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NEW



## Bosch R32 Air Conditioning Split Solutions (Single, Large and Multi Splits)

# About the Bosch Group

## Leading global supplier

The Bosch Group is active in the fields of automotive technology, industrial technology, consumer goods, and energy and building technology. The Bosch Group has approximately 389,000 associates who generate sales of over €73.1 billion a year.

The Bosch Group comprises of Robert Bosch GmbH and has more than 440 subsidiaries and regional companies in some 60 countries. When sales and service partners are included, Bosch is represented in 150 countries worldwide.

## We are a charitable foundation

92% of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation, while the majority of voting rights are held by Robert Bosch Industrietreuhand KG, an industrial trust.

As part of the Bosch Group a percentage of the profits made is donated to charities and good causes both locally and internationally.



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Robert Bosch **Stiftung**

## Discover Bosch Commercial and Industrial

**[bosch-industrial.co.uk](http://bosch-industrial.co.uk)**

Bosch products deliver high levels of fuel efficiency, consistent performance and have a notoriously long product life.

With our extensive history and decades of experience, you can place your trust in our custom solutions from Europe's market leader in heating and hot water systems.

All our products are subject to rigorous quality testing of each and every component, to ensure efficient, reliable and consistent performance throughout their long life and are supported by an unrivalled technical support team.

From initial consultation, system design to final commissioning and on-going, whole-life support, we offer the complete package.

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## Bosch offers the best option for ensuring comfort, while caring for the environment

Our new Bosch Climate 5000 R32 split range provides high quality air conditioning which purifies the air we breathe.

The Climate range is suitable for a wide range of applications, providing a relatively low cost option for both new and retro installations in both residential and commercial properties. Climate 5000 systems are also easy to install by a qualified refrigeration engineer.



# Bosch Climate inverter air conditioning units can save up to 40% over a conventional system

## Energy efficiency of the range

The Bosch Climate range is compliant with the European ErP 2013 standard (EcoDesign Directive 2009/125/EC) governing air conditioning installations and air conditioning equipment.

## 3D DC Inverter technology and energy efficiency

Bosch Climate air conditioning units achieve a high level of energy efficiency thanks to their DC Inverter technology.

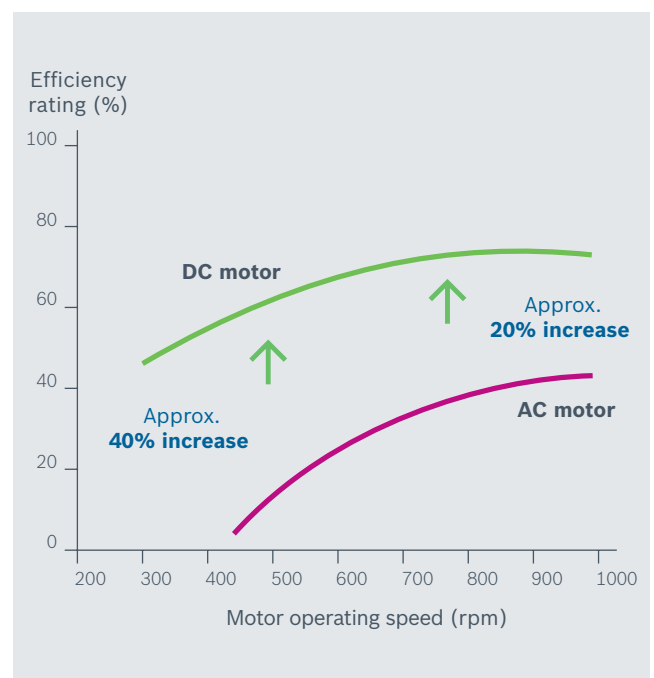
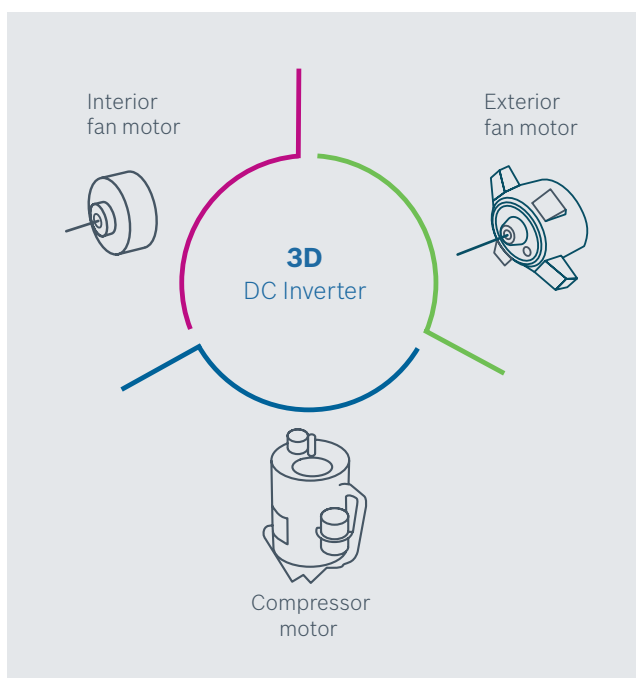
The term Inverter relates to modulation and is used in reference to units with a compressor and fan speed electronic drive that adapts the unit's ability to produce hot and cold air to meet the requirements of the property.

In addition to the compressor motor, the interior and exterior fan motors are also of the DC type and are brushless. As a result, 3D DC Inverter units are both quieter in operation and more efficient, which helps to save energy.

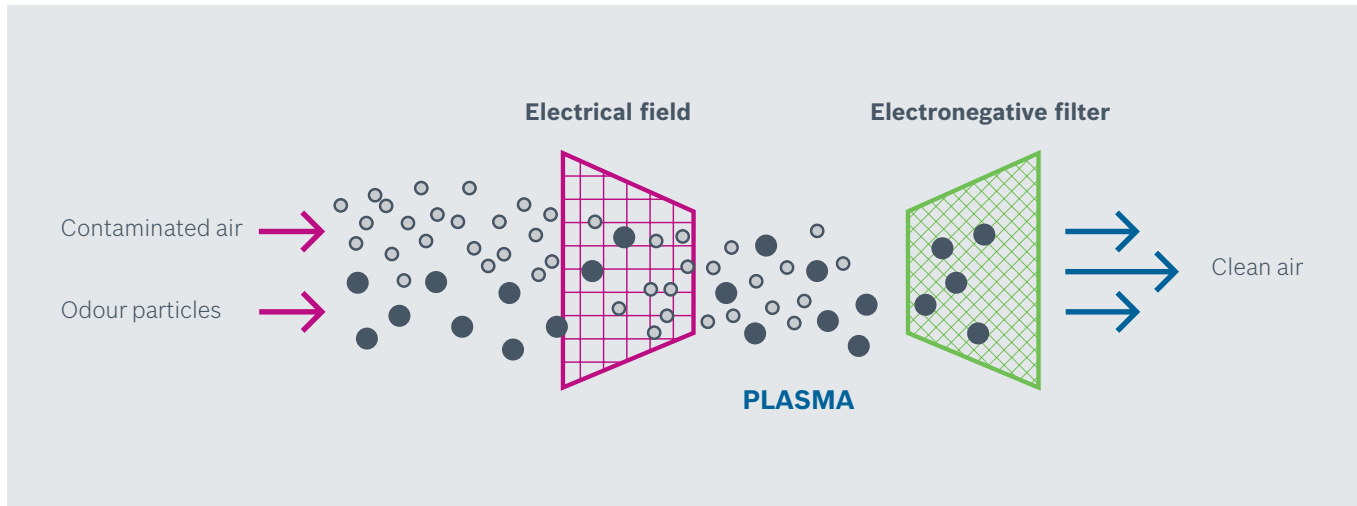
## The benefits of DC inverter technology

Inverter air conditioning units offer many advantages over those of the no inverter type:

- ▶ Rapid cooling and heating to achieve the required temperature
- ▶ Maintain a constant temperature with minimal fluctuations
- ▶ Power output adjusts to match the demand to avoid frequent compressor start-up/shut down and to increase energy efficiency
- ▶ Operate at low frequency with the highest SEER efficiency rating over the majority of the operating time which significantly reduces energy consumption
- ▶ The powerful DC inverter compressor and the exterior fan motor are used to adjust the air flow and volume, resulting in a more extensive and efficient range of operation
- ▶ There are no voltage peaks in the inverter compressor; the inverter start-up current is much lower than that of a unit without an Inverter.



# Efficient, effective and environmentally friendly



## Energy efficiency ratings of up to A++

Bosch Climate Split air conditioning units are high quality products with A++ cooling energy efficiency rating, ranking them in the most efficient rating band for high levels of energy saving.

## Cold/Heat

Ideal for providing comfort throughout the year from the same source, representing the perfect combination of technology and quality with the added benefit of a leading brand.

## Quiet and compact

Thanks to their low noise levels and pleasing aesthetics, Bosch Climate RAC units offer the best of both worlds – a light and attractive modern design plus all the benefits of a comfortable living environment.

Bosch Climate SCAC models are also quiet in operation, but their air flow is delivered by concealed ceiling mounted and cassette units.

