BAXI

General catalogue

COMMERCIAL AND TECHNICAL INFORMATION

Domestic Range

March 2016
Edition

Company Profile

BAXI SPA has a proud tradition of developing and producing boilers and heating systems to the highest technological standards.
For over 30 years BAXI SPA has provided a wide range of cutting-edge solutions, anticipating market evolutions and paying attention to customer needs.

How to read this catalogue

In this catalogue we show the complete range of BAXI products.
On each page, in addition to the product benefits, there is a detailed list of the appliance characteristics, a technical chart, and coloured icons.
These icons refer to the specific pages of the technical section of the catalogue where, by segment, the technical drawings and all the specific accessories are represented.

In the technical section you will find:

- Dimensional technical drawings Graphs Flue systems
- Flue pipe accessories
- Hydraulic accessories
- Thermo-regulation accessories
- Other accessories

More details and information on the website

By accessing to the www.baxi.it, Reserved Area and then to the Tech Area, just after a quick registration it is possible to display and download the following documents:

- Certifications
- Fault Finding List
- General Catalogues
- Instructions Manuals
- PCB Service Instructions
- Spare Parts Catalogues
- Technical Drawings
- Technical INFO
- Technical presentations

Index

Gas condensing boilers

Luna Platinum+

ErP OK

Technical pages 58-94 96-101 103-104 105-107 102, 104, 108, 110

- Removable control panel for wall-hung installation with wide text display, regulation knob, menu selection buttons and back-lighting; supplied with the boiler
- Wide modulation ratio up to 1÷10: better efficiency thanks to reduced switch-on/switch-off of the boiler and noiseless operation
- Gas Adaptive Control (GAC) system: combustion automatic control to maintain constantly the highest level of efficiency
- Built-in solar control*
- High efficiency full modulating pump
- Complete soundproofing of the generator
- Frontal access for advanced diagnostics
- Ø50 mm flue pipe mod. 24 kW

Control panel
innovative removable control panel distinguished by a clear back-lighting and easiness of use, thanks to the navigation knob and two push-buttons dedicated to the set of the comfort and complete programming of the boiler.

Modulation ratio
the modulation system is able to adapt the heat output to the energy demanded by the building.

Hydraulic system

3 way electric diverter valve (also heating only models)
Stainless steel premixing burner
Stainless steel water/flue heat exchanger
Stainless steel enhanced DHW exchanger to ensure condensation also in DHW mode
Modulating fan with electronic speed adjusting system
Automatic by-pass
High efficiency full modulating pump of the heating circuit with built-in air vent
System to prevent pump and diverter valve sticking operating every 24 hours
Heating circuit relief valve set at 3 bar

Thermoregulation system

Built-in climatic regulation (outdoor sensor available as optional)
Control of multi-zones system option
Cascade installation option
Room sensor, heating circuit and sanitary timers included in the control panel

Control system

Overheat limit thermostat of the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in event of low water
Safety NTC sensor against flues overheat
Electronic temperatures control by NTC sensors
Full anti-frost device
Electronic thermometer
Digital heating circuit pressure gauge

*in case of contemporary control of a solar system and a zone by the wall-mounted control panel, it is necessary to install a programmable clip in/external module THINK.

[1] without flow restrictor
▲ Heating only models are connectable to indirect cylinders.

		Combi		Heating only▲			
		24 GA	33 GA	1.12 GA	1.18 GA	1.24 GA	1.32 GA
Product code		7219692	7219693	7219668	7219689	7219690	7219691
Maximum DHW heat input	kW	16	24	-	-	-	-
Maximum heating heat input	kW	20,6	28,9	12,4	17,4	24,7	33
Maximum DHW heat output	kW	24	33	-	-	-	-
Maximum heating heat output 80/60°C	kW	16	24	12	16,9	24	32
Maximum heating heat output 50/30°C	kW	21,8	30,6	13,1	18,4	26,1	34,9
Minimum heating heat output 80/60°C	kW	2,4	3,3	2	2,4	2,4	3,2
Minimum heating heat output 50/30°C	kW	2,6	3,6	2,2	2,2	2,6	3,5
Load profile		XL	XXL	-	-	-	-
Nominal efficiency 80/60°C	%	97,7	97,6	97,7	97,6	97,6	97,6
Nominal efficiency 50/30°C	%	105,4	105,4	105,7	105,8	105,5	105,5
Efficiency 30%	%	108,9	108,9	109	108,9	108,9	108,8
NOx class (EN 483)		5	5	5	5	5	5
Minimum working temperature	°C	-5	-5	-5	-5	-5	-5
Expansion vessel capacity/pre-charge	l/bar	8/0,8	10/0,8	8/0,8	8/0,8	8/0,8	10/0,8
Heating temperature range.	°C	25/80	25/80	25/80	25/80	25/80	25/80
DHW temperature range	°C	35/60	35/60	-	-	-	-
DHW production ΔT 25°C[1]	l/min	13,8	18,9	-	-	-	-
Minimum capacity DHW flow rate	l/min	2	2	-	-	-	-
Minimum pressure DHW circuit	bar	0,15	0,15	-	-	-	-
Maximum pressure heating circuit	bar	3	3	3	3	3	3
Maximum pressure DHW circuit	bar	8	8	-	-	-	-
Coaxial flue system Ø 60/100 max length	m	10	10	10	10	10	10
Dual flue system Ø 80 max length	m	80	80	80	80	80	80
Maximum flue mass flow rate	kg/s	0,011	0,016	0,006	0,008	0,011	0,015
Minimum flue mass flow rate	kg/s	0,001	0,002	0,001	0,001	0,001	0,002
Maximum flue temperature	°C	80	80	75	75	80	80
Dimensions (h x w x d)	mm	763 x 450 x 345					
Net weight	kg	38,5	39,5	34,5	34,5	34,5	37,5
Gas type		Natural Gas/LPG					
Power consumption	W	91	105	64	83	91	103
Grade of protection		IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D

Luna Duo-tec+

ErP OK

Technical pages 58-94 96-101 103-104 105-107 102, 104, 108, 110

- Digital control panel with back-lighted LCD display
- Wide modulation ratio up to 1÷7: better efficiency thanks to reduced switch-on/switch-off of the boiler
- Gas Adaptive Control (GAC) system: combustion automatic control to maintain constantly the highest level of efficiency
- High efficiency full modulating circulating pump
- Complete soundproofing of the generator
- Frontal access for advanced diagnostics
- Integration with solar system option
- Ø50 mm flue pipe mod. 24 kW

Diagnostics
on the control panel there is easy access for the diagnostics. With a USB connection it is possible to check single boilers or multiple boilers functions.

1:7

Modulation ratio
the modulation system is able to adapt the heat output to the energy demanded by the building.

Hydraulic system

3 way electric diverter valve
(also heating only models)
Stainless steel premixing burner
Stainless steel water/flue heat exchanger
Stainless steel enhanced DHW exchanger
to ensure condensation also in DHW mode
Modulating fan with electronic speed adjusting system
Automatic by-pass
High efficiency full modulating pump of the heating circuit with built-in air vent
System to prevent pump and diverter valve sticking operating every 24 hours
Central relief valve set at 3 bar

Thermoregulation system

Built-in climatic regulation
(outdoor sensor available as optional)
Control of multi-zones system option

Control system

Overheat limit thermostat of the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in event of low water
Safety NTC sensor against flues overheat
Electronic temperatures control by NTC sensors
Full anti-frost device
Electronic thermometer
Digital heating circuit pressure gauge

		Combi				Heating only▲		
		24 GA	28 GA	33 GA	40 GA	1.12 GA	1.24 GA	1.28 GA
Product code		7219548	7219549	7219550	7219551	7219545	7219546	7219547
Maximum DHW heat input	kW	24,7	28,9	34	41,2	-	-	-
Maximum heating heat input	kW	20,6	24,7	28,9	33	12,4	24,7	28,9
Maximum DHW heat output	kW	24	28	33	40	-	-	-
Maximum heating heat output 80/60°C	kW	20	24	28	32	12	24	28
Maximum heating heat output 50/30°C	kW	21,8	26,1	30,6	34,9	13,1	26,1	30,5
Minimum heating heat output 80/60°C	kW	3,4	3,8	4,7	5,7	2	3,4	4
Minimum heating heat output 50/30°C	kW	3,7	4,1	5,1	6,3	2,2	3,7	4,3
Load profile		XL	XL	XXL	XXL	-	-	-
Nominal efficiency 80/60°C	%	97,7	97,6	97,8	97,6	97,8	97,6	97,6
Nominal efficiency 50/30°C	%	105,8	105,8	105,8	105,8	105,8	105,7	105,7
Efficiency 30%	%	108,8	108,8	108,9	108,8	109	108,8	108,8
NOx class (EN 483)		5	5	5	5	5	5	5
Minimum working temperature	°C	-5	-5	-5	-5	-5	-5	-5
Expansion vessel capacity/pre-charge	l/bar	8/0,8	8/0,8	10/0,8	10/0,8	8/0,8	8/0,8	8/0,8
Heating temperature range.	°C	25/80	25/80	25/80	25/80	25/80	25/80	25/80
DHW temperature range	°C	35/60	35/60	35/60	35/60	35/60	35/60	35/60
DHW production ΔT 25°C [1]	l/min	13,8	16,1	18,9	22,9	-	-	-
Minimum capacity DHW flow rate	l/min	2	2	2	2	-	-	-
Minimum pressure DHW circuit	bar	0,15	0,15	0,15	0,15	-	-	-
Maximum pressure heating circuit	bar	3	3	3	3	3	3	3
Maximum pressure DHW circuit	bar	8	8	8	8	-	-	-
Coaxial flue system Ø 60/100 max length	m	10	10	10	10	10	10	10
Dual flue system Ø 80 max length	m	80	80	80	80	80	80	80
Maximum flue mass flow rate	kg/s	0,012	0,014	0,016	0,019	0,006	0,012	0,014
Minimum flue mass flow rate	kg/s	0,002	0,002	0,002	0,003	0,001	0,002	0,002
Maximum flue temperature	°C	80	80	80	80	75	80	80
Dimensions (h x w x d)	mm	763 x 450 x 345						
Net weight	kg	38,5	38,5	39,5	41	34,5	34,5	36
Gas type		Natural Gas/LPG						
Power consumption	W	85	99	106	120	72	85	90
Grade of protection		IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D

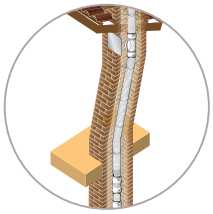
[1] without flow restrictor.
▲ Heating only models are connectable to indirect cylinders.

Technical pages 58-94 96-101 103-104 105-107 102, 104, 108, 110

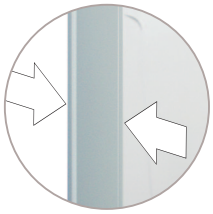
Prime

ErP OK

- Easy to use thanks to the control panel with knobs and back-lighted LCD display
- Easy to install thanks to the ultra compact dimensions (700x395x285 mm- knobs included) and to the light weight (26 kg)
- Modulation ratio 1÷5: higher efficiency and noiseless
- High efficiency circulating pump
- Integration with solar system option
- Connection to rigid and flexible Ø 50 mm flue pipe: solution for chimneys refurbishment
- Connection to collective chimneys with positive pressure
- Functioning with LGP, it can be switched to LPG and propane air mixture (no transformation kit required)



Easy replacement
of old boilers thanks to centre flue outlet and possible multiple ducting of existing chimney by means of the flexible 50mm option



Compact dimensions
Prime is ideal to be installed in narrow space thanks to its compact dimensions

Hydraulic system

3 way electric diverter valve
Stainless steel premixing burner
Stainless steel water/flue heat exchanger
Stainless steel DHW exchanger to ensure condensation also in DHW mode
Modulating fan with electronic speed adjusting system
Automatic by-pass
High efficiency pump
System to prevent pump and diverter valve sticking operating every 24 hours
Heating circuit relief valve set at 3 bar
7 lt expansion vessel

Thermoregulation system

Control of multi-zones system option
Remote controller (supplied as optional)

Control system

Overheat limit thermostat of the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in event of low water
Safety NTC sensor against flues overheat
Electronic temperatures control by NTC sensors
Full anti-frost device
Electronic thermometer
Heating circuit manometer

		Combi	
		24	28
Product code		CM00052	CM00053
Maximum DHW heat input	kW	24,7	28,9
Maximum heating heat input	kW	20,6	24,7
Maximum DHW heat output	kW	24	28
Maximum heating heat output 80/60°C	kW	20	24
Maximum heating heat output 50/30°C	kW	21,8	26,1
Minimum heating heat output 80/60°C	kW	4,8	4,8
Minimum heating heat output 50/30°C	kW	5,2	5,2
Load profile		XL	XL
Nominal efficiency 80/60°C	%	97,8	97,7
Nominal efficiency 50/30°C	%	105,8	105,8
Efficiency 30%	%	108,6	108,5
NOx class (EN 483)		5	5
Minimum working temperature	°C	-5	-5
Expansion vessel capacity/pre-charge	l/bar	7/0,8	7/0,8
Heating temperature range.	°C	25/80	25/80
DHW temperature range	°C	35/60	35/60
DHW production ΔT 25°C [1]	l/min	13,8	16,1
Minimum capacity DHW flow rate	l/min	2	2
Minimum pressure DHW circuit	bar	0,15	0,15
Maximum pressure heating circuit	bar	3	3
Maximum pressure DHW circuit	bar	8	8
Coaxial flue system Ø 60/100 max length	m	10	10
Dual flue system Ø 80 max length	m	80	80
Dual flue system Ø 50 max length	m	30	30
Maximum flue mass flow rate	kg/s	0,012	0,014
Minimum flue mass flow rate	kg/s	0,002	0,002
Maximum flue temperature	°C	80	80
Dimensions (h x w x d)	mm	700x395x279	
Net weight	kg	26	
Gas type		Natural gas/LPG/Propane air mix	
Power consumption	W	89	94
Grade of protection		IPX5D	IPX5D

[1] without flow restrictor.

