



acr COOL
A Series

www.acrcool.com



Keeping temperature in all conditions



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Satisfied people is our best business

- ACR Group was founded in 1995, as a result of the experience of its founder in the field of transport and air conditioning with more than 25 years of experience. The company is born to focus on the air conditioning and mainly on the automotive industry.
- We manufacture cold equipment for vehicles, air conditioning compressors of all kinds, machinery for air conditioning specific for workshop, settling internationally.
- Our base of operations has an area of 4,500 m², where manufacturing is located of cold equipment, compressors, machinery manufacturing, logistics warehouse and offices. Our headquarters is located in the city of Alzira, Valencia (Spain).
- We also have a Technical Assistance service, as well as a Repair Service and maintenance of any type of equipment, regardless of whether we have manufactured it.
- We have an extensive commercial network, with numerous international distributors, as well as with commercial agents that support the work in each region.
- Our strong point is customer service. This is achieved thanks to the combination of our experience in the market, our technical knowledge of the sector and our experience as a manufacturer.
- We provide the best customer support by helping you choose the equipment you need, personalizing if necessary, giving telephone assistance, training our customers, etc ...

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We design and manufacture air conditioning and climate systems designed for the most demanding conditions.

At ACR Group we know how difficult it is to maintain a good temperature and confort in all conditions and applied to many differents type of vehicle.

Our goal is to maintain a good confort and optimal temperature all the persons that uses any type of vehicle, for professional use or even for personal use.



The ACR COOL A Series range offers extreme flexibility to ensure you have the right unit for your challenging operation.

The A Series range is specially designed to be applied where conditions are more difficult and you have to ensure a response of maximum reliability.

A Series equipment can be installed in any vehicle.



ACR COOL A2MB-SB-ST

AIR CONDITIONING UNITS



ACR Cool A2 MB

TRUCK ROOF AIR CONDITIONING
FOR STATIONARY USE



ACR Cool A2 SB



ACR Cool A2 ST

Model	ACR Cool A2 MB
Structure	Single compressor Roof top model MONOBLOCK
Voltage	24V DC
Average current consumption	15A
Cooling capacity	1.600W
Refrigerant	R134A
Dimensions(WxHxD)	845 x 170 x 635 mm
Weight	23 kg
Air flow	350 m ³ /h

- Operating temperature range 18/43 °C
- Temperature setting 18/30 °C.
- Suitable for truck cab, camping cars, medical and mobile workshop.

ELECTRIC ENGINE

AIR CONDITIONING UNITS

Model	ACR Cool A2 SB
Structure	Split type evaporator - Condenser in back
Voltage	24V DC
Average current consumption	15A
Cooling capacity	1600W
Refrigerant	R134A
Evaporator dimensions Condenser dimensions	(WxHxD) 577 x 297 x 145 mm 607 x 220 x 418 mm
Weight	25 kg
Air flow	350 m ³ /h

Model	ACR Cool A2 ST
Structure	Split type evaporator - Condenser on top
Voltage	24V DC
Average current consumption	15A
Cooling capacity	1.600W
Refrigerant	R134A
Evaporator dimensions Condenser dimensions	(WxHxD) 577 x 297 x 145 mm 367 x 560 x 196 mm
Weight	25 kg
Air flow	350 m ³ /h

Special for cab climatization



ACR COOL A3MB-SB-ST

AIR CONDITIONING UNITS



ACR Cool A3 MB

TRUCK ROOF AIR CONDITIONING
FOR STATIONARY USE



ACR Cool A3 SB



ACR Cool A3 ST

Model	ACR Cool A3 MB
Structure	Double compressor roof top model MONOBLOCK
Voltage	24V DC
Average current consumption	15-25A
Cooling capacity	2.650W
Refrigerant	R134A
Dimensions(WxHxD)	845 x 170 x 635 mm
Weight	28 kg
Air flow	350 m ³ /h

- Operating temperature range 18/43 °C
- Temperature setting 18/30 °C.
- Suitable for truck cab, camping cars, medical and mobile workshop.

ELECTRIC ENGINE

AIR CONDITIONING UNITS

Model	ACR Cool A3 SB
Structure	Split type evaporator - Condenser in back
Voltage	24V DC
Average current consumption	15-25A
Cooling capacity	2650W
Refrigerant	R134A
Evaporator dimensions Condenser dimensions	(WxHxD) 577 x 297 x 145 mm 607 x 220 x 418 mm
Weight	25 kg
Air flow	350 m ³ /h

Model	ACR Cool A3 ST
Structure	Split type evaporator - Condenser on top
Voltage	24V DC
Average current consumption	15A
Cooling capacity	1.600W
Refrigerant	R134A
Evaporator dimensions Condenser dimensions	(WxHxD) 577 x 297 x 145 mm 367 x 560 x 196 mm
Weight	25 kg
Air flow	350 m ³ /h

Special for cab climatization



ACR COOL AMB8

AIR CONDITIONING UNITS



ROOF-TOP UNIT FOR BUSES AND MINI BUSES

Model	ACR Cool MB8
Structure	Split AC unit
Power consumption	12V 50A
Cooling capacity	8.000W
Refrigerant	R134A
Evaporator dimensions Condenser dimensions	(WxHxD) 140 x 855 x 275 mm 855 x 1050 x 145 mm
Air flow	1300 m ³ /h

- Direct engine driven.
- Specially designed for tropical climate.
- Suitable for buses and mini buses.