## Multiple indoor unit options

Bosch Climate Multi Split models can connect from 2 up to 5 indoor wall mounted and cassette type units to a single outside unit, depending upon its capacity.

## Purifying filter

The anti-dust filter captures dust particles, providing a cleaner air flow and maintaining a pleasant environment. The purifying filter can eliminate up to 95% of dust particles, smoke and pollen.

## R32 refrigerant

More efficient and environment friendly with lower Global Warming Potential (GWP) and reduced fill quantity.

## Simple to install and operate

Installation is made easier using the mounting template for the interior unit. The units have various integrated functions and there is an option to use remote controls.

## Support from a leading brand

Bosch air conditioning products offer the support of the Bosch Group, a market leader in technology and innovation.





# Bosch Climate RAC 5000, SCAC and Multi Split operating modes

All Bosch Climate RAC 5000, SCAC and Multi Split air conditioning systems have five operating modes, which function according to the application and comfort requirements, resulting in the best performance and efficiency.



## **Auto mode**

The system switches automatically between heat and cold modes if the ambient temperature is respectively below or above the temperature setting value.



## **Cold mode**

The fan speed may be selected to obtain the required temperature.



## **Heat mode**

The fan speed may be selected to obtain the required temperature.



## **Ventilation mode**

The fan speed may be selected without starting up the exterior unit.

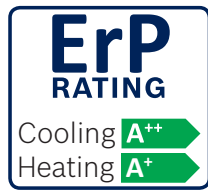


## **Dehumidifier mode**

This mode adapts the ambient humidity to the optimum level for the time of year.



# Bosch Climate 5000 RAC standard Split range



- ▶ Split 1x1 type air conditioning unit.
- ▶ 2.6kW, 3.5kW, 5.3kW and 7kW models.
- ▶ DC inverter technology.
- ▶ Environment friendly R32 refrigerant.
- ▶ Purifying filter.
- ▶ Compact and quiet.
- ▶ Remote control included.
- ▶ Timer. This function allows the programming of the unit's automatic on and off times.
- ▶ Simple to install and maintain with integral mounting.
- ▶ Refrigerant leakage detection. If the unit detects refrigerant leakage a message "EC" will appear on the indoor unit display and the air conditioner will stop operation. This function also protects the compressor against damage.
- ▶ Automatic reset. In the event of a power cut, the unit resets itself, resuming operation at the same settings as before it shut down.
- ▶ Turbo mode. This function increases ventilation speed to reach the required temperature more quickly.
- ▶ Sleep function. Controls ambient temperature during the night. Auto-modulation improves comfort.
- ▶ "Follow Me" function. By activating the "Follow Me" function, the sensor in the wireless remote controller measures the indoor temperature. This ensures that accurate room temperatures are maintained.
- ▶ Self-cleaning. The indoor unit continues running in a special combination mode after the unit is switched off to blow and dry the evaporator, keeping it clean and in optimum working order.
- ▶ Self-diagnosis and safety. In the event of failure in operation the unit automatically turns off and displays a relevant error code. This makes fault diagnosis and repair straightforward.
- ▶ Silent mode. When the silent mode is activated, the compressor will operate at low frequency and the indoor unit will produce a faint breeze which will reduce noise to the lowest level of 20 dBA and create a quiet and comfortable room. Due to the low frequency operation of the compressor this may result in insufficient cooling and heating capacity.
- ▶ Temperature compensation.



# Technical data

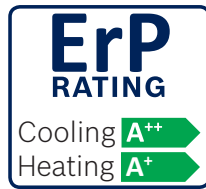
|                           |                         |                                  |           | RAC5000 2,6-2 KIT<br>7 733 600 531 | RAC5000 3,5-2 KIT<br>7 733 600 532 | RAC 5000 5,3-2 KIT<br>7 733 600 533 | RAC5000 7-2 KIT<br>7 733 600 534  |
|---------------------------|-------------------------|----------------------------------|-----------|------------------------------------|------------------------------------|-------------------------------------|-----------------------------------|
| INDOOR UNIT               |                         |                                  |           | RAC 2.6-2 IBW<br>7 739 834 579     | RAC 3.5-2 IBW<br>7 739 834 581     | 5000 RAC 5.3-2 IBW<br>7 739 834 583 | 5000 RAC 7-2 IBW<br>7 739 834 584 |
| OUTDOOR UNIT              |                         |                                  |           | RAC 2.6-2 OUE<br>8 733 500 822     | RAC 3.5-2 OUE<br>8 733 500 823     | RAC 5.3-2 OUE<br>8 733 500 824      | RAC 7-2 OUE<br>8 733 500 825      |
| Power supply              |                         |                                  | V/Hz/Ph   | 220-240/-50/1                      | 220-240/-50/1                      | 220-240/-50/1                       | 220-240/-50/1                     |
| Maximum power consumption |                         |                                  | W         | 2150                               | 2150                               | 2950                                | 3850                              |
| Maximum operating current |                         |                                  | A         | 10                                 | 10                                 | 13.5                                | 17.5                              |
| Cooling                   | Capacity                | Nominal                          | kW        | 2.6                                | 3.5                                | 5.3                                 | 7.0                               |
|                           | Power consumption       | Nominal (min-max)                | W         | 710 (100-1240)                     | 1237 (130-1580)                    | 1539 (140-2360)                     | 2345 (160-2960)                   |
|                           | Operating current       | Nominal (min-max)                | A         | 3.1 (0.4-5.4)                      | 5.4 (0.5-6.9)                      | 6.9 (0.6-10.3)                      | 10.2 (0.7-13.3)                   |
|                           | SEER                    |                                  | W/W       | 6.2                                | 6.1                                | 7.1                                 | 6.1                               |
|                           | ErP energy class        |                                  |           | A++                                | A++                                | A++                                 | A++                               |
| Heating                   | Capacity                | Nominal                          | kW        | 2.9                                | 3.8                                | 5.6                                 | 7.3                               |
|                           | Power consumption       | Nominal (min-max)                | W         | 739 (120-1200)                     | 964 (100-1580)                     | 1480 (200-2410)                     | 2035 (260-3140)                   |
|                           | Operating current       | Nominal (min-max)                | A         | 3.2 (0.5-5.2)                      | 4.2 (0.4-6.9)                      | 6.4 (0.9-10.5)                      | 10.2 (1.1-13.3)                   |
|                           | SCOP                    |                                  | W/W       | 4.0                                | 4.0                                | 4.0                                 | 4.0                               |
|                           | ErP energy class        |                                  |           | A+                                 | A+                                 | A+                                  | A+                                |
| Indoor unit               | Dimensions              | W x D x H                        | mm        | 805x194x285                        | 805x194x285                        | 957x213x302                         | 1040x220x327                      |
|                           | Packaging               | W x D x H                        | mm        | 870x270x360                        | 870x270x360                        | 1035x295x380                        | 1120x310x405                      |
|                           | Ground                  | Net/gross                        | kg        | 7.5/9.7                            | 7.5/9.7                            | 10/13                               | 12.3/15.8                         |
|                           | Fan                     | Speed (H/M/L)                    | RPM       | 1030/850/750                       | 1130/950/750                       | 1130/900/800                        | 1150/1000/850                     |
|                           | Airflow rate            | (H/M/L)                          | m³/h      | 520/460/360                        | 600/500/360                        | 840/680/540                         | 980/817/662                       |
|                           | Sound pressure level    | (H/M/L/Night)                    | dB(A)     | 40/30/26/21                        | 40/34/26/22                        | 44/37/30/25                         | 44.5/42/34.5/28                   |
|                           | Sound power level       | High                             | dB(A)     | 53                                 | 53                                 | 55                                  | 59                                |
| Outdoor unit              | Dimensions              | W x D x H                        | mm        | 700x275x550                        | 700x275x550                        | 800x333x554                         | 845x363x702                       |
|                           | Packaging               | W x D x H                        | mm        | 815x325x615                        | 815x325x615                        | 920x390x615                         | 965x395x765                       |
|                           | Ground                  | Net/gross                        | kg        | 22.8/25.2                          | 22.7/25.2                          | 34/36.7                             | 51.5/54.5                         |
|                           | Compressor              | Type                             |           | Rotary                             | Rotary                             | Rotary                              | Rotary                            |
|                           |                         | Operating current (nominal)      | A         | 4.9                                | 4.9                                | 7.5                                 | 9.4                               |
|                           | Fan                     | Speed (H/M/L)                    | r/min     | 850/650/450                        | 850/650/450                        | 800/650/550                         | 850/700/550                       |
|                           | Airflow rate            |                                  | m³/h      | 1700                               | 1700                               | 2500                                | 3000                              |
|                           | Sound pressure level    |                                  | dB(A)     | 55.5                               | 56                                 | 56                                  | 59.5                              |
|                           | Sound power level       |                                  | dB(A)     | 61                                 | 65                                 | 61                                  | 67                                |
| Installation              | Refrigerant             | Type                             |           | R32                                | R32                                | R32                                 | R32                               |
|                           |                         | Heating potential                | GWP       | 675                                | 675                                | 675                                 | 675                               |
|                           |                         | Factory charging                 | kg        | 0.5                                | 0.5                                | 1.0                                 | 1.6                               |
|                           | Piping connections      | Liquid / Gas                     | mm (inch) | Ø6.35(1/4")/<br>Ø9.52(3/8")        | Ø6.35(1/4")/<br>Ø9.52(3/8")        | Ø6.35(1/4")/<br>Ø12.7(1/2")         | Ø9.52(3/8")/<br>Ø15.9(5/8")       |
|                           |                         | Max installation length          | m         | 25                                 | 25                                 | 30                                  | 50                                |
|                           |                         | Max level difference             | m         | 10                                 | 10                                 | 20                                  | 25                                |
|                           | Electric wiring         | Feed (to indoor unit)            | mm²       | 3x1.5                              | 3x1.5                              | 3x2.5                               | 3x2.5                             |
|                           |                         | Communication (with indoor unit) | mm²       | 5x1.5                              | 5x1.5                              | 5x1.5                               | 5x2.5                             |
|                           |                         | Protection                       | A         | 20                                 | 20                                 | 20                                  | 30                                |
|                           | Controller type         |                                  |           | Standard wireless                  |                                    |                                     |                                   |
|                           | Optimum operating range | Cooling                          | °C        | -15~50                             | -15~50                             | -15~50                              | -15~50                            |
|                           |                         | Heating                          | °C        | -15~30                             | -15~30                             | -15~30                              | -15~30                            |

