1,650	4.6	24	52	•	–	VA09-BP12/C-54A PKSL	with drain holes	62080181A
	280	1,650	4.6	24	52	•	–	VA09-BP12/C-54A PKSL	–	62080134S1A
	280	1,650	4.6	24	52	–	•	VA09-BP12/C-54S PK	–	62080183A
	280	2,111	11.2	12	95	–	•	VA03-AP70/LL-44S PKSL	–	62080101S1B
	280	2,310	14	12	95	•	–	VA03-AP70/LL-37A	–	62080081S1B
	280	2,310	6.2	24	57	•	–	VA03-BP70/LL/I-37S	with flange	62080194A
	280	2,310	6.2	24	57	•	–	VA03-BP70/LL-37A	–	62080206A
	280	2,510	8.7	24	95	–	•	VA03-BP70/LL-37S	–	62080150B
	305	1,460	7	12	52	•	–	VA10-AP9/C-25A PKSL	–	62080125S1A
	305	1,460	7	12	52	–	•	VA10-AP9/C-25S	–	62080044S1A
	305	1,460	7	24	52	•	–	VA10-BP9/C-25A PKSL	–	62080146S1A
	305	2,080	11.8	12	63	–	•	VA10-AP50/C-25S	–	62080048S1A
	305	2,080	11.8	12	63	–	•	VA10-AP50/C-25S PKF	incl. protection function	62080172A
	305	1,750	6.9	12	52	–	•	VA10-AP10/C-61S	–	62080135S1A
	305	1,750	7	12	52	•	–	VA10-AP10/C-61A PKSL	–	62080176A
	305	1,800	3.5	24	52	•	–	VA10-BP10/C-61A PKSL	–	62080177A
	305	1,800	3.5	24	52	–	•	VA10-BP10/C-61S PKSL	–	62080138S1A
	305	2,270	12.4	12	63	•	–	VA10-AP50/C-61A PKSL	with drain holes	62080170A
	305	2,270	12.4	12	63	–	•	VA10-AP50/C-61S PKSL	–	62080169A
	305	2,320	6	24	63	•	–	VA10-BP50/C-61A PKSL	with drain holes	62080182A
	305	2,400	7	24	88	–	•	VA10-BP50/C-61S PK	–	62080175A
	305	2,990	9.4	24	95	•	–	VA01-BP70/LL-36A	–	62080192AA
	305	2,990	9.4	24	95	–	•	VA01-BP70/LL-36S	–	62080193AA

Fans, Blowers

Axial fans



	Ø Blades (mm)	Airflow (m³/h)	Power consumption (A)	Voltage (V)	Thickness (mm)	Suction	Blowing	Manufacturer code	Note	Order number
	305	3,095	20.7	12	154	•	–	VA52-55A	with flange	62080106A
	350	1,760	7	12	52	•	–	VA08-AP10/C-23A	–	62080120S1A
	350	2,640	7.1	24	88	•	–	VA08-BP70/LL-23A	–	62080094B
	350	3,030	19.6	12	88	•	–	VA08-AP71/LL-53A PKSL	–	62080148B
	350	3,120	21.1	12	88	–	•	VA08-AP71/LL-53S	–	62080154B
	350	3,158	9.7	24	88	–	•	VA08-BP71/LL-53S	–	62080178A
	385	3,390	10.2	24	28	–	•	VA18-BP71/LL-42S	–	62080195A
	385	3,430	19.5	12	28	–	•	VA18-AP71/LL-42S PK	–	62080196A
	385	3,430	19.5	12	88	•	–	VA18-AP70/LL/F-59A PK	saber	62080156A
	385	3,430	19.5	12	88	•	–	VA18-AP71/LL-59A	–	62080141S1B
	385	4,000	21.6	12	88	•	–	VA18-AP70/LL-86A	–	62080084S1B

Fans, Blowers

Axial fans and brackets

Fans for Frigo Top from Comex

	Ø Blades (mm)	Airflow (m³/h)	Power consumption (A)	Voltage (V)	Thickness (mm)	Suction	Blowing	Manufacturer code	Order number
	255	1,590	8	12	55	-	•	F31P-12E8002-EFP-13B WPC	629080210A
	255	1,590	4.2	24	55	-	•	F31P-24EL8002-EFP-13B WPC	629080211A
	255	1,660	8.4	12	55	•	-	F50P-12E8002-EFP-13S 2H WPC	629080214A
	255	1,650	4.3	24	55	•	-	F50P-24EL8002-EFP-13S 2H WPC	629080215A
	280	1,620	7.9	12	53	•	-	F49P-12E8004-EFP-02S 2H WPC	629080212A
	280	1,820	4	24	53	•	-	F49P-24EL8004-EFP-02S 2H WPC	629080213A

Brackets

									Order number
									62036124SB
									62036152A
									62036292A
									62036443A

Fans, Blowers

Centrifugal blowers



Fans, Blowers

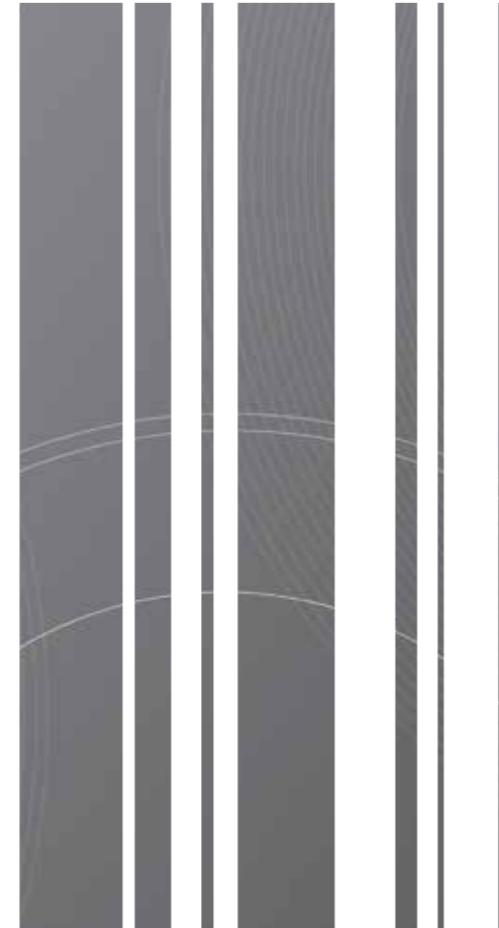
	Airflow (m³/h)	Power consumption (A)	Length (mm)	Width (mm)	Height (mm)	Voltage (V)	Nº Speed	Nº Fans	Protection grill	Manufacturer code	Note	Order number
	490	9.5	134	127	140	24	-	1	no	010-B70-74D	-	6205404751AA
	510	19.9	134	127	140	12	-	1	no	010-A70-74D	-	62054022S1A
	510	19.9	134	127	140	12	3	1	no	010-A70-74D	-	620540851A
	530	11.1	134	127	140	24	3	1	yes	010-B70-74D	-	62054086AB
	500	25	152	-	-	12	-	1	no	A47-48S	-	62054069A
	530	19	140	100	145	12	3	1	yes	009-A70-74D	-	62054129A
	580	11.7	140	100	145	24	-	1	no	009-B70-74D	GR RPA3VCB	62054143A
	600	13.5	317	125	112	12	3	2	yes	005-A46-02	-	62054110A
	620	6	317	125	112	24	-	2	no	005-B46-02	-	62054010A
	620	6	317	125	112	24	3	2	no	005-B46-02	-	62054092A
	650	13.7	317	125	112	12	-	2	no	005-A46-02	-	62054001A
	750	10	317	125	112	24	-	2	no	005-B45-02	-	62054050A
	785	19.3	317	125	112	12	-	2	no	005-A45-02	RPA3VCB	62054159A
	750	11.5	130	120	220	24	3	1	no	004-B42-28D	-	62054164A
	750	11.5	130	120	232	24	3	1	no	004-B41-28S	-	62054165A
	750	17.5	120	77	113.5	12	3	1	yes	008-A45-02D	GR RPA3VCB 30003111	62054167A
	750	9	310	128	113	24	-	2	yes	008-B45-02	-	62054057A
	750	9	310	128	113	24	3	2	yes	008-B45-02	-	62054107A
	750	17.5	310	128	113	12	-	2	yes	008-A45-02	-	62054058AA
	750	17.5	310	128	113	12	3	2	yes	008-A45-02	-	62054103A
	853	11.1	320	128	113	24	3	2	yes	008-B54-02	-	62054163A
	920	29.7	320	128	113	12	3	2	no	008-A54-02	-	62054179A
	770	17.5	175	120	175	12	3	1	yes	007-A42-32D	-	62054117A
	810	9.5	175	120	175	24	-	1	yes	007-B42-32D	-	62054105A
	810	9.5	175	120	172	24	3	1	yes	007-B42-32D	-	62054118A

Fans, Blowers

Centrifugal blowers



	Airflow (m³/h)	Power consumption (A)	Length (mm)	Width (mm)	Height (mm)	Voltage (V)	Nº Speed	Nº Fans	Protection grill	Manufacturer code	Note	Order number
	800	15.5	351	168	140	12	3	2	yes	006-A46-22	H320+RPA3V	62054094S1A
	800	15.5	351	168	140	12	3	2	yes	006-A46-22	—	62054097B
	800	14	320	168	140	12	—	2	yes	011-A46-22	—	62054121S1A
	900	21.7	320	168	140	12	3	2	no	011-A40-22	—	62054140A
	930	34.9	320	168	140	12	3	2	no	011-A54/2C/I-22	RA3VCVSX	62054158A
	930	34.9	320	168	140	12	3	2	yes	011-A45-22	REA3V	62054180A
	960	11.5	320	168	140	24	—	2	no	011-B40-22	—	62054088S1A
	960	11.5	320	168	140	24	3	2	no	011-B40-22	—	62054109AS1B
	1,020	26	320	168	140	12	—	2	no	011-A40-22	—	62054056S1A
	840	34	351	168	140	12	—	2	no	006-A54-22	—	62054070A
	850	8	351	168	140	24	—	2	yes	006-B46-22	—	62054015A
	850	8	351	168	140	24	3	2	yes	006-B46-22	—	62054106A
	850	8	351	168	140	24	3	2	yes	006-B46-22	GR-RPA3VCV	62054106S1AA
	850	17	351	168	140	12	—	2	yes	006-A46-22	GR-RPA3VCV	62054014A
	900	21	351	168	140	12	—	2	no	006-A22-22	—	62054021A
	910	26.4	175	197	174	12	3	1	no	007-A54-32D	—	62054189A
	970	14.6	175	197	174	24	3	1	yes	007-B56-32D	—	62054166A
	1,020	23	335	164	145	12	—	2	yes	009-A40-22	RPA3VCV+GR	62054160AA
	1,020	26	351	168	140	12	—	2	no	006-A40-22	—	62054019A
	1,020	26	351	168	140	12	—	2	yes	006-A40-22	—	62054078A
	1,020	26	351	168	140	12	3	2	no	006-A40-22	—	62054095A
	1,050	13.5	351	168	140	24	—	2	no	006-B40-22	—	62054090A
	1,050	13.5	351	168	140	24	3	2	no	006-B40-22	RPA3VCB	62054065A
	1,050	13.5	351	168	140	24	3	2	no	006-B40-22	RA3VCV	62054125A
	1,130	34.5	351	168	140	12	—	2	no	006-A39-22	—	62054100A
	1,160	16.5	351	168	140	24	—	2	no	006-B50-22	—	62054119A
	1,160	17	351	168	140	24	3	2	no	006-B39-22	—	62054114A
	1,160	30.5	351	168	140	12	3	2	no	017-A39-22	RPA 3VCB	62054113B



Modulair 1



Modulair 2



Universal air duct for rooftop and under roof AC units

The components are modular and can be combined in many different versions according to the applications and to the vehicle length.

Modulair 1: central air duct for mini buses to contain the evaporator unit.

Modulair 2: central air duct for a rooftop AC unit with central diffuser and front/end extension.

Air ducts, Louvers

Air ducts

Air ducts are the perfect connection between the AC unit and the louvers. Various air duct variants are available to fit into the specific application. Some models are already equipped with control elements or louvers. The modular system Modulair 1, 2 and 3 can be combined in many different variants.

Louvers

The louvers or air outlets are final elements in the air ducting system in the compartment. They are used to deflect and adjust the intensity of the air flow.

Air ducts

Louvers

Modulair 3



Universal air duct for rooftop and under roof AC units

The components are modular as well and can be combined according to the mini and midi bus length, above the example of the lateral air duct for the Panama, Madrid and Santana AC unit.

The pictures above are exemplary for the various possibilities.

Air ducts, Louvers

Air ducts

	Suitable for model	Dimensions L x W x H (mm)	Color	Description	Order number
	Sydney	265 x 48 x 113	black	Ø 45 mm	62U003AA079A
	Sydney	265 x 48 x 113	black	Ø 60 mm	62U003AA081A
	Sydney	265 x 38 x 113	black	—	62U003AA126A
	Sydney	265 x 23 x 113	black	—	62U003AA077A
	Sydney	265 x 116 x 113	black	Ø 100 mm	62U003AA135A
	Oakland, Phoenix, Baltimore	345 x 68 x 90	black	Ø 60 mm	62U003AA065A
	Oakland, Phoenix	345 x 68 x 90	grey	Ø 60 mm	62U003AA066A
	Oakland, Phoenix, Baltimore	345 x 72 x 90	black	Ø 60 mm	62U003AA102A
	Oakland, Phoenix, Baltimore	345 x 48 x 90	black	Ø 55 mm	62U003AA016A
	Oakland, Phoenix, Baltimore	345 x 38 x 90	black	—	62U003AA017A
	Oakland	345 x 38 x 90	grey	—	62U003AA068A

Air ducts, Louvers

Air ducts

	Suitable for model	Dimensions L x W x H (mm)	Color	Description	Order number
	Oakland	345 x 22 x 90	black	—	62U003AA018A
	Oakland, Phoenix, Baltimore	345 x 22 x 90	grey	—	62U003AA069A
	Oakland, Phoenix, Baltimore	345 x 40 x 90	black	—	62U003AA128B
	Oakland	345 x 40 x 90	grey	—	62U003AA129B
	Oakland	345 x 78 x 90	black	Ø 60 mm	62U003AA070A
	Oakland	345 x 60 x 90	black	Ø 45 mm	62U003AA146A
	Oakland, Phoenix, Baltimore	435 x 130 x 90	black	Ø 90 mm	62U003AA170A
	Oslo, Glasgow, Vancouver, London, Cyprus	395 x 58 x 105	black	Ø 60 mm	62U003AA151A
	Oslo, Glasgow, Vancouver, London, Cyprus	395 x 58 x 105	grey	Ø 60 mm	62U003AA152A
	Oslo, Glasgow, Vancouver, London, Cyprus	395 x 58 x 105	black	Ø 60 mm	62U003AA019A
	Oslo, Glasgow, Vancouver, London, Cyprus	395 x 58 x 105	grey	Ø 60 mm	62U003AA049A
	Oslo, Glasgow, Vancouver, London, Cyprus	395 x 58 x 105	black	—	62U003AA050B
	Oslo, Glasgow, Vancouver, London, Cyprus	395 x 39 x 105	black	—	62U003AA045A
	Oslo, Glasgow, Vancouver, London, Cyprus	395 x 39 x 105	grey	—	62U003AA048A
	Oslo, Glasgow, Vancouver, London, Cyprus	395 x 39 x 105	white	—	62U003AA169A

Air ducts, Louvers

Air ducts

	Suitable for model	Dimensions L x W x H (mm)	Color	Description	Order number
	Oslo, Glasgow, Vancouver, London, Cyprus	395 x 22 x 105	black	–	62U003AA021A
	Oslo, Glasgow, Vancouver, London, Cyprus	395 x 22 x 105	grey	–	62U003AA051A
	Oslo, Glasgow, Vancouver, London, Cyprus	656 x 119 x 105	black	Ø 60 mm	62U003AA046A
	Oslo, Glasgow, Vancouver, London, Cyprus	720 x 108 x 128	black	Ø 60 mm	62U003AA123A
	Oslo, Glasgow, Vancouver, London, Cyprus	720 x 108 x 128	grey	Ø 60 mm	62U003AA114A
	Oslo, Glasgow, Vancouver, London, Cyprus	450 x 105 x 105	black	Ø 75 mm	62U003AA165A
	Oslo, Glasgow, Vancouver, London, Cyprus	450 x 105 x 105	black	4 Ø 50 mm 2 Ø 60 mm	62U003AA166A
	Moscow, Kiev, Newport, Monterrey	850 x 58 x 85	grey	Ø 60 mm	62U003AA027A
	Moscow, Kiev, Newport, Monterrey	850 x 27 x 85	grey	–	62U003AA025A
	Moscow, Kiev, Newport, Monterrey	850 x 27 x 85	grey	–	62U003AA026A
	Moscow, Kiev, Newport, Monterrey	886 x 69 x 121	grey	Ø 60 mm	62U003AA030A
	Moscow, Kiev, Newport, Monterrey	886 x 38 x 121	grey	–	62U003AA028A