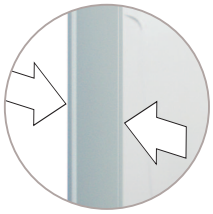
Duo-tec Compact+

ErP OK

Technical pages 58-94 96-101 103-104 105-107 102, 104, 108, 110

- Digital control panel with back-lighted wide LCD display
- Wide modulation ratio up to 1÷7: better efficiency thanks to reduced switch-on/switch-off of the boiler
- Ultra compact dimensions (700x400x299 mm)
- Gas Adaptive Control (GAC) system: combustion automatic control to maintain constantly the highest level of efficiency
- High efficiency full modulating circulating pump
- Complete soundproofing of the generator
- Integration with solar system option
- Ø50 mm flue pipe mod. 24 kW

Modulation ratio
the modulation system is able to adapt the heat output to the energy demanded by the building.



Compact dimensions
Duo-tec Compact is ideal to be installed in narrow space thanks to its compact dimensions

Hydraulic system

3 way electric diverter valve
Stainless steel premixing burner
Stainless steel water/flue heat exchanger
Stainless steel DHW exchanger
Modulating fan with electronic speed adjusting system
Automatic by-pass
High efficiency full modulating pump of the heating circuit with built-in air vent
System to prevent pump and diverter valve sticking operating every 24 hours
Central relief valve set at 3 bar

Thermoregulation system

Built-in climatic regulation (outdoor sensor available as optional)
Control of multi-zones system option

Control system

Overheat limit thermostat of the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in event of low water
Safety NTC sensor against flues overheat
Electronic temperatures control by NTC sensors
Full anti-frost device
Electronic thermometer

		Combi			Heating only▲
		20 GA	24 GA	28 GA	1.24 GA
Product code		7220175	7220176	7220177	7220174
Maximum DHW heat input	kW	19,9	24,7	28,9	-
Maximum heating heat input	kW	19,9	20,6	24,7	24,7
Maximum DHW heat output	kW	19,4	24	28	-
Maximum heating heat output 80/60°C	kW	19,4	20	24	24
Maximum heating heat output 50/30°C	kW	21,1	21,8	26,1	26,1
Minimum heating heat output 80/60°C	kW	3,4	3,4	3,8	3,4
Minimum heating heat output 50/30°C	kW	3,7	3,7	4,1	3,7
Load profile		XL	XL	XL	-
Nominal efficiency 80/60°C	%	97,7	97,7	97,6	97,6
Nominal efficiency 50/30°C	%	105,8	105,8	105,8	105,7
Efficiency 30%	%	108,8	108,8	108,8	108,8
NOx class (EN 483)		5	5	5	5
Minimum working temperature	°C	-5	-5	-5	-5
Expansion vessel capacity/pre-charge	l/bar	7/0,8	7/0,8	7/0,8	7/0,8
Heating temperature range.	°C	25/80	25/80	25/80	25/80
DHW temperature range	°C	35/60	35/60	35/60	35/60
DHW production ΔT 25°C [1]	l/min	11,4	13,8	16,1	-
Minimum capacity DHW flow rate	l/min	2	2	2	-
Minimum pressure DHW circuit	bar	0,15	0,15	0,15	-
Maximum pressure heating circuit	bar	3	3	3	3
Maximum pressure DHW circuit	bar	8	8	8	-
Coaxial flue system Ø 60/100 max length	m	10	10	10	10
Dual flue system Ø 80 max length	m	80	80	80	80
Maximum flue mass flow rate	kg/s	0,009	0,012	0,014	0,012
Minimum flue mass flow rate	kg/s	0,002	0,002	0,002	0,002
Maximum flue temperature	°C	80	80	80	80
Dimensions (h x w x d)	mm	700 x 400 x 299	700 x 400 x 299	700 x 400 x 299	700 x 400 x 299
Net weight	kg	34	34	34	30
Gas type			Natural Gas/LPG		
Power consumption	W	73	85	99	85
Grade of protection		IPx5D	IPX5D	IPX5D	IPX5D

[1] without flow restrictor.
▲Heating only models are connectable to indirect cylinders.

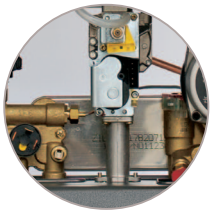
Technical pages 58-94 96-101 103-104 105-107 102, 104, 108, 110

Luna3 Avant+

ErP OK

- Digital control panel with back-lighted LCD display
- High efficiency circulating pump
- Aluminium alloy condesing post heat exchanger
- Brass hydraulic group with turbine DHW sensor for the maximum comfort
- Integration with solar system option
- Same setting of a non condesing gas boiler (the analyzer is not necessary to regulate the gas valve)
- Digital control panel with wide LCD display
- Built-in climatic regulation (outdoor sensor available as optional)

Wide LCD display
The interaction with the boiler is easier thanks to information clearly displayed in the wide LCD display and dedicated push-buttons for setting and regulation.



Hydraulic group made of brass
Luna3 Avant+ is provided with 3 way electric valve. Thanks to the flowmeter with turbine, the sanitary water is detected and gauged.

Hydraulic system

Brass hydraulic group with 3 way electric diverter valve and turbine DHW sensor
Stainless steel burner
Copper water/flue heat exchanger
Stainless steel DHW exchanger
Aluminium alloy condesing post heat exchanger
Modulating fan with electronic speed adjusting system
Automatic by-pass
High efficiency pump
System to prevent pump and diverter valve sticking operating every 24 hours
Post-circulation pump
Built-in condensate drain

Thermoregulation system

Heating temperature regulation
DHW temperature regulation
Remote controller and climatic regulator option
Built-in climatic regulation (outdoor sensor available as optional)

Control system

Overheat limit thermostat of the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in event of low water
Safety NTC sensor against flues overheat
Electronic temperatures control by NTC sensors
Full anti-frost device
Electronic thermometer
Heating circuit pressure gauge

		Combi 240 Fi
Product code		7223199
Maximum heating/DHW heat input	kW	24,8
Minimum heat input	kW	10,6
Maximum heating heat output 80/60°C	kW	24
Maximum DHW heat output	kW	24
Minimum heat output	kW	9,8
Load profile		XL
Nominal efficiency 80/60°C	%	96,8
Efficiency 30%	%	101,6
Minimum working temperature	°C	-5
Expansion vessel capacity/pre-charge	l/bar	8/0,5
Heating temperature range	°C	30/85
DHW temperature range	°C	35/60
DHW production ΔT 25°C	l/min	13,7
Minimum capacity DHW flow rate	l/min	2
Minimum pressure DHW circuit	bar	0,15
Maximum pressure heating circuit	bar	3
Maximum pressure DHW circuit	bar	8
Coaxial flue system Ø 60/100 max length	m	4
Dual flue system Ø 80 max length	m	30
Maximum flue mass flow rate	kg/s	0,014
Minimum flue mass flow rate	kg/s	0,014
Maximum flue temperature	°C	75
Dimensions (h x w x d)	mm	763 x 450 x 345
Net weight	kg	43,5
Gas type		Natural gas/LPG
Power consumption	W	122
Grade of protection		IPX5D

Duo-tec Max+

ErP OK

Technical pages 58-94 96-101 103-104 105-107 102, 104, 108, 110

- Digital control panel with back-lighted LCD display
- Mini storage tank integrated in the expansion vessel (patented by Baxi)
- Wide modulation ratio 1÷7: better efficiency thanks to reduced switch-on/switch-off of the boiler
- Gas Adaptive Control (GAC) system: combustion automatic control to maintain constantly the highest level of efficiency
- High efficiency full modulating circulating pump
- Complete soundproofing of the generator
- Frontal access for advanced diagnostics

Modulation ratio
the modulation system is able to adapt the heat output to the energy demanded by the building.

Sanitary comfort
Thanks to the mini storage tank and to the enhanced plate heat exchanger, DHW is quickly available, at a constant temperature also with different flow rates

Hydraulic system

3 way electric diverter valve
Stainless steel premixing burner
Stainless steel water/flue heat exchanger
Stainless steel enhanced DHW exchanger to ensure condensation also in DHW mode
Modulating fan with electronic speed adjusting system
Automatic by-pass
High efficiency full modulating pump of the heating circuit with built-in air vent
System to prevent pump and diverter valve sticking operating every 24 hours
Central relief valve set at 3 bar

Thermoregulation system

Built-in climatic regulation (outdoor sensor available as optional)
Control of multi-zones system option

Control system

Overheat limit thermostat of the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in event of low water
Overheat limit thermostat against flues overheat
Electronic temperatures control by NTC sensors
Safety NTC sensor against flues overheat
Full anti-frost device
Electronic thermometer
Digital heating circuit pressure gauge

		Combi with DHW integrated mini storage tank
		33 GA
Product code		7219552
Maximum DHW heat input	kW	34
Maximum heating heat input	kW	28,9
Maximum DHW heat output	kW	33
Maximum heating heat output 80/60°C	kW	28
Maximum heating heat output 50/30°C	kW	30,6
Minimum heating heat output 80/60°C	kW	4,7
Minimum heating heat output 50/30°C	kW	5,1
Load profile		XL
Nominal efficiency 80/60°C	%	97,8
Nominal efficiency 50/30°C	%	105,8
Efficiency 30%	%	108,9
NOx class (EN 483)		5
Minimum working temperature	°C	-5
Expansion vessel capacity/pre-charge	l/bar	8/0,8
Mini storage tank capacity	l	4
Heating temperature range.	°C	25/80
DHW temperature range	°C	35/60
DHW production ΔT 25°C [1]	l/min	18,9
Minimum capacity DHW flow rate	l/min	2
Minimum pressure DHW circuit	bar	0,15
Maximum pressure heating circuit	bar	3
Maximum pressure DHW circuit	bar	8
Coaxial flue system Ø 60/100 max length	m	10
Dual flue system Ø 80 max length	m	80
Maximum flue mass flow rate	kg/s	0,016
Minimum flue mass flow rate	kg/s	0,002
Maximum flue temperature	°C	80
Dimensions (h x w x d)	mm	763 x 450 x 345
Net weight	kg	39,5
Gas type		Natural Gas/LPG
Power consumption	W	106
Grade of protection		IPX5D

[1] without flow restrictor.