ACR COOL AMB10A

AIR CONDITIONING UNITS



ROOF-TOP UNIT FOR BUSES AND MINI BUSES

Model	ACR Cool MB10
Structure	Roof Top Model C
Power consumption	24V ≤30A
Cooling capacity	10.500W
Refrigerant	R134A
Dimensions	(WxHxD) 1480 x 1062 x 215 mm
Air flow	1500 m ³ /h

- Direct engine driven.
- Specially designed for tropical climate.
- Suitable for buses and mini buses.



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ACR COOL AMB12

AIR CONDITIONING UNITS



ROOF-TOP UNIT FOR BUSES AND MINI BUSES

Model	ACR Cool MB12
Structure	Roof Top Model MONOBLOCK
Power consumption	24V ≤35A
Cooling capacity	12.000W
Refrigerant	R134A
Dimensions	(WxHxD) 1700 x 1200 x 175 mm
Air flow	2200 m ³ /h

- Direct engine driven.
- Specially designed for tropical climate.
- Suitable for buses and mini buses.



ACR COOL AMB16SN

AIR CONDITIONING UNITS



- Bus length application: 7-8 m
- Universal split AC System suitable for Hyundai County, Toyota Coaster, Mitsubishi Rosa Minibus.
- Maximum work condition: 55°C

Model	ACR Cool MB16SN
Structure	Built-in Split Model
Power consumption	27V
	48A
Cooling capacity	16.200W
Refrigerant	R134A
Evaporator dimensions	(WxHxD) 1362x632x230 mm · with 3 Blowers
Condenser dimensions	(WxHxD) 1276 x 370 x 490 mm · with 3 Fans
Total weight	75 kg
Compressor type	TM31 Type
Air flow	2500 m ³ /h

* Optional with air ducts.

- Direct engine driven.
- Specially designed for tropical climate.
- Suitable for buses and mini buses.



ACR COOL AB14

AIR CONDITIONING UNITS



Model	ACR Cool B14	
Structure	Roof Top Model MONOBLOCK	
Applicable for bus (m)	6.5 - 7.5	
Cooling Capacity (W)*	Standard	14.000
	Maximum	17.000
Refrigerant	R134a	
Compressor	10P30	
Power Consumption	27V	35A
Condenser	QTY of Condenser Fan	2
	Air Flow	4000 m ³ /h
Evaporator	QTY of Evaporator Blower	4
	Air Flow	4000 m ³ /h
Dimensions	Length (mm)	2400
	Width (mm)	1380
	Height (mm)	210
Weight	120 kg	

*Test conditions: 35°C

- Direct engine driven.
- Specially designed for tropical climate.
- Suitable for buses.



ACR COOL AB15

AIR CONDITIONING UNITS



Model	ACR Cool B15	
Structure	Roof Top Model MONOBLOCK	
Applicable for bus (m)	7,5-8,5 (Ambient Temperature 35°C)	
Cooling Capacity (W)	16000	
Refrigerant	R134a	
Compressor	TM31	
Power Consumption	12V	80A
	24V	40A
Condenser	QTY of Condenser Fan	3
	Air Flow	6600 m ³ /h
Evaporator	QTY of Evaporator Blower	4
	Air Flow	4400 m ³ /h
Dimensions	Length (mm)	2676
	Width (mm)	1483
	Height (mm)	190

- Direct engine driven.
- Specially designed for tropical climate.
- Suitable for buses.



ACR COOL AB17

AIR CONDITIONING UNITS



Model	ACR Cool B17	
Structure	Roof Top Model MONOBLOCK	
Applicable for bus (m)	8	
Cooling Capacity (W)	17000	
Refrigerant	R134a	
Compressor	10P35C	
Power Consumption	24V	35A
Condenser	Qty of Condenser Fan	2
	Air Flow	4000 m ³ /h
Evaporator	Qty of Evaporator Blower	4
	Air Flow	4000 m ³ /h
Dimensions	Length (mm)	2570
	Width (mm)	1500
	Height (mm)	216
Weight	135 Kg	

- Direct engine driven.
- Specially designed for tropical climate.
- Suitable for buses.