Provided efficiencies calculated using the following parameters:

cooling: indoor temperature 27°C (DB) / 19°C (WB); outdoor temperature 35°C (DB) / 24°C (WB); heating: indoor temperature 20°C (DB) / 15°C (WB); outdoor temperature 7°C (DB) / 6°C (WB); Length of piping installation for combined units 7.5m. Height difference between indoor and outdoor units 0m.

Dimensions, technical data and functions may change due to product improvement. Units contain R32 fluorinated greenhouse gases.

# Bosch Climate 5000 SCAC Split concealed ceiling mounted range



- ▶ Split 1x1 type air conditioning unit.
- ▶ 5.3kW, 7kW, 10.5kW 1-phase; 14kW 3-phase available.
- ▶ DC inverter technology.
- ▶ Environment friendly R32 refrigerant.
- ▶ Purifying filter.
- ▶ Compact and quiet.
- ▶ Wired control included.
- ▶ Timer.
- ▶ Slim design for ease of installation in ceiling space.
- ▶ Automatic restart function. In the event of a break in the power supply, the unit restarts itself resuming operation at the same settings as it was before it shut down.
- ▶ Sleep function. Controls the ambient temperature during the night, improving comfort.
- ▶ Air inlet from the bottom or rear of the unit.
- ▶ Three speed fan (Hi, Mi and Lo) for optimum comfort.
- ▶ Drain pump.
- ▶ Refrigerant leakage detection. If the unit detects refrigerant leakage a message "EC" will appear on the indoor unit display and the air conditioner will stop operation. This function also protects the compressor against damage.

# Technical data

|                                          |                         |                                  |           | SCAC CLIMATE 5000<br>18-2 DUCT KIT<br>7 733 600 526 | SCAC CLIMATE 5000<br>24-2 DUCT KIT<br>7 733 600 527 | SCAC CLIMATE 5000<br>36-2 1-PHASE DUCT KIT<br>7 733 600 528 | SCAC CLIMATE 5000<br>48-2 3-PHASE DUCT KIT<br>7 733 600 530 |
|------------------------------------------|-------------------------|----------------------------------|-----------|-----------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| INDOOR UNIT                              |                         |                                  |           | MS 18-2 DCT<br>7 733 700 012                        | SCI 24-2 DCT<br>7 739 835 549                       | SCI 36-2 DCT<br>7 739 835 550                               | SCI 48-2 DCT<br>7 739 837 939                               |
| OUTDOOR UNIT                             |                         |                                  |           | SCI 18 OUE<br>8 733 500 816<br>(1-PHASE)            | SCI 24 OUE<br>8 733 500 817<br>(1-PHASE)            | SCI 36 OUE<br>8 733 500 818<br>(1-PHASE)                    | SCI 48 OUE-3<br>8 733 500 820<br>(3-PHASE)                  |
| Power supply (outdoor unit)              |                         | V/Hz/Ph                          |           | 220-240/-50/1                                       | 220-240/-50/1                                       | 220-240/-50/1                                               | 380-415/-50/3#                                              |
| Maximum power consumption (outdoor unit) |                         | W                                |           | 2950                                                | 2950                                                | 4700                                                        | 6200                                                        |
| Maximum operating current (outdoor unit) |                         | A                                |           | 13.5                                                | 13.5                                                | 21.5                                                        | 11.2                                                        |
| Cooling                                  | Capacity                | Nominal                          | kW        | 5.28 (2.55-5.69)                                    | 7.03 (3.28-8.16)                                    | 10.55 (4.04-12.02)                                          | 14.07 (4.26-15.19)                                          |
|                                          | Power consumption       | Nominal (min-max)                | W         | 1633 (710-1900)                                     | 2190 (480-2850)                                     | 4000 (902-4900)                                             | 5150 (1170-5699)                                            |
|                                          | Operating current       | Nominal (min-max)                | A         | 7.2 (3.2-8.3)                                       | 9.5 (2.1-12.4)                                      | 17.5 (4.2-19.6)                                             | 8.3 (1.8-9.4)                                               |
|                                          | SEER                    |                                  | W/W       | 6.1                                                 | 6.1                                                 | 6.1                                                         | 6.1                                                         |
|                                          | ErP energy class        |                                  |           | A++                                                 | A++                                                 | A++                                                         | A++                                                         |
| Heating                                  | Capacity                | Nominal                          | kW        | 5.86 (2.20-6.15)                                    | 7.62 (2.72-8.72)                                    | 11.14 (2.81-13.19)                                          | 16.12 (3.7-18.02)                                           |
|                                          | Power consumption       | Nominal (min-max)                | W         | 1580 (740-1760)                                     | 2050 (500-2880)                                     | 3100 (800-4640)                                             | 4280 (948-5824)                                             |
|                                          | Operating current       | Nominal (min-max)                | A         | 7 (3.3-7.7)                                         | 8.9 (2.2-12.5)                                      | 12.9 (3.6-18.4)                                             | 6.8 (1.5-9.2)                                               |
|                                          | SCOP                    |                                  | W/W       | 4.0                                                 | 4.0                                                 | 4.0                                                         | 4.0                                                         |
|                                          | ErP energy class        |                                  |           | A+                                                  | A+                                                  | A+                                                          | A+                                                          |
| Indoor unit                              | Power supply            |                                  | V/Hz/Ph   | 220-240/-50/1                                       | 220-240/-50/1                                       | 220-240/-50/1                                               | 220-240/-50/1                                               |
|                                          | Dimensions              | W x D x H                        | mm        | 880x674x210                                         | 1100x774x249                                        | 1360x874x249                                                | 1200x874x300                                                |
|                                          | Packaging               | W x D x H                        | mm        | 1070x725x280                                        | 1305x805x305                                        | 1570x805x305                                                | 1405x915x355                                                |
|                                          | Ground                  | Net/gross                        | kg        | 24.3/29.6                                           | 31.5/38.9                                           | 40.5/48.5                                                   | 47.6/55.8                                                   |
|                                          | Airflow rate            | (H/M/L)                          | m³/h      | 880/650/350                                         | 1248/1054/839                                       | 1400/1150/750                                               | 2400/2040/1680                                              |
|                                          | Sound pressure level    | (H/M/L)                          | dB(A)     | 41.5/38/33                                          | 42/40/38                                            | 47/43/40                                                    | 51/50/48                                                    |
|                                          | Sound power level       | High                             | dB(A)     | 59                                                  | 62                                                  | 63                                                          | 68                                                          |
| Outdoor unit                             | Dimensions              | W x D x H                        | mm        | 800x333x554                                         | 845x363x702                                         | 946x410x810                                                 | 952x415x1333                                                |
|                                          | Packaging               | W x D x H                        | mm        | 920x390x615                                         | 965x395x765                                         | 1090x500x875                                                | 1095x495x1480                                               |
|                                          | Ground                  | Net/gross                        | kg        | 33.7/36.6                                           | 66.8/72.6                                           | 66.8/73.4                                                   | 106.7/119.9                                                 |
|                                          | Compressor              | Type                             |           | Rotary                                              | Rotary                                              | Rotary                                                      | Rotary                                                      |
|                                          |                         | Operating current (nominal)      | A         | 7.50                                                | 9.4                                                 | 5.38                                                        | 7                                                           |
|                                          | Airflow rate            |                                  | m³/h      | 2000                                                | 2700                                                | 4000                                                        | 7500                                                        |
|                                          | Sound pressure level    |                                  | dB(A)     | 55                                                  | 62                                                  | 65                                                          | 66                                                          |
|                                          | Sound power level       |                                  | dB(A)     | 62                                                  | 65                                                  | 67                                                          | 72                                                          |
| Installation                             | Refrigerant             | Type                             |           | R32                                                 | R32                                                 | R32                                                         | R32                                                         |
|                                          |                         | Heating potential                | GWP       | 675                                                 | 675                                                 | 675                                                         | 675                                                         |
|                                          |                         | Factory charging                 | kg        | 1.35                                                | 1.5                                                 | 2.4                                                         | 2.8                                                         |
|                                          | Piping connections      | Liquid / Gas                     | mm (inch) | 6.35/12.7 (1/4"/1/2")                               | Ø9.52/Ø15.9 (3/8"/5/8")                             | Ø9.52/Ø15.9 (3/8"/5/8")                                     | Ø9.52/Ø15.9 (3/8"/5/8")                                     |
|                                          |                         | Max. installation length         | m         | 30                                                  | 50                                                  | 65                                                          | 65                                                          |
|                                          |                         | Max level difference             | m         | 20                                                  | 25                                                  | 30                                                          | 30                                                          |
|                                          | Drain pipe diameter     | Outdoor                          | mm        | Ø25                                                 | Ø25                                                 | Ø25                                                         | Ø25                                                         |
|                                          | Electric wiring         | Feed (to indoor unit)            | mm²       | 3 core 2.5mm                                        |                                                     |                                                             |                                                             |
|                                          |                         | Communication (with indoor unit) | mm²       | 3 core 1mm screened                                 |                                                     |                                                             |                                                             |
|                                          |                         | Protection                       | A         | See installation manual                             |                                                     |                                                             |                                                             |
|                                          | Controller type         |                                  |           | Wired                                               |                                                     |                                                             |                                                             |
|                                          | Optimum operating range | Cooling                          | °C        | -15-50                                              | -15-50                                              | -15-50                                                      | -15-50                                                      |
|                                          |                         | Heating                          | °C        | -15-24                                              | -15-24                                              | -15-24                                                      | -15-24                                                      |