Air ducts, Louvers

Air ducts

	Suitable for model	Dimensions L x W x H (mm)	Color	Description	Order number
	Moscow, Kiev, Newport, Monterrey	886 x 38 x 121	black	–	62U003AA031A
	Moscow, Kiev, Newport, Monterrey	886 x 38 x 121	grey	–	62U003AA029A
	Moscow, Kiev, Newport, Monterrey	1035 x 95 x 85	grey	Ø 60 mm	62U003AA038A
	Moscow, Kiev, Newport, Monterrey	1,080 x 147 x 140	black	Ø 120 mm	62U003AA162A
	Quebec, Montreal	370 x 85 x 145	grey	–	62U003AA054A
	Quebec, Montreal	370 x 85 x 145	black	–	62U003AA022A
	Quebec, Montreal	370 x 54 x 145	grey	–	62U003AA055A
	Quebec, Montreal	370 x 54 x 145	black	–	62U003AA023A
	Quebec, Montreal	370 x 68 x 145	black	–	62U003AA024A
	Quebec, Montreal	370 x 68 x 145	grey	–	62U003AA056A
	Quebec, Montreal	370 x 90 x 145	grey	Ø 50 mm	62U003AA124A
	Quebec, Montreal	370 x 90 x 145	grey	Ø 60 mm	62U003AA125A
	Marbella	370 x 105 x 145	black	Ø 60 mm	62U003AA142B
	Ibiza	–	black	–	62U003AA134B

Air ducts, Louvers

Air ducts

	Suitable for model	Dimensions L x W x H (mm)	Color	Description	Order number
	Oslo, Glasgow, Vancouver, London, Cyprus, Tarifa, Rimini, Turin	497 x 247 x 50	black	Modulair 1	62U003AA061A
	Oslo, Glasgow, Vancouver, London, Cyprus, Tarifa, Rimini, Turin	497 x 247 x 50	grey	Modulair 1	62U003AA062A
	Oslo, Glasgow, Vancouver, London, Cyprus, Tarifa, Rimini, Turin	497 x 500 x 50	black	Modulair 1	62U003AA059A
	Oslo, Glasgow, Vancouver, London, Cyprus, Tarifa, Rimini, Turin	497 x 500 x 50	grey	Modulair 1	62U003AA060A
	Oslo, Glasgow, Vancouver, London, Cyprus, Tarifa, Rimini, Turin	497 x 1,000 x 50	black	Modulair 1	62U003AA057A
	Oslo, Glasgow, Vancouver, London, Cyprus, Tarifa, Rimini, Turin	497 x 1,000 x 50	grey	Modulair 1	62U003AA058A
	Oslo, Glasgow, Vancouver, London, Cyprus, Tarifa	730 x 140 x 148	black	Modulair 1	62U003AA119A
	Rimini, Turin	602 x 506 x 85	black	Modulair 1	62U003AA072A
	Rimini, Turin	602 x 506 x 85	grey	Modulair 1	62U003AA073A
	Oslo, Glasgow, Vancouver, London	497 x 100 x 112	black	Modulair 1	62U003AA052A
	Oslo, Glasgow, Vancouver, London	497 x 100 x 112	grey	Modulair 1	62U003AA053A
	Oslo, Glasgow, Vancouver, London	680 x 414 x 170	black	Modulair 1	62U003AA093A
	Oslo, Glasgow, Vancouver, London	680 x 414 x 170	grey	Modulair 1	62U003AA094A
	Moscow, Kiev, Newport, Monterrey, Tarifa, Smirne	610 x 255 x 55	black	Modulair 2	62U003AA104A
	Moscow, Kiev, Newport, Monterrey, Tarifa, Smirne	610 x 255 x 55	grey	Modulair 2	62U003AA105A
	Moscow, Kiev, Newport, Monterrey, Tarifa, Smirne	610 x 500 x 55	black	Modulair 2	62U003AA106A
	Moscow, Kiev, Newport, Monterrey, Tarifa, Smirne	610 x 500 x 55	grey	Modulair 2	62U003AA107A
	Moscow, Kiev, Newport, Monterrey, Tarifa, Smirne	610 x 1,000 x 55	black	Modulair 2	62U003AA108A
	Moscow, Kiev, Newport, Monterrey, Tarifa, Smirne	610 x 1,000 x 55	grey	Modulair 2	62U003AA109A

Air ducts, Louvers

Air ducts

	Suitable for model	Dimensions L x W x H (mm)	Color	Description	Order number
	Moscow, Kiev, Newport, Monterrey, Tarifa	1,075 x 145 x 148	grey	Modulair 2	62U003AA116A
	Moscow, Kiev, Newport, Monterrey	865 x 115 x 88	black	Modulair 2	62U003AA121A
	Moscow, Kiev, Newport, Monterrey	865 x 115 x 88	grey	Modulair 2	62U003AA117A
	Smirne	775 x 550 x 100	black	Modulair 2	62U003AA086A
	Smirne	775 x 550 x 100	grey	Modulair 2	62U003AA087A
	Santana, Madrid, Panama	263 x 85 x 86	grey	Modulair 3	62U003AA159A
	Santana, Madrid, Panama	263 x 1,000 x 86	grey	Modulair 3 Extension	62U003AA161A
	Santana, Madrid, Panama	263 x 1,000 x 86	grey	Modulair 3 End part	62U003AA157A
	Santana, Madrid, Panama	263 x 500 x 86	grey	Modulair 3	62U003AA158A
	Santana, Madrid, Panama	263 x 22 x 86	grey	Modulair 3	62U003AA160A
	Tarifa	330 x 330 x 120	black	with air distribution for Modulair 2	62U003AA122A
	Tarifa	330 x 330 x 120	grey	with air distribution for Modulair 2	62U003AA113A

Air ducts, Louvers

Air ducts

	Suitable for model	Dimensions L x W x H (mm)	Color	Description	Order number
	Minsk, Portofino	429 x 381 x 50	black	–	62U003AA138B
	Minsk, Portofino	429 x 381 x 50	grey	–	62U003AA139B
	Minsk, Portofino	429 x 381 x 50	black	with control 12 V	62U003AA153A
	Minsk, Portofino	429 x 381 x 50	black	with control 24 V	62U003AA154A
	Minsk, Portofino	429 x 381 x 50	grey	with control 12 V	62U003AA155A
	Minsk, Portofino	429 x 381 x 50	grey	with control 24 V	62U003AA156A
	Rimini, Turin	610 x 498 x 60	black	–	62U003AA084A
	Rimini, Turin	610 x 498 x 60	black	with control 12 V	62U003AA083B
	Rimini, Turin	610 x 498 x 60	black	with control 24 V	62U003AA085B
	Rimini, Turin	610 x 498 x 60	grey	with control 12 V	62U003AA095B
	Rimini, Turin	610 x 498 x 60	grey	with control 24 V	62U003AA096B
	Smirne	800 x 530 x 60	black	–	62U003AA089A
	Smirne	800 x 530 x 60	grey	–	62U003AA100A
	Smirne	800 x 530 x 60	black	with control 12 V	62U003AA088A
	Smirne	800 x 530 x 60	black	with control 24 V	62U003AA090A
	Smirne	800 x 530 x 60	grey	with control 12 V	62U003AA098B
	Santana, Madrid, Panama	615 x 495 x 35	black	–	62U003AA140A
	Santana, Madrid, Panama	615 x 495 x 35	grey	–	62U003AA141A
	Paris, Monaco	585 x 73 x 20	black	Ø 45 mm	62U003AA173A
	Paris, Monaco	585 x 73 x 20	black	–	62U003AA172A
	Paris, Monaco	585 x 73 x 20	grey	–	62U003AA175A
	Paris, Monaco	585 x 73 x 20	black	with control 12 V	62U003AA171A
	Paris, Monaco	585 x 73 x 20	grey	with control 24 V	62U003AA174A

Air ducts, Louvers

Louvers

Description	Hose type (mm)	Ø Internal (mm)	Ø External (mm)	Length (mm)	Width (mm)	Thickness (mm)	Fins	Color	Note	Order number
	45° reduction	45	73.5	45	60	–	–	black	for 62063094A - 62063103A	62063101A
	90° reduction	45	73.5	45	78	–	–	black	for 62063094A - 62063103A	62063100A
	Adapter	45	45	82	35.6	–	–	black	for 62063094A - 62063103A	62063095A
	Adapter	50	48	82	35.6	–	–	black	for 62063094A - 62063103A	62063105A
	Adapter	55	53.5	82	35.6	–	–	black	for 62063094A - 62063103A	62063096A
	Adapter	60	58.5	82	35.6	–	–	black	for 62063094A - 62063103A	62063097A
	Reduction	90 - 80	–	–	–	–	–	black	–	89075A
	Reduction	90 - 80	–	–	–	–	–	black	–	1320186A
	Y Connection	80 - 55 - 80	–	–	–	–	–	black	–	1319479A
	Y Connection	80 - 80 - 80	–	–	–	–	–	black	–	1319478A
	Connection	60 - 60	–	–	–	–	–	black	connection for two air hoses	9009258C
	Connection	55	–	–	–	–	–	black	–	1319224A
	Connection	60 - 60	–	–	–	–	–	black	for louvers with 60 mm diameter and thread	RWA8500

Air ducts, Louvers

Air ducts, Louvers

Louvers

	Description	Hose type (mm)	Ø Internal (mm)	Ø External (mm)	Length (mm)	Width (mm)	Thickness (mm)	Fins	Color	Note	Order number
	Lock nut	60	-	-	-	-	-	-	black	for louvers with 60 mm diameter, not suitable to fix with thread	RWA8300
	Lock nut	60	-	-	-	-	-	-	black	for louvers with 60 mm diameter, suitable to fix with thread	90092398
	Grill	-	-	-	400.5	70	17.5	-	black	-	62063014A
	Grill	-	-	-	210.5	25.8	20	-	black	-	62063122A
	Grill	-	-	-	210.5	70	13.6	-	black	-	62063016A
	Grill	-	-	-	85	15	10	-	black	-	62063120A
	Louver	55	-	63.2	-	-	20	adjustable	black	-	62063085B
	Louver	60	-	55	-	-	-	-	black	-	1322405A

Air ducts, Louvers

Louvers

	Description	Hose type (mm)	Ø Internal (mm)	Ø External (mm)	Length (mm)	Width (mm)	Thickness (mm)	Fins	Color	Note	Order number
	Louver	80	-	-	-	-	-	-	black	-	1322710A
	Louver	80	-	-	-	-	-	-	black	-	107984A
	Louver	-	-	71.3	-	-	39.8	adjustable	black	-	62063093A
	Louver	-	-	85.6	-	-	30	adjustable	black	-	62063046D
	Louver	-	-	-	170	35	28.3	-	black	-	62063099A
	Louver	-	-	-	200	39.8	29.5	-	black	-	62063098A
	Louver	-	67	74	-	-	25	adjustable	black	-	62063090A
	Louver	-	-	-	90	46	25	adjustable	black	-	62063008A

Air ducts, Louvers

Louvers

	Description	Hose type (mm)	Ø Internal (mm)	Ø External (mm)	Length (mm)	Width (mm)	Thickness (mm)	Fins	Color	Note	Order number
	Louver	-	97	106	-	-	17	fix to 45°	black	spring is reference 62069287A	62063062A
	Louver	90	-	-	-	-	-	-	black	-	91569C
	Louver	70	68	-	-	-	52	adjustable	black	-	62063072A
	Louver	-	76	82	-	-	32	adjustable	black	-	62063103A
	Louver	-	76	101	-	-	34.6	adjustable	black	-	62063094A
	Louver	-	-	107.5	-	-	23.4	adjustable	black	-	62063123A
	Louver	-	-	-	134.5	46	24.3	adjustable	black	-	62063049A
	Louver	-	-	-	143.5	51	32	adjustable	black	-	62063121A

Air ducts, Louvers

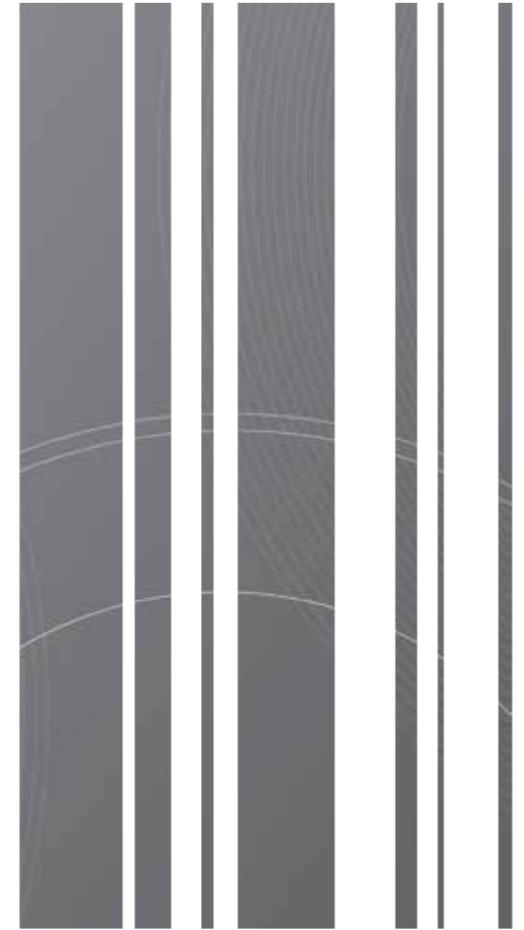
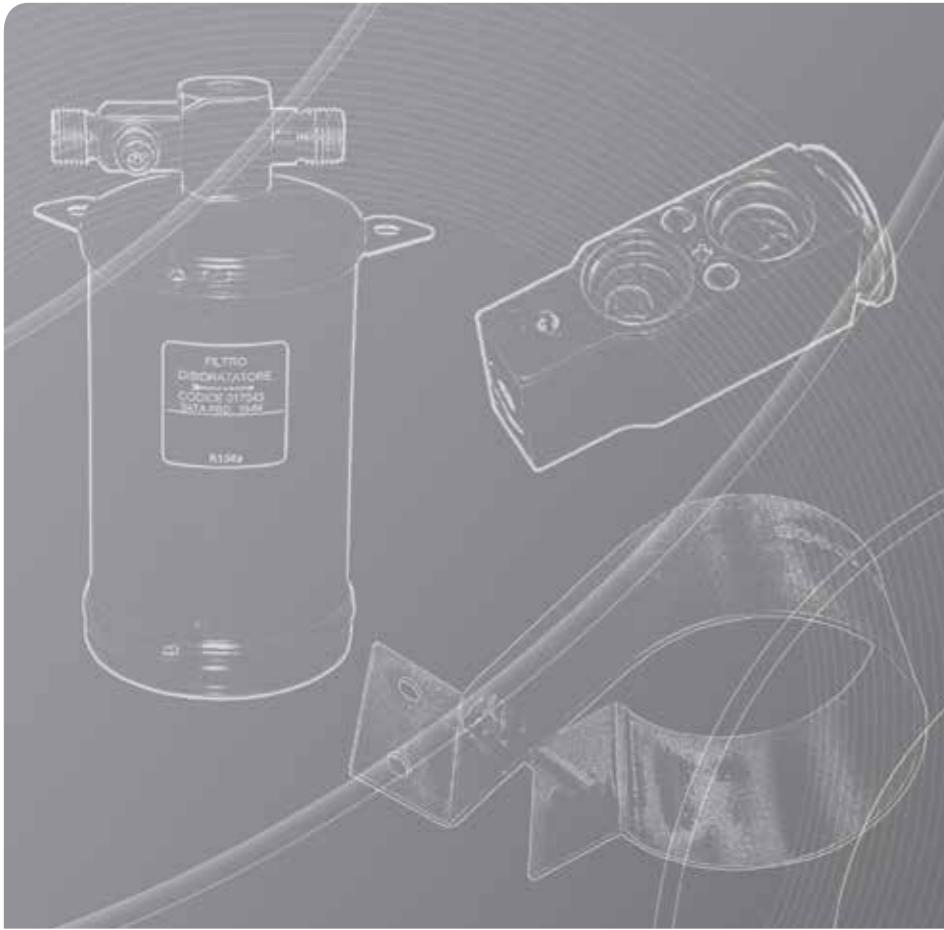
Louvers

	Description	Hose type (mm)	Ø Internal (mm)	Ø External (mm)	Length (mm)	Width (mm)	Thickness (mm)	Fins	Color	Note	Order number
	Louver	-	-	-	92	51	32	adjustable	black	-	62063064A
	Louver	-	-	-	87	50	25	adjustable	grey	-	62063115A
	Louver	60	-	-	145.6	63	58.5	adjustable	black	-	62063012A
	Louver	-	-	-	91.9	51.5	32	adjustable	grey	-	62063089A
	Louver with thread	90	-	-	-	-	-	fix to 45°	grey	-	9012290A
	Louver with thread	60	-	-	-	-	-	fix to 90°	grey	-	RWA8200
	Louver with thread	60	-	-	-	-	-	fix to 90°	white	-	RWA8210
	Louver with thread	60	-	-	-	-	-	fix to 90°	black	-	RWA8220
	Louver with thread	60	-	-	-	-	-	fix to 45°	brown	-	RWA9015000A
	Louver with thread	60	-	-	-	-	-	fix to 45°	grey	-	RWA8100