ACR COOL AB19

AIR CONDITIONING UNITS



Model	ACR Cool B19	
Structure	Roof Top Model MONOBLOCK	
Applicable for bus (m)	8	
Cooling Capacity (W)	19500	
Refrigerant	R134a	
Compressor	10P35C	
Power Consumption	24V	35A
Condenser	Qty of Condenser Fan	2
	Air Flow	4000 m ³ /h
Evaporator	Qty of Evaporator Blowe	4
	Air Flow	4000 m ³ /h
Dimensions	Length (mm)	2780
	Width (mm)	1580
	Heigth (mm)	218
Weight	150 Kg	

- Direct engine driven.
- Specially designed for tropical climate.
- Suitable for buses.



ACR COOL AB20

AIR CONDITIONING UNITS



Model	ACR Cool B20	
Structure	Roof Top Model MONOBLOCK	
Applicable for bus (m)	7,5 - 8,5 (Ambient Temperature 45°C)	
Cooling Capacity (W)	19000	
Refrigerant	R134a	
Compressor	TM31	
Power Consumption	12V	80A
	24V	40A
Condenser	QTY of Condenser Fan	3
	Air Flow	6600 m ³ /h
Evaporator	QTY of Evaporator Blower	4
	Air Flow	4400 m ³ /h
Dimensions	Length (mm)	3245
	Width (mm)	1703
	Height (mm)	280

- Direct engine driven.
- Specially designed for tropical climate.
- Suitable for buses.



ACR COOL AB22

AIR CONDITIONING UNITS



Model	ACR Cool B22	
Structure	Roof Top Model MONOBLOCK	
Applicable for bus (m)	10	
Cooling Capacity (W)	22000	
Refrigerant	R134a	
Compressor	FKX40/470K	
Power Consumption	24V	45A
Condenser	Qty of Condenser Fan	3
	Air Flow	5400 m ³ /h
Evaporator	Qty of Evaporator Blowe	4
	Air Flow	4000 m ³ /h
Dimensions	Length (mm)	3078
	Width (mm)	1720
	Heigth (mm)	230
Weight	165 Kg	

- Direct engine driven.
- Specially designed for tropical climate.
- Suitable for buses.



ACR COOL AB28

AIR CONDITIONING UNITS



Model	ACR Cool B28	
Structure	Roof Top Model MONOBLOCK	
Applicable for bus (m)	10 - 12	
Cooling Capacity (W)	28.000	
Refrigerant	R134a	
Compressor	ACR AC35 type or Valeo TM43 type	
Power Consumption	27V	65A
Condenser	Qty of Condenser Fan	3
	Air Flow	5400 m ³ /h
Evaporator	Qty of Evaporator Blower	4
	Air Flow	4400 m ³ /h
Dimensions	Length (mm)	3078
	Width (mm)	1720
	Height (mm)	230
Weight	165 Kg	

- Direct engine driven.
- Specially designed for tropical climate.
- Suitable for buses.



ACR COOL AB37

AIR CONDITIONING UNITS



Model	ACR Cool B37	
Structure	Roof Top Model MONOBLOCK	
Applicable for bus (m)	11-13 (Ambient Temperature 40°C)	
Cooling Capacity (W)	37000	
Refrigerant	R134a	
Compressor	Bitzer 4NFCY/Bock FX40	
Voltage	24V	
Power Consumption	95A	
Condenser	QTY of Condenser Fan	5
	Air Flow	11550 m ³ /h
Evaporator	QTY of Evaporator Blower	8
	Air Flow	9020 m ³ /h
Dimensions	Length (mm)	4725
	Width (mm)	1862
	Height (mm)	190

- Direct engine driven.
- Specially designed for tropical climate.
- Suitable for buses.



ACR COOL AB42

AIR CONDITIONING UNITS



Model	ACR Cool B42 Power	
Structure	Roof Top Model MONOBLOCK with Power Pack	
Applicable for bus (m)	14-16 m / Up to 80 passengers	
Cooling Capacity (W)	42.000	
Refrigerant	R134a	
Compressor & Engine (Power Pack)	Bock FK40/655K / ISUZU 4J	
Power Consumption	24V	70A
Condenser	Qty of Condenser Fan	6
	Air Flow	10800 m ³ /h
Evaporator	Qty of Evaporator Blower	8
	Air Flow	7200 m ³ /h
Dimensions	Length (mm)	4050
	Width (mm)	1860
	Height (mm)	232
Weight	190 Kg	

- Compressor & Engine (Power Pack)
- Specially designed for tropical climate.
- Suitable for buses.