#For phase 3.

Provided efficiencies calculated using the following parameters:

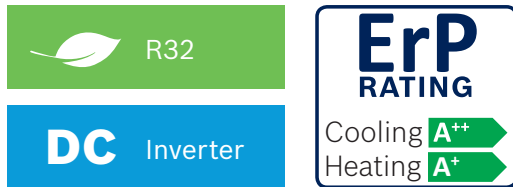
cooling: indoor temperature 27°C (DB) / 19°C (WB); outdoor temperature 35°C (DB) / 24°C (WB);

heating: indoor temperature 20°C (DB) / 15°C (WB); outdoor temperature 7°C (DB) / 6°C (WB);

Length of piping installation for combined units 7.5m. Height difference between indoor and outdoor units 0m.

Dimensions, technical data and functions may change due to product improvement. Units contain R32 fluorinated greenhouse gases.

# Bosch Climate 5000 SCAC Split cassette range



- ▶ Split 1x1 type air conditioning unit.
- ▶ 5.3kW, 7kW, 10.5kW 1-phase; 14kW 3-phase available.
- ▶ DC inverter technology.
- ▶ Environment friendly R32 refrigerant.
- ▶ Louvre position memory.
- ▶ 360° air flow panel available on size 5.3kW.  
Not available on other sizes.
- ▶ Purifying filter.
- ▶ Compact and quiet.
- ▶ Remote control included.
- ▶ Optional wired control.
- ▶ Timer.
- ▶ Automatic restart function. In the event of a break in the power supply, the unit restarts itself resuming operation at the same settings as it was before it shut down.
- ▶ Sleep function. Controls the ambient temperature during the night, improving comfort.
- ▶ Three speed fan (Hi, Mi and Lo) for optimum comfort.
- ▶ Drain pump.
- ▶ Refrigerant leakage detection. If the unit detects refrigerant leakage a message "EC" will appear on the indoor unit display and the air conditioner will stop operation. This function also protects the compressor against damage.



# Technical data

|                                          |                         |                                     |              | SCAC CLIMATE 5000<br>18 CASSETTE KIT<br>7 733 600 521      | SCAC CLIMATE 5000<br>24 CASSETTE KIT<br>7 733 600 522 | SCAC CLIMATE 5000<br>36 1-PHASE CASSETTE KIT<br>7 733 600 523 | SCAC CLIMATE 5000<br>48 3-PHASE CASSETTE KIT<br>7 733 600 525 |
|------------------------------------------|-------------------------|-------------------------------------|--------------|------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| INDOOR UNIT                              |                         |                                     |              | MS 18-1 CAS<br>7 733 700 010                               | SCI 24 CAS<br>7 739 833 673                           | SCI 36 CAS<br>7 739 833 674                                   | SCI 48 CAS<br>7 739 833 675                                   |
| OUTDOOR UNIT                             |                         |                                     |              | SCI 18 OUE<br>8 733 500 816<br>(1-PHASE)                   | SCI 24 OUE<br>8 733 500 817<br>(1-PHASE)              | SCI 36 OUE<br>8 733 500 818<br>(1-PHASE)                      | SCI 48 OUE-3<br>8 733 500 820<br>(3-PHASE)                    |
| Power supply (outdoor unit)              |                         | V/Hz/Ph                             |              | 220-240/-50/1                                              | 220-240/-50/1                                         | 220-240/-50/1                                                 | 380-415/-50/3#                                                |
| Maximum power consumption (outdoor unit) |                         | W                                   |              | 2950                                                       | 2950                                                  | 4700                                                          | 6200                                                          |
| Maximum operating current (outdoor unit) |                         | A                                   |              | 13.5                                                       | 13.5                                                  | 21.5                                                          | 11.2                                                          |
| Cooling                                  | Capacity                | Nominal<br>(min-max)                | kW           | 5.28<br>(2.90-5.74)                                        | 7.03<br>(3.22-8.21)                                   | 10.55<br>(4.04-12.02)                                         | 14.07<br>(4.75-14.58)                                         |
|                                          | Power consumption       | Nominal<br>(min-max)                | W            | 1633<br>(720-1860)                                         | 2190<br>(480-2850)                                    | 3750<br>(890-4500)                                            | 5130<br>(1174-5602)                                           |
|                                          | Operating current       | Nominal<br>(min-max)                | A            | 7.2<br>(3.2-8.2)                                           | 9.5<br>(2.1-12.4)                                     | 16.3<br>(3.9-19.6)                                            | 8.3<br>(1.8-9.3)                                              |
|                                          | SEER                    |                                     | W/W          | 6.1                                                        | 6.1                                                   | 6.1                                                           | 6.1                                                           |
|                                          | ErP energy class        |                                     |              | A++                                                        | A++                                                   | A++                                                           | A++                                                           |
| Heating                                  | Capacity                | Nominal<br>(min-max)                | kW           | 5.42<br>(2.37-6.10)                                        | 7.62<br>(2.43-8.65)                                   | 11.14<br>(2.94-13.48)                                         | 16.12<br>(3.93-16.77)                                         |
|                                          | Power consumption       | Nominal<br>(min-max)                | W            | 1460<br>(700-1930)                                         | 2050<br>(500-2880)                                    | 2993<br>(720-4450)                                            | 5050<br>(987-5378)                                            |
|                                          | Operating current       | Nominal<br>(min-max)                | A            | 6.4<br>(3.1-8.5)                                           | 8.9<br>(2.2-12.5)                                     | 13.0<br>(3.2-19.4)                                            | 8.2<br>(1.56-8.9)                                             |
|                                          | SCOP                    |                                     | W/W          | 4.0                                                        | 4.0                                                   | 4.0                                                           | 4.0                                                           |
|                                          | ErP energy class        |                                     |              | A+                                                         | A+                                                    | A+                                                            | A+                                                            |
| Indoor unit                              | Power supply            |                                     | V/Hz/Ph      | 220-240/-50/1                                              | 220-240/-50/1                                         | 220-240/-50/1                                                 | 220-240/-50/1                                                 |
|                                          | Dimensions (body)       | W x D x H                           | mm           | 570x570x260                                                | 840x840x205                                           | 840x840x245                                                   | 840x840x287                                                   |
|                                          | Packing (body)          | W x D x H                           | mm           | 662x662x317                                                | 900x900x225                                           | 900x900x265                                                   | 900x900x292                                                   |
|                                          | Ground (body)           | Net/gross                           | kg           | 16.2/21.4                                                  | 23/27                                                 | 27.5/31                                                       | 29/32.7                                                       |
|                                          | Dimensions (panel)      | W x D x H                           | mm           | 647x647x50                                                 | 950x950x55                                            | 950x950x55                                                    | 950x950x55                                                    |
|                                          | Packing (panel)         | W x D x H                           | mm           | 715x715x123                                                | 1035x1035x90                                          | 1035x1035x90                                                  | 1035x1035x90                                                  |
|                                          | Weight (panel)          | Net/gross                           | kg           | 2.5/4.5                                                    | 5/8                                                   | 5/8                                                           | 5/8                                                           |
|                                          | Fan                     | Speed (H/M/L)                       | RPM          | 752/664/576                                                | 780/600/-                                             | 910/780/600                                                   | 910/780/600                                                   |
|                                          | Airflow rate            | (H/M/L)                             | m³/h         | 720/625/540                                                | 1378/1200/1032                                        | 1775/1620/1438                                                | 1715/1568/1381                                                |
|                                          | Sound pressure level    | (H/M/L)                             | dB(A)        | 42.5/39/35.5                                               | 47/43/40                                              | 51/49/46                                                      | 52/50/49                                                      |
| Outdoor unit                             | Sound power level       | High                                | dB(A)        | 56                                                         | 59                                                    | 61                                                            | 65                                                            |
|                                          | Dimensions              | W x D x H                           | mm           | 800x333x554                                                | 845x363x702                                           | 946x410x810                                                   | 952x415x1333                                                  |
|                                          | Packaging               | W x D x H                           | mm           | 920x390x615                                                | 965x395x765                                           | 1090x500x875                                                  | 1095x495x1480                                                 |
|                                          | Ground                  | Net/gross                           | kg           | 33.7/36.6                                                  | 66.8/72.6                                             | 66.8/73.4                                                     | 106.7/119.9                                                   |
|                                          | Compressor              | Type                                |              | Rotary                                                     | Rotary                                                | Rotary                                                        | Rotary                                                        |
|                                          |                         | Operating current<br>(nominal)      | A            | 7.5                                                        | 9.40                                                  | 5.38                                                          | 7                                                             |
|                                          | Airflow rate            |                                     | m³/h         | 2000                                                       | 2700                                                  | 4000                                                          | 7500                                                          |
|                                          | Sound pressure level    |                                     | dB(A)        | 55                                                         | 62                                                    | 65                                                            | 66                                                            |
|                                          | Sound power level       |                                     | dB(A)        | 62                                                         | 65                                                    | 67                                                            | 72                                                            |
| Installation                             | Refrigerant             | Type                                |              | R32                                                        | R32                                                   | R32                                                           | R32                                                           |
|                                          |                         | Heating potential                   | GWP          | 675                                                        | 675                                                   | 675                                                           | 675                                                           |
|                                          |                         | Factory charging                    | kg           | 1.35                                                       | 1.5                                                   | 2.4                                                           | 2.8                                                           |
|                                          | Piping connections      | Liquid / Gas                        | mm<br>(inch) | Ø6.35/Ø12.7<br>(1/4"/1/2")                                 | Ø9.52/Ø15.9<br>(3/8"/5/8")                            | Ø9.52/Ø15.9<br>(3/8"/5/8")                                    | Ø9.52/Ø15.9<br>(3/8"/5/8")                                    |
|                                          |                         | Max. installation length            | m            | 30                                                         | 50                                                    | 65                                                            | 65                                                            |
|                                          |                         | Max. level difference               | m            | 20                                                         | 25                                                    | 30                                                            | 30                                                            |
|                                          | Drain pipe diameter     | Outdoor                             | mm           | Ø25                                                        | Ø32                                                   | Ø32                                                           | Ø32                                                           |
|                                          | Electric wiring         | Feed (to indoor unit)               | mm²          | 3 core 2.5mm                                               |                                                       |                                                               |                                                               |
|                                          |                         | Communication<br>(with Indoor unit) | mm²          | 3 core 1mm screened                                        |                                                       |                                                               |                                                               |
|                                          |                         | Protection                          | A            | See installation manual                                    |                                                       |                                                               |                                                               |
|                                          | Controller type         |                                     |              | Wireless as standard (wired control as optional accessory) |                                                       |                                                               |                                                               |
|                                          | Optimum operating range | Cooling                             | °C           | -15-50                                                     | -15-50                                                | -15-50                                                        | -15-50                                                        |
|                                          |                         | Heating                             | °C           | -15-24                                                     | -15-24                                                | -15-24                                                        | -15-24                                                        |