Air ducts, Louvers

Louvers

	Description	Hose type (mm)	Ø Internal (mm)	Ø External (mm)	Length (mm)	Width (mm)	Thickness (mm)	Fins	Color	Note	Order number
	Louver with thread	60	-	-	-	-	-	fix to 45°	white	-	RWA8110
	Louver with thread	60	-	-	-	-	-	fix to 45°	black	-	RWA8120
	Louver with thread	60	-	-	-	-	-	adjustable	brown	-	RWA9014998A
	Louver with thread	60	-	-	-	-	-	adjustable	grey	-	RWA8000
	Louver with thread	60	-	-	-	-	-	adjustable	white	-	RWA8010
	Louver with thread	60	-	-	-	-	-	adjustable	black	-	RWA8020
	Protection	-	-	-	-	-	-	-	black	-	1320102A
	Protection	-	11.4	-	-	-	9.5	-	black	-	62063063A
	Wall connection	60	-	-	-	-	-	-	black	-	RMA3919
	Wall connection	70	-	-	-	-	-	-	black	-	RMA1852



Receiver dryers, Expansion valves

Receiver dryers

	Volume (cm³)	Length (mm)	Ø (mm)	Refrigerant fittings inlet (mm/inch)	Refrigerant fittings outlet (mm/inch)	Pressure switch connection	Refrigerant	O-Ring	Order number
	276	125	53	5/8" 18 UNF 2A		-	R404A	-	62017061A
	316	138	54	5/8" 18 UNF conical		-	R404A	-	62017060B
	404	306	41	11		-	R134a	-	62017072A
	460	110	73	-		-	R404A	-	62017071A
	523	185	60	10.1	10.1	-	R134a	-	62017057A
	669	208	64	5/8" 18 UNF 2B	5/8" 18 UNF 2A	7/16" 20 UNF 2A	R134a	62069505A	62017063A
	669	208	64	5/8" 18 UNF 2A	5/8" 18 UNF 2A	7/16" 20 UNF	R134a	62069505A	62017069A
	685	213	64	5/8" 18 UNF 2A	5/8" 18 UNF 2A	7/16" 20 UNF 2A	R134a	62069505A	62017068A
	707	220	64	5/8" 18 UNF 2A	5/8" 18 UNF 2B	7/16" 20 UNF 2A	R134a	62069505A	62017064A

Receiver dryers,
Expansion valves

Receiver dryers, Expansion valves

Receiver dryers

The filter functionalities are essential for protecting the system. They include:

Filtering: the detection of any solid particles drawn into circulation through the refrigerant and the oil, having a diameter equal or exceeding 15 microns.

Dehumidification: the absorption of any humidity in the refrigerant and in the oil at moment of charging or subsequently penetrating in the system through the hose walls or the joint seals.

Expansion valves

The expansion valve of an AC system serve as a throttle, thereby enabling the pressure increase through the compressor.

The main task is the continuous adjustment of the refrigerant flowing to the evaporator, so that, in the various conditions of thermal load, it can evaporate completely during its traversing, reach a minimal superheating point, yet sufficient to guarantee its arriving in the compressor in vapor state.

Receiver dryers

Receiver dryer brackets

Expansion valves

Receiver dryers, Expansion valves

Receiver dryers

	Volume (cm ³)	Length (mm)	\varnothing (mm)	Refrigerant fittings inlet (mm/inch)	Refrigerant fittings outlet (mm/inch)	Pressure switch connection	Refrigerant	O-Ring	Order number
	771	170	76	5/8" 18 UNF 2A	5/8" 18 UNF 2B	-	R134a	62069505A	62017075A
	784	173	76	5/8" 18 UNF 2A	5/8" 18 UNF 2A	7/16" 20 UNF 2A	R134a	62069505A	62017043A
	784	173	76	5/8" 18 UNF 2A	5/8" 18 UNF 2A	7/16" 20 UNF 2A	R134a	62069505A	62017067A
	784	173	76	5/8" 18 UNF 2A	5/8" 18 UNF 2A	7/16" 20 UNF	R134a	62069505A	62017076A
	1,043	230	76	5/8" 18 UNF 2A	5/8" 18 UNF 2A	7/16" 20 UNF 2A	R134a	62069505A	62017066A
	1,043	230	76	5/8" 18 UNF 2B	5/8" 18 UNF 2A	7/16" 20 UNF 2A	R134a	62069505A	62017077A
	1,088	240	76	5/8" 18 UNF 2B	5/8" 18 UNF 2A	7/16" 20 UNF	R134a	-	62017070A
	1,206	266	76	5/8" 18 UNF 2A	5/8" 18 UNF 2B	7/16" 20 UNF	R134a	62069505A	62017065A

Receiver dryers, Expansion valves

Receiver dryer brackets

	\varnothing (mm)	Order number		\varnothing (mm)	Order number
	54	620361806A		64	620361346B
	60	62036017A		64	620361509A
	60	620361578A		64	620361764A
	60	620361601A		64	620361822B
	62	620361487A		64	620361833A
	62	62036424A		64	620361846B
	62	62036424B		64	620361859A
	64	620361166A		64	620361861A

Receiver dryers,
Expansion valves

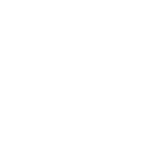
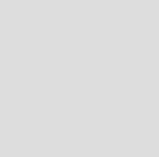
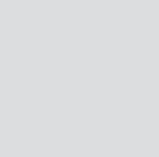
Receiver dryers, Expansion valves

Receiver dryer brackets

	\varnothing (mm)	Order number
	64	620361863A
	65	62036018B
	65	62036021AA
	65	62036040C
	65	620361690A
	65	620361754A
	65	62036745B
	66	620361829A

Receiver dryers, Expansion valves

Receiver dryer brackets

	\varnothing (mm)	Order number
	70	620361502A
	70	620361759A
	72	620361831A
	74	620361444A
	74	620361799A
	74	620361850A
	75	620361131A
	75	620361229A
	75	620361585A
	76	62036025D
	76	620361251A
	76	620361828A
	79	620361892A

Receiver dryers, Expansion valves

Expansion valves

Block expansion valves

	Type	Capacity (Ton)	Compressor inlet (mm/inch)	Compressor O-Ring	Receiver dryer- outlet (mm/inch)	Receiver dryer- O-Ring	Compressor- evaporator inlet (mm/inch)	Receiver dryer - evaporator outlet (mm/inch)	Receiver dryer - evaporator O-Ring	Refrigerant	Order number	
	TCDF	1.5	17.7	62069508A	8.6	62069505A	14.6	62069507A	11.8	62069506A	R134a	62058024A
	TGKE	1.5	18.3	62069508A	10.2	-	18.3	62069508A	18.3	62069508A	R134a	620585008A
	TCDF	2	17.7	62069508A	8.6	62069505A	14.6	62069507A	11.8	62069506A	R134a	62058013A
	TCD	2	7/8"	-	5/8"	-	3/4"	-	3/4"	-	R134a	62058016A
	TCDFM	2	17.7	62069508A	8.6	62069505A	14.6	62069507A	11.8	62069506A	R134a	62058017A
	TXV	2	17.7	62069508A	8.6	62069505A	14.6	62069507A	11.8	62069506A	R134a	62058018B
	TCDM	2	7/8"	-	5/8"	-	3/4"	-	3/4"	-	R134a	62058019A
	TGKE	2	17.7	62069508A	8.6	62069505A	14.6	62069507A	11.8	62069506A	R134a	62058027A

Receiver dryers, Expansion valves

Expansion valves

Block expansion valves

	Type	Capacity (Ton)	Compressor inlet (mm/inch)	Compressor O-Ring	Receiver dryer- outlet (mm/inch)	Receiver dryer- O-Ring	Compressor- evaporator inlet (mm/inch)	Receiver dryer - evaporator outlet (mm/inch)	Receiver dryer - evaporator O-Ring	Refrigerant	Order number	
	TGKE	2	17.7	62069508A	8.6	62069505A	14.6	62069507A	11.8	62069506A	R134a	62058028B
	EBH	2	17.7	62069508A	8.6	62069505A	14.6	62069507A	11.8	62069506A	R134a	62058041A
	TXV	2	17.7	62069508A	8.6	62069505A	14.6	62069507A	11.8	62069506A	R134a	62058051A
	TCDF	2.5	14.65	62069507A	8.6	62069505A	14.67	62069507A	11.85	62069506A	R134a	620585011A

Receiver dryers,
Expansion valves

Receiver dryers, Expansion valves

Expansion valves

Angle expansion valves

	Type	Capacity (Tons)	From condenser inlet (inch)	To evaporator outlet (inch)	Refrigerant	Note	Order number
	-	1.5	3/4" 16 UNF	5/8" 18 UNF	R134a	-	62058022A
	-	2	3/4" 16 UNF	5/8" 18 UNF	R134a	-	62058020A
	-	-	3/4" 16 UNF	5/8" 18 UNF	R134a	Nozzle to be added according capacity	62058034A
	TES2	-	3/4" 16 UNF	5/8" 18 UNF	R134a	Nozzle to be added according capacity	62058035A
	TES2	-	3/4" 16 UNF	5/8" 18 UNF	R134a	Nozzle to be added according capacity	62058038A
	-	-	1/4"	1/4"	-	-	62058030S3A

Receiver dryers, Expansion valves

Expansion valves

Nozzles

	∅ Hole (mm)	Capacity with refrigerant R134a (Tons)	Capacity with refrigerant R404A (Tons)	Order number
	01	0.5	0.45	62058033S3A
	02	0.8	0.6	62058039A
	03	1.3	1.2	62058033S1A
	04	1.9	1.7	62058034S1A
	05	2.5	2.2	62058033S2A
	06	3	2.6	62058040A

Flanges

	Description	Order number
	Expansion valve flange	62043060B
	Refrigerant hoses fixing expansion valve kit	62043111B
	Expansion valve flange	6230468A
	Refrigerant hoses fixing expansion valve kit	62043066D
	Expansion valve 62058018A fixing kit	62043143A

Receiver dryers,
Expansion valves



Fittings

Fittings

Fittings are used for the connection of the hoses. For each application the suitable fitting in terms of type, thread, bell and angle can be selected. The wide range also includes fittings with points of charge or service ports at HP (high pressure) or LP (low pressure) side as well as 2- or 3-way connections.

Standard fittings to be used for Manuli Glacier hoses.

Fittings with reduced section to be used for Goodyear Galaxy hoses.

Refrimaster and special fittings to be used for Maflow Artic and Refrimaster hoses.

Ghibli fittings to be used for Ghibli hoses.

Standard fittings

Refrimaster fittings

Ghibli fittings

Fittings with reduced section

Special fittings

Freon feeders

Clips

Fittings

Standard fittings

Fittings 45°

Type	A (mm)	B (mm)	C (mm)	Valve	Valve angle (°)	X (°)	Hose size	Thread	Order number
Female O-Ring	80	12.5	—	—	—	—	5/16"	5/8" 18 UNF 2B	6280106FG026A
Female O-Ring	80	12.5	16	HP	0	—	5/16"	5/8" 18 UNF 2B	6280106FG109A
Female O-Ring	88	13.5	—	—	—	—	13/32"	3/4" 16 UNF 2B	6280108FG076A
Female O-Ring	99	24	—	—	—	—	1/2"	7/8" 14 UNF 2B	6280110FG127A
Female O-Ring	99	24	16	LP	90	—	1/2"	7/8" 14 UNF 2B	6280110FG153A
Male O-Ring	83	21.5	—	—	—	—	5/16"	5/8" 18 UNF 2A	6280106FG031A
Male O-Ring	102.5	30	—	—	—	—	1/2"	7/8" 18 UNS 2A	6280110FG218A
Male flanged	79	14	—	—	—	—	5/16"	—	6280106FG033A
Male flanged	79	14	16	HP	0	—	5/16"	—	6280106FG439A
Male flanged	97	18.5	16	LP	0	—	1/2"	—	6280110FG445A
Male flanged	99	18.5	—	—	—	—	1/2"	—	6280110FG034A
Male flanged	99	24	—	—	—	—	1/2"	—	6280110FG958A
Female Rotalock	85	14	—	—	—	—	13/32"	1" 14 UNS 2B	6280108FG029A
Female Rotalock	85	14	16	HP	0	—	13/32"	1" 14 UNS 2B	6280108FG813A
Female Rotalock	85	14	—	HP	315	72	13/32"	1" 14 UNS 2B	6280108FG125A
Female Rotalock	96	16.5	—	—	—	—	5/8"	1" 14 UNS 2B	6280112FG449A
Female Rotalock	98	22	—	—	—	—	1/2"	1" 14 UNS 2B	6280110FG071A
Female Rotalock	98	22	16	LP	0	—	1/2"	1" 14 UNS 2B	6280110FG134A

Fittings

Standard fittings

Fittings 90°

Type	A (mm)	B (mm)	C (mm)	Valve	Valve angle (°)	Hose size	Thread	Order number
Female O-Ring	66	32	—	—	—	5/16"	5/8" 18 UNF 2B	6280106FG563A
Female O-Ring	66	32	—	—	—	13/32"	3/4" 16 UNF 2B	6280108FG107A
Female O-Ring	70	53	—	—	—	13/32"	3/4" 16 UNF 2B	6280108FG021A
Female O-Ring	72.5	24	—	—	—	5/16"	5/8" 18 UNF 2B	6280106FG001A
Female O-Ring	72.5	24	16	HP	0	5/16"	5/8" 18 UNF 2B	6280106FG337A
Female O-Ring	72.5	24	16	HP	90	5/16"	5/8" 18 UNF 2B	6280106FG177A
Female O-Ring	72.5	24	24	HP	15	5/16"	5/8" 18 UNF 2B	6280106FG044A
Female O-Ring	79	30	—	—	—	13/32"	3/4" 16 UNF 2B	6280108FG004A
Female O-Ring	79	30	16	HP	270	13/32"	3/4" 16 UNF 2B	6280108FG1688
Female O-Ring	79	30	16	HP	270	13/32"	3/4" 16 UNF 2B	6280108FG431A
Female O-Ring	79	30	79	HP	0	13/32"	3/4" 16 UNF 2B	6280108FG142A
Female O-Ring	88	75	—	—	—	5/16"	5/8" 18 UNF 2B	6280106FG090A
Female O-Ring	88.5	59	—	—	—	5/16"	5/8" 18 UNF 2B	6280106FG382A
Female O-Ring	86	46	—	—	—	5/16"	5/8" 18 UNF 2B	6280106FG553A
Female O-Ring	89	45	—	—	—	5/8"	7/8" 14 UNF 2B	6280112FG514A
Female O-Ring	89	45	16	LP	90	5/8"	7/8" 14 UNF 2B	6280112FH174A
Female O-Ring	90	78	—	—	—	13/32"	3/4" 16 UNF 2B	6280108FG694A
Female O-Ring	92	46.5	—	—	—	1/2"	7/8" 14 UNF 2B	6280110FG064A
Female O-Ring	92	46.5	16	LP	0	1/2"	7/8" 14 UNF 2B	6280110FG093A
Female O-Ring	92	46.5	16	LP	270	1/2"	7/8" 14 UNF 2B	6280110FG041A
Female O-Ring	92	46.5	25	LP	8	1/2"	7/8" 14 UNF 2B	6280110FG747A
Female O-Ring	94	88	—	—	—	13/32"	3/4" 16 UNF 2B	6280108FG053A
Female O-Ring	103	54.5	—	—	—	5/8"	1" 1/16 14 UNS 2B	6280112FG938A
Male O-Ring	68	36.5	—	—	—	5/16"	5/8" 18 UNF 2A	6280106FG002A
Male O-Ring	68	36.5	16	HP	90	5/16"	5/8" 18 UNF 2A	6280106FG201A
Male O-Ring	68	36.5	16	Service valve M10 x 1.25	270	5/16"	5/8" 18 UNF 2A	6280106FG964A
Male O-Ring	74	35	—	—	—	5/16"	5/8" 18 UNF 2A	6280106FG772A
Male O-Ring	68	36.5	50	HP	5	5/16"	5/8" 18 UNF 2A	6280106FG098A
Male O-Ring	79	48	—	—	—	13/32"	3/4" 18 UNS 2A	6280108FG060A
Male O-Ring	87	54.5	—	—	—	1/2"	7/8" 18 UNS 2A	6280110FG110A
Male Flanged	84	40	16	HP	0	5/16"	—	6280106FG016A
Male Flanged	86	24	—	—	—	5/16"	—	6280106FG049A
Male Flanged	86	24	16	HP	0	5/16"	—	6280106FG084A
Male Flanged	86	46	—	—	—	5/16"	—	6280106FG009A
Male Flanged	86	51	—	—	—	5/16"	—	6280106FG046A
Male Flanged	87.5	55	—	—	—	1/2"	—	6280110FG152A
Male Flanged	92	46.5	—	—	—	1/2"	—	6280110FG956A
Male Flanged	94.5	42.5	16	LP	0	1/2"	—	6280110FG007A
Male Flanged	94.5	42.5	—	—	—	1/2"	—	6280110FG012A
Male Flanged	100	44	—	—	—	5/8"	—	6280112FG875A