Nuvola Platinum+ ErP OK

Technical pages 58-94 96-101 103-104 105-107 102, 104, 108, 110

- Removable control panel for wall-hung installation with wide text display, regulation knob, menu selection buttons and back-lighting; supplied with the boiler
- Wide modulation ratio up to 1÷10: better efficiency thanks to reduced switch-on/switch-off of the boiler and noiseless operation
- Gas Adaptive Control (GAC) system: combustion automatic control to maintain constantly the highest level of efficiency
- High efficiency full modulating pump
- Stainless steel 40 lt cylinder
- High DHW performances: up to 500 lt in 30 minutes (ΔT 30°C)
- Complete soundproofing of the generator
- Frontal access for advanced diagnostics
- Ø50 mm flue pipe mod. 24 kW

Control panel
innovative removable control panel distinguished by a clear back-lighting and easiness of use, thanks to the navigation knob and two push-buttons dedicated to the set of the comfort and complete programming of the boiler.

Modulation ratio
the modulation system is able to adapt the heat output to the energy demanded by the building.

Hydraulic system

3 way electric diverter valve
Stainless steel premixing burner
Stainless steel heat exchanger
Stainless steel tank
Modulating fan with electronic speed adjusting system
Automatic by-pass
High efficiency full modulating pump of the heating circuit with built-in air vent
System to prevent pump and diverter valve sticking operating every 24 hours
Heating circuit relief valve set at 3 bar
Tank relief valve set at 8 bar
Integrated sanitary 2 litres expansion vessel
Sanitary recirculation option

Thermoregulation system

Integrated climatic regulation (outdoor sensor available as optional)
Control of multi-zones system option
Room sensor, heating circuit and sanitary timers included in the control panel

Control system

Overheat limit thermostat of the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in event of low water
Overheat limit thermostat against flues overheat
Electronic temperatures control by NTC sensors
Anti legionella function
Full anti-frost device
Electronic thermometer
Digital heating circuit pressure gauge

		Combi with DHW storage	
		24 GA	33 GA
Product code		7219698	7219699
Maximum DHW heat input	kW	24,7	34
Maximum heating heat input	kW	16,5	24,7
Maximum DHW heat output	kW	24	33
Maximum heating heat output 80/60°C	kW	16	24
Maximum heating heat output 50/30°C	kW	17,4	26,1
Minimum heating heat output 80/60°C	kW	2,4	3,3
Minimum heating heat output 50/30°C	kW	2,7	3,6
Load profile		XL	XL
Nominal efficiency 80/60°C	%	97,7	97,6
Nominal efficiency 50/30°C	%	105,4	105,4
Efficiency 30%	%	108,9	108,9
NOx class (EN 483)		5	5
Minimum working temperature	°C	-5	-5
Expansion vessel capacity/pre-charge	l/bar	7,5/0,8	7,5/0,8
Heating temperature range	°C	25/80	25/80
DHW temperature range	°C	35/60	35/60
Tank capacity	l	40	40
Tank expansion vessel capacity/pre-charge	l/bar	2/2,5	2/,25
Specific flow rate (EN 13203-1)	l/min	14,9	18,3
DHW production ΔT 25°C [1]	l/min	13,8	18,9
DHW production at discharge ΔT 30°C [1]	l/30'	385	500
Maximum pressure heating circuit	bar	3	3
Maximum pressure DHW circuit	bar	8	8
Coaxial flue system Ø 60/100 max length	m	10	10
Dual flue system Ø 80 max length	m	80	80
Maximum flue mass flow rate	kg/s	0,012	0,016
Minimum flue mass flow rate	kg/s	0,001	0,002
Maximum flue temperature	°C	80	80
Dimensions (h x w x d)	mm	950x600x466	950x600x466
Net weight	Kg	65,5	67,5
Gas type		Natural Gas	Natural Gas
Power consumption	W	91	105
Grade of protection		IPX5D	IPX5D

[1] without flow restrictor.

Nuvola Duo-tec+ ErP OK

Technical pages 58-94 96-101 103-104 105-107 102, 104, 108, 110

- Digital control panel with back-lighted LCD display
- Wide modulation ratio up to 1÷7: better efficiency thanks to reduced switch-on/switch-off of the boiler
- Gas Adaptive Control (GAC) system: combustion automatic control to maintain constantly the highest level of efficiency
- High efficiency full modulating circulating pump
- High DHW performances: up to 385 lt in 30 minutes (ΔT 30°C)
- Stainless steel 40 lt cylinder
- Frontal access for advanced diagnostics
- Ø50 mm flue pipe mod. 24 kW

Diagnostics
on the control panel there is easy access for the diagnostics.
With a USB connection it is possible to check single boilers or multiple boilers functions.

1:7

Modulation ratio
the modulation system is able to adapt the heat output to the energy demanded by the building.

Hydraulic system
3 way electric diverter valve
Stainless steel premixing burner
Stainless steel heat exchanger
Stainless steel tank
Modulating fan with electronic speed adjusting system
Automatic by-pass
High efficiency full modulating pump of the heating circuit with built-in air vent
System to prevent pump and diverter valve sticking operating every 24 hours
Central relief valve set at 3 bar
Tank relief valve set at 8 bar
Sanitary 2 litres expansion vessel available as optional
Sanitary recirculation option

Thermoregulation system
Built-in climatic regulation (outdoor sensor available as optional)
Control of multi-zones system option

Control system
Overheat limit thermostat of the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in event of low water
Overheat limit thermostat against flues overheat
Electronic temperatures control by NTC sensors
Anti legionella function
Full anti-frost device
Electronic thermometer
Digital heating circuit pressure gauge

		Combi with DHW storage	
		16 GA	24 GA
Product code		7219553	7219554
Maximum DHW heat input	kW	16,5	24,7
Maximum heating heat input	kW	12,4	20,6
Maximum DHW heat output	kW	16	24
Maximum heating heat output 80/60°C	kW	12	20
Maximum heating heat output 50/30°C	kW	13,1	21,8
Minimum heating heat output 80/60°C	kW	2,2	3,4
Minimum heating heat output 50/30°C	kW	2,4	3,7
Load profile		XL	XL
Nominal efficiency 80/60°C	%	97,8	97,7
Nominal efficiency 50/30°C	%	105,8	105,8
Efficiency 30%	%	108,8	108,8
NOx class (EN 483)		5	5
Minimum working temperature	°C	-5	-5
Expansion vessel capacity/pre-charge	l/bar	7,5/0,8	7,5/0,8
Heating temperature range	°C	25/80	25/80
DHW temperature range	°C	35/60	35/60
Tank capacity	l	40	40
Tank expansion vessel capacity/pre-charge	l/bar	2/2,5	2/2,5
Specific flow rate (EN 13203-1)	l/min	11,1	14,9
DHW production ΔT 25°C [1]	l/min	9,2	13,8
DHW production at discharge ΔT 30°C [1]	l/30'	275	385
Maximum pressure heating circuit	bar	3	3
Maximum pressure DHW circuit	bar	8	8
Coaxial flue system Ø 60/100 max length	m	10	10
Dual flue system Ø 80 max length	m	80	80
Maximum flue mass flow rate	kg/s	0,008	0,012
Minimum flue mass flow rate	kg/s	0,001	0,002
Maximum flue temperature	°C	75	80
Dimensions (h x w x d)	mm	950 x 600 x 466	950 x 600 x 466
Net weight	Kg	62	62
Gas type		Natural gas/LPG	Natural gas/LPG
Power consumption	W	76	88
Grade of protection		IPx5D	IPx5D

[1] without flow restrictor.

Technical pages 58-94 96-101 103-104 105-107 102, 104, 108, 110

Power 32

ErP OK

- Wide modulation ratio up to 1÷10: better efficiency and noiseless
- GAC (Gas Adaptive Control) system: combustion automatic control
- High efficiency full modulating circulating pump
- Vitrified enamelled stratified steel cylinder - 220 lt capacity - with coil exchanger for solar integration (mod. Solar)
- Vitrified enamelled steel cylinder - 160 lt capacity - with single coil exchanger (mod. Combi)
- Mixed system (1 high tempertature + 1 low temperature) available as optional
- Solar hydraulic group supplied with the cylinder (pump, safety valve, flow rate regulator, air vent) (mod. Solar)
- Solar expansion vessel supplied with the cylinder (mod. Solar)
- DHW expansion vessel supplied with the cylinder (mod. Combi and mod. Solar)
- Removable control panel THINK

Control panel
innovative removable control panel distinguished by a clear back-lighting and easiness of use, thanks to the navigation knob and two push-buttons dedicated to the set of the comfort and complete programming of the boiler.

Modulation ratio
the modulation system is able to adapt the heat output to the energy demanded by the building.

Hydraulic system

3 way electric diverter valve
Stainless steel premixing burner
Stainless steel heat exchanger with sound proofing composite casing
Stainless steel enhanced DHW exchanger to ensure condensation also in DHW mode
220 lt thermal stratification cylinder made of vitrified steel with solar integration through coil exchanger
Modulating fan with electronic speed adjusting system
Automatic by-pass
System to prevent pump and diverter valve sticking operating every 24 hours
Heating circuit relief valve set at 3 bar
Cylinder relief valve set at 7 bar
Circulating pump for the cylinder
Cylinder expansion vessel 8 litres
Solar expansion vessel 18 litres
Solar hydraulic group (pump, safety valve, flow rate regulator, air vent)
Thermostatic mixing valve on the DHW outlet of the cylinder
Sanitary recirculation option

Sistema di termoregolazione

Built-in solar controller (pump and two temperature sensors)
Built-in climatic regulation
Control of second low temperature zone option
Room sensor, central heating and sanitary timers included in the control panel

Sistema di controllo

Overheat limit thermostat for the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in the event of low water
Safety NTC sensor against flues overheat
Electronic temperatures control by NTC sensors
Anti-legionella function
Full anti-frost device
Thermometer of the cylinder
Heating circuit electronic thermometer
Heating circuit pressure gauge

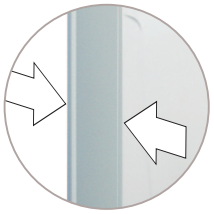
		Heating only	Combi with DHW storage	Combi with DHW storage and solar integration
		1.32	Combi 160	Solar 220
Product code		7213869	7213896	7213895
Maximum DHW heat input	kW	-	32	32
Maximum heating heat output 80/60°C	kW	32	32	32
Minimum heating heat output 80/60°C	kW	3,2	3,2	3,2
Load profile		-	XL	XL
Nominal efficiency 80/60°C	%	108,5	108,5	108,5
Nominal efficiency 50/30°C	%	97,6	97,6	97,6
Efficiency 30%	%	108	108	108
Nox class (EN 483)		5	5	5
Minimum working temperature	°C	-5	-5	-5
Expansion vessel capacity/pre-charge	l/bar	-	18/3,5	18/3,5
Solar expansion vessel capacity/pre-charge	l/bar	-	-	18/2,5
Heating temperature range	°C	20/80	20/80	20/80
DHW temperature range	°C	-	35/60	35/60
Tank capacity	l	-	160	220
DHW expansion vessel capacity/pre-charge		-	8/3,5	8/3,5
Maximum pressure heating circuit	bar	3	3	3
Maximum pressure DHW circuit	bar	10	10	10
Coaxial flue system Ø 60/100 max length	m	10	10	10
Dual flue system Ø 80 max length	m	80	80	80
Maximum flue temperature	°C	80	80	80
Dimensions (h x l x p)	mm	918x600x720	1742x600x723	2042x600x780
Net weight	kg	62	144	187
Gas type		Met./GPL	Met./GPL	Met./GPL
Grade of protection		IPX5D	IPX5D	IPX5D

Technical pages 58-94 96-101 103-104 105-107 102, 104, 108, 110

Duo-tec Compact

- Digital control panel with back-lighted wide LCD display
- Wide modulation ratio up to 1÷7: better efficiency thanks to reduced switch-on/switch-off of the boiler
- Ultra compact dimensions (700x400x299 mm)
- Gas Adaptive Control (GAC) system: combustion automatic control to maintain constantly the highest level of efficiency
- Complete soundproofing of the generator
- Integration with solar system option
- Ø50 mm flue pipe mod. 24 kW

Modulation ratio
the modulation system is able to adapt the heat output to the energy demanded by the building.