#For phase 3.

Provided efficiencies calculated using the following parameters:

cooling: indoor temperature 27°C (DB) / 19°C (WB); outdoor temperature 35°C (DB) / 24°C (WB);

heating: indoor temperature 20°C (DB) / 15°C (WB); outdoor temperature 7°C (DB) / 6°C (WB);

Length of piping installation for combined units 7.5m. Height difference between indoor and outdoor units 0m.

Dimensions, technical data and functions may change due to product improvement. Units contain R32 fluorinated greenhouse gases.

# Bosch Climate MS IBW Wall Mounted range



- ▶ 2kW, 2.6kW, 3.5kW, 5.3kW and 7kW models available.
- ▶ Stylish design.
- ▶ Compact and quiet.
- ▶ Broad operating temperature range (-15°C to 50°C).
- ▶ Improved air quality thanks to high-density and cold catalyst filters.
- ▶ User friendly. Together with numerous presetting and convenience functions such as the Silent Mode, "Follow Me" and Self-clean, automatic functions such as Modulation Temperature Control and Airflow Control make the appliance very easy to operate.
- ▶ Silent Mode. When the Silent Mode is activated the compressor will operate at low frequency and the indoor unit will produce a faint breeze which will reduce the noise to the lowest level of 20 dBA, creating a quiet and comfortable room temperature. Due to the low frequency operation of the compressor this may result in insufficient cooling and heating capacity.
- ▶ Sleep function. Controls ambient temperature during the night. Auto-modulation improves comfort.
- ▶ "Follow Me" function. By activating the "Follow Me" function, the sensor in the wireless remote controller measures the indoor temperature. This ensures that accurate room temperatures are maintained.
- ▶ Self-cleaning. The indoor unit continues running in a special combination mode after the unit is switched off to blow and dry the evaporator, keeping it clean and in optimum working order.
- ▶ Self-diagnosis and safety. In the event of failure in operation the unit automatically turns off and displays a relevant error code. This makes fault diagnosis and repair straightforward.
- ▶ Turbo mode. This function increases ventilation speed to reach the required temperature more quickly.
- ▶ Timer. The timer function automatically turns the unit on and off and helps to reduce energy costs.
- ▶ Simple to install and maintain with integral mounting.
- ▶ Refrigerant leakage detection. If the unit detects refrigerant leakage a message "EC" will appear on the indoor unit display and the air conditioner will stop operation. This function also protects the compressor against damage.
- ▶ Automatic reset. In the event of a power cut, the unit resets itself, resuming operation at the same settings as before it shut down.
- ▶ Temperature compensation.
- ▶ Remote control included.
- ▶ Suitable for family homes, apartments and commercial properties.

# Technical data

|              |                      |                   |           | 5000 MS 2.0                 | 5000 RAC 2.6                   | 5000 RAC 3.5                   | 5000 RAC 5.3                   | 5000 RAC 7.0                 |
|--------------|----------------------|-------------------|-----------|-----------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|
| INDOOR UNIT  |                      |                   |           | MS 2-2 IBW<br>8 733 501 984 | RAC 2.6-2 IBW<br>7 739 834 579 | RAC 3.5-2 IBW<br>7 739 834 581 | RAC 5.3-2 IBW<br>7 739 834 583 | RAC 7-2 IBW<br>7 739 834 584 |
| Power supply |                      |                   | V/Hz/Ph   | 220-240/-50/1               | 220-240/-50/1                  | 220-240/-50/1                  | 220-240/-50/1                  | 220-240/-50/1                |
| Cooling      | Capacity             | Nominal           | kW        | 2                           | 2.6                            | 3.5                            | 5.3                            | 7                            |
|              | Power consumption    | Nominal           | W         | 20                          | 20                             | 20                             | 31                             | 42                           |
|              | Operating current    | Nominal           | A         | 0.1                         | 0.1                            | 0.1                            | 0.15                           | 0.2                          |
| Heating      | Capacity             | Nominal           | kW        | 2.3                         | 2.9                            | 3.8                            | 5.6                            | 7.3                          |
|              | Power consumption    | Nominal (min-max) | W         | 20                          | 20                             | 20                             | 31                             | 42                           |
|              | Operating current    | Nominal (min-max) | A         | 0.1                         | 0.1                            | 0.1                            | 0.15                           | 0.2                          |
| Installation | Indoor unit          | W x D x H         | mm        | 805x194x285                 | 805x194x285                    | 805x194x285                    | 957x213x302                    | 1040x220x327                 |
|              | Packaging            | W x D x H         | mm        | 870x270x360                 | 870x270x360                    | 870x270x360                    | 1035x295x380                   | 1120x405x310                 |
|              | Weight               | Net/gross         | kg        | 7.5/9.7                     | 7.5/9.7                        | 7.5/9.7                        | 10/13                          | 12.3/15.8                    |
|              | Airflow rate         | (H/M/L)           | m³/h      | 520/460/340                 | 520/460/340                    | 600/500/360                    | 840/680/540                    | 980/817/662                  |
|              | Sound pressure level | (H/M/L)           | dB(A)     | 40/30/26                    | 40/30/26                       | 40/30/26                       | 44/37/30                       | 44.5/42/34.5                 |
|              | Sound power level    | High              | dB(A)     | 53                          | 53                             | 53                             | 55                             | 59                           |
|              | Piping connections   | Liquid / Gas      | mm (inch) | Ø6.35/Ø9.52 (1/4"/3/8")     | Ø6.35/Ø9.52 (1/4"/3/8")        | Ø6.35/Ø9.52 (1/4"/3/8")        | Ø6.35/Ø12.7 (1/4"/1/2")        | Ø9.52/Ø15.9 (3/8"/5/8")      |
|              | Controller type      |                   |           | Standard wireless           |                                |                                |                                |                              |

Provided efficiencies calculated using the following parameters:

cooling: indoor temperature 27°C (DB) / 19°C (WB); outdoor temperature 35°C (DB) / 24°C (WB)

heating: indoor temperature 20°C (DB) / 15°C (WB); outdoor temperature 7°C (DB) / 6°C (WB),

length of piping installation for combined units 7.5m, height difference between the external and internal unit 0m.