ACR COOL AB43

AIR CONDITIONING UNITS



Model	ACR Cool B43	
Structure	Roof Top Model MONOBLOCK	
Applicable for bus (m)	12-13.5	
Cooling Capacity (W)	43.000	
Refrigerant	R134a	
Compressor	Bock BOCK FKX40/655K or BITZER 4NFCY (Optio-	
Power Consumption	24V	85A
Condenser	Qty of Condenser Fan	4 - Long life
	Air Flow	9000 m ³ /h
Evaporator	Qty of Evaporator Blower	8 - Long life
	Air Flow	7200 m ³ /h
Dimensions	Length (mm)	3566
	Width (mm)	1928
	Height (mm)	275
Weight	190 Kg	

- Compressor & Engine (Power Pack)
- Specially designed for tropical climate.
- Suitable for buses.



ACR COOL AT2

AIR CONDITIONING UNITS

SPECIAL AIR CONDITIONING FOR AGRICULTURAL AND CONSTRUCTION VEHICLES



Model	ACR Cool T2	
Structure	Roof Top Model MONOBLOCK	
Voltage	12V	24V
Average current consumption	23,5A	10,5A
Cooling Capacity (W)*	6000W	
Refrigerant	R134a	
Dimensions (WxHxD)	860x 200 x 800 mm	
Weight	21,5Kg	
Air Flow (m ³ /h)	1100 m ³ /h	
Compressor	SD7H15	



- Direct engine driven.
- Specially designed for tropical climate.
- Suitable for agricultural and construction vehicles.

ACR COOL ARV30H

AIR CONDITIONING UNITS

SPECIAL AIR CONDITIONING FOR CAMPING CARS



Cooling capacity	3Kw
Heating capacity	1,8Kw
Air flow	585 m ³ /h
Voltage	230 V A/C, 50Hz
Average current consumption	10,5 A
Temperature	-5°C → 50°C
Refrigerant	R407C
Dimensions	1060 x 720 x 365mm
Weight	50Kg



- Electrical system.
- Specially designed for tropical climate.
- Suitable for buses.

HOT AND COLD AIR



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ACR COOL ARV31H

AIR CONDITIONING UNITS

SPECIAL AIR CONDITIONING FOR CAMPING CARS ROOFTOP FOR SPECIAL APPLICATIONS



Cooling capacity	3110Kw
Heating capacity	3110Kw
Air flow	425 m ³ /h - 2 Speeds
Voltage	230 V A/C, 50Hz
Average current consumption	5,3 A
Temperature	-5°C → 50°C
Refrigerant	R407C
Dimensions	1040 x 720 x 240mm
Weight	46Kg

- Electrical system.
- Specially designed for tropical climate.
- Suitable for buses.

HOT AND COLD AIR



ACR COOL ARV40H

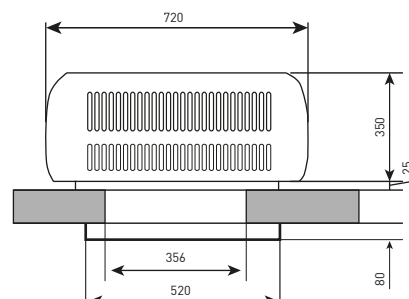
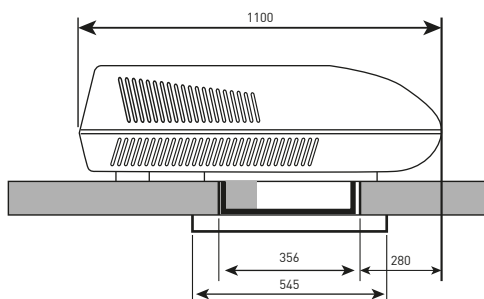
AIR CONDITIONING UNITS

SPECIAL AIR CONDITIONING FOR CAMPING CARS



Cooling capacity	4,5Kw
Heating capacity	4,2Kw
Air flow	650 m ³ /h
Voltage	230 V A/C, 50Hz
Average current consumption	14,5 A
Temperature	-5°C → 50°C
Refrigerant	R407C
Dimensions	1060 x 720 x 365mm
Weight	50Kg

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- Electrical system.
- Specially designed for tropical climate.
- Suitable for buses.

HOT AND COLD AIR



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ACR COOL ARV80H

AIR CONDITIONING UNITS

SPECIAL AIR CONDITIONING FOR CAMPING CARS



Type	Rooftop Monoblock - Electric compressor
Cooling Capacity	8000 Kw
Heating Capacity	3500 Kw
Air flow	800 m ³ /h
Voltage	230 V A/C, 50Hz - 24V DC and 12V DC
Max. Current	65 A (24V) - 100 A (12V)
Refrigerant	R134a
Dimensions	1265x 1045 x 198 mm
Weight	40 Kg



- Direct engine driven.
- Specially designed for tropical climate.
- Suitable for buses.

HOT AND COLD AIR



OUR TEAM YOUR WARRANTY



Refrigeration experts working for you

HEAD OFFICE

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