Compact dimensions
Duo-tec Compact is ideal to be installed in narrow space thanks to its compact dimensions

Hydraulic system
3 way electric diverter valve
Stainless steel premixing burner
Stainless steel water/flue heat exchanger
Stainless steel DHW exchanger
Modulating fan with electronic speed adjusting system
Automatic by-pass
Single speed low energy pump of the heating circuit with built-in air vent
System to prevent pump and diverter valve sticking operating every 24 hours
Central relief valve set at 3 bar

Thermoregulation system
Built-in climatic regulation (outdoor sensor available as optional)
Control of multi-zones system option

Control system
Overheat limit thermostat of the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in event of low water
Safety NTC sensor against flues overheat
Electronic temperatures control by NTC sensors
Full anti-frost device
Electronic thermometer

				Heating only▲
		24 GA	28 GA	1.24 GA
Product code		7220176	7220177	7220174
Maximum DHW heat input	kW	24,7	28,9	-
Maximum heating heat input	kW	20,6	24,7	24,7
Maximum DHW heat output	kW	24	28	-
Maximum heating heat output 80/60°C	kW	20	24	24
Maximum heating heat output 50/30°C	kW	21,8	26,1	26,1
Minimum heating heat output 80/60°C	kW	3,4	3,8	3,4
Minimum heating heat output 50/30°C	kW	3,7	4,1	3,7
Nominal efficiency 80/60°C	%	97,7	97,6	97,6
Nominal efficiency 50/30°C	%	105,8	105,8	105,7
Efficiency 30%	%	108,8	108,8	108,8
NOx class (EN 483)		5	5	5
Minimum working temperature	°C	-5	-5	-5
Expansion vessel capacity/pre-charge	l/bar	7/0,8	7/0,8	7/0,8
Heating temperature range.	°C	25/80	25/80	25/80
DHW temperature range	°C	35/60	35/60	35/60
DHW production ΔT 25°C(1)	l/min	13,8	16,1	-
Minimum capacity DHW flow rate	l/min	2	2	-
Minimum pressure DHW circuit	bar	0,15	0,15	-
Maximum pressure heating circuit	bar	3	3	3
Maximum pressure DHW circuit	bar	8	8	-
Coaxial flue system Ø 60/100 max length	m	10	10	10
Dual flue system Ø 80 max length	m	80	80	80
Maximum flue mass flow rate	kg/s	0,012	0,014	0,012
Minimum flue mass flow rate	kg/s	0,002	0,002	0,002
Maximum flue temperature	°C	80	80	80
Dimensions (h x w x d)	mm	700 x 400 x 299	700 x 400 x 299	700 x 400 x 299
Net weight	kg	34	34	30
Gas type			Natural Gas/LPG	
Power consumption	W	85	99	85
Grade of protection		IPX5D	IPX5D	IPX5D

(1) without flow restrictor.
▲ Heating only models are connectable to indirect cylinders.

Hybrid Systems

CSI-i

ErP OK

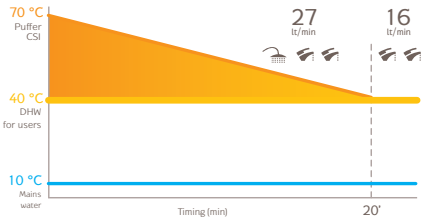
CSI-i is the compact hybrid system (including a condensing boiler, an air to water monobloc heat pump and a 300 lt puffer) as it integrates, in the complete version, all the devices for the hydraulic and electronic management of: a solar system, a heat pump, mixed zones - 2 low temperature zones (LT) (independent) and 1 high temperature zone (HT).

To meet different installation needs Luna Platinum CSI-i has been developed in 3 configurations:

- CSI-i 1 HT+ 2 LT, solar management
- CSI-i 1 HT+ 1 LT, solar management
- CSI-i 2 LT, solar management

27 litres/min
Tap water at 40°C in 20 min*

*the performance is referred to the following use conditions: cold water inlet temperature 10°C, puffer set point (upper part) 70°C



Features

- Inverter air to water monobloc heat pump
- High efficiency circulating pump
- GAC (Gas Adaptive Control) automatic combustion control
- Wide modulation ratio 1:10 higher efficiency and noiseless
- Power set: heating power output set according to design data
- 300 litres stainless steel puffer tank with graphite insulation
- Integrated electronics and hydraulic group to manage a solar thermal system also **in heating mode** (only version with solar group)
- Integrated electronics and hydraulic group to manage mixed systems for air-conditioning in summer and in winter (in the different configurations)

CSI-i					633 7224650 (1HT+2LT) 7224653 (1HT+1LT) 7224656 (2LT)	1033 7224651 (1HT+2LT) 7224654 (1HT+1LT) 7224657 (2LT)	1633 7224652 (1HT+2LT) 7224655 (1HT+1LT) 7224658 (2LT)
Condensing boiler Luna Platinum+			Air to water monobloc inverter heat pump PBM-i+ 6 PBM-i+ 10 PBM-i+ 16		PBM-i+ 6	PBM-i+ 10	PBM-i+ 16
Maximum DHW heat input	kW	34	Nominal heating capacity[1]	kW	5,85	9,23	15,7
Maximum heating heat input	kW	28,9	COP[1]		4,01	4,02	4,1
Range of DHW heat output	kW	3,3-33	Nominal cooling output[2]	kW	4,4	8,00	16,6
Range of heating heat output	kW	3,3-28	EER[2]		4,15	3,22	4
DHW production ΔT 30 °C	l/min	27	Dimensions h x w x d	mm	675x825x300	882x850x330	1418x1000x330
Load profile		XL	Class		B A++	B A+++	B A+++
Dimensions h x w x d	mm	2060x868x672					

[1] Outdoor air temperature 7°C - 87% relative humidity and flow temperature 30/35°C - EN 14511
[2] Outdoor air temperature 35°C and flow temperature 23/18°C - EN 14511

Models are made of:

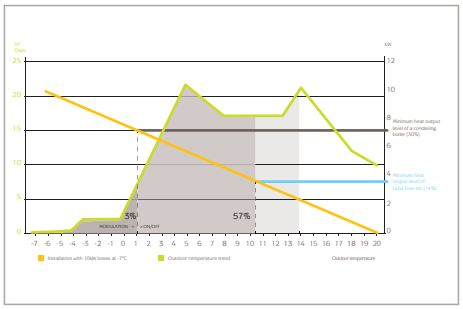
 condensing boiler Luna Platinum+ 33 GA	 outdoor sensor	 non-return valve G1" F-F with reduction G1"x3/4 M-M
 hydraulic group (it depends on the model)	 metal mesh water filter G 1"1/4	
 monobloc heat pump PBM-i+ 6 (mod. CSI-i 633) PBM-i+ 10 (mod. CSI-i 1033) PBM-i+ 16 (mod. CSI-i 1633)	 liquid flow switch with T 3/4" connection (mod. CSI-i 633) and 1" (mod. CSI-i 1033)	

Accessories (they can be combined with PBM-i+ 6, PBM-i+ 10 and PBM-i+ 16)

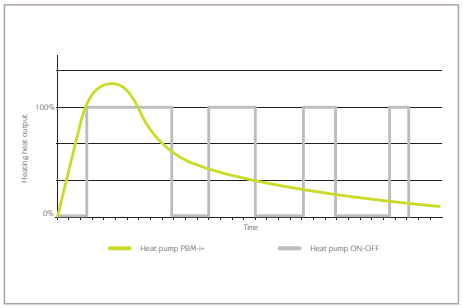
Remote control THINK (support included)	7102442
Room hygrostat with fixed regulation	7108085
Adjustable room hygrostat	7108086
Room humidity sensor	7108130
Room thermostat (heating and cooling)	7108088
Vibration dampers	LNP 71004010
Metal template CSI-i	7109171

CSI-i IN

ErP OK



The on-off cycles are reduced thanks to the1:7 modulation ratio.
Benefits:
- Better efficiency of the boiler
- Saving for the user



The PBM-i+ is able to adapt the heat output to the demand of the building, limiting the on and off phases and operating for the most part of the time with a reduced output, where the COP is higher.

Features

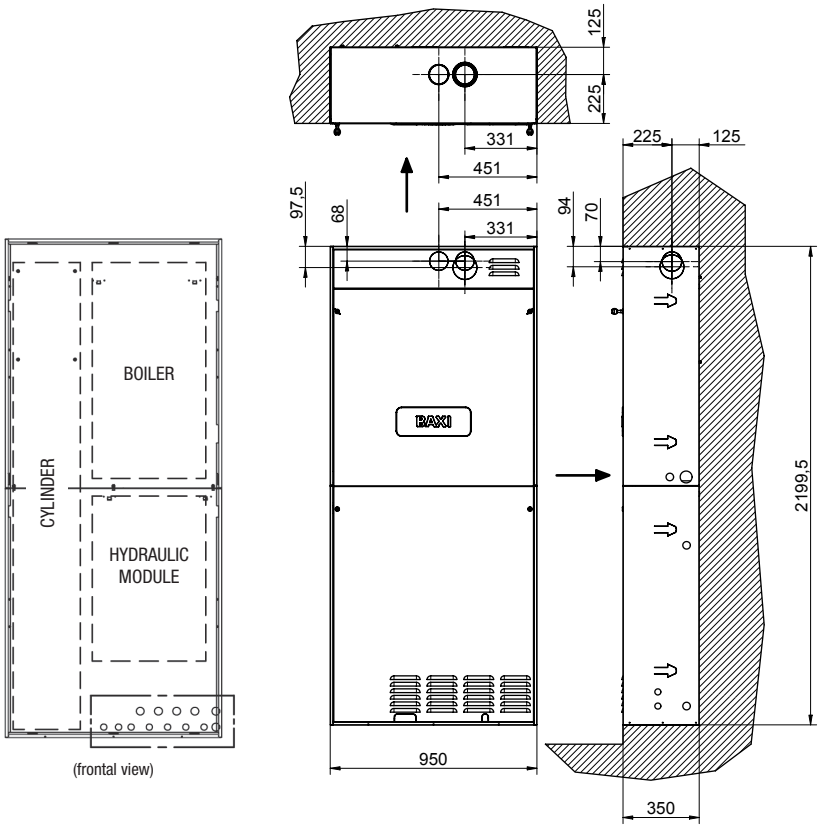
- Inverter air to water monobloc heat pump
- High efficiency circulating pump
- GAC (Gas Adaptive Control) automatic combustion control
- Wide modulation ratio 1:7 higher efficiency and noiseless
- Power set: heating power output set according to design data
- 150 litres stainless steel puffer tank with graphite insulation
- Automatic system charging
- Minimum working temperature: -15°C
- Remote control panel with back-lighted LCD display
- Technical cabinet available

CSI-i IN					624 7224665	1024 7224666
Condensing boiler Luna Duo-tec IN+			Air to water monobloc inverter heat pump PBM-i+ 6 PBM-i+ 10		PBM-i+ 6	PBM-i+ 10
Maximum DHW heat input	kW	24,7	Nominal heating capacity[1]	kW	5,85	9,23
Maximum heating heat input	kW	20,6	COP[1]		4,01	4,02
Range of DHW heat output	kW	24	Nominal cooling output[2]	kW	4,4	8,00
Range of heating heat output	kW	20	EER[2]		4,15	3,22
DHW production ΔT 25 °C	l/min	13,8	Dimensions h x w x d	mm	675x825x300	882x850x330
Load profile		XL	Class		A A++	A A+++
Dimensions h x w x d	mm	2200x950x350				

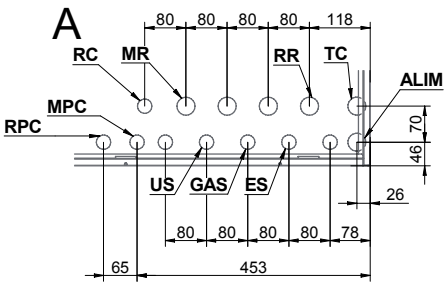
(1) Outdoor air temperature 7°C - 87% relative humidity and flow temperature 30/35°C - EN 14511
(2) Outdoor air temperature 35°C and flow temperature 23/18°C - EN 14511

Models are made of:

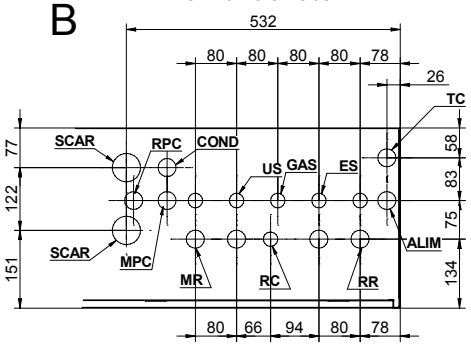
condensing boiler Duo-tec IN+ 24 GA	Stainless steel boiler (150 lt)	Metal mesh water filter G 1"1/4
Control panel	Heat pump PBM-i+ 6 (mod. 624), PBM-i 10 (mod. 1024)	Liquid flow switch with T 3/4" connection
Hydraulic group with compensation puffer (30 lt)	Outdoor sensor	



frontal view

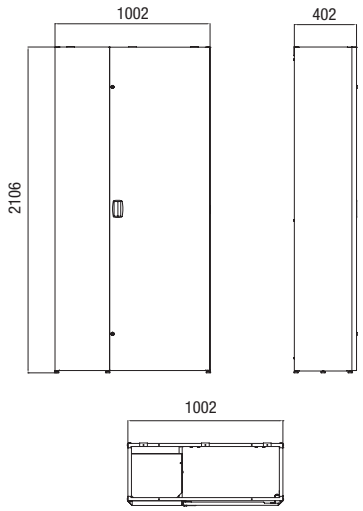


view from the inside

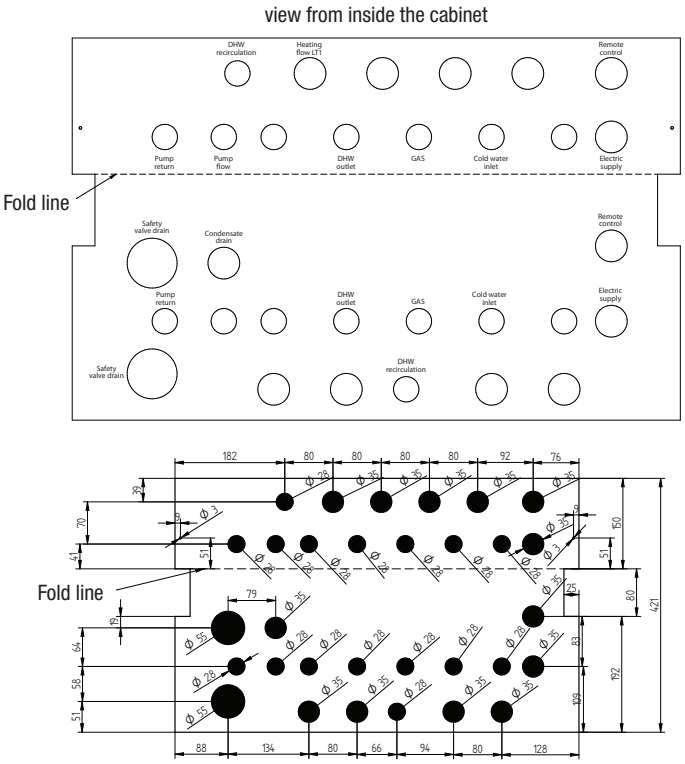


MR	Heating flow G1”
RR	Heating return G1”
MPC	Pump flow (hot water from the heat pump) G1”
RPC	Pump return (cold water to the heat pump) G1”
SCAR	Safety valve drain
ES	Cold water inlet G 1/2”
US	DHW outlet G 1/2”
ALIM	Power supply
GAS	Gas inlet G 3/4”
COND	Condensate drain
RC	DHW recirculation
TC	Remote control

Technical cabinet



view from inside the cabinet



Heat pumps

PBS-i

Inverter air-to-water split heat pumps

- Compressor with modulation from 30 to 130%, R410A gas
- Highest energy efficiency
- Heating, cooling and DHW
- Hot water up to 60°C, operation with outdoor temperature air down to -20°C
- System Manager PBS-i for connection with a boiler (H version) or equipped with electric integration (E version)
- High efficiency circulating pump, 8 l expansion vessel, flowmeter, built-in outdoor sensor
- Single-phase and three-phase powersupply

Control panel
to manage the heat pump and the system. It is able to control additional generators, DHW, FV, swimming pool...

Product code		PBS-i 4 MR H 7213845	PBS-i 6 MR H 7213846	PBS-i 8 MR H 7213847	PBS-i 11 MR H 7213848	PBS-i 16 MR H 7213849
Nominal heating capacity [1]	kW	3,94	5,73	8,26	11,39	14,65
Nominal cooling output [2]	kW	3,84	4,69	7,9	11,16	14,46
COP [1]		4,53	4,04	4,27	4,65	4,22
EER [2]		4,83	4,09	3,99	4,75	3,96

Product code		PBS-i 4 MR E 7213850	PBS-i 6 MR E 7213851	PBS-i 8 MR E 7213852	PBS-i 11 MR E 7213853	PBS-i 16 MR E 7213854
Nominal heating capacity [1]	kW	3,94	5,73	8,26	11,39	14,65
Nominal cooling output [2]	kW	3,84	4,69	7,9	11,16	14,46
COP [1]		4,53	4,04	4,27	4,65	4,22
EER [2]		4,83	4,09	3,99	4,75	3,96

[1] Outdoor air temperature 7°C - 87% U.R., water temperature 30/35°C - EN14511
[2] Outdoor air temperature 35°C, water temperature 23/18°C - EN 14511

Accessories

Room thermostat (heating only)	KHG71408691
Room thermostat (heating and cooling)	7108088
Metal mesh water filter G 1 1/4" (compulsory installation)	7112589
Adaption gas fitting from 1/4 1/2 to 3/8 5/8 (compulsory for the installation of PBS-i 4/6)	7213864
3-way valve G 1 1/4" with tank sensor for DHW	7213862
DHW tank sensor	7215528
Vibration dampers	LNP71004010
Metal template with condensate drain box for the System manager PBS-i version H (compulsory installation in case of cooling with fan coil)	7213866
Metal template with condensate drain box for the System manager PBS-i version EM (compulsory installation in case of cooling with fan coil)	7213865
Heating cable for the condensate drain box PBS-i MR (outdoor unit)	7213863

Technical pages 67

PBM-i+

Inverter air-to-water monobloc heat pumps

- Compressor with modulation from 30 to 130%, R410A gas
- Hot water up to 60°C, operation in summer with outdoor air temperature up to 43°C
- Monobloc version for ourdoor installation, with circulating pump included
- Built-in electronics for the management of 1 direct zone, mixed zone and hybrid systems
- Single-phase power 230V/50Hz

Modulation
High efficiency helical fan with modulating speed, low sound emissions, protection grid

Control panel
equipped with temperature and humidity sensor, smart design, and easy to use

		PBM-i+ 6	PBM-i+ 10	PBM-i+ 16
Product code		7223229	7223230	7223231
Nominal heating capacity [1]	kW	5,85	9,23	15,70
Nominal cooling output [2]	kW	4,40	8,00	16,60
COP [1]		4,01	4,02	4,10
EER [2]		4,15	3,22	4,00

Expansion vessel not included
[1] Outdoor ait temperature 7°C - 87% U.R., water temperature 30/35°C- EN14511
[2] Outdoor air temperature 35°C, water temperature 23/18°C - EN 14511

Accessories

Remote control panel for PBM-i+ - compulsory installation. It is possible to install another remote control panel for the second zone	722332
Air temperature outdoor sensor - compulsory installation	LNP71004016
DHW tank / puffer sensor	LNP71004017
Metal mesh water filter G 1 1/4" (PBM-i+ 6 / PBM-i+ 10) - compulsory installation	7112589
Metal mesh water filter G 1 1/2" (PBM-i+ 16) - compulsory installation	LNP71004012
Liquid flow switch with T 3/4" connection (PBM-i+ 6) - compulsory installation	7114196
Liquid flow switch with T 1" connection (PBM-i+ 10) - compulsory installation	7114197
Liquid flow switch for pipes from 1" to 8" (PBM-i+ 16) - compulsory installation	7112591
Vibration dampers	LNP71004010
3-way diverter valve G1 1/4" DHW production	LNP71004007
Outlet electric heater 3kW 230V	LNP71004001
Outlet electric heater 3kW 400V	LNP71004002
Outlet electric heater 6kW 400V	LNP71004003
Outlet electric heater 9kW 400V	LNP71004004

Gas boilers

Wall hung boilers

Non-Erp gas boilers

Wall hung boilers

Floor standing boilers

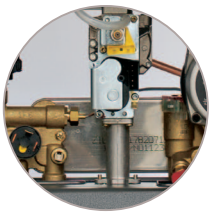
Luna3+

ErP OK

Technical pages 68-94 103-104 105 102, 104, 108, 110

- Digital control panel with wide LCD display
- High efficiency circulating pump
- Enhanced heat exchanger
- Hydraulic group with flowmeter and electric 3 way valve
- Sanitary pre-heating function
- Connection to Baxi integrated solar systems option
- Built-in climatic regulation (outdoor sensor available as optional)

Wide LCD display
The interaction with the boiler is easier thanks to information clearly displayed in the wide LCD display and dedicated push-buttons for setting and regulation.



Hydraulic group made of brass
Luna3 is provided with 3 way electric valve. Thanks to the flowmeter with turbine, the sanitary water is detected and gauged.

Hydraulic system

Steel burner
Primary exchanger made of copper pipes protected with anticorrosion coating
Stainless steel sanitary exchanger
Automatic by-pass
High efficiency pump with automatic air vent
System to prevent pump and 3 way valve sticking operating every 24 hours
Heating circuit relief valve set at 3 bar

Thermoregulation system

Two heating temperatures possible ranges: 30/85°C, 30/45°C
Remote controller and climatic regulator option
Built-in climatic regulation (outdoor sensor available as optional)

Control system

Overheat limit thermostat for the water/flue exchanger
Hydraulic pressure switch to prevent boiler's operating in event of low water
Flue thermostat to ensure safe discharge of flue products
Electronic temperatures control by NTC sensors
Full anti-frost device
Electronic thermometer
Heating circuit pressure gauge

Product code	Natural Gas	CSE	Combi Open flue 240 i 7217321
Maximum heat input		kW	26,3
Minimum heat input		kW	10,6
Maximum heat output		kW	24
Minimum heat output		kW	9,3
Load profile			XL
Maximum efficiency		%	91,2
Efficiency at 30%		%	90,29
Minimum working temperature		°C	-5
Expansion vessel/pre-charge		l/bar	8/0,5
Heating system max pressure		bar	3
Heating temperature range		°C	30/85 30/45
DHW temperature range		°C	35/60
DHW production ΔT 25°C		l/min	13,7
Minimum capacity DHW flow rate		l/min	2
Minimum pressure on DHW circuit		bar	0,15
Maximum pressure on DHW circuit		bar	8
Flue tube		Ø mm	120
Coaxial flue system Ø 60/100		m	-
Dual flue system Ø 80 max length		m	-
Maximum flue mass flow rate		kg/s	0,019
Minimum flue mass flow rate		kg/s	0,017
Maximum flue temperature		°C	110
Dimensions (h x w x d)		mm	760x450x345
Net weight		kg	33
Gas type			Natural Gas/LPG ▲
Power consumption		W	54
Grade of protection			IPX5D

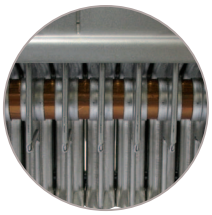
▲ For operation with LPG use the conversion kit (injectors) available as optional.

Luna3 Blue+

ErP OK

Technical pages 68-94 103-104 105 102, 104, 108, 110

- High efficiency circulating pump
- Hydraulic group with flowmeter and electric 3 way valve
- Sanitary pre-heating function
- Connection to Baxi integrated solar systems option
- Digital control panel with wide LCD display
- Built-in climatic regulation (outdoor sensor available as optional)



Low NOx burner
The burner has been designed to grant NOx emissions lower than 10mg/kWh

Combination boiler
The product combines the heating only boilers with UB SC boilers for DHW productions.

