



GS

Refrigeration split type units designed for use in small to medium rooms

- › Wide versatility of installation of condensing part and evaporating part
- › Condensing part body with metallic grey finishing
- › The white color of the evaporator part blends discreetly with the walls of the cold room
- › Compressor compartment is ready to be insulated with suitable sound-absorbing material to reduce noise levels
- › Micro-channel condensers available to reduce the refrigerant charge as much as possible and ensure higher energy efficiency



Efficient, intuitive and with advanced technology

The GS series models are split type units, designed for use in small to medium rooms.

The range represents the split version of the GM monoblock and consists of 2 lines: MGS for medium temperatures (max 39m³ at Tc= +0°C, Tamb= +30°C) and BGS for low temperatures (max 41m³ at Tc= -20°C, Tamb= +30°C).

The split structure allows the assembly of evaporator and condenser separately, which ensures that the user has a choice of flexible installation, overcoming all the problems deriving from the lack of space that might prevent the mounting of the monoblock on the room wall.

The condensing unit, protected by a resistant grey finishing pre-painted sheet steel body and equipped with hermetic compressor, requires a wall installation, while the slim evaporator is positioned on the ceiling of the room.

The connection between the two units is realized thanks to pre-charged piping and electrical cables (2,5m, 5m or 10m) which allow quick installation and easy maintenance.

The GS units are equipped with an automatic electric defrosting system.

The standard equipment includes power cables and on request the kit for using the GS in an external environment including pressure switch or condenser fan speed variator.

The control and setting of the unit are simple and intuitive thanks to the electric control panel equipped with electronic control unit.

A touch screen panel facilitates the user in the unit management allowing wide possibilities of quick settings selection completing the profile of an efficient product, characterized by low life cost, reduced time of installation and advanced technology.

Standard configuration

- › Hermetic compressor
- › Power supply 220-230/1N~/50 or 380-400/3N~/50
- › Air + Axial Fan
- › Crankcase heater
- › Condenser fan pressure switch (standard MGS103÷212 and BGS110÷220 units)
- › Pressure controlled condenser fan speed regulator (standard MGS315÷320 and BGS320÷340 units)
- › Remote electronic control panel
- › Expansion through capillary tube
- › Liquid line filter
- › Drain heater on low temperature units
- › High and low pressure switches
- › Refrigerant charge



Personalization options and accessories

Power supply:

- › 220-230/1N~/50 (standard MGS103÷211 and BGS110÷218 units)
- › 380-400/3N~/50 (standard MGS212÷320 and BGS220÷340 units)
- › 220-230/1N~/60
- › 220-230/3~/50
- › 220-230/3~/60
- › 440/3~/60
- › 380-400/3N~/60
- › 110-115/1N~/60
- › 460/3~/60

Condensation type:

- › City water with pressure valve

Accessories kit:

- › Audible and visual alarm
- › Room light kit
- › Remote control panel for 2-3-4 units
- › Prearrangement for supervision system
- › Remote control panel for 2 units with alternating operation

Technical data



Medium temperature units

Code	SB.MGS103EA12XX	SB.MGS105EA12XX	SB.MGS106EA12XX	SB.MGS107EA12XX	SB.MGS110EA12XX	SB.MGS211EA12XX	SB.MGS212EB12XX	SB.MGS315EB13XX	SB.MGS320EB13XX
Refrigerant	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
Power supply [V/Ph~/Hz]	220- 230/1N~/50	220- 230/1N~/50	220- 230/1N~/50	220- 230/1N~/50	220- 230/1N~/50	220- 230/1N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	1/2	5/8	3/4	1	1,2	1,2	2,3	3	3,5
Defrost	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
PED category	0	0	0	0	0	0	0	0	0
Working temperature [°C]	+10 ÷ -5	+10 ÷ -5	+10 ÷ -5	+10 ÷ -5	+10 ÷ -5	+10 ÷ -5	+10 ÷ -5	+10 ÷ -5	+10 ÷ -5
Cooling capacity [Watt] [TC=0°C TA=30°C]	855	978	1.120	1.315	1.351	1.806	2.034	3.079	3.351

Low temperature units

Code	SB.BGS110DA12XX	SB.BGS112DA12XX	SB.BGS117DA12XX	SB.BGS218DA12XX	SB.BGS220DB12XX	SB.BGS320DB13XX	SB.BGS330DB13XX	SB.BGS340DB13XX
Refrigerant	R452A	R452A	R452A	R452A	R452A	R452A	R452A	R452A
Power supply [V/Ph~/Hz]	220- 230/1N~/50	220- 230/1N~/50	220- 230/1N~/50	220- 230/1N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	1	1,2	1,7	1,7	2	2	3	4
Defrost	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
PED category	0	0	0	0	0	0	0	2
Working temperature [°C]	-15 ÷ -25	-15 ÷ -25	-15 ÷ -25	-15 ÷ -25	-15 ÷ -25	-15 ÷ -25	-15 ÷ -25	-15 ÷ -25
Cooling capacity [Watt] [TC=-20°C TA=30°C]	679	889	1.155	1.429	1.688	2.491	2.701	3.160

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