The dimensions, technical data and functions may change due to product improvement.



# Bosch Climate 5000 MS CAS

## Compact 4-Way Cassette range



- ▶ 2kW, 2.6kW, 3.5kW and 5.3kW models available.
- ▶ Louvre position memory.
- ▶ 360° air flow panel available on size 5.3kW. Not available on other sizes.
- ▶ Broad operating temperature range (-15°C to 50°C).
- ▶ Purifying filter.
- ▶ Compact and quiet.
- ▶ Automatic restart function. In the event of a break in the power supply the unit restarts itself, resuming operation at the same settings as before it shut down.
- ▶ Sleep function. Controls the ambient temperature during the night, improving comfort.
- ▶ Three speed fan (Hi, Mi and Lo) for optimum comfort.
- ▶ Built-in drain pump.
- ▶ Turbo mode. This function increases ventilation speed to reach the required temperature more quickly.
- ▶ Timer. The timer function automatically turns the unit on and off and helps to reduce energy costs.
- ▶ Refrigerant leakage detection. If the unit detects refrigerant leakage a message "EC" will appear on the indoor unit display and the air conditioner will stop operation. This function also protects the compressor against damage.
- ▶ Remote control included.
- ▶ Optional wired control available as accessory.
- ▶ Suitable for commercial properties and larger domestic properties.



# Technical data

|              |                      |              |              | MS 07 CAS                                                            | MS 09 CAS                  | MS 12 CAS                  | MS 18-1 CAS                  |
|--------------|----------------------|--------------|--------------|----------------------------------------------------------------------|----------------------------|----------------------------|------------------------------|
| INDOOR UNIT  |                      |              |              | MS 07 CAS<br>8 733 500 815                                           | MS 09 CAS<br>7 739 833 689 | MS 12 CAS<br>7 739 833 690 | MS 18-1 CAS<br>7 733 700 010 |
| Power supply |                      |              | V/Hz/Ph      | 220-240/-50/1                                                        | 220-240/-50/1              | 220-240/-50/1              | 220-240/-50/1                |
| Cooling      | Capacity             | Nominal      | kW           | 2.0                                                                  | 2.6                        | 3.5                        | 5.3                          |
|              | Power consumption    | Nominal      | W            | 40                                                                   | 40                         | 40                         | 102                          |
|              | Operating current    | Nominal      | A            | 0.18                                                                 | 0.18                       | 0.18                       | 0.44                         |
| Heating      | Capacity             | Nominal      | kW           | 2.3                                                                  | 2.9                        | 4.1                        | 5.6                          |
|              | Power consumption    | Nominal      | W            | 40                                                                   | 40                         | 40                         | 102                          |
|              | Operating current    | Nominal      | A            | 0.18                                                                 | 0.18                       | 0.18                       | 0.44                         |
| Installation | Indoor unit          | W x D x H    | mm           | 570x570x260                                                          | 570x570x260                | 570x570x260                | 570x570x260                  |
|              | Packaging            | W x D x H    | mm           | 662x662x317                                                          | 662x662x317                | 662x662x317                | 662x662x317                  |
|              | Weight               | Net/gross    | kg           | 14.5/17.3                                                            | 14.5/17.3                  | 16.2/21.4                  | 16.2/21.4                    |
|              | Airflow rate         | (H/M/L)      | m³/h         | 580/500/450                                                          | 580/500/450                | 617/504/415                | 720/625/540                  |
|              | Sound pressure level | (H/M/L)      | dB(A)        | 38/33/29                                                             | 38/33/29                   | 41/37/34                   | 43/39/36                     |
|              | Sound power level    | High         | dB(A)        | 53                                                                   | 53                         | 58                         | 56                           |
|              | Piping connections   | Liquid / Gas | mm<br>(inch) | Ø6.35/Ø9.52<br>(1/4"/3/8")                                           | Ø6.35/Ø9.52<br>(1/4"/3/8") | Ø6.35/Ø9.52<br>(1/4"/3/8") | Ø6.35/Ø12.7<br>(1/4"/1/2")   |
|              | Drain pipe diameter  | Outdoor      | mm           | ODØ25                                                                | ODØ25                      | ODØ25                      | ODØ25                        |
|              |                      |              |              | Standard wireless (optional wired controller available as accessory) |                            |                            |                              |
| Panel        | Type of model        |              |              | Cassette Panel 7/9/12/18 kBTU/h                                      |                            |                            |                              |
|              | Part number          |              |              | 7 739 834 567                                                        | 7 739 834 567              | 7 739 834 567              | 7 739 834 567                |
|              | Dimensions           | W x D x H    | mm           | 647x647x50                                                           | 647x647x50                 | 647x647x50                 | 647x647x50                   |
|              | Packaging            | W x D x H    | mm           | 715x715x123                                                          | 715x715x123                | 715x715x123                | 715x715x123                  |
|              | Weight               | Net/gross    | kg           | 2.5/4.5                                                              | 2.5/4.5                    | 2.5/4.5                    | 2.5/4.5                      |

Provided efficiencies calculated using the following parameters:

cooling: indoor temperature 27°C (DB) / 19°C (WB); outdoor temperature 35°C (DB) / 24°C (WB)

heating: indoor temperature 20°C (DB) / 15°C (WB); outdoor temperature 7°C (DB) / 6°C (WB),

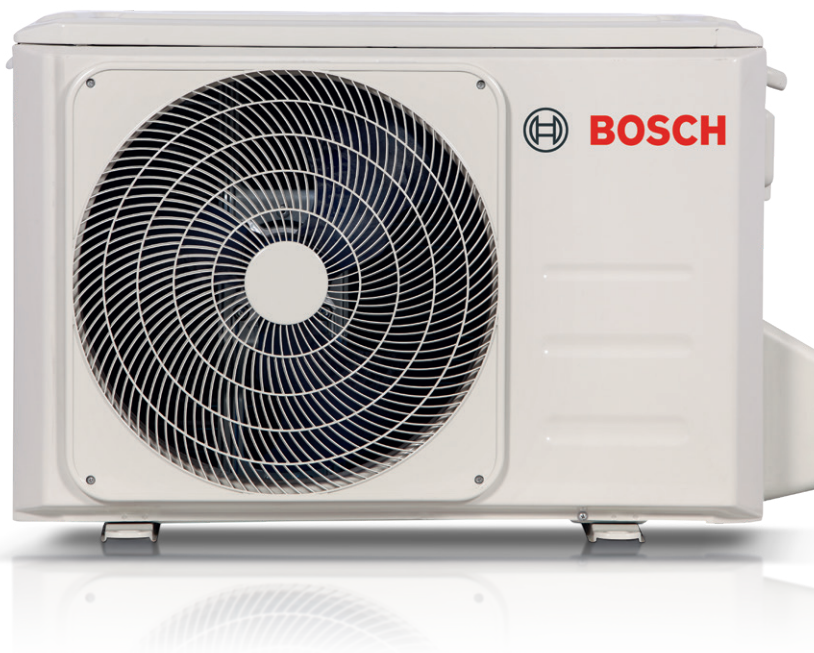
length of piping installation for combined units 7.5m, height difference between the external and internal unit 0m.

The dimensions, technical data and functions may change due to product improvement.





# Multi Split Commercial Air Conditioning Outdoor Units



- ▶ Multi split air conditioning unit.
- ▶ 5.3kW, 7.9kW, 10.5 kW and 12.3kW cooling output models.
- ▶ Can connect from 2 up to 5 indoor wall mounted and cassette type units.
- ▶ DC inverter technology enables the compressor to automatically adjust its speed to meet the current demand, ensuring that power consumption remains at a minimum.
- ▶ Environment friendly. Use of eco-friendly refrigerant R32 with lower Global Warming Potential (GWP) and reduced refrigerant fill quantity.
- ▶ Broad operating temperature range (-15°C to 50°C).
- ▶ Automatic diagnosis of installation errors.
- ▶ Compact dimensions.
- ▶ Possibility of longer distances between units.
- ▶ Refrigerant leakage detection. If the unit detects refrigerant leakage a message "EC" will appear on the indoor unit display and the air conditioner will stop operation. This function also protects the compressor against damage.
- ▶ Suitable for family homes, apartments and commercial properties.