Hydraulic system

3 way electric diverter valve
Water refrigerated Low NOx burner
Primary exchanger made of copper pipes protected with anticorrosion coating
Stainless steel DHW exchanger
Automatic by-pass
High efficiency pump with automatic air vent
System to prevent pump and diverter valve sticking operating every 24 hours
Heating circuit relief valve set at 3 bar

Thermoregulation system

Two heating temperatures possible ranges: 30/85°C, 30/45°C
Built-in climatic regulation (outdoor sensor available as optional)
Remote controller and climatic regulator (supplied as optional)

Control system

Overheat limit thermostat for the water/flue exchanger
Hydraulic pressure switch to prevent boiler's operating in event of low water
Flue thermostat to ensure safe discharge of flue products
Chimney sweeper function
Electronic temperatures control by NTC sensors
Full anti-frost device
Electronic thermometer
Heating circuit pressure gauge

		Combi		Heating only with indirect cylinder	
		Open flue			
		180i	240i	1.180i / 120L	1.180i / 160L
Product code Natural Gas		7217323	7217324	7224733	7224734
Maximum heat input	%	19,4	26,3	19,4	19,4
Minimum heat input	kW	10,6	11,9	10,6	10,6
Maximum heat output	kW	17,5	24	17,5	17,5
Minimum heat output	kW	9,3	10,4	9,3	9,3
Load profile		XL	XL	XXL	XXL
Maximum efficency	%	90,3	90,3	90,3	90,3
Efficency at 30%	%	89,6	89,6	89,6	89,6
Minimum working temperature	°C	-5	-5	-5	-5
Expansion vessel/pre-charge	l/bar	8/0,5	8/0,5	8/0,5	8/0,5
Heating systen max pressure	bar	3	3	3	3
Heating system range pressure	°C	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45
DHW temperature range	°C	30/60	30/60	-	-
DHW production ΔT 25°C	l/min	10	13,7	-	-
Minimum capacity DHW flow rate	l/min	2	2	-	-
Minimum pressure on DHW circuit	bar	0,15	0,15	-	-
Maximum pressure on DHW circuit	bar	8	8	-	-
Flue tube	Ø mm	110	130	110	110
Coaxial flue system Ø 60/100	m	-	-	-	-
Dual flue system Ø 80 max length	m	-	-	-	-
Maximum flue mass flow rate	kg/s	0,015	0,021	0,015	0,015
Minimum flue mass flow rate	kg/s	0,012	0,017	0,012	0,012
Maximum flue temperature	°C	100	120	100	100
Dimensions (h x w x d)	mm	760x450x345		763x450x345 (boiler)	
Net weight	kg	31	33	29 (boiler)	29 (boiler)
Gas type		Natural Gas/LPG			
Power consumption	W	100	100	100	100
Grade of protection		IPX5D	IPX5D	IPX5D	IPX5D

▲ For operation with LPG use the conversion kit (injectors) available as optional.

Eco5 Compact+

Technical pages 68-94 103-104 105 102, 104, 108, 110

- Compact dimensions (730x400x299 mm)
- High efficiency circulating pump
- Easy access to the components thanks to the new structure and internal layout
- Compact hydraulic group with electric 3 way valve, equipped with an anti-torsion metal bar for a safe installation (Combi model)
- Full anti-frost device
- Connection to Baxi integrated solar system option

Combination boiler
The product combines the heating only boilers with UB INOX boilers for DHW productions and it includes the connection kit.

Control panel
Thanks to the control panel with push button and LCD display, you can easily select temperatures and control the diagnostics.

Hydraulic system

3 way diverter valve
Steel burner
Primary exchanger made of copper pipes protected with anticorrosion coating
Stainless steel DHW heat exchanger
Automatic by-pass
High efficiency circulating pump with automatic air vent
System to prevent pump and diverter 3 way electric valve operating every 24 hours
Heating circuit relief valve set at 3 bar

Control system

Overheat limit thermostat for the water/flue exchanger
Hydraulic pressure switch to prevent boiler's operating in event of low water
Electronic thermometer
Heating circuit pressure gauge

		Combi	Heating only with indirect cylinder
		Open flue	
		24	1.24 / 80L
Product code		7217465	7224732
Maximum heat imput	kW	26,3	26,3
Minimum heat imput	kW	10,6	10,6
Maximum heat output	kW	24	24
Minimum heat output	kW	9,3	9,3
Load profile		XL	XXL
Maximum efficiency	%	91,2	91,2
Efficency at 30%	%	89,3	89,3
Minimum working temperature	°C	-5	-5
Expansion vessel/pre-charge	l/bar	6/0,5	6/0,5
Heating system max pressure	bar	3	3
Heating temperature range	°C	30/85	30/85
DHW temperature range	°C	35/60	35/60
Specific flow according to EN 625	l/min	10,7	21
Minimum capacity DHW flow rate	l/min	13,7	-
Maximum pressure on DHW circuit	l/min	2	2
Flue tube	Ø mm	120	120
Coaxial flue system Ø 60/100	m	-	-
Dual flue system Ø 80 max length	m	-	-
Maximum flue mass flow rate	kg/s	0,02	0,02
Minimum flue mass flow rate	kg/s	0,018	0,018
Maximum flue temperature	°C	110	110
Maximum flue temperature	°C	100	100
Dimensions (hxwxd)	mm	730x400x298	730x400x298 (bolier)
Net weight	kg	27	26 (boiler)
Gas type		-	-
Power supply	w	54	54
Grade of protection	IPX5D	IPX5D	IPX5D

▲ For operation with LPG use the conversion kit (injectors) available as optional.

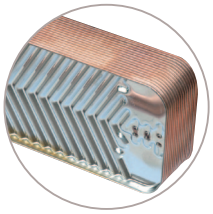
Nuvola3+

ErP OK

Technical pages 68-94 103-104 105 102, 104, 108, 110

- Up to 380 litres DHW production in 30' (ΔT 30°C)
- Vertical hydraulic connections for easier replacement of existing boilers
- 42 lt thermal dynamic stratification cylinder:
  - immediate DHW delivery thanks to 42 lt storage ready to be used at the needed temperature
  - less scale formation thanks to the DHW plates exchanger
  - high sanitary performances thanks to high efficiency of heat exchanger
- Digital control panel with wide LCD display with text and symbols clearly showed
- Built-in climatic regulation (outdoor sensor available as optional)
- High efficiency circulating pump
- Full anti-frost device

Wide LCD display
With dedicated push-buttons for programming and regulation, for a clear display of the information



Any scale formation is blocked thanks to the direct DHW exchange through the plates exchanger

Hydraulic system

Brass hydraulic group with 3 way electric diverter valve and turbine DHW sensor
Stainless steel burner
Copper water/flue heat exchanger
Stainless steel DHW exchanger
Aluminium alloy condesing post heat exchanger
Modulating fan with electronic speed adjusting system
Automatic by-pass
High efficiency pump
System to prevent pump and diverter valve sticking operating every 24 hours
Post-circulation pump
Built-in condensate drain

Thermoregulation system

Heating temperature regulation
DHW temperature regulation
Remote controller and climatic regulator option
Built-in climatic regulation (outdoor sensor available as optional)

Control system

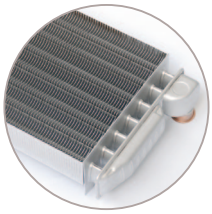
Overheat limit thermostat of the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in event of low water
Safety NTC sensor against flues overheat
Electronic temperatures control by NTC sensors
Full anti-frost device
Electronic thermometer
Heating circuit pressure gauge

Product code	Natural Gas	CSE	Combi with DHW storage 240 i 7217330
Maximum heat input		kW	27,1
Minimum heat input		kW	11,9
Maximum heat output		kW	24,4
Minimum heat output		kW	10,4
Load profile			XL
Nominal efficiency 80/60°C		%	90,2
Efficiency 30%		%	89,3
Minimum working temperature		°C	-5
Expansion vessel capacity/pre-charge		l/bar	7,5/0,5
Heating system max pressure		bar	3
Heating temperature range		°C	30/85
DHW temperature range		°C	35/60
DHW production ΔT 25°C		l/min	14
Cylinder capacity		l	42
DHW production at discharge ΔT 30°C (1)		l/30'	380
Maximum pressure DHW circuit		bar	8
Flue tube		Ø mm	140
Maximum flue mass flow rate		kg/s	0,022
Minimum flue mass flow rate		kg/s	0,021
Maximum flue temperature		°C	110
Dimensions (h x w x d)		mm	950x600x466
Net weight		kg	53
Gas type			Natural Gas/LPG
Power consumption		W	115
Grade of protection			IPX5D

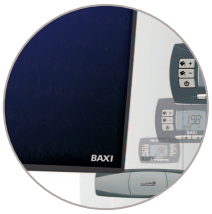
Luna3 Comfort

Technical pages 68-94 96-101 103-104 105 102, 104, 108, 110

- Remote control with LCD display supplied with the boiler; it includes room thermostat, heating and sanitary timers functions
- Enhanced heat exchanger
- Hydraulic group made of brass and flowmeter with turbine (combi models)
- Sanitary pre-heating function
- Connection to Baxi integrated solar systems option



Enhanced heat exchanger
Made of copper pipes protected with anticorrosion coating. It has a wide surface of exchange.



Connection to solar systems
Electronics has been designed to allow the boiler to turn on only when the cylinder temperature is lower than the one requested.

Hydraulic system

3 way electric diverter valve [1]
Steel burner
Primary exchanger made of copper pipes protected with anticorrosion coating
Stainless steel sanitary exchanger (combi models)
Automatic by-pass
Low energy pump with automatic air vent
System to prevent pump and 3 way valve sticking operating every 24 hours
Heating circuit relief valve set at 3 bar

Thermoregulation system

Two heating temperatures possible ranges: 30/85°C, 30/45°C
Built-in climatic regulation (outdoor sensor available as optional)
Control of multi-zones system option
Room sensor, heating circuit and sanitary timers included in the control panel
Sanitary timer (indirect cylinder)

Control system

Overheat limit thermostat for the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in event of low water
Pressure switch to ensure safe discharge of flue products (fanned flue models)
Flue thermostat to ensure safe discharge of flue products (open flue models)
Electronic temperatures control by NTC sensors
Full anti-frost device
Electronic thermometer
Heating circuit pressure gauge
AFR system, patented by Baxi that allows the efficiency optimization thanks to a perfect inlet air regulation (fanned flue models with dual flue system)

[1] In the heating only models, the electric motor is available as optional.

			Combi			Heating only*		
			Fanned flue		Open flue	Fanned flue		Open flue
			240 Fi	310 Fi	240 i	1.240 Fi	1.310 Fi	1.240 i
Product code	Natural Gas LPG	CSE	45624358 45624158	45631358 45631158	45224358	45524358	45531358 45531158	45124358
Maximum heat input		kW	26,9	33,3	26,3	26,9	33,3	26,3
Minimum heat input		kW	10,6	11,9	10,6	10,6	11,9	10,6
Maximum heat output		kW	25	31	24	25	31	24
Minimum heat output		kW	9,3	10,4	9,3	9,3	10,4	9,3
Maximum efficiency		%	92,9	93,1	91,2	92,9	93,1	91,2
Energetic efficiency (92/42/CEE)			★★★	★★★	★★	★★★	★★★	★★
Efficiency at 30%		%	90,2	90,8	90,29	90,2	90,8	90,29
Minimum working temperature		°C	-5	-5	-5	-5	-5	-5
Expansion vessel/pre-charge		l/bar	8/0,5	10/0,5	8/0,5	8/0,5	10/0,5	8/0,5
Heating system max pressure		bar	3	3	3	3	3	3
Heating temperature range		°C	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45
DHW temperature range		°C	35/60	35/60	35/60	35/60	35/60	35/60
DHW production ΔT 25°C		l/min	14,3	18	13,7	-	-	-
Minimum capacity DHW flow rate		l/min	2	2	2	-	-	-
Minimum pressure on DHW circuit		bar	0,15	0,15	0,15	-	-	-
Maximum pressure on DHW circuit		bar	8	8	8	-	-	-
Flue tube		Ø mm	-	-	120	-	-	120
Coaxial flue system Ø 60/100		m	5	4	-	5	4	-
Dual flue system Ø 80 max length		m	40	25	-	40	25	-
Maximum flue mass flow rate		kg/s	0,017	0,018	0,019	0,017	0,018	0,019
Minimum flue mass flow rate		kg/s	0,017	0,019	0,017	0,017	0,019	0,017
Maximum flue temperature		°C	135	145	110	135	145	110
Dimensions (h x w x d)		mm	730x400x299					
Net weight		kg	38	40	33	36	38	31
Gas type			Natural Gas/LPG					
Power consumption		W	135	165	80	135	165	80
Grade of protection			IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D

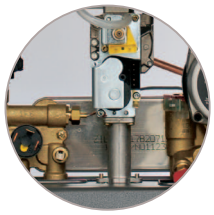
* Heating only models are connectable to indirect cylinders.