Fittings

Standard fittings

Fittings 90°

Type	A (mm)	B (mm)	C (mm)	Valve	Valve angle (°)	Hose size	Thread	Order number
Block O-Ring	47	12.9	—	—	—	5/16"	5/8" 18 UNF 2B	6280106FG039A
Block O-Ring	55	16.4	—	—	—	1/2"	7/8" 14 UNF 2B	6280110FG105A
Block O-Ring	56	16.4	—	—	—	1/2"	1" 14 UNS 2B	6280110FG006A
Block O-Ring	47	12.9	—	HP	—	5/16"	5/8" 18 UNF 2B	6280106FG040A
Block O-Ring	47	12.9	—	Service valve 7/16" 20 UNF	—	5/16"	5/8" 18 UNF 2B	6280106FG038A
Block O-Ring	52	16	—	—	—	13/32"	3/4" 16 UNF 2B	6280108FG051A
Block O-Ring	52.2	16	—	HP	—	13/32"	3/4" 16 UNF 2B	6280108FG202A
Block O-Ring	55	16.4	—	LP	—	1/2"	7/8" 14 UNF 2B	6280110FG128A
Block O-Ring	55.5	16.35	—	—	—	13/32"	1" 14 UNS 2B	6280108FG058A
Block O-Ring	55.7	16.4	—	HP	—	13/32"	1" 14 UNS 2B	6280108FG036A
Block O-Ring	56.2	16.4	—	LP	—	1/2"	1" 14 UNS 2B	6280110FG035A
Block O-Ring	47	12.9	—	HP	—	5/16"	5/8" 18 UNF 2B	6280106FG674A
Block O-Ring	56.2	16.4	—	LP	—	1/2"	1" 14 UNS 2B	6280110FG308A
Female Rotalock	78	33	—	—	—	13/32"	1" 14 UNS 2B	6280108FG022A
Female Rotalock	78	33	16	HP	270	13/32"	1" 14 UNS 2B	6280108FG279A
Female Rotalock	79.5	32	16	HP	0	13/32"	1" 14 UNS 2B	6280108FG061A
Female Rotalock	79.5	32	16	HP	90	13/32"	1" 14 UNS 2B	6280108FG048A
Female Rotalock	86	39	16	LP	345	1/2"	1" 14 UNS 2B	6280110FG008A
Female Rotalock	93	39	—	—	—	1/2"	1" 14 UNS 2B	6280110FG054A
Female Rotalock	93	39	16	LP	0	1/2"	1" 14 UNS 2B	6280110FG011A
Female Rotalock	93	39	16	LP	270	1/2"	1" 14 UNS 2B	6280110FG290A
Block O-Ring	55.5	16.35	—	HP	—	13/32"	1" 14 UNS 2B	6280108FG870A
Block O-Ring	56	16.4	—	LP	—	1/2"	1" 14 UNS 2B	6280110FG067A
Block O-Ring	55.2	16.4	—	LP	—	1/2"	7/8" 14 UNF 2B	6280110FG509A

Fittings

Standard fittings

Fittings straight

Type	A (mm)	B (mm)	Valve	Hose size	Thread	Order number
Female O-Ring	61.5	—	—	5/16"	5/8" 18 UNF 2B	6280106FG019A
Female O-Ring	66.5	—	—	13/32"	5/8" 18 UNF 2B	6280108FG186A
Female O-Ring	66.5	—	—	13/32"	3/4" 16 UNF 2B	6280108FG059A
Female O-Ring	68	—	—	1/2"	7/8" 14 UNF 2B	6280110FG111A
Female O-Ring	69	—	—	5/8"	7/8" 14 UNF 2B	6280112FG240A
Female O-Ring	77	16	HP	13/32"	3/4" 16 UNF 2B	6280108FG424B
Female O-Ring	81.5	16	LP	1/2"	7/8" 14 UNF 2B	6280110FG112A
Female O-Ring	86	16	HP	5/16"	5/8" 18 UNF 2B	6280106FG122A
Female O-Ring	86	—	—	5/16"	5/8" 18 UNF 2B	6280106FG242A
Male flanged	55.5	—	—	5/16"	—	6280106FG032A
Male flanged	68	—	for valve 1.5 ton	1/2"	—	6280110FG074A
Male flanged	68	—	for valve 2.5 tons 620585011A	1/2"	—	6280110FG957A
Male flanged	84.5	—	—	5/16"	—	6280106FG141A
Male flanged	84.5	16	HP	5/16"	—	6280106FG052A
Male flanged	90	20	LP	1/2"	—	6280110FG055A
Male O-Ring	63	—	—	5/16"	5/8" 18 UNF 2A	6280106FG050A
Male O-Ring	72	—	—	1/2"	7/8" 18 UNF 2A	6280110FG221A
Male O-Ring	86.5	16	HP	5/16"	5/8" 18 UNF 2A	6280106FG037A
Male O-Ring	86.5	16	Service valve 7/16" 20 UNF	5/16"	5/8" 18 UNF 2A	6280106FG282A
Wall-pass	75.5	34	—	5/16"	5/8" 18 UNF 2A	6280106FG950A
Wall-pass	83	—	—	1/2"	7/8" 14 UNF 2A	6280110FG949A
Female conic	53.5	—	—	5/16"	5/8" 18 UNF 2B	6280106FG995A
Female Rotalock	56.5	—	—	1/2"	1" 14 UNS 2B	6280110FG155A
Female Rotalock	66	—	—	13/32"	1" 14 UNS 2B	6280108FG005A
Female Rotalock	68	—	—	5/8"	1" 1/16 14 UNS 2B	6280112FG520A
Female Rotalock	75	16	HP	13/32"	1" 14 UNS 2B	6280108FG010A
Female Rotalock	79	16	LP	1/2"	1" 14 UNS 2B	6280110FG047A
Male fixed O-Ring	56	—	—	5/16"	5/8" 18 UNF 2A	6280106FG243A
Male fixed O-Ring	73	—	—	1/2"	7/8" 14 UNF 2A	6280110FG236B

Fittings

Standard fittings

Connections

Type	A (mm)	B (mm)	C (mm)	D (mm)	Hose size	Valve	Order number
Connection	98	37	18.5	—	5/16"	HP	6280106FG023A
Connection	101	32	16	—	13/32"	HP	6280108FG078A
Connection	102	33	16.5	—	1/2"	LP	6280110FG065A
Connection	104	32	16	—	5/8"	LP	6280112FG327A
3-way connection	70	70	70	20	5/16"	—	6280106FH092A
3-way connection	130	70	65	—	1/2"	—	6280110FG948A
Special connection	111	90	16	30	1/2"	LP	6280110FG103A

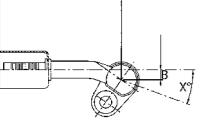
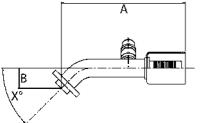
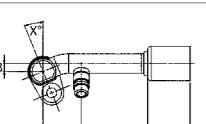
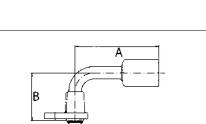
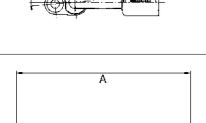
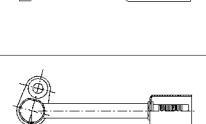
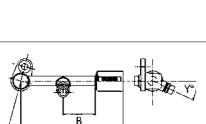
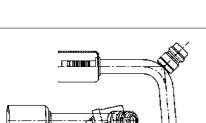
Fittings flanged

Type	Dimensions (mm)	A (mm)	B (mm)	C (mm)	X (°)	Y (°)	Hose size	Valve	Valve angle (°)	Order number
SDB 706	—	69	33	14	—	—	13/32"	HP	90	6280108FG138A
SDB 706	—	71.5	29	—	—	—	13/32"	—	—	6280108FG062A
SDB 706	—	96	20	16	45	—	13/32"	HP	0	6280108FG148A
SD 706	—	50.5	—	—	—	—	1/2"	—	—	6280110FG094A

Fittings

Standard fittings

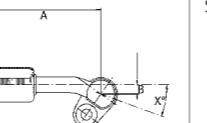
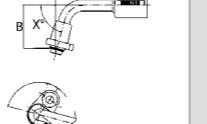
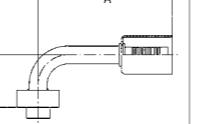
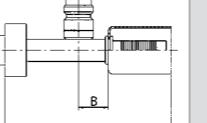
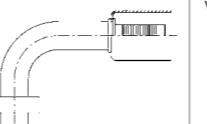
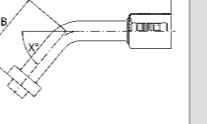
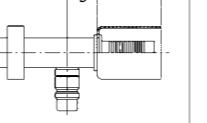
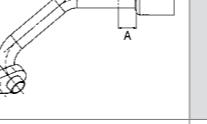
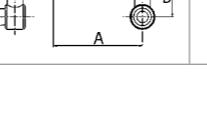
Fittings flanged

Type	Dimensions (mm)	A (mm)	B (mm)	C (mm)	X (°)	Y (°)	Hose size	Valve	Valve angle (°)	Order number	
	SD 706	—	95	48	—	—	—	1/2"	—	—	6280110FG017A
	SD 706	—	95	48	—	—	—	1/2"	LP	90	6280110FG160A
	SD 706	—	107	15	—	45	—	1/2"	—	—	6280110FG083A
	SD 706	—	110	18	—	45	—	1/2"	LP	315	6280110FG068A
	SP10	—	120	10	—	20	—	1/2"	—	—	6280110FG589A
	SP10	—	121	6.5	—	22	—	1/2"	LP	0	6280110FG714A
	SP10	—	121	6.5	—	22	—	1/2"	LP	55	6280110FG456A
	SP10	—	80	46	—	5	—	13/32"	—	—	6280108FG273A
	SP10	—	90	—	—	90	—	13/32"	—	—	6280108FG843A
	SP10	—	130	—	—	75	—	13/32"	—	—	6280108FG851A
	SP10	—	130	43	—	15	25	13/32"	HP	—	6280108FG455A
	SP10	90 x 100	—	—	—	—	—	13/32"	HP	—	6280108FG773A

Fittings

Standard fittings

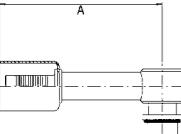
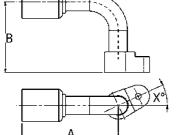
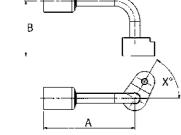
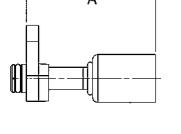
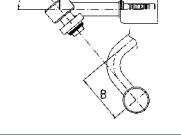
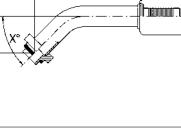
Fittings flanged

Type	Dimensions (mm)	A (mm)	B (mm)	C (mm)	X (°)	Y (°)	Hose size	Valve	Valve angle (°)	Order number	
	SP10	—	85	66	—	20	—	13/32"	—	—	6280108FG517A
	SP10	—	95	45	—	75	290	13/32"	—	—	6280108FG652A
	V5 - VDA	—	90	35	—	90	—	13/32"	—	—	6280108FG861A
	V5 - VDA	—	90	16	—	—	—	13/32"	HP	—	6280108FG666A
	V5 - VDA	—	90	44	—	—	—	1/2"	—	—	6280110FG756A
	V5 - VDA	—	121.6	43.7	—	50	—	1/2"	—	—	6280110FG862A
	V5 - VDA	—	90	—	—	—	—	1/2"	LP	—	6280110FG863A
	SP15	30 x 165 x 80	—	—	—	—	—	1/2"	LP	330	6280110FH163A
	Flanged for expansion valve	—	90	42.5	—	—	—	1/2"	—	—	6280110FG140A

Fittings

Standard fittings

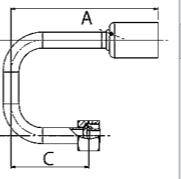
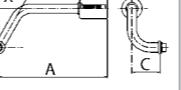
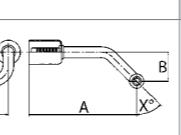
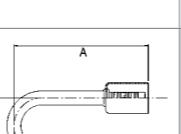
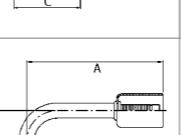
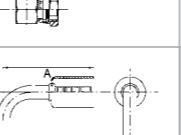
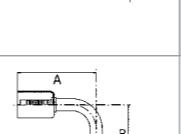
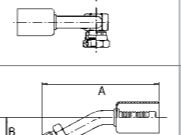
Fittings flanged

Type	Dimensions (mm)	A (mm)	B (mm)	C (mm)	X (°)	Y (°)	Hose size	Valve	Valve angle (°)	Order number
 Flanged for expansion valve	—	94	—	—	—	—	1/2"	—	—	6280110FG521A
 use for 62043363A	—	84	62	—	25	—	1/2"	—	—	6280110FH147A
 use for 62043362A	—	89	54	—	60	—	5/16"	—	—	6280106FH148A
 use for 62043225A	—	70	—	—	—	—	13/32"	—	—	6280108FG893A
 CVC	—	90	45	—	50	—	13/32"	—	—	6280108FG826A
 CVC	—	116	28	—	45	—	1/2"	—	—	6280110FG732A
 CVC	130 x 110 x 40	—	—	—	50	—	1/2"	—	—	6280110FG827A

Fittings

Standard fittings

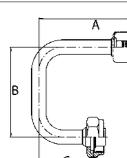
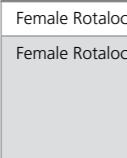
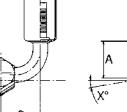
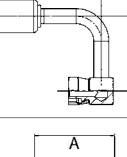
Special fittings

Type	A (mm)	B (mm)	C (mm)	Fittings angle (°)	Hose size	Thread	Order number
 Female O-Ring	85	50	32.5	—	5/16"	5/8" 18 UNF 2B	6280106FG081A
 Female O-Ring	92.5	60	49	—	5/16"	5/8" 18 UNF 2B	6280106FG161A
 Female O-Ring	100	37	—	45	13/32"	3/4" 16 UNF 2B	6280108FG362A
 Male flanged	118	42	31	60	5/16"	—	6280106FG075A
 Male flanged	100	27	26	45	5/16"	—	6280106FG771A
 Male flanged	96	40	47.5	—	5/16"	—	6280106FG357A
 Block O-Ring	90	52	—	—	5/16"	5/8" 18 UNF 2B	6280106FG543A
 Block O-Ring	65	50	—	—	5/16"	5/8" 18 UNF 2B	6280106FG466A
 Block O-Ring	65	50	—	—	5/16"	5/8" 18 UNF 2B	6280106FG123A
Male O-Ring	83	21.5	—	28	5/16"	5/8" 18 UNF 2B	6280106FG015A

Fittings

Standard fittings

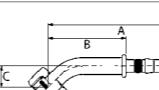
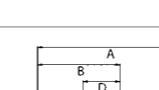
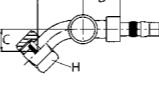
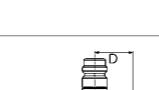
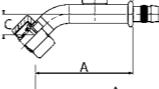
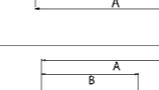
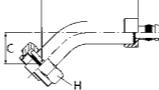
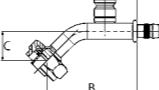
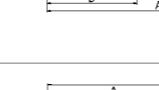
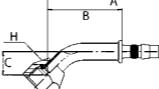
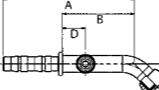
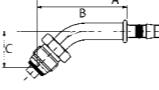
Special fittings

Type	A (mm)	B (mm)	C (mm)	Fittings angle (°)	Hose size	Thread	Order number
 Female Rotalock	84	95	32	-	13/32"	1" 14 UNS 2B	6280108FG244A
 Female Rotalock	96	75	46	-	13/32"	1" 14 UNS 2B	6280108FG133A
 Block	62	32	-	10	13/32"	3/4" 16 UNF 2B	6280108FG247A
 Block	90	60	-	90	13/32"	3/4" 16 UNF 2B	6280108FG591A
 Block	65	35	-	0	13/32"	3/4" 16 UNF 2B	6280108FG124A