# Technical data

|                           |                                   |                                                               |           | MS 18 OUE                                   | MS 27 OUE                                   | MS 36 OUE                                                               | MS 42 OUE                                                               |
|---------------------------|-----------------------------------|---------------------------------------------------------------|-----------|---------------------------------------------|---------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|
| OUTDOOR UNIT              |                                   |                                                               |           | MS 18 OUE<br>8 733 500 811                  | MS 27 OUE<br>8 733 500 812                  | MS 36 OUE<br>8 733 500 813                                              | MS 42 OUE<br>8 733 500 814                                              |
| INDOOR UNIT COMBINATION   |                                   |                                                               |           | RAC 2.6-2 IBW<br>7 739 834 579<br>(2 UNITS) | RAC 2.6-2 IBW<br>7 739 834 579<br>(3 UNITS) | RAC 2.6-2 IBW<br>7 739 834 579<br>(4 UNITS)                             | RAC 2.6-2 IBW<br>7 739 834 579<br>(5 UNITS)                             |
| Power supply              |                                   |                                                               | V/Hz/Ph   | 220-240/-50/1                               | 220-240/-50/1                               | 220-240/-50/1                                                           | 220-240/-50/1                                                           |
| Maximum power consumption |                                   |                                                               | W         | 2850                                        | 3100                                        | 4600                                                                    | 4700                                                                    |
| Maximum operating current |                                   |                                                               | A         | 13                                          | 15                                          | 21.5                                                                    | 22                                                                      |
| Cooling                   | Capacity                          | Nominal                                                       | kW        | 5.3                                         | 7.9                                         | 10.5                                                                    | 12.3                                                                    |
|                           | Power consumption                 | Nominal (min-max)                                             | W         | 1630 (650-2000)                             | 2440 (650-3370)                             | 3300 (710-4050)                                                         | 4320 (700-4580)                                                         |
|                           | Operating current                 | Nominal (min-max)                                             | A         | 7.1 (2.8-9.2)                               | 10.6 (3.0-13.5)                             | 15.0 (3.2-18.5)                                                         | 18.9 (3.6-21.0)                                                         |
|                           | EER                               |                                                               | W/W       | 3.24                                        | 3.24                                        | 3.23                                                                    | 2.89                                                                    |
|                           | SEER                              |                                                               | W/W       | 6.0                                         | 6.1                                         | 6.1                                                                     | 6.1                                                                     |
|                           | ErP energy class                  |                                                               |           | A+                                          | A++                                         | A++                                                                     | A++                                                                     |
| Heating                   | Capacity                          | Nominal                                                       | kW        | 5.6                                         | 8.4                                         | 10.8                                                                    | 12.3                                                                    |
|                           | Power consumption                 | Nominal (min-max)                                             | W         | 1390 (600-1670)                             | 2270 (650-3010)                             | 2760 (700-3978)                                                         | 3100 (780-4210)                                                         |
|                           | Operating current                 | Nominal (min-max)                                             | A         | 6.1 (2.6-7.7)                               | 10.0 (2.8-13.5)                             | 12.1 (3.0-16.4)                                                         | 13.5 (3.4-17.6)                                                         |
|                           | COP                               |                                                               | W/W       | 4.01                                        | 3.76                                        | 4.01                                                                    | 3.97                                                                    |
|                           | SCOP                              |                                                               | W/W       | 3.8                                         | 3.8                                         | 3.8                                                                     | 3.5                                                                     |
|                           | ErP energy class                  |                                                               |           | A                                           | A                                           | A                                                                       | A                                                                       |
| Outdoor unit              | Dimensions                        | W x D x H                                                     | mm        | 800x333x554                                 | 845x363x702                                 | 946x410x810                                                             | 946x410x810                                                             |
|                           | Packaging                         | W x D x H                                                     | mm        | 920x390x615                                 | 965x395x765                                 | 1090x500x875                                                            | 1090x500x875                                                            |
|                           | Weight                            | Net/gross                                                     | kg        | 35.5/38.5                                   | 53/56.5                                     | 68.8/75.6                                                               | 73.3/80.4                                                               |
|                           | Compressor                        | Type                                                          |           | Rotary                                      | Rotary                                      | Rotary                                                                  | Rotary                                                                  |
|                           |                                   | Operating current (nominal)                                   | A         | 7.50                                        | 9.4                                         | 5.38                                                                    | 5.38                                                                    |
|                           | Fan                               | Speed (H/M/L)                                                 | r/min     | 850/800/750                                 | 850/750/600                                 | 900/750/600                                                             | 900/750/600                                                             |
|                           | Airflow rate                      |                                                               | m³/h      | 2200                                        | 2700                                        | 4000                                                                    | 3850                                                                    |
|                           | Sound pressure level              |                                                               | dB(A)     | 56                                          | 59                                          | 63                                                                      | 64                                                                      |
|                           | Sound power level                 |                                                               | dB(A)     | 65                                          | 66                                          | 67                                                                      | 69                                                                      |
| Indoor unit               | Sound power level                 |                                                               | dB(A)     | 53                                          | 54                                          | 54                                                                      | 54                                                                      |
| Installation              | Refrigerant                       | Type                                                          |           | R32                                         | R32                                         | R32                                                                     | R32                                                                     |
|                           |                                   | Heating potential                                             | GWP       | 675                                         | 675                                         | 675                                                                     | 675                                                                     |
|                           |                                   | Factory charging                                              | kg        | 1.3                                         | 1.57                                        | 2.1                                                                     | 2.4                                                                     |
|                           | Piping connections                | Liquid / Gas                                                  | mm (inch) | 2 sets<br>Ø6.35/Ø9.52<br>(1/4"/3/8")        | 3 sets<br>Ø6.35/Ø9.52<br>(1/4"/3/8")        | 3 sets Ø6.35/Ø9.52<br>(1/4"/3/8") +<br>1 set Ø6.35/Ø12.7<br>(1/4"/1/2") | 4 sets Ø6.35/Ø9.52<br>(1/4"/3/8") +<br>1 set Ø6.35/Ø12.7<br>(1/4"/1/2") |
|                           |                                   | Max. installation length                                      | m         | 40                                          | 60                                          | 80                                                                      | 80                                                                      |
|                           |                                   | Max. level difference<br>(Max. length for one<br>indoor unit) | m         | 25                                          | 30                                          | 35                                                                      | 35                                                                      |
|                           |                                   | Max. height difference<br>between indoor and<br>outdoor unit  | m         | 15                                          | 15                                          | 15                                                                      | 15                                                                      |
|                           |                                   | Max. height difference<br>between indoor units                | m         | 10                                          | 10                                          | 10                                                                      | 10                                                                      |
|                           | Electric wiring                   | Feed (to indoor unit)                                         | mm²       | 3x2.5                                       | 3x2.5                                       | 3x4.0                                                                   | 3x4.0                                                                   |
|                           |                                   | Communication<br>(with Indoor unit)                           | mm²       | 5x1.5                                       | 5x1.5                                       | 5x1.5                                                                   | 5x1.5                                                                   |
|                           |                                   | Protection                                                    | A         | 16                                          | 20                                          | 25                                                                      | 30                                                                      |
|                           | No. of compatible<br>indoor units | (Min./max.)                                                   |           | 1/2                                         | 1/3                                         | 1/4                                                                     | 1/5                                                                     |
|                           | Optimum<br>operating range        | Cooling                                                       | °C        | -15-50                                      | -15-50                                      | -15-50                                                                  | -15-50                                                                  |
|                           |                                   | Heating                                                       | °C        | -15-24                                      | -15-24                                      | -15-24                                                                  | -15-24                                                                  |