Luna3

Technical pages 68-94 96-101 103-104 105 102, 104, 108, 110

- Digital control panel with wide LCD display
- Enhanced heat exchanger
- Hydraulic group made of brass and flowmeter with turbine (combi models)
- Sanitary pre-heating function
- Connection to Baxi integrated solar systems option
- Built-in climatic regulation (outdoor sensor available as optional)

Wide LCD display
The interaction with the boiler is easier thanks to information clearly displayed in the wide LCD display and dedicated push-buttons for setting and regulation.



Hydraulic group made of brass
Luna3 is provided with 3 way electric valve. Thanks to the flowmeter with turbine, the sanitary water is detected and gauged.

Hydraulic system
3 way diverter valve
Steel burner
Primary exchanger made of copper pipes protected with anticorrosion coating
Stainless steel sanitary exchanger (combi models)
Automatic by-pass
Low energy pump with automatic air vent
System to prevent pump and 3 way valve sticking operating every 24 hours
Heating circuit relief valve set at 3 bar

Thermoregulation system
Two heating temperatures possible ranges: 30/85°C, 30/45°C
Remote controller and climatic regulator option
Built-in climatic regulation (outdoor sensor available as optional)
Control of multi-zones system option

Control system
Overheat limit thermostat for the water/flue exchanger
Hydraulic pressure switch to prevent boiler's operating in event of low water
Pressure switch to ensure safe discharge of flue products (fanned flue models)
Flue thermostat to ensure safe discharge of flue products (open flue models)
Electronic temperatures control by NTC sensors
Full anti-frost device
Electronic thermometer
Heating circuit pressure gauge
AFR system, patented by Baxi that allows the efficiency optimization thanks to a perfect inlet air regulation (fanned flue models with dual flue system)

			Combi				Heating only*
			Fanned flue			Open flue	Fanned flue
			240 Fi	280 Fi	310 Fi	240 i	1.310 Fi
Product code	Natural Gas	CSE	45624366	45628366	45631366	45224366	45531366
Maximum heat input		kW	26,9	30,1	33,3	26,3	33,3
Minimum heat input		kW	10,6	11,9	11,9	10,6	11,9
Maximum heat output		kW	25	28	31	24	31
Minimum heat output		kW	9,3	10,4	10,4	9,3	10,4
Maximum efficiency		%	92,9	93,1	93,1	91,2	93,1
Energetic efficiency (92/42/CEE)			★★★	★★★	★★★	★★	★★★
Efficiency at 30%		%	90,2	90,8	90,8	90,29	90,8
Minimum working temperature		°C	-5	-5	-5	-5	-5
Expansion vessel/pre-charge		l/bar	8/0,5	10/0,5	10/0,5	8/0,5	10/0,5
Heating system max pressure		bar	3	3	3	3	3
Heating temperature range		°C	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45
DHW temperature range		°C	35/60	35/60	35/60	35/60	35/60
DHW production ΔT 25°C		l/min	14,3	16	18	13,7	-
Minimum capacity DHW flow rate		l/min	2	2	2	2	-
Minimum pressure on DHW circuit		bar	0,15	0,15	0,15	0,15	-
Maximum pressure on DHW circuit		bar	8	8	8	8	-
Flue tube		Ø mm	-	-	-	120	-
Coaxial flue system Ø 60/100		m	5	4	4	-	4
Dual flue system Ø 80 max length		m	40	25	25	-	25
Maximum flue mass flow rate		kg/s	0,017	0,017	0,018	0,019	0,018
Minimum flue mass flow rate		kg/s	0,017	0,017	0,019	0,017	0,019
Maximum flue temperature		°C	135	140	145	110	145
Dimensions (h x w x d)		mm	760x450x345				
Net weight		kg	38	40	40	33	38
Gas type			Natural Gas/LPC ▲				
Power consumption		W	135	165	165	80	165
Grade of protection			IPX5D	IPX5D	IPX5D	IPX5D	IPX5D

* Heating only models are connectable to indirect cylinders.
▲ For operation with LPG use the conversion kit (injectors) available as optional.

Nuvola3 Comfort

Technical pages 68-94 96-101 103-104 105 102, 104, 108, 110

- Remote control with LCD display supplied with the boiler; it includes room thermostat, heating and sanitary timers functions
- High sanitary performances: up to 490 lt in 30 min (ΔT 30°C)
- 60 lt stainless steel cylinder
- Built-in sanitary expansion vessel

High performance
Nuvola3 Comfort is the range with integrated storage which grants high sanitary performance and it represents the ideal solution in case of simultaneous big hot water demands.

Built-in expansion vessel
Nuvola3 Comfort is provided with a built-in sanitary expansion vessel which represents the ideal solution in case of high pressures on the mains sanitary water.

Hydraulic system
3 way electric diverter valve
Steel burner
Primary exchanger made of copper pipes protected with anticorrosion coating
60 lt stainless steel cylinder
Automatic by-pass
Low energy pump with automatic air vent
System to prevent pump and 3 way valve sticking operating every 24 hours
Heating circuit relief valve set at 3 bar
Cylinder relief valve set at 8 bar
Built-in sanitary 2 litres expansion vessel
Sanitary recirculation option

Thermoregulation system
Two heating temperatures possible ranges: 30/85°C, 30/45°C
Built-in climatic regulation (outdoor sensor available as optional)
Control of multi-zones system option
Room sensor, heating circuit and sanitary timers included in the control panel

Control system
Overheat limit thermostat for the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in event of low water
Pressure switch to ensure safe discharge of flue products (fanned flue models)
Flue thermostat to ensure safe discharge of flue products (open flue models)
Electronic temperatures control by NTC sensors
Full anti-frost device
Anti-legionella function
Electronic thermometer
AFR system, patented by Baxi that allows the efficiency optimization thanks to a perfect inlet air regulation (fanned flue models with dual flue system)
Heating circuit pressure gauge

			Combi with DHW storage				
			Fanned flue			Open flue	
Product code	Natural Gas	CSB	240 Fi 45724358	280 Fi 45728358	320 Fi 45732358	240 i 45424358	280 i 45428358
Maximum heat input		kW	26,3	30,1	34,5	27,1	31,1
Minimum heat input		kW	11,9	11,9	11,9	11,9	11,9
Maximum heat output		kW	24,4	28	32	24,4	28
Minimum heat output		kW	10,4	10,4	10,4	10,4	10,4
Maximum efficiency		%	92,9	93,1	93,2	90,2	90,6
Energetic efficiency (92/42/CEE)			★★★	★★★	★★★	★★	★★
Efficiency at 30%		%	90,4	90,5	90,5	89,4	89,5
Minimum working temperature		°C	-5	-5	-5	-5	-5
Expansion vessel/pre-charge		l/bar	7,5/0,5	7,5/0,5	7,5/0,5	7,5/0,5	7,5/0,5
Heating system max pressure		bar	3	3	3	3	3
Heating temperature range		°C	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45
DHW temperature range		°C	35/65	35/65	35/65	35/65	35/65
Cylinder capacity		l	60	60	60	60	60
Cylinder expansion vessel capacity/pre-charge		l/bar	2/3,5	2/3,5	2/3,5	2/3,5	2/3,5
Specific flow according to EN 625		l/min	18,2	19	21,5	18,2	19
DHW production ΔT 25°C [1]		l/min	14	16,1	18,3	14	16,1
DHW production at discharge ΔT 30°C [1]		l/30'	390	450	490	390	450
Maximum pressure on DHW circuit		bar	8	8	8	8	8
Flue tube		Ø mm	-	-	-	140	140
Coaxial flue system Ø 60/100		m	4	4	4	-	-
Dual flue system Ø 80 max length		m	30	30	30	-	-
Maximum flue mass flow rate		kg/s	0,018	0,018	0,022	0,022	0,024
Minimum flue mass flow rate		kg/s	0,017	0,018	0,021	0,021	0,021
Maximum flue temperature		°C	134	142	142	110	115
Dimensions (h x w x d)		mm	950 x 600 x 466				
Net weight		kg	70	70	70	60	60
Gas type			Natural Gas/LPG ▲				
Power consumption		W	190	190	190	110	110
Grade of protection			IPX5D	IPX5D	IPX5D	IPX5D	IPX5D

[1] Without flow restrictor.
▲ For operation with LPG use the conversion kit (injectors) available as optional.

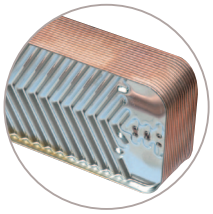
BAXI

Nuvola3 BS40

Technical pages 68-94 96-101 103-104 105 102, 104, 108, 110

- 42 lt thermal dynamic stratification cylinder:
  - immediate DHW delivery thanks to 42 lt storage ready to be used at the needed temperature
  - less scale formation thanks to the DHW plates exchanger
  - high sanitary performances thanks to high efficiency of heat exchanger
- Vertical hydraulic connections for easier replacement of existing boilers
- Digital control panel with wide LCD display with text and symbols clearly showed
- Up to 440 litres DHW production in 30' (ΔT 30°C)

Wide LCD display
With dedicated push-buttons for programming and regulation, for a clear display of the information



Any scale formation is blocked thanks to the direct DHW exchange through the plates exchanger

Hydraulic system
3 way electric diverter valve
Steel burner
Primary exchanger made of copper pipes protected with anticorrosion coating
42 lt stainless steel stratification cylinder
Automatic by-pass
Low energy pump with automatic air vent
System to prevent pump and 3 way valve sticking operating every 24 hours
Heating circuit relief valve set at 3 bar
Cylinder relief valve set at 8 bar
Sanitary recirculation option

Thermoregulation system
Two heating temperatures possible ranges: 30/85°C, 30/45°C
Built-in climatic regulation (outdoor sensor available as optional)
Remote controller and climatic regulator (supplied as optional)
Control of multi-zones system option

Control system
Overheat limit thermostat for the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in the event of low water
Pressure switch to ensure safe discharge of flue products (fanned flue models)
Flue thermostat to ensure safe discharge of flue products (open flue models)
Full anti-frost device
Anti-legionella function
Electronic thermometer
Heating circuit pressure gauge
AFR system, patented by Baxi that allows the efficiency optimization thanks to a perfect inlet air regulation (fanned flue models with dual flue system)

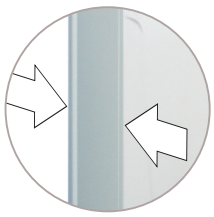
			Combi with DHW storage			
			Fanned flue		Open flue	
			240 Fi BS40	280 Fi BS40	240 i BS 40	280 i BS40
Product code	Natural Gas	CSB	45724351	45728351	45424351	45428351
Maximum heat input		kW	26,3	30,1	27,1	31,1
Minimum heat input		kW	11,9	11,9	11,9	11,9
Maximum heat output		kW	24,4	28	24,4	28
Minimum heat output		kW	10,4	10,4	10,4	10,4
Maximum efficiency		%	92,9	93,1	90,2	90,6
Energetic efficiency (92/42/CEE)			★★★	★★★	★★	★★
Efficiency at 30%		%	90,4	90,5	89,4	89,5
Minimum working temperature		°C	-5	-5	-5	-5
Expansion vessel/pre-charge		l/bar	7,5/0,5	7,5/0,5	7,5/0,5	7,5/0,5
Heating system max pressure		bar	3	3	3	3
Heating temperature range		°C	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45
DHW temperature range		°C	35/65	35/65	35/65	35/65
Cylinder capacity		l	30	30	30	30
Specific flow according to EN 625		l/min	16	17,5	16	17,5
DHW production ΔT 25°C [1]		l/min	14	16,1	14	16,1
DHW production at discharge ΔT 30°C [1]		l/30'	350	400	350	400
Maximum pressure on DHW circuit		bar	8	8	8	8
Flue tube		Ø mm	-	-	140	140
Coaxial flue system Ø 60/100		m	4	4	-	-
Dual flue system Ø 80 max length		m	30	30	-	-
Maximum flue mass flow rate		kg/s	0,017	0,018	0,022	0,024
Minimum flue mass flow rate		kg/s	0,018	0,018	0,021	0,021
Maximum flue temperature		°C	134	142	110	115
Dimensions (h x w x d)		mm	950x600x466			
Net weight		kg	63	63	53	53
Gas type			Natural Gas/LPG ▲			
Power consumption		W	190	215	140	165
Grade of protection			IPX5D	IPX5D	IPX5D	IPX5D

[1] Without flow restrictor.
▲ For operation with LPG use the conversion kit (injectors) available as optional.