Fittings

Refrimaster fittings

Fittings 45°

Type	A (mm)	B (mm)	C (mm)	D (mm)	Mechanical key (wrench)	Valve	Hose size	Thread	Order number
 Female O-Ring	84.9	46.3	12.5	-	19	-	5/16"	5/8" 18 UNF 2B	6280106FS004B
 Female O-Ring	87	48.4	13.5	-	22	-	1/2"	3/4" 16 UNF 2B	6280110FS039A
 Female O-Ring	91.3	52.7	13.5	-	22	-	13/32"	3/4" 16 UNF 2B	6280108FS015A
 Female O-Ring	107.7	69.1	24	-	27	-	1/2"	7/8" 14 UNF 2B	6280110FS028A
 Female O-Ring	108.5	69.9	24	-	27	-	5/8"	7/8" 14 UNF 2B	6280112FS009A
 Female O-Ring	115.9	77.3	27	-	32	-	5/8"	1 1/16" 14 UNS 2B	6280112FS008A
 Female O-Ring	85.12	46.52	12.62	21	22	HP	5/16"	5/8" 18 UNF 2B	6280106FS012A
 Female O-Ring	87.8	-	13.5	16	22	LP	13/32"	3/4" 16 UNF 2B	6280108FS049A
 Female O-Ring	84.9	46.3	12.5	16	19	-	5/16"	5/8" 18 UNF 2B	6280106FS032A
 Female O-Ring	101.3	62.7	13.5	24.5	22	HP	13/32"	3/4" 16 UNF 2B	6280108FS047A
 Female O-Ring	101.3	62.7	13.5	24.5	22	HP	1/2"	3/4" 16 UNF 2B	6280110FS065A
 Female O-Ring	107.7	69.1	24	25.2	27	LP	1/2"	7/8" 14 UNF 2B	6280110FS063A
 Female O-Ring	107.7	69.1	24	25.2	27	LP	5/8"	7/8" 14 UNF 2B	6280112FS025A
 Female Rotalock	105.9	67.3	22	-	29	-	1/2"	1" 14 UNS 2B	6280110FS042A
 Female Rotalock	106.5	67.9	22	-	29	-	13/32"	1" 14 UNS 2B	6280108FS011A
 Female Rotalock	106.5	67.9	22	-	29	-	5/8"	1" 14 UNS 2B	6280112FS013A
 Female Rotalock	106	67.4	22	24	29	HP	13/32"	1" 14 UNS 2B	6280108FS044A
 Female Rotalock	106.5	67.9	22	26	29	LP	5/8"	1" 14 UNS 2B	6280112FS026A
Female Rotalock	107.2	68.6	24	25	29	HP	1/2"	1" 14 UNS 2B	6280110FS066A
Female Rotalock	107.2	68.6	24	25	29	LP	1/2"	1" 14 UNS 2B	6280110FS069A
Female conical	83.6	45	14	-	19	-	5/16"	5/8" 18 UNF 2B	6280106FS006B
Female conical	91.3	52.7	16	-	22	-	13/32"	3/4" 16 UNF 2B	6280108FS025A
Female conical	107.3	68.7	16	18.7	22	LP	13/32"	3/4" 16 UNF 2B	6280108FS048A
Male O-Ring	92.7	54.1	21.5	-	17	-	5/16"	5/8" 18 UNF 2A	6280106FS003B
Male O-Ring	100.9	62.3	25	-	22	-	13/32"	3/4" 18 UNS 2A	6280108FS032A
Male O-Ring	112.4	73.8	28.5	-	22	-	1/2"	7/8" 18 UNS 2A	6280110FS043A

Fittings

Refrimaster fittings

Fittings 45°

Type	A (mm)	B (mm)	C (mm)	D (mm)	Mechanical key (wrench)	Valve	Hose size	Thread	Order number
Male O-Ring	90	51.4	25	-	5	-	5/16"	5/8" 18 UNF 2A	6280106FS029A
Flanged for expansion valve	105	91	14	-	-	-	5/16"	-	6280106FS034A
Flanged for expansion valve	106	-	20	-	-	-	1/2"	-	6280110FS078A

Fittings 90°

Type	A (mm)	B (mm)	C (mm)	D (mm)	Mechanical key (wrench)	Valve	Valve angle (°)	Hose size	Thread	Order number
Female O-Ring	72.9	38.6	24	-	19	-	-	5/16"	5/8" 18 UNF 2B	6280106FS002B
Female O-Ring	79	38.6	24	-	19	-	-	13/32"	5/8" 18 UNF 2B	6280108FS030A
Female O-Ring	85.6	38.6	30	-	22	-	-	13/32"	3/4" 16 UNF 2B	6280108FS003B
Female O-Ring	89.1	38.6	36.5	-	22	-	-	13/32"	3/4" 16 UNF 2B	6280108FS029A
Female O-Ring	90.5	38.6	36.5	-	22	-	-	1/2"	3/4" 16 UNF 2B	6280110FS040A
Female O-Ring	101	38.6	45	-	27	-	-	5/8"	7/8" 14 UNF 2B	6280112FS011A
Female O-Ring	104	38.6	45	-	27	-	-	1/2"	7/8" 14 UNF 2B	6280110FS012A
Female O-Ring	104.9	38.6	54.5	-	32	-	-	5/8"	1 1/16" 14 UNS 2B	6280112FS010A
Female O-Ring	77	38.4	24	20	19	HP	-	5/16"	5/8" 18 UNF 2B	6280106FS008A
Female O-Ring	85.6	47	30	15	22	Service Point 5/8" 18 UNF 2B	-	13/32"	3/4" 16 UNF 2B	6280108FS008A
Female O-Ring	89.1	50.5	36.5	24.5	22	HP	-	13/32"	3/4" 16 UNF 2B	6280108FS045A
Female O-Ring	90.5	51.9	39.5	26	22	HP	-	1/2"	3/4" 16 UNF 2B	6280110FS067A
Female O-Ring	103.9	65.3	45	28.8	27	LP	-	1/2"	7/8" 14 UNF 2B	6280110FS061A
Female O-Ring	103.9	65.3	45	28.8	27	LP	-	5/8"	7/8" 14 UNF 2B	6280112FS027A

Fittings

Refrimaster fittings

Fittings 90°

Type	A (mm)	B (mm)	C (mm)	D (mm)	Mechanical key (wrench)	Valve	Valve angle (°)	Hose size	Thread	Order number
Female Rotalock	99.1	60.5	39	-	29	-	-	13/32"	1" 14 UNS 2B	6280108FS014A
Female Rotalock	99.1	60.5	39	-	29	-	-	5/8"	1" 14 UNS 2B	6280112FS014A
Female Rotalock	99.1	60.5	48.5	-	29	-	-	13/32"	1" 14 UNS 2B	6280108FS001A
Female Rotalock	107.2	68.6	39	-	29	-	-	1/2"	1" 14 UNS 2B	6280110FS020A
Female block	52.5	13.9	12.9	-	19	-	-	5/16"	5/8" 18 UNF 2B	6280106FS033A
Female block	58.5	20.5	16.4	-	27	-	-	1/2"	7/8" 14 UNF 2B	6280110FS024A
Female block	59.5	21.5	16.4	-	29	-	-	13/32"	1" 14 UNS 2B	6280108FS007A
Female block	59.5	21.5	16.4	-	29	-	-	1/2"	1" 14 UNS 2B	6280110FS026A
Female block	59.5	21.5	16.4	-	29	-	-	1/2"	1" 14 UNS 2B	6280110FS001A
Female block	62	23.4	16	-	22	-	-	13/32"	3/4" 16 UNF 2B	6280108FS009A
Female block	59.5	20.9	16.4	-	29	HP	-	13/32"	1" 14 UNS 2B	6280108FS013A
Female block	59.5	21.5	16.4	-	29	LP	-	1/2"	1" 14 UNS 2B	6280110FS021A
Female block	59.5	21.5	16.4	-	29	HP	-	1/2"	1" 14 UNS 2B	6280110FS064A
Female block	65	26.4	24.2	-	29	LP	-	5/8"	1" 14 UNS 2B	6280112FS040A
Female block	59.5	20.9	16.4	-	29	HP	-	13/32"	1" 14 UNS 2B	6280108FS039A
Female block	59.5	21.5	16.4	-	29	LP	-	1/2"	1" 14 UNS 2B	6280110FS009A
Female conical	68	30	35	-	19	-	115	5/16"	5/8" 18 UNF 2B	6280106FS009A
Female conical	70.5	31.9	33	-	14	-	-	5/16"	7/16" 20 UNF 2B	6280106FS026A
Female conical	77	38.4	26	-	19	-	-	3/4"	5/8" 18 UNF 2B	6280108FS027A
Female conical	81.8	43.2	26	-	19	-	-	5/16"	5/8" 18 UNF 2B	6280106FS021A
Female conical	82.7	44.1	34	-	22	-	-	13/32"	3/4" 16 UNF 2B	6280108FS026A
Female conical	99	60.4	37	-	27	-	-	5/8"	7/8" 14 UNF 2B	6280112FS004A
Female conical	103.1	64.5	37	-	29	-	-	5/8"	7/8" 14 UNF 2B	6280110FS035A
Male O-Ring	77	38.4	37.5	-	17	-	-	13/32"	5/8" 18 UNF 2A	6280108FS034A
Male O-Ring	80.6	42	37.5	-	17	-	-	5/16"	5/8" 18 UNF 2B	6280106FS005B
Male O-Ring	83	44.4	47	-	22	-	-	13/32"	3/4" 18 UNS 2A	6280108FS033A
Male O-Ring	99	60.4	54.5	-	22	-	-	5/8"	7/8" 18 UNS 2A	6280112FS016A
Male O-Ring	100.9	62.3	54.5	-	22	-	-	1/2"	7/8" 18 UNS 2A	6280110FS003B
Male O-Ring	77	38.5	60	33	17	-	-	5/16"	5/8" 18 UNF 2A	6280106FS016A
Male O-Ring	80.2	41.6	37.5	16	17	-	-	5/16"	5/8" 18 UNF 2B	6280106FS018A
Flanged for expansion valve	95	56.4	22	-	-	-	-	5/16"	-	6280106FS017A
Flanged for expansion valve	99	60.5	41.5	-	-	-	-	5/8"	-	6280112FS018A
Flanged for expansion valve	103.8	65.2	45	-	-	-	-	1/2"	-	6280110FS046A
Flanged for expansion valve	104.3	65.7	41.5	-	-	-	-	1/2"	-	6280110FS019A

Fittings

Refrimaster fittings

Fittings straight

Type	A (mm)	B (mm)	C (mm)	Mechanical key (wrench)	Valve	Hose size	Thread	Order number
Female O-Ring	68.9	30.3	-	19	-	5/16"	5/8" 18 UNF 2B	6280106FS001B
	74	35.4	-	19	-	13/32"	5/8" 18 UNF 2B	6280108FS020B
	85	46.4	-	22	-	13/32"	3/4" 16 UNF 2B	6280108FS004B
	85	46.5	-	27	-	1/2"	7/8" 14 UNF 2B	6280110FS049A
	86	47.4	-	27	-	5/8"	7/8" 14 UNF 2B	6280112FS007A
	94.2	55.6	-	32	-	5/8"	1 1/16" 14 UNS 2B	6280112FS006A
	103	64.4	-	22	-	1/2"	3/4" 16 UNF 2B	6280110FS038A
	105	66.4	-	22	-	13/32"	3/4" 16 UNF 2B	6280108FS028A
Female O-Ring	85	46.4	24.4	22	Service Point 5/8" 18 UNF 2B	13/32"	3/4" 16 UNF 2B	6280108FS002A
	95	56.4	24	22	HP	13/32"	3/4" 16 UNF 2B	6280108FS046A
	95	56.4	27	27	LP	1/2"	7/8" 14 UNF 2B	6280110FS062A
	95	56.4	27	27	LP	5/8"	7/8" 14 UNF 2B	6280112FS028A
	97	58.4	26	27	HP	1/2"	3/4" 16 UNF 2B	6280110FS068A
	95	56.4	27	27	-	1/2"	7/8" 14 UNF 2B	6280110FS007A
	86	47.4	-	29	-	13/32"	1" 14 UNS 2B	6280108FS005A
	86	47.4	-	29	-	5/8"	1" 14 UNS 2B	6280112FS012A
Female Rotalock	82.4	43.8	21.5	29	LP	1/2"	1" 14 UNS 2B	6280110FS018A
	86	47.4	21.5	29	HP	13/32"	1" 14 UNS 2B	6280108FS012A
	86	47.4	25	29	HP	1/2"	1" 14 UNS 2B	6280110FS052A
	86	47.4	26	29	LP	5/8"	1" 14 UNS 2B	6280112FS023A
	77.8	39.2	-	19	-	5/16"	5/8" 18 UNF 2B	6280106FS013B
	78.5	39.9	-	14	-	5/16"	7/16" 20 UNF 2B	6280106FS025A
	86.1	47.5	-	22	-	13/32"	3/4" 16 UNF 2B	6280108FS023A
	86.3	47.7	-	27	-	1/2"	7/8" 14 UNF 2B	6280110FS032A
Female conical	87	48.4	-	27	-	5/8"	7/8" 14 UNF 2B	6280112FS001A
	99.5	60.9	-	32	-	5/8"	1 1/16" 14 UNS 2B	6280112FS002A
	98	59.4	16	19	HP	5/16"	5/8" 18 UNF 2B	6280106FS035A
	98	59.4	16	19	HP	5/16"	5/8" 18 UNF 2B	6280106FS035A
	98	59.4	16	19	HP	5/16"	5/8" 18 UNF 2B	6280106FS035A
	98	59.4	16	19	HP	5/16"	5/8" 18 UNF 2B	6280106FS035A
	98	59.4	16	19	HP	5/16"	5/8" 18 UNF 2B	6280106FS035A
	98	59.4	16	19	HP	5/16"	5/8" 18 UNF 2B	6280106FS035A

Fittings

Refrimaster fittings

Fittings straight

Type	A (mm)	B (mm)	C (mm)	Mechanical key (wrench)	Valve	Hose size	Thread	Order number
Male O-Ring	70.2	31.6	-	17	-	5/16"	5/8" 18 UNF 2A	6280106FS020A
	74	35.4	-	17	-	13/32"	5/8" 18 UNF 2A	6280108FS031A
	86	47.4	-	22	-	5/8"	7/8" 18 UNS 2A	6280112FS015A
	89.4	50.8	-	22	-	13/32"	3/4" 18 UNS 2A	6280108FS022A
	91.6	53	-	22	-	1/2"	7/8" 18 UNS 2A	6280110FS023A
	101	56.4	16	17	-	5/16"	5/8" 18 UNF 2A	6280106FS030A
	70.2	31.6	-	17	-	5/16"	5/8" 18 UNF 2A	6280106FS024A
	77.8	36.6	-	24	-	1/2"	7/8" 14 UNS 2A	6280110FS030A
Male fixed	90	51.4	-	24	-	13/32"	7/8" 14 UNF 2A	6280108FS041A
	77.9	39.3	-	-	-	5/16"	-	6280106FS027A
	85	46.4	-	-	-	1/2"	-	6280110FS044A
	92	53.4	-	-	-	1/2"	-	6280110FS045A
	92	53.4	-	-	-	5/8"	-	6280112FS017A
	70.2	31.6	-	17	-	5/16"	5/8" 18 UNF 2A	6280106FS024A
	77.8	36.6	-	24	-	1/2"	7/8" 14 UNS 2A	6280110FS030A
	90	51.4	-	24	-	13/32"	7/8" 14 UNF 2A	6280108FS041A
Flanged for expansion valve	77.9	39.3	-	-	-	5/16"	-	6280106FS027A
	85	46.4	-	-	-	1/2"	-	6280110FS044A
	92	53.4	-	-	-	1/2"	-	6280110FS045A
	92	53.4	-	-	-	5/8"	-	6280112FS017A
	77.9	39.3	-	-	-	5/16"	-	6280106FS027A
	85	46.4	-	-	-	1/2"	-	6280110FS044A
	92	53.4	-	-	-	1/2"	-	6280110FS045A
	92	53.4	-	-	-	5/8"	-	6280112FS017A

Connections

Type	A (mm)	B (mm)	C (mm)	D (mm)	Valve	Hose size	Order number
Connection 3-ways	100	22.8	83.5	-	-	5/16"	6280106FS023A
	100	22.8	88.5	-	-	13/32"	6280108FS036A
	100	22.8	88.5	-	-	1/2"	6280110FS029A
	100	22.8	88.5	-	-	5/8"	6280112FS021A
Connection 3-ways	100	22.8	42.5	68.5	-	13/32"	6280108FS043A
	100	22.8	42.5	80	-	1/2"	6280110FS059A
	100	22.8	42.5	119	-	13/32"	6280108FS038A
	100	22.8	48.5	115	-	1/2"	6280110FS010A