# Multi Split Commercial Air Conditioning

## Outdoor Units – continued

### Technical data

|                           |                         |                                                           |             | MS 18 OUE                               | MS 27 OUE                               | MS 36 OUE                                                               | MS 42 OUE                                                               |
|---------------------------|-------------------------|-----------------------------------------------------------|-------------|-----------------------------------------|-----------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|
| OUTDOOR UNIT              |                         |                                                           |             | MS 18 OUE<br>8 733 500 811              | MS 27 OUE<br>8 733 500 812              | MS 36 OUE<br>8 733 500 813                                              | MS 42 OUE<br>8 733 500 814                                              |
| INDOOR UNIT COMBINATION   |                         |                                                           |             | MS 09 CAS<br>7 739 833 689<br>(2 UNITS) | MS 09 CAS<br>7 739 833 689<br>(3 UNITS) | MS 09 CAS<br>7 739 833 689<br>(4 UNITS)                                 | MS 09 CAS<br>7 739 833 689<br>(5 UNITS)                                 |
| Power supply              |                         | V/Hz/Ph                                                   |             | 220-240/-50/1                           | 220-240/-50/1                           | 220-240/-50/1                                                           | 220-240/-50/1                                                           |
| Maximum power consumption |                         | W                                                         |             | 2300                                    | 3100                                    | 4600                                                                    | 4700                                                                    |
| Maximum operating current |                         | A                                                         |             | 12                                      | 15                                      | 21.5                                                                    | 22                                                                      |
| Cooling                   | Capacity                | Nominal                                                   | kW          | 5.3                                     | 7.9                                     | 10.5                                                                    | 12.3                                                                    |
|                           | Power consumption       | Nominal (min-max)                                         | W           | 1750 (650-2000)                         | 2470 (680-3470)                         | 3600 (733-4250)                                                         | 3830 (750-4596)                                                         |
|                           | Operating current       | Nominal (min-max)                                         | A           | 8.0 (2.8-9.2)                           | 10.7 (3.0-13.6)                         | 16.5 (3.2-20.1)                                                         | 17.4 (3.4-21.4)                                                         |
|                           | EER                     |                                                           | W/W         | 3.01                                    | 3.22                                    | 2.93                                                                    | 3.21                                                                    |
|                           | SEER                    |                                                           | W/W         | 5.6                                     | 5.6                                     | 5.6                                                                     | 5.6                                                                     |
|                           | ErP energy class        |                                                           |             | A+                                      | A+                                      | A+                                                                      | A+                                                                      |
| Heating                   | Capacity                | Nominal                                                   | kW          | 5.6                                     | 8.2                                     | 10.5                                                                    | 12.3                                                                    |
|                           | Power consumption       | Nominal (min-max)                                         | W           | 1550 (600-1670)                         | 2350 (680-3150)                         | 3000 (720-4110)                                                         | 3400 (780-4480)                                                         |
|                           | Operating current       | Nominal (min-max)                                         | A           | 7.1 (2.6-7.7)                           | 10.2 (3.0-13.5)                         | 13.7 (3.4-17.2)                                                         | 15.5 (3.6-18.5)                                                         |
|                           | COP                     |                                                           | W/W         | 3.59                                    | 3.49                                    | 3.52                                                                    | 3.62                                                                    |
|                           | SCOP                    |                                                           | W/W         | 3.8                                     | 3.8                                     | 3.8                                                                     | 3.8                                                                     |
|                           | ErP energy class        |                                                           |             | A                                       | A                                       | A                                                                       | A                                                                       |
| Outdoor unit              | Dimensions              | W x D x H                                                 | mm          | 800x333x554                             | 845x363x702                             | 946x410x810                                                             | 946x410x810                                                             |
|                           | Packaging               | W x D x H                                                 | mm          | 920x390x615                             | 965x395x765                             | 1090x500x875                                                            | 1090x500x875                                                            |
|                           | Weight                  | Net/gross                                                 | kg          | 35.5/38.5                               | 53/56.5                                 | 68.8/75.6                                                               | 73.3/80.4                                                               |
|                           | Compressor              | Type                                                      |             | Rotary                                  | Rotary                                  | Rotary                                                                  | Rotary                                                                  |
|                           |                         | Operating current (nominal)                               | A           | 7.1                                     | 9.4                                     | 5.38                                                                    | 5.38                                                                    |
|                           | Fan                     | Speed (H/M/L)                                             | r/min       | 850/750/650                             | 850/750/600                             | 900/750/600                                                             | 900/750/600                                                             |
|                           | Airflow rate            |                                                           | m³/h        | 2200                                    | 2700                                    | 4000                                                                    | 3850                                                                    |
|                           | Sound pressure level    |                                                           | dB(A)       | 56                                      | 59                                      | 63                                                                      | 62                                                                      |
|                           | Sound power level       |                                                           | dB(A)       | 64                                      | 66                                      | 67                                                                      | 72                                                                      |
| Indoor unit               | Sound power level       |                                                           | dB(A)       | 53                                      | 53                                      | 53                                                                      | 53                                                                      |
| Installation              | Refrigerant             | Type                                                      |             | R32                                     | R32                                     | R32                                                                     | R32                                                                     |
|                           |                         | Heating potential                                         | GWP         | 675                                     | 675                                     | 675                                                                     | 675                                                                     |
|                           |                         | Factory charging                                          | kg          | 1.3                                     | 1.57                                    | 2.1                                                                     | 2.4                                                                     |
|                           | Piping connections      | Liquid / Gas                                              | mm (inch)   | 2 sets<br>Ø6.35/Ø9.52<br>(1/4"/3/8")    | 3 sets<br>Ø6.35/Ø9.52<br>(1/4"/3/8")    | 3 sets Ø6.35/Ø9.52<br>(1/4"/3/8") +<br>1 set Ø6.35/Ø12.7<br>(1/4"/1/2") | 4 sets Ø6.35/Ø9.52<br>(1/4"/3/8") +<br>1 set Ø6.35/Ø12.7<br>(1/4"/1/2") |
|                           |                         | Max. installation length                                  | m           | 40                                      | 60                                      | 80                                                                      | 80                                                                      |
|                           |                         | Max. level difference<br>(Max length for one indoor unit) | m           | 25                                      | 30                                      | 35                                                                      | 35                                                                      |
|                           |                         | Max. height difference<br>between indoor and outdoor unit | m           | 15                                      | 15                                      | 15                                                                      | 15                                                                      |
|                           |                         | Max. height difference<br>between indoor units            | m           | 10                                      | 10                                      | 10                                                                      | 10                                                                      |
|                           |                         | Feed (to indoor unit)                                     | mm²         | 3x2.5                                   | 3x2.5                                   | 3x4.0                                                                   | 3x4.0                                                                   |
|                           | Electric wiring         | Communication<br>(with Indoor unit)                       | mm²         | 5x1.5                                   | 5x1.5                                   | 5x1.5                                                                   | 5x1.5                                                                   |
|                           |                         | Protection                                                | A           | 16                                      | 20                                      | 25                                                                      | 30                                                                      |
|                           |                         | No. of compatible indoor units                            | (Min./max.) | 1 / 2                                   | 1 / 3                                   | 1 / 4                                                                   | 1 / 5                                                                   |
|                           | Optimum operating range | Cooling                                                   | °C          | -15-50                                  | -15-50                                  | -15-50                                                                  | -15-50                                                                  |
|                           |                         | Heating                                                   | °C          | -15-24                                  | -15-24                                  | -15-24                                                                  | -15-24                                                                  |

## Combination tables for connectable Multi Split units

**Note: All IDU capacities shown in these tables are in kBTU/h.**

- ▶ 7 kBTU/h: 2kW
- ▶ 9 kBTU/h: 2.6kW
- ▶ 12 kBTU/h: 3.5kW
- ▶ 18 kBTU/h: 5.3kW
- ▶ 24 kBTU/h: 7kW

| BOSCH CLIMATE 5000 MS 18 OUE (COOLING: 5.3kW) |                |
|-----------------------------------------------|----------------|
| 8 733 500 811                                 |                |
| 1 INDOOR UNIT                                 | 2 INDOOR UNITS |
| 7                                             | 7+7            |
| 9                                             | 7+9            |
| 12                                            | 7+12           |
| 18                                            | 9+9            |
|                                               | 9+12           |
|                                               | 12+12          |

| BOSCH CLIMATE 5000 MS 27 OUE (COOLING: 7.9kW) |                |                |
|-----------------------------------------------|----------------|----------------|
| 8 733 500 812                                 |                |                |
| 1 INDOOR UNIT                                 | 2 INDOOR UNITS | 3 INDOOR UNITS |
| 7                                             | 7+7            | 7+7+7          |
| 9                                             | 7+9            | 7+7+9          |
| 12                                            | 7+12           | 7+7+12         |
| 18                                            | 7+18           | 7+9+9          |
|                                               | 9+9            | 7+9+12         |
|                                               | 9+12           | 7+12+12        |
|                                               | 9+18           | 9+9+9          |
|                                               | 12+12          | 9+9+12         |
|                                               | 12+18          | 9+12+12        |
|                                               |                | 12+12+12       |

| BOSCH CLIMATE 5000 MS 36 OUE (COOLING: 10.5kW) |                |                |          |                |             |
|------------------------------------------------|----------------|----------------|----------|----------------|-------------|
| 8 733 500 813                                  |                |                |          |                |             |
| 1 INDOOR UNIT                                  | 2 INDOOR UNITS | 3 INDOOR UNITS |          | 4 INDOOR UNITS |             |
| 7                                              | 7+7            | 7+7+7          | 7+18+18  | 7+7+7+7        | 7+9+9+18    |
| 9                                              | 7+9            | 7+7+9          | 9+9+9    | 7+7+7+9        | 7+9+12+12   |
| 12                                             | 7+12           | 7+7+12         | 9+9+12   | 7+7+7+12       | 7+12+12+12  |
| 18                                             | 7+18           | 7+7+18         | 9+9+18   | 7+7+7+18       | 9+9+9+9     |
| 24                                             | 7+24           | 7+7+24         | 9+9+24   | 7+7+9+9        | 9+9+9+12    |
|                                                | 9+9            | 7+9+9          | 9+12+12  | 7+7+9+12       | 9+9+9+18    |
|                                                | 9+12           | 7+9+12         | 9+12+18  | 7+7+9+18       | 9+9+12+12   |
|                                                | 9+18           | 7+9+18         | 9+12+24  | 7+7+12+12      | 9+12+12+12  |
|                                                | 9+24           | 7+9+24         | 9+18+18  | 7+7+12+18      | 12+12+12+12 |
|                                                | 12+12          | 7+12+12        | 12+12+12 | 7+9+9+9        |             |
|                                                | 12+18          | 7+12+18        | 12+12+18 | 7+9+9+12       |             |
|                                                | 12+24          | 7+12+24        |          |                |             |
|                                                | 18+18          |                |          |                |             |

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