Fittings

Refrimaster fittings

Connections

Type	A (mm)	B (mm)	C (mm)	D (mm)	Valve	Hose size	Order number
Connection 3-ways	153	65	—	—	—	13/32"	6280108FS037A
Connection	120	43	—	—	—	5/16"	6280106FS028A
Connection	124	47	—	—	—	13/32"	6280108FS035A
Connection	124	47	—	—	—	1/2"	6280110FS047A
Connection	124	47	—	—	—	5/8"	6280112FS019A
Connection	124	47	—	—	LP	1/2"	6280110FS005A
Connection	124	47	—	—	LP	5/8"	6280112FS020A
Connection	120	43	—	—	HP	5/16"	6280106FS007A
Connection	124	47	—	—	HP	13/32"	6280108FS017A
Connection	124	47	—	—	HP	1/2"	6280110FS048A
Connection	124	47	—	—	7/16" 20 UNF	1/2"	6280110FS053A
Connection	124	47	34	—	3/4" 16 UNF 2A	1/2"	6280110FS011A
Connection	124	48	42	—	7/8" 14 UNF 2A	5/8"	6280112FS029A

Fittings

Ghibli fittings

Fittings 45°

Type	A (mm)	B (mm)	C (mm)	Hose size	Thread	Order number
Female O-Ring	95	55	23	13/32"	3/4" 16 UNF	6232062A
Female O-Ring	115	75	31	5/8"	7/8" 14 UNF	6232064A
Female O-Ring	115	75	31	5/8"	1 1/16" 14 UNS	6232066A
Female Rotalock	115	75	35	13/32"	1" 14 UNS 2B	6232063A

Fittings 90°

Type	A (mm)	B (mm)	C (mm)	Hose size	Thread	Order number
Female O-Ring	105	65	33	5/8"	1 1/16" 14 UNS	6232068A
Female Rotalock	105	65	48	13/32"	1" 14 UNS 2B	6232067A
Female Rotalock	105	65	48	5/8"	1" 14 UNS 2B	6232069A
Block Rotalock	80	40	—	13/32"	1" 14 UNS 2B	6232072A
Block Rotalock	80	40	—	5/8"	1" 14 UNS 2B	6232082A

Fittings 180°

Type	A (mm)	B (mm)	C (mm)	Hose size	Thread	Order number
Female O-Ring	95	55	—	13/32"	3/4" 16 UNF	6232058A
Female O-Ring	95	55	—	5/8"	7/8" 14 UNF	6232060A
Female Rotalock	95	55	—	13/32"	1" 14 UNS 2B	6232059A
Female Rotalock	95	55	—	5/8"	1" 14 UNS 2B	6232061A

Fittings

Fittings with reduced section

Fittings 45°

Type	A (mm)	B (mm)	C (mm)	Valve	Valve angle (°)	Hose size	Thread	Order number
Female Rotalock	113	22	16	LP	90	1/2"	1" 14 UNS 2B	6270110FG160A
Male Flanged	96	38	—	—	—	1/2"	—	6270110FG041A
Male Flanged	97	18.5	—	—	—	1/2"	—	6270110FG031A
Male Flanged	101	17	16	LP	90	1/2"	—	6270110FG189A

Fittings 90°

Type	A (mm)	B (mm)	Valve	Hose size	Thread	Order number
Female O-Ring	72.5	28.5	—	5/16"	5/8" 18 UNF 2B	6270106FG032A
Female O-Ring	79	34	—	13/32"	3/4" 16 UNF 2B	6270108FG026A
Female O-Ring	94	45	—	1/2"	7/8" 14 UNF 2B	6270110FG059A
Female O-Ring	115	72	—	1/2"	7/8" 14 UNF 2B	6270110FG072A
Male flanged	86	24	—	5/16"	—	6270106FG014A
Male flanged	94.5	42.5	—	1/2"	—	6270110FG027A
Block O-Ring (without valve)	52	16	—	13/32"	3/4" 16 UNF 2B	6270108FG131A
Block O-Ring (without valve)	53	12.9	—	5/16"	5/8" 18 UNF 2B	6270106FG056A
Block O-Ring (with valve)	54	—	LP	1/2"	1" 14 UNS 2B	6270110FG064A
Block O-Ring (with valve)	55.5	—	HP	13/32"	1" 14 UNS 2B	6270108FG093A
Female Rotalock	79.5	32	—	13/32"	1" 14 UNS 2B	6270108FG162A

Fittings

Fittings with reduced section

Fittings straight

Type	A (mm)	B (mm)	Valve	Hose size	Thread	Order number
Female O-Ring	61.5	—	—	5/16"	5/8" 18 UNF 2B	70106FG069
Female O-Ring	70	—	—	13/32"	3/4" 16 UNF 2B	70108FG095
Female O-Ring	77	—	—	1/2"	7/8" 14 UNF 2B	70110FG002
Female O-Ring	86	16	HP	5/16"	5/8" 18 UNF 2B	70106FG039
Male Flanged	55.5	—	—	5/16"	—	70106FG021
Male Flanged	68	—	—	1/2"	—	70110FG008
Male O-Ring	60	—	—	5/16"	5/8" 18 UNF 2A	70106FG029
Male O-Ring	78	—	—	13/32"	3/4" 16 UNF 2A	70108FG214

Fittings flanged

Type	Dimensions (mm)	Hose size	Valve	Order number
Flanged special	20 x 130 x 70	13/32"	HP	6270108FH281A

Special fittings

Type	A (mm)	B (mm)	X (°)	Hose size	Thread	Order number
Female O-Ring	91.5	17.5	25	13/32"	3/4" 16 UNF 2B	6270108FG097A

Fittings

Special fittings

	A (mm)	B (mm)	C (mm)	Valve	Valve angle (°)	Hose size	Thread	Note	Order number
	100	-	-	LP	180	1/2"	Flanged	for SS48 compressor	6280110FH228A
	46	50	42	-	360	5/16"	5/8" 18 UNF 2B	-	6280106FS011A
	75	51	-	-	90	13/32"	Flanged	for SP10 compressor	6280108FS016A
	88	-	-	-	180	13/32"	Flanged	for SP10 compressor	6280108FS018A
	89	58	28	-	360	13/32"	3/4" 16 UNF 2B	-	6280108FS010A
	82	82	36	-	SP	13/32"	1" 14 UNS 2B	-	6280108FS019A
	-	-	-	-	SP	13/32"	Flanged	for SP10 compressor	6280108FS042A
	82	140	110	-	SP	13/32"	Flanged	for SP10 compressor	6280108FS050A

Fittings

Special fittings

	A (mm)	B (mm)	C (mm)	Valve	Valve angle (°)	Hose size	Thread	Note	Order number
	84	-	-	-	90	13/32"	Flanged	for SP21 compressor	6280108FS040A
	95	-	-	-	180	1/2"	Flanged	for SP10 compressor	6280110FS025A
	86	50	39	-	25	1/2"	1" 14 UNS 2B	-	6280110FS027A
	70	36	-	-	45	1/2"	Flanged	for expansion valve	6280110FS060A
	-	-	-	LP	76	1/2"	Flanged	for SP10 compressor	6280110FS022A
	-	-	-	-	SP	1/2"	Flanged	for SP10 compressor	6280110FS058A
	75	-	-	-	SP	1/2"	Flanged	for SP10 compressor	6280110FS071A
	-	-	-	-	SP	1/2"	Flanged	for SP10 compressor	6280110FS072A

Fittings

Special fittings, Clips

	A (mm)	B (mm)	C (mm)	Valve	Valve angle (°)	Hose size	Thread	Note	Order number
	100	-	-	-	SP	1/2"	Flanged	for SP21 compressor	6280110FS050A
	-	-	-	-	SP	13/32"	3/4" 16 UNF 2B	-	6280108FS051A
	-	-	-	-	Conical Female O-Ring	13/32"	3/4" 16 UNF	for compressor	6231303A
	-	-	-	-	45° Rotalock	5/8"	1" 14 UNS 2B	for compressor	6231298A
	-	-	-	-	Conical Female O-Ring	5/8"	7/8" 14 UNF	for compressor	6231305A

Refrimaster clips

	Tube Ø (mm)	Hose Ø (inch)	Order number
	6	5/16"	620361778A
	8	13/32"	620361779A
	10	1/2"	620361780A
	12	5/8"	620361781A

Ghibli clips

	Tube Ø (mm)	Hose Ø (inch)	Order number
	6	5/16"	6232774A
	8	13/32"	6232775A
	10	1/2"	6232776A
	12	5/8"	6232777A

Fittings

Freon feeder

Adapters, Nipples

	Description	Dimensions	Order number
	Nipple	5/8" 18 UNF 2A	62021012A
	Adapter	O-Ring 5/8" 18 UNF 2A - Conical	62021016B
	Adapter	O-Ring 3/4" 16 UNF 2A - Conical	62021030A
	Nipple	3/4" 16 UNF 2A	62021043A
	Adapter	O-Ring 13/32" - Conical	6230460A
	Nipple	7/8" 14 UNF 2A	62021074A
	Adapter	O-Ring 7/8" 14 UNF - Conical	62021078A
	3-way Adapter	(2x) 5/8" 18 UNF 2A - (1x) 5/8" 18 UNF 2B	62021119B
	Quick coupling kit	5/16"	620361472A
	Quick coupling kit	1/2"	620361473A

Fittings

Freon feeder

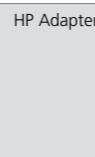
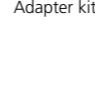
Adapters, Nipples

	Description	Dimensions	Order number
	Quick coupling kit	13/32"	620361475A
	Adapter quick-coupling 13/32"	3/4" 16 UNF 2A	62043033S1B
	Adapter quick coupling from 7/8" to 1/2"	7/8" 14 UNF 2A	62043033S2B
	Adapter quick coupling 5/16"	5/8" 18 UNF 2A	62043033S3B
	Male quick coupling	5400-S2-8	62043039S1A
	Kit for 62043033S1A, 62043033S2B and 62043033S3B	-	62043033S3A
	Female quick coupling	5400-S5-8	62043039S2A
	Screw	5400-53-8 S	62043039S3A
	3-way Adapter	1" - 14 UNF 2A - 7/8" 14 UNF 2A - 1" - 14 UNF 2B	62043108B

Fittings

Freon feeder

Adapters, Nipples

	Description	Dimensions	Order number
	LP Adapter valve from R12 to R134	-	62043139A
	HP Adapter valve from R12 to R134	-	62043140A
	Adapter kit valve from R12 to R134a (LP and HP)	-	62043141S1AA
	Hose extension coupler 5/16" (L=50mm)	5/8" 18 UNF 2B	62043401A
	Hose extension coupler 13/32" (L=50mm)	3/4" 16 UNF 2B	62043402A
	Hose extension coupler 1/2" (L=50mm)	7/8" 14 UNF 2B	62043403B
	Hose extension coupler 5/16" (L=90mm)	5/8" 18 UNF 2B	62043407A
	Hose extension coupler 13/32" (L=90mm)	3/4" 16 UNF 2B	62043408A
	3/4" Male O-Ring connection	-	62043486A

Fittings

Freon feeder

Adapters, Nipples

	Description	Dimensions	Order number
	5/8" Male O-Ring connection	-	62043487A
	Hose extension coupler fitting 5/8"	5/8" 18 UNF 2B	6280106FG950A
	Hose extension coupler fitting 7/8"	7/8" 14 UNF 2B	6280110FG949A

Fitting accessories

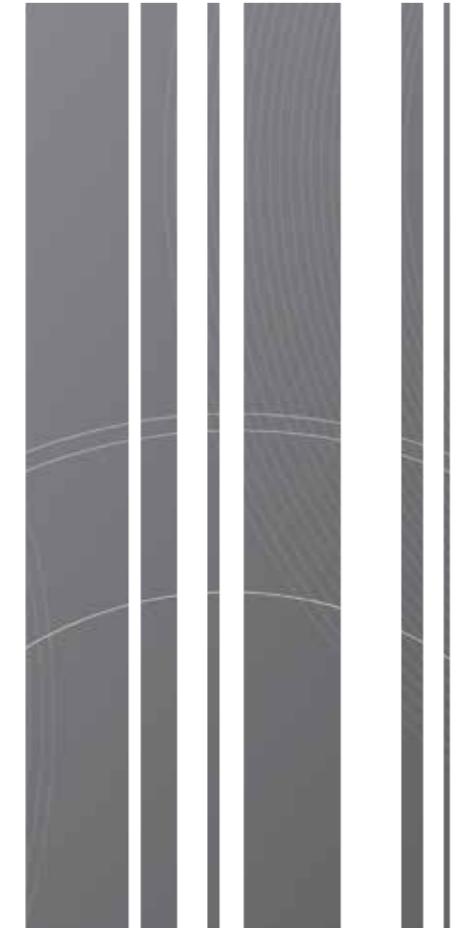
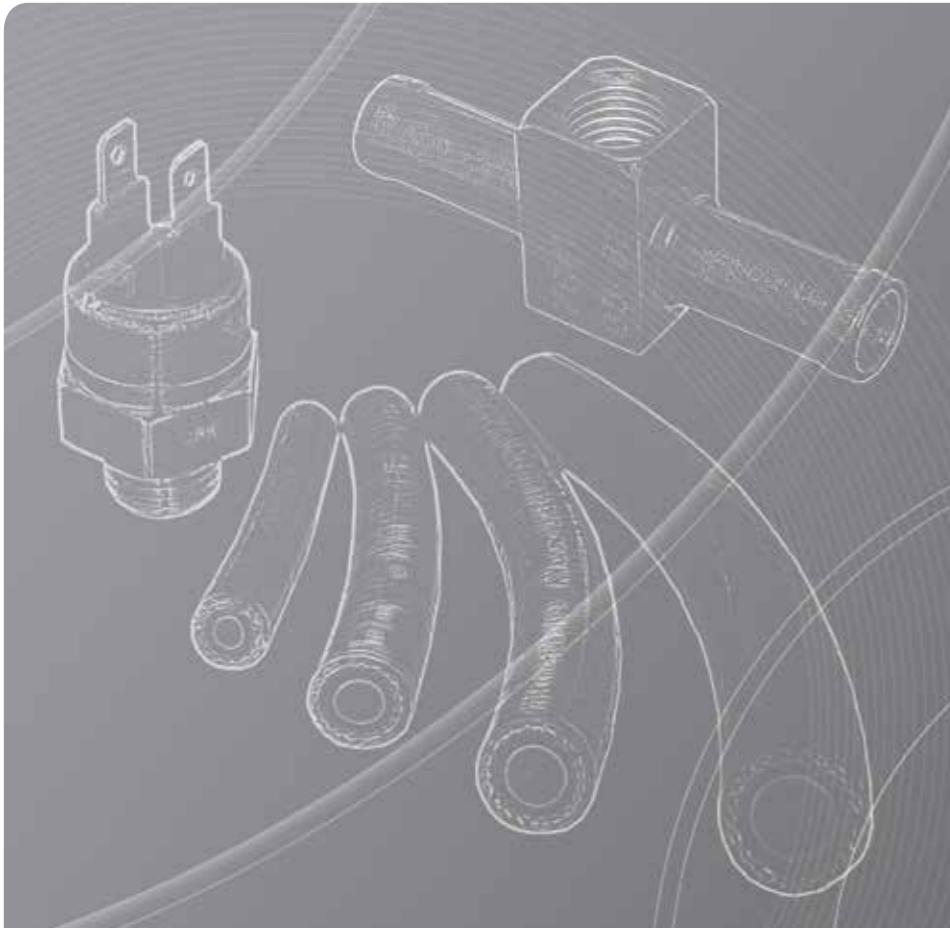
	Type	Description	Order number
	Extension System for Original AC	3-way suitable for Fiat Scudo	62043283A
	Extension System for Original AC	Suitable for Fiat Ducato 230/244	62043343A
	Extension System for Original AC	Suitable for Fiat Ducato X250	62043359A
	Extension System for Original AC	3-way block suitable for VW T5 (7H0 820 679)	62043366B
	Extension System for Original AC	3-way block suitable for Renault Master, Opel Movano, Nissan Interstar	62043501A

Fittings

Freon feeder

Fitting accessories

	Type	Description	Order number
	Extension System for Original AC	3-way adapter 5/16"	62043417B
	Extension System for Original AC	3-way adapter 1/2"	62043418A
	Extension System for Original AC	3-way adapter 5/16" (62043417B) 3-way adapter 1/2" (62043418A) suitable for Mercedes Sprinter, VW Crafter	62A031060A
	Freon Feeder	-	62043220A
	Freon Feeder	Suitable for Skoda Fabia	62043238B
	Freon Feeder	Suitable for Audi A3	62043309A
	Freon Feeder	MB Vito 111 CDI	62043310A
	Freon Feeder	Fiat Doblo' only in combination with valve 62058027A	62043311A
	Freon Feeder	Fiat Ducato	62043357A



Hoses

Air and protection hoses

Description	Ø internal (mm)	Order number
Paper air hose	45.5	6230573A
Paper air hose	50.5	62033050CAA
Paper air hose	60.5	6230575A
Paper air hose	75	6230463A
Plastic air hose	50	6230574A
Plastic air hose	60	6230462A
Plastic air hose	75	6230576A
Paper aluminium air hose	55	62RWT55B
Paper aluminium air hose	60	62RWT60B
Paper aluminium air hose	70	62RWT70A
Paper aluminium air hose	80	62RWT80B
Paper aluminium air hose	90	62RWT90B
Paper aluminium air hose	100	62RWT101A
Insulating protection hose	14	62070371RA
Insulating protection hose	17	6230602A
Insulating protection hose	27	62070251A
Westaflex protection hose	18	62070222A
Westaflex protection hose	21	6230539A
Westaflex protection hose	24	6230537A
Westaflex protection hose	26	6230538A
Polar protection hose	14	62070992RA
Polar protection hose	18	62070813RA
Polar protection hose	20	62070915RA
Polar protection hose	30	6230603RA
Anticondensate Material (10 m)	-	62070001RA

Hoses

Hoses

Refrigerant hoses are available for different refrigerant types and in different diameters and variants.

Air hoses in different diameters and material connect the AC blower with the louvers. For protecting hoses several variants can be selected.

A variety of water hoses, especially for the drain water or glycol (heating function), and its accessory such as fittings, connections and bulbs are provided.

Manuli Glacier hoses to be used for AC systems with standard fittings.

Goodyear Galaxy hoses to be used for AC systems with fittings with reduced section.

Maflow Artic and Refrimaster hoses to be used for refrigeration systems with Refrimaster and special fittings.

Ghibli hoses to be used for refrigeration systems with Ghibli fittings.

Air and protection hoses

Refrigerant hoses

Water hoses and equipment

Hoses

Refrigerant hoses

Type	Description	Ø internal (mm)	Ø external (mm)	Order number
	Manuli Glacier 5/16" Glacier SAEJ 2064 GY4828	8.2	18.3	6290006G2GS18A
	Manuli Glacier 13/32" Glacier SAEJ 2064 GY4828	10.6	22.2	6290008G2GS13A
	Manuli Glacier 1/2" Glacier SAEJ 2064 GY4828	13	24.6	6290010G2GS20A
	Manuli Glacier 5/8" Glacier SAEJ 2064 GY4828	16.2	27.8	6290012G2GS4A
	Manuli Glacier Roll with 50 m 5/16" Glacier SAEJ 2064	8.2	18.3	6290006G2GS19A
	Manuli Glacier Roll with 50 m 13/32" Glacier SAEJ 2064	10.6	22.2	6290008G2GS14A
	Manuli Glacier Roll with 50 m 1/2" Glacier SAEJ 2064	13	24.6	6290010G2GS21A
	Manuli Glacier Roll with 50 m 5/8" Glacier SAEJ 2064	16.2	27.8	6290012G2GS5A
	Maflow Artic 5/16" Artic NK	8	12.7	6290006G2GAS19A
	Maflow Artic 13/32" Artic NK	10.5	16	6290008G2GAS9A
	Maflow Artic 1/2" Artic NK	12.7	18.1	6290010G2GAS16A
	Maflow Artic 5/8" Artic NK	16	21.7	6290012G2GAS5A
	Maflow Artic Roll with 50 m 5/16" Artic NK	8	12.7	6290006G2GAS20A
	Maflow Artic Roll with 50 m 13/32" Artic NK	10.5	16	6290008G2GAS10A
	Maflow Artic Roll with 50 m 1/2" Artic NK	12.7	18.1	6290010G2GAS17A
	Maflow Artic Roll with 50 m 5/8" Artic NK	16	21.7	6290012G2GAS6A
	Refrimaster 5/16" Refrimaster	8	12.7	6290006G2GRS25A
	Refrimaster 13/32" Refrimaster	10.5	16	6290008G2GRS17A
	Refrimaster 1/2" Refrimaster	13	18.1	6290010G2GRS21A
	Refrimaster 5/8" Refrimaster	16	21.7	6290012G2GRS7A
	Refrimaster Roll with 50 m 5/16" Refrimaster	8	12.7	6290006G2GRS26A
	Refrimaster Roll with 50 m 13/32" Refrimaster	10.5	16	6290008G2GRS18A
	Refrimaster Roll with 50 m 1/2" Refrimaster	13	18.1	6290010G2GRS22A
	Refrimaster Roll with 50 m 5/8" Refrimaster	16	21.7	6290012G2GRS8A
	Goodyear Galaxy 5/16" Galaxy Reduced section	8	14.7	6231548A
	Goodyear Galaxy 13/32" Galaxy Reduced section	10	17.3	6231628A
	Goodyear Galaxy 1/2" Galaxy Reduced section	12	19.4	6231629A
	Goodyear Galaxy 5/8" Galaxy Reduced section	16	23.6	6231630A
	Flexin Ghibli 5/16" Ghibli	8	16	6231185A
	Flexin Ghibli 13/32" Ghibli	10.7	18.8	6231189A
	Flexin Ghibli 1/2" Ghibli	12.7	21.5	6231583A
	Flexin Ghibli 5/8" Ghibli	16.1	24.1	6231191A

Hoses

Water hoses and equipment

Water hoses and pumps

Description	Ø internal (mm)	Ø external (mm)	Order number	
	Standard water hose	11	18	6230615A
	Standard water hose	14.5	21.5	6230570A
	Standard water hose	15.5	22.5	62011003C
	Standard water hose	15.5	25.5	62011021C
	Water circulation pump 12V Circulation volume 510 l/h @ 0.145 bar Bosch No. 392044020	–	–	62007761A

Condensate drain equipment

Description	Ø internal (mm)	Ø external (mm)	Ø (inch)	Order number	
	Condensate drainage hose	11	15.5	–	6206900755A
	Condensate drainage hoses accessories straight	–	10	–	6230592A
	Condensate drainage hoses accessories straight	–	12	–	6230505A
	Condensate drainage hoses accessories 90°	–	10	–	6230638A
	Condensate drainage hoses accessories 90°	–	13	–	6230511A
	Universal rubber grommet for hoses	–	–	–	62069031A
	Double rubber grommet	–	–	–	62069079A
	3/8" rubber grommet	–	–	3/8"	62069108A
	1/2" rubber grommet	–	–	1/2"	62069109A

Hoses

Water hoses and equipment

Connections

	Description	Ø external (mm)	Ø external (mm)	Ø external (mm)	Order number
	Condensate drainage hoses accessories (T-connection)	13	13	13	6230506A
	2-way connection	10	10	-	62007279A
	2-way connection	12	12	-	62007689A
	2-way connection	15	15	-	62007412A
	2-way connection	16	16	-	620691326A
	2-way connection with plastic screw	16	16	-	62069273A
	2-way connection	21.75	21.75	-	62007278A
	3-way connections	6	6	6	620691175A
	3-way connections	10	10	10	620691066A
	3-way connections	16	16	16	620691623A
	3-way connections	20	16	8	62007718A
	3-way connections	20	20	8	62007719A

Hoses

Water hoses and equipment

Adapters, clamps

	Description	Ø external (mm)	Ø external (mm)	Ø (mm/inch)	Order number
	Adapters	16	11	-	62069889A
	Adapters	16	12	-	62007654B
	Adapters	19	14	-	620691558A
	Adapters	20	16	-	62007717B
	Pipe Clamp	-	-	1/2"	62069033AA
	Pipe Clamp	-	-	3/8"	62069032AA
	Pipe Clamp	-	-	14	6230529A
	Pipe Clamp	-	-	15	62069557A
	Pipe Clamp	-	-	18	6230524A
	Pipe Clamp	-	-	20	6230640A
	Pipe Clamp	-	-	22	6230525A
	Pipe Clamp	-	-	23	62069716A
	Pipe Clamp	-	-	24	6230527A
	Pipe Clamp	-	-	28	62069762A
	Pipe Clamp	-	-	50	6230523A
	Pipe Clamp	-	-	-	62062049A

Hoses

Water hoses and equipment

Pipes, Bulbs

	Description	Ø external (mm)	Fitting	Order number
	Pipe Metal	10	M14 x 1.5	620681096B
	Pipe Metal	12	M14 x 1.5	62007647A
	Pipe Metal	16	M14 x 1.5	62007481C
	Pipe Metal	20	M14 x 1.5	62007406C
	Pipe Metal	27	M14 x 1.5	62007636A
	Pipe Metal	28	M22 x 1.5	62007396A
	Pipe Metal	31	M14 x 1.5	62007355A

Thermostatic bulbs

	Bulb type	Open at (°C)	Closed at (°C)	Fitting type	Fitting	Order number
	One contact normally closed	107	97	Male	M14 x 1.5	62068635A
	One contact normally closed	117	107	Male	M14 x 1.5	620681209A
	One contact normally closed	115	105	Male	M14 x 1.5	620681568A

Hoses

Water hoses and equipment

Water Pipes

	Type	Length A (center of pipe to end of pipe) (mm)	Length B (center of pipe to end of pipe) (mm)	Ø internal (mm)	Ø external (mm)	Order number
	L	36	110	14.5	21.5	620691088A
	L	45	65	14.5	21.5	620691361A
	L	45	70	14.5	21.5	62069355A
	L	50	50	14.5	21.5	620691087A
	L	50	80	14.5	21.5	62069894A
	L	50	100	14.5	21.5	620691237A
	C	55	110	14.5	21.5	62069393A
		60	125	14.5	21.5	62069432A

Hoses

Water hoses and equipment

Water valves

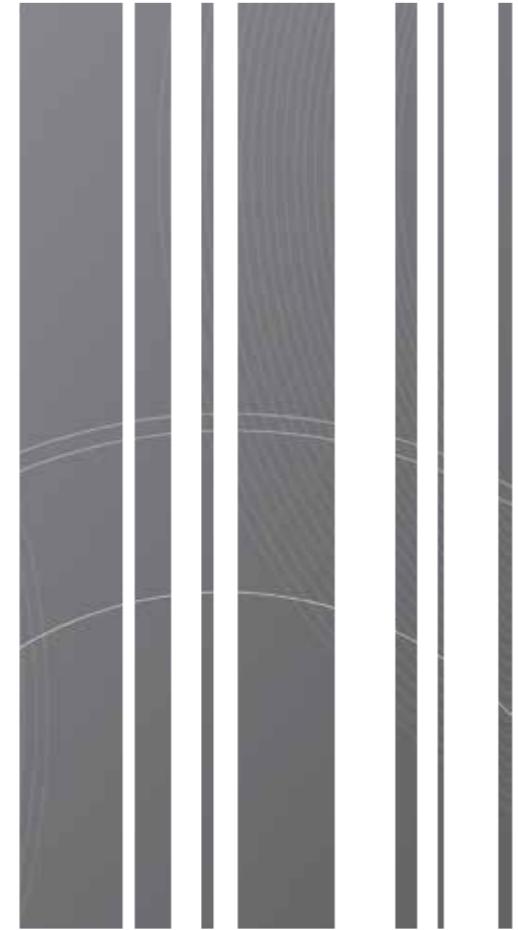
	Description	Note	Order number
	Vacuum water valve	Normally open	62031007B
	Vacuum water valve	Normally closed	62031069B
	Water valve	–	62031024A
	Water valve D-12	Mounting angle 90°	62069749A
	Water valve D-16	Mounting angle 90°	62069867A
	Water valve D-16	Mounting angle straight	62069976A
	Bowden water valve	Straight	620311206A
	Bowden water valve	90°	620311567A
	Water valve electrical (on / off)	12 V	62ECA068688A

Hoses

Water hoses and equipment

Water valves

	Description	Note	Order number
	Water valve manual control	–	620691045C
	Bracket for bowden	–	62069123S2A
	Vacuum 4 way by-pass valve	for hose diameter 16 mm	62031630A
	4 ways manifold	for hose diameter 16 mm	62031630S1A
	4 ways valve with electric actuator	12 V for hose diameter 16 mm	62068812A
	Electric valve with wiring	24 V for hose diameter 16 mm	620282102A
	Electric valve	24 V for hose diameter 16 mm	620682298S1B
	Electric valve with wiring	12 V for hose diameter 16 mm	620282129A
	Electric valve	12 V for hose diameter 16 mm	620681455S2FA



Electrical Material

Solenoid valves

	Volt (V)	Temperature range (°C)	Power consumption (A)	Max pressure (bar)	Note	Order number
	-	-35 to +105	-	45	Normally closed Thread: 5/8" 18 UNF 2A (external), 2B (internal)	620681053S1A
	-	-35 to +105	1.6	32	Normally closed Thread: 5/8" 18 UNF 2A conical (external), 2A conical (internal)	62068702S2A
	-	-35 to +105	-	45	Normally closed Thread: 5/8" 18 UNF 2A (external), 2B (internal)	620682703A
	12	-30 to +100	-	32	Normally closed	62068105RA
	24	-30 to +100	0.93	-		RMBO305
	12	-	-	1.6	3-way: diameter external 20 mm, internal 16 mm	620682447A
	12	-	-	1.6	2-way: diameter external 20 mm, internal 16 mm	620682546A
	12	-30 to +100	1.6	-		62068702S1A

Electrical material

Solenoid valves, Probes, Actuators, Relays, Resistors, Switches

All electrical material such as solenoid valves, actuators and thermostats are dedicated to control and protect the complete system or particular components.

Pressure switches

Pressure switches are electromagnetic devices which have the function of protecting other components from anomalous pressure value and regulating condensation pressure.

Knobs and silk-screen printings

These devices are integrated in the control panel of the vehicle to control the AC.

Solenoid valves

Pressure switches

Knobs

Probes

Resistors

Silk-screen printings

Actuators

Thermoswitches

Relays and accessories

Standard switches

Electrical Material

Probes

	Description	Order number
	Cabin air temperature probe	620681117B
	Air temperature probe inside AC	620681202A
	PTC 970 Ohm at 20 °C	620682056A
	10 kOhm at 25 °C, 1.5 m, with connector	620682856S3A
	10 kOhm at 25 °C, 1.5 m, without connector	620682856A

Electrical Material

Actuators

	Description	Order number
	Electric actuator	620682151A
	Electric actuator	620682380S1A
	Electric actuator	620682381A
	Electric actuator for electronic control	62ECA0681028A

Electrical Material

Relays and accessories

	Volt (V)	Temperature range (°C)	Current rate (A)	Note	Order number
	12	-30 to +90	30	Switch	620681236A
	12	-40 to +125	30	Relay	620681238A
	12	-35 to +85	4	Relay timer 2 sec	620681520A
	12	-35 to +85	4	Relay	620681789A
	12	-	30	Relay	620681911A
	24	-30 to +85	2 x 10	Relay	620682049A
	-	-	15 - 25	Relay	620682146A
	12	-30 to +85	8	Relay timer 2 sec	620682230A

Electrical Material

Relays and accessories

	Volt (V)	Temperature range (°C)	Current rate (A)	Note	Order number
	12	-40 to +90	2 x 20		Relay
	12	-	50		Relay
	12	-	40		Relay
	24	-	-	Relay for compressor	620682838A
	24	-	-	Relay for electric fan	620682839A
	-	-	-	Logic relay	620682855A
	24	-30 to +85	20		Relay
	-	-	-	Positive switch	62068535C
	-	-	-	Negative switch	62068542C

Electrical Material

Relays and accessories

	Volt (V)	Temperature range (°C)	Current rate (A)	Note	Order number
	24	-	10/20	Relay	62068604A
	12	-40 to +125	70	Relay	62068694C
	12	-	40	Relay switch 87 contact connected	6230613A
	-	-	-	Relay bracket 1 hole	62068041C
	-	-	-	Relay bracket 2 holes	620681260AA
	-	-	-	Relay bracket 3 holes	62068626C
	-	-	-	Relay bracket 5 holes	620682048A
	-	-	-	Fan control module	620682852A
	-	-	-	Blower control module	620682853A

Electrical Material

Pressure switches

	PSI min/max	Low level open outlet (bar)	Low level closed inlet (bar)	Medium level open outlet (bar)	Medium level closed inlet (bar)	High level open outlet (bar)	High level closed inlet (bar)	Thread	Note	Order number
	-	2.1 ± 0.3	2 ± 0.2	-	-	19 ± 2	25 ± 2	7/16" 20 UNF 2B	-	62043063S3A
	-	2.1 ± 0.3	2 ± 0.2	-	-	19 ± 2	25 ± 2	7/16" 20 UNF 2B	-	62043063S4AA
	-	2.1 ± 0.3	2 ± 0.2	-	-	19 ± 2	25 ± 2	7/16" 20 UNF 2B	-	62043063S7AA
	-	2.1 ± 0.3	2 ± 0.2	-	-	19 ± 2	25 ± 2	7/16" 20 UNF 2B	-	62043063AA
	-	2.15 ± 0.35	2 ± 0.75	16 ± 1	12 ± 1	21 ± 1.5	25 ± 1.5	7/16" 20 UNF 2B	-	62043101S1A
	-	2.15 ± 0.35	2 ± 0.75	16 ± 1	12 ± 1	21 ± 1.5	25 ± 1.5	7/16" 20 UNF 2B	-	62043101S2A
	-	2.45 ± 0.25	2.6 ± 0.34	11.28 ± 0.98	15.3 ± 0.98	28 + 0.96 - 2.94	22.12 ± 1.96	7/16" 20 UNF 2B	-	62043112A
	-	2.1 ± 0.3	2 ± 0.2	-	-	19 ± 2	25 ± 2	7/16" 20 UNF 2B	-	62043113A

Electrical Material

Pressure switches

	PSI min/max	Low level open outlet (bar)	Low level closed inlet (bar)	Medium level open outlet (bar)	Medium level closed inlet (bar)	High level open outlet (bar)	High level closed inlet (bar)	Thread	Note	Order number
	-	2.15 ± 0.35	2 ± 0.75	16 ± 1	12 ± 1	21 ± 1.5	25 ± 1.5	7/16" 20 UNF 2B	-	62043118B
	-	2 ± 0.25	2.15 ± 0.35	15 ± 1.0	11 ± 1.0	27 ± 2.0 -3.0	21 ± 2.0	3/8" 24 UNF 2A	-	62043123S1A
	-	2.45 ± 0.35	3.5 max.	19 ± 1	15 ± 1	24 ± 1	20 ± 1.2	7/16" 20 UNF 2B	4th level: 28 bar ± 2	62043181A
	45	2.1	0.35	-	-	-	-	-	Danfoss 061F7520	62043349A
	-	-	-	-	-	-	-	-	-	62043358A
	-	2.1 ± 0.3	2 ± 0.2	-	-	19 ± 2	25 ± 2	7/16" 20 UNF 2B	-	62043395A
	-	2.05	2.45	16 11	20 15	28	22	7/16" 20 UNF 2B	-	62043396A
	45	27 ± 1.5	32 ± 1.0	-	-	-	-	7/16" 20 UNF 2B	-	62043449A

Electrical Material

Pressure switches

	PSI min/max	Low level open outlet (bar)	Low level closed inlet (bar)	Medium level open outlet (bar)	Medium level closed inlet (bar)	High level open outlet (bar)	High level closed inlet (bar)	Thread	Note	Order number
	15	1 ± 0.4	0.1 ± 0.3	-	-	-	-	7/16" 20 UNF 2B	-	62043450A
	-	-	-	-	-	-	-	M10 x 1.25	-	620435066A
	-	2.1	0.35	-	-	-	-	7/16" 20 UNF 2B	-	62043400B

Electrical Material

Resistors

	Volt (V)	Resistance (Ohm)	Note	Order number
	12	0.4 + 1.2	-	62068016A
	12	2 + 2	-	62068062A
	12	-	Blower control 4 speed	620681025B
	12	1.0 + 2.5	-	620681180A
	12	2.18 / 1.18 / 0.32	Blower control 4 speed 2R18K R84K R32K	620682591A
	12	0.18 / 0.23 / 0.30	-	620682787A
	12	0.4 / 1.6	-	620682934A

Electrical Material

Resistors

	Volt (V)	Resistance (Ohm)	Note	Order number
	12	0.68	-	62068451A
	12	max. 1.8	3 speed	62068582A

Electrical Material

Thermoswitches

	Length of thermostat probe (mm)	Total thread length inc. knob (mm)	Thread length (mm)	Nº pin	Note	Order number
	-	-	-	-	for Mercedes MB124	620681688
	160	-	-	-	Defrost	620682692A
	450	-	5.5	4	-	620683240A
	1,500	25	11.5	3	-	620683242A
	600	25	11	2	-	620683239A
	600	35	24	2	-	62068010B
	1,250	25	11.5	2	-	620682887B
	1,500	25	11.5	2	-	620682888B

Electrical Material

Thermoswitches

	Length of thermostat probe (mm)	Total thread length inc. knob (mm)	Thread length (mm)	Nº pin	Note	Order number
	-	-	-	-	Electronic	62068745A
	600	25	12	5	KPF1L1	6231020A

Electrical Material

Standard switches

	Description	Voltage (V)	Nº pin	Order number
	3 Speed Switch	12	5	62068007RAA
	3 Speed Switch with Resistor	12	3 + 2 Resistance	62068008A
	3 Speed Switch	12	5	620682882A
	Wired Switch	12	-	620682413S1A
	On Off Switch + Knob	24	4	620682555A
	3 Speed Switch	12	5	62068331A
	On Off Switch + Knob	12	4	62068504S1A
	Recirculation rectangular Microswitch	12	-	6230502A

Electrical Material

Standard switches

	Description	Voltage (V)	Nº pin	Order number
	AC rectangular Microswitch	12	-	62068540S3A
	Rectangular switch plate	-	-	6230591A
	Recirculation round Microswitch	12	-	62068540S2A
	AC round Microswitch	12	-	62068540S4A
	Round switch plate	-	-	6230501A

Electrical Material

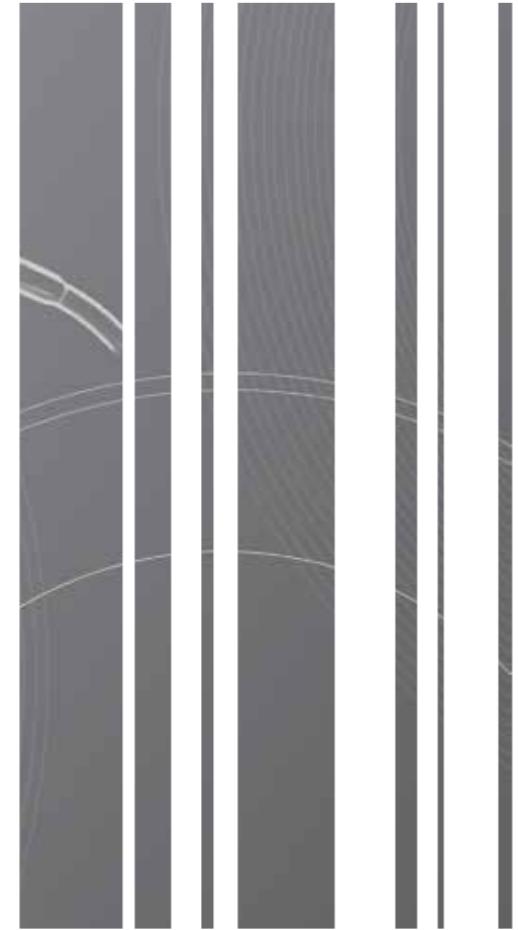
Knobs

	Description	Order number
	Knob	62068003A
	Knob 90°	62068061A
	Knob	6230500A
	Octagonal Knob	62068323A
	Octagonal Knob	62068324A
	Octagonal Knob	62068406A
	Knob	62068407A

Electrical Material

Silk-screen printings

	Description	Dimensions (mm)	Hole	Order number
	Air label PVC	40 x 35	1	62067001A
	Temp label PVC	40 x 35	1	62067002A
	Air - Temp label PVC (horizontal)	75 x 45	2	62067060B
	Air speed control label aluminium	40 x 35	1	62067061A
	Temp label aluminium	40 x 35	1	62067062A



Maintenance products, Tools

Cabin air filters

Cabin air filters remove contaminants from the air that comes from the outside of a vehicle into the cabin. Thanks to their material they can hold back the pollutants up to the size of 1 micron. In fact, the filter material is a particular micro porous fabric, composed of viscose and cellulose fiber that acts as a sieve.

Oils

Specific oil types safeguards the lubrication of the compressor.

Leak detections, AC flushings, Servicing tools

Several tools such as leak detections , AC flushings, crimping machines and special pliers are standard equipment of every workshop to maintain the AC system.

Cabin air filters

O-rings and clamps

Oils

Leak detections

AC flushings

Servicing tools

Maintenance products, Tools

Cabin air filters

Type	Length (mm)	Width (mm)	Thickness (mm)	Order number
Paper filter	203	145	17	620691626A
Paper filter	328	67	34	62031745B
Paper filter	355	70	15	620691373A
Paper filter	371	86	30	620311149A
Paper filter	385	60	25	620691097A
Paper filter	425	113	18	620691413A
Paper filter	425	170	10	620691421A
Paper filter	460	89	30	620311146A
Fiber filter	565	445	4	620701398B

Maintenance products, Tools

O-rings and clamps

	Product	Quantity (cc/pç)	Ø (mm, inch)	Order number
	O-Ring 7.66 x 1.78	50	–	62069505RAA
	O-Ring 10.82 x 1.78	50	–	62069506RA
	O-Ring 14 x 1.78	50	–	62069507RAA
	O-Ring 17.16 x 1.78	50	–	62069508RA
	O-Ring 15.6 x 2.4	50	–	6231571A
	O-Ring 18.6 x 2.4	50	–	6231572A
	Metal band	–	for water hose 22 mm	62036481A
	Pipe clamp	–	42	62069697A
	Pipe clamp	–	3/8"	62069032AA
	Pipe clamp	–	1/2"	62069033AA
	Rubber grommet height 16 mm	50	20	6230507A
	Rubber grommet height 22 mm	20	30	6230515A
	Universal rubber grommet	20	for refrigerant hose	6230509A
	Drop break (reduction 6230521A needed)	20	–	6230518A
	Reduction for drop break (drop break 6230518A needed)	20	–	6230521A

Maintenance products, Tools

Oils

POE Oils

	Oil type	Quantity (cc/pç)	Description	Order number
	POE ISO 100	1,000	RL100S R12-R134a	62040596B
	POE ISO 100	1,000 x 12	RL100S R12-R134a	62040597B
	POE ISO 150	1,000	RL150S R12-R134a	62040598A
	Raisol ISO 68	1,000	Oil for vacuum pump	62040197A
	POE ISO 32	1,000	R404a compressor oil	62040578A
	POE ISO 68	250	R404a compressor oil	62040599B

Maintenance products, Tools

Oils

PAG Oils

	Oil type	Quantity (cc)	Description	Order number
	PAG ISO 46	250	Suitable for Ford (FX15-FS10); Harrison, GM, Delco (CVC); Honda (Hadsys); Matsusita (Scroll); Mitsubishi (Scroll); Nippondenso (10P, 10PA, CA, SC, SB, SE); Panasonic (Scroll); Sanden (SD7H Type C; SD7B10, SD7V, TR Scroll); Diesel Kiki (CD17, DCW17, 13CH, 15CH); Tama Seikusyo (16CH, 17CH, DKS26, TM31); Unicla (Z145, Z150, Z170); York/CCI (206, 209, 210)	62040595B
	PAG ISO 100	250	Suitable for Nippondenso (TV); Sanden (SD5H, SD7H type A&B); Seiko Seiki (SS Rotary); Seltec (DKV-14C&D, KC45&50); Zexel (all piston compressor)	62040593A
	PAG ISO 150	250	Suitable for Harrison, GM	62040594B

Maintenance products, Tools

Leak detections and AC flushings

	Product	Description	Order number
	UV Lamp without cable	This product is a cordless rechargeable UV lamp, can be used when the other lamps are limited by their cord. The battery charger and goggles are included.	621TP41556A
	Electronic leak detector	This refrigerant leak detector has an electro-chemical sensor made of ceramic substrate covered with a reagent. The sensor is kept at a high temperature by an in-built mechanism. It is sensitive to all CFCs (R12, R11), HFCs (R134a) and HCFCs (R22, R123). When one of these halogen gases comes in contact with the hot surface, the chlorine, fluorine and bromine atoms separate from their molecules and ionise. This produces an electrical current that, passing through the ceramic material, reaches an electrode in the centre of the sensor. The detector is automatic and does not have to be set for a particular type of refrigerant. It compensates automatically for variations in background contamination and humidity. An audible variable pitch signal pinpoints the exact source of the leak.	621TP41570A
	UV Dye for leak detection	Suitable for leak detection tools. A measurer for one dose is included.	621TP41600A
	AC Flushing kit	This kit consist of a 400 cc sturdy alloy bottle (with valve), hose, pistol, clamp and a container for flushing liquid recovery. It can be used with any suitable cleansing fluid (R141b, ecc) though we recommend 1TP41425. The flushing liquid is pressurised in the alloy bottle using compressed air or nitrogen through the inlet valve. The kit comes in a handy crate, which keeps all the contents together and also keeps the flushing liquid recovery container upright when receiving liquid under pressure. Flushing fluid not included	621TP41415A
	AC Flushing fluid	This environmentally friendly solvent is non-toxic and contains no polluting substances such as surface-active agents, ether glycol or halogen hidrocarbons. It does not destroy or deform elastomer (rubber) and / or synthetic materials. Its flash point of 70 °C makes it much safer to use than benzene based solvents. It allows the evacuation of oil and particles in suspension from the heat exchanger tubes (evaporator and condenser). The solvent drying time is compatible with the normal servicing requirements for AC systems. It is an ideal replacement for CFC-R113 and has excellent cleansing properties and rapid evaporation time. It is compatible with all refrigerants (CFC, HCFC, HFC). Supplied in a 5 l container.	621TP41425A

Maintenance products, Tools

Servicing tools

Product	Description	Order number
	Manual crimping machine with 8 dies A new crimping machine with 8 dies, to crimp hoses of AC and cooling systems in different sector. The system with 8 dies allows elimination of pressure leak from the fittings. The crimper can be open thus allowing the crimping of special and difficult elbows. Two versions are available, manual pump and integrated piston and with hydraulic handle in titanium alloy, hose and adapter to be matched to the pneumo-hydraulic power unit 621TP41374A.	621TP41571A
	Hydraulic crimping machine with 8 dies A new crimping machine with 8 dies, to crimp hoses of AC and cooling systems in different sector. The system with 8 dies allows elimination of pressure leak from the fittings. The crimper can be open thus allowing the crimping of special and difficult elbows. Two versions are available, manual pump and integrated piston and with hydraulic handle in titanium alloy, hose and adapter to be matched to the pneumo-hydraulic power unit 621TP41374A.	621TP41574A
	Pneumo-Hydraulic power unit for crimper Meets with CE safety requirements. The unit is pneumatically operated and is activated by a built-in pedal. The unit is connected to a compressed air line using standard couplings and allows work to be carried out at the workbench with no physical effort required.	621TP41374A
	Pliers for Ghibli and Refrimaster For an easy clamping / releasing of Ghibli / Refrimaster hose clamps.	621TP41546A

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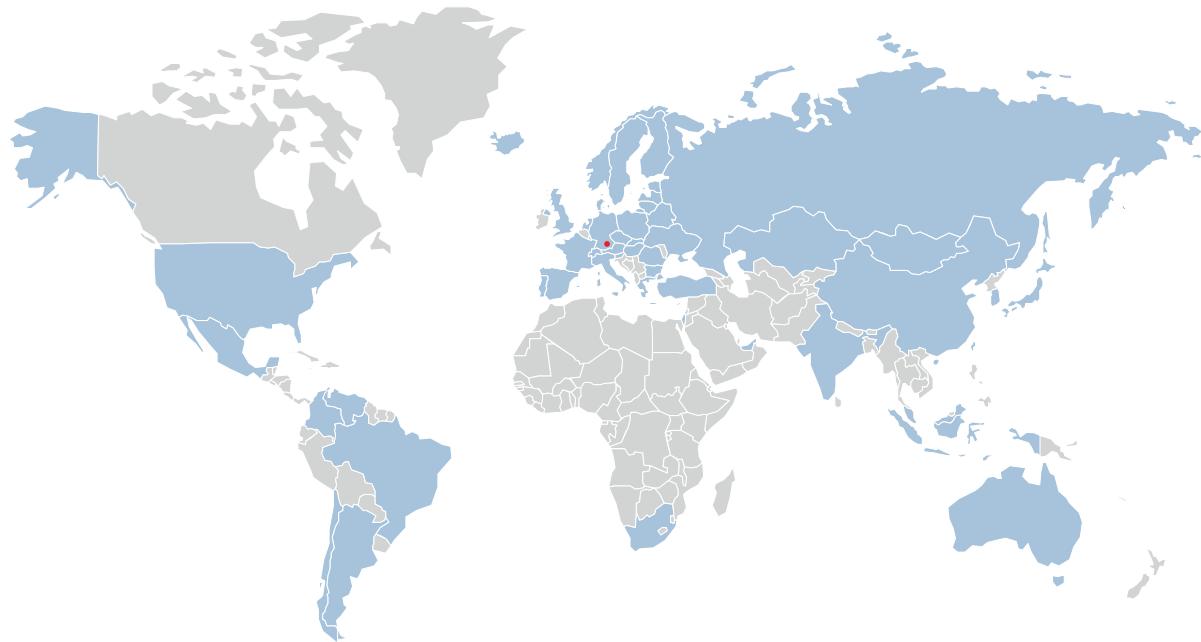
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- Gilching Headquarters
- Webasto Locations



For more than 75 years, the Webasto group has continued to set new technological standards – in both the original equipment sector and the aftermarket. As one of the 100 biggest suppliers in the automotive industry worldwide, we develop and produce roof, convertible as well as heating, cooling and ventilation systems. Our products help provide a better atmosphere on the road, more comfort and security, as well as increased efficiency for cars, commercial and special vehicles, motor homes and boats. An outstanding network of production facilities and dealers guarantees high-quality products, installation standards and services worldwide.