Technical pages 68-94 96-101 103-104 105 102, 104, 108, 110

Ecofour

- Compact dimensions (730x400x299 mm)
- Digital control panel with wide LCD display and push-buttons
- Hydraulic group made of brass with electric 3 way valve (Combi models)
- DHW production through stainless steel plate exchanger
- Full anti-frost device
- Outdoor sensor option



Compact dimensions
Ecofour is ideal to be installed in narrow space thanks to its compact dimensions

Control panel
Thanks to the control panel with knobs and LCD display, you can easily select temperatures and control the diagnostics.

Hydraulic system
3 way diverter valve
Steel burner
Primary exchanger made of copper pipes protected with anticorrosion coating
Stainless steel DHW heat exchanger
Automatic by-pass
Low energy circulating pump with automatic air vent
System to prevent pump and diverter 3 way electric valve operating every 24 hours
Heating circuit relief valve set at 3 bar

Thermoregulation system
Two heating temperatures possible ranges: 30/85°C, 30/45°C
Built-in climatic regulation (outdoor sensor available as optional)

Control system
Overheat limit thermostat for the water/flue exchanger
Hydraulic pressure switch to prevent boiler's operating in event of low water
Pressure switch to ensure safe discharge of flue products (fanned flue models)
Flue thermostat to ensure safe discharge of flue products (open flue models)
Electronic temperatures control by NTC sensors
Full anti-frost device
Electronic thermometer
Heating circuit pressure gauge

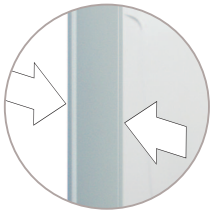
			Combi		Heating only*			
			Fanned flue	Open flue	Fanned flue		Open flue	
			24 F	24	1.24 F	1.14 F	1.24	1.14
Product code	Natural Gas	CSE	46624354	46224354	46524354	46514354	46124354	46114354
Maximum heat input		kW	25,8	26,3	25,8	15,1	26,3	15,4
Minimum heat input		kW	10,6	10,6	10,6	7,1	10,6	7,1
Maximum heat output		kW	24	24	24	14	24	14
Minimum heat output		kW	9,3	9,3	9,3	6,0	9,3	6,0
Maximum efficiency		%	92,93	91,20	92,93	92,50	91,20	90,90
Energetic efficiency (92/42/CEE)			★★★	★★	★★★	★★★	★★	★★
Efficiency at 30%		%	90,37	89,30	90,37	89,80	89,30	88,60
Minimum working temperature		°C	-5	-5	-5	-5	-5	-5
Expansion vessel capacity/pre-charge		l/bar	6/0,5	6/0,5	6/0,5	6/0,5	6/0,5	6/0,5
Maximum capacity of the heating system		l	100	100	100	100	100	100
Heating system max pressure		bar	3	3	3	3	3	3
Heating temperature range		°C	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45
DHW temperature range		°C	35/60	35/60	5/60	5/60	5/60	5/60
Specific flow according to EN 625		l/min	10.7	10,7	-	-	-	-
DHW production ΔT 25°C		l/min	13,7	13,7	-	-	-	-
Minimum capacity DHW flow rate		l/min	2,0	2,0	-	-	-	-
Maximum pressure on DHW circuit		bar	8	8	-	-	-	-
Flue tube		Ø mm	-	120	-	-	120	110
Coaxial flue system Ø 60/100 max length		m	5	-	5	5	-	-
Dual flue system Ø 80 max length		m	30	-	30	30	-	-
Maximum flue mass flow rate		kg/s	0,014	0,020	0,014	0,012	0,020	0,014
Minimum flue mass flow rate		kg/s	0,014	0,018	0,014	0,012	0,018	0,013
Maximum flue temperature		°C	146	110	149	115	110	99
Dimensions (h x w x d)		mm	730 x 400 x 299					
Net weight		kg	33	29	32	31	28	26
Gas type			Natural Gas/LPG ▲					
Grade of protection			IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D

* Heating only models are connectable to indirect cylinders.
▲ For operation with LPG use the conversion kit (injectors) available as optional

Eco5 Compact

Technical pages 68-94 96-101 103-104 105 102, 104, 108, 110

- Ultra compact dimensions (700x400x298 mm)
- Combustion control system (GDC) to guarantee the safe operation of the boiler even in case of combustion anomalies (flue obstruction, flue recirculation, etc.) (F models)
- 8 lt. expansion vessel to manage high water content installations (models F)
- Easy access to the components thanks to the new structure and internal layout
- Compact hydraulic group with electric 3 way valve, equipped with an anti-torsion metal bar for a safe installation (Combi models)
- Full anti-frost device
- Connection to Baxi integrated solar system option



Compact dimensions
Eco Compact, distinguished by compact dimensions (700x400x298 mm), is ideal to be installed in narrow space

Control panel
Thanks to the control panel with knobs and LCD display, you can easily select temperatures and control the diagnostics.

Hydraulic system

3 way diverter valve
(standard equipment for 24 F model; optional for 1.24 F model)
Steel burner
Primary exchanger made of copper pipes protected with anticorrosion coating
Stainless steel DHW heat exchanger
Automatic by-pass
Low energy circulating pump with automatic air vent
System to prevent pump and diverter 3 way electric valve operating every 24 hours
Heating circuit relief valve set at 3 bar

Control system

Overheat limit thermostat for the water/flue exchanger
Hydraulic pressure switch to prevent boiler's operating in event of low water
Heating circuit pressure gauge
Electronic thermometer

			Combi				Heating only		
			Fanned flue			Open flue	Fanned flue		Open flue
			14 F	18 F	24 F	24	1.14 F	1.24 F	1.24
Product code	Natural Gas		7115719	7115720	7105065 7113140	7214255	7115737	7112870	7214254
	LPG								
Maximum heat input		kW	15,4	19,4	25,8	26,3	15,4	25,8	26,3
Minimum heat input		kW	10,6	10,6	10,6	10,6	10,6	10,6	10,6
Maximum heat output		kW	14	18	24	24	14	24	24
Minimum heat output		kW	9,3	9,3	9,3	9,3	9,3	9,3	9,3
Maximum efficiency		%	90,8	92,8	93,1	91,2	90,8	93,1	91,2
Energetic efficiency (92/42/CEE)			★★★	★★★	★★★	★★	★★★	★★★	★★
Efficiency at 30%		%	90,2	90,2	90,5	89,3	90,2	90,5	89,3
Minimum working temperature		°C	-5	-5	-5	-5	-5	-5	-5
Expansion vessel capacity/pre-charge		l/bar	8/0,5	8/0,5	8/0,5	6/0,5	8/0,5	8/0,5	6/0,5
Maximum capacity of the heating system		l	3	3	3	3	3	3	3
Heating system max pressure		bar	30/85	30/85	30/85	30/85	30/85	30/85	30/85
Heating temperature range		°C	35/60	35/60	35/60	35/60	35/60	35/60	35/60
DHW temperature range		°C	8,6	8,6	11	10,7	-	-	-
Specific flow according to EN 625		l/min	10,3	10,3	13,7	13,7	-	-	-
Minimum capacity DHW flow rate		l/min	2	2	2	2	-	-	2
Maximum pressure on DHW circuit		bar	8	8	8	8	-	-	8
Flue tube		Ø mm	5	5	5	-	5	5	-
Coaxial flue system Ø 60/100 max length		m	30	30	30	-	30	30	-
Dual flue system Ø 80 max length		m	0,014	0,014	0,015	0,02	0,013	0,015	0,02
Maximum flue mass flow rate		kg/s	0,013	0,013	0,015	0,018	0,013	0,015	0,018
Minimum flue mass flow rate		kg/s	128	128	140	110	125	140	110
Dimensions (h x w x d)		mm	700 x 400 x 298				730 x 400 x 299		
Net weight		kg	29	29	29	29	28	28	29
Gas type			Natural Gas/LPG ▲						
Grade of protection			110	110	110	110	110	110	110
Grade of protection			IPx5D	IPx5D	IPx5D	IPx5D	IPx5D	IPx5D	IPx5D

* Heating only models are connectable to indirect cylinders.
▲ For operation with LPG use the conversion kit (injectors) available as optional.

Technical pages 68-94 96-101 103-104 105 102, 104, 108, 110

Main5

- Ultra compact dimensions
- Bi-thermic rapid heat exchanger
- Combustion control system (GDC) to guarantee the safe operation of the boiler even in case of combustion anomalies (flue obstruction, flue recirculation, etc.)
- Easy access to the components, including the expansion vessel, thanks to the new structure and internal layout
- Anti-scale electronic system
- Anti-frost protection

Control Panel
The new digital control panel with LCD display and push-buttons, make the boiler's working check easy and immediate: clear and simple symbols allow to show all boiler's parameters and anomalies that may occur

Hydraulic system

Steel burner
Bi-thermic rapid heat exchanger made of copper pipes protected with anticorrosion coating
Automatic by-pass
System to prevent pump sticking operating every 24 hours
Central heating relief valve set at 3 bar

Control system

Combustion control system (GDC)
Overheat limit thermostat for the water/flue exchanger
Hydraulic pressure switch to prevent boiler's operating in event of low water
Electronic temperatures control by NTC sensors
Anti-frost protection of CH circuit
Anti-scale electronic system
Electronic thermometer
Central heating pressure gauge

Product code	Natural Gas LPG		Combi 14F 7111780	Combi 18F 7111781	Combi 24F 7107750 7113141
Maximum heat input		kW	19,4	19,4	25,8
Minimum heat input		kW	10,6	10,6	10,6
Maximum heat output		kW	18	18	24
Minimum heat output		kW	9,3	9,3	9,3
Maximum efficiency		%	90,7	92,8	92,9
Energetic efficiency (92/42/CEE)			★★	★★★	★★★
Efficiency at 30%		%	90,1	90,3	90,2
Minimum working temperature		°C	-5	-5	-5
Expansion vessel capacity/pre-charge		l/bar	6/0,5	6/0,5	6/0,5
Heating system max pressure		bar	3	3	3
Heating temperature range		°C	30/76	30/76	30/76
DHW temperature range		°C	35/55	35/55	35/55
DHW production ΔT 25°C		l/min	10,3	10,3	13,7
Minimum capacity DHW flow rate		l/min	2	2	2
Minimum pressure on DHW circuit		bar	0,15	0,15	0,15
Maximum pressure on DHW circuit		bar	8	8	8
Coaxial flue system Ø 60/100 max length		m	5	5	5
Dual flue system Ø 80 max length		m	30	30	30
Maximum flue mass flow rate		kg/s	0,014	0,014	0,016
Minimum flue mass flow rate		kg/s	0,016	0,016	0,016
Maximum flue temperature		°C	135	135	149
Dimensions (h x w x d)		mm	700 x 400 x 299		
Net weight		kg	27	27	27
Gas type			Natural Gas/LPG ▲		
Power consumption		W	110	110	110
Grade of protection			IPX5D	IPX5D	IPX5D

▲ For operation with LPG use the conversion kit (injectors) available as optional.

Slim

Technical pages 68-94 96-101 103-104 105 102, 104, 108, 110

- Cast iron exchanger
- 60 litres stainless steel cylinder (2.300 Fi)
- 50 litres cylinder (2.230 i, 2.300 i)
- Multifunctional display
- Low energy circulating pump (Fi, i models)
- System to prevent pump sticking operating every 24 hours
- Connection to cylinder option for DHW production (heating only models)

Compact dimensions
Slim is ideal for installation In compact spaces.

Thermoregulation system
Built-in climatic regulation (outdoor sensor available as optional)
Central heating timer option
DHW timer option (DHW production models)

			Heating only*											With DHW storage		
			Fanned flue					Open flue						Fanned flue	Open flue	
			1.230 Fi	1.230FiN	1.300 Fi	1.300 FiN	1.150 i	1.230 i	1.300 i	1.230 iN	1.300 iN	1.400 iN [1]	1.490 iN [1]	1.620 iN [1]	2.300 Fi	2.230 i	2.300 i
Product code		WSB	43523301	43523347	43530301	43530347	43115301	43123301	43130301	43123347	43130347	43140347	43149347	43162347	43730301	43423301	43430301
Maximum heat input		kW	24,5	24,5	33	33	16,5	24,5	33	24,5	33	44,4	54,1	69	33	24,5	33
Minimum heat input		kW	13,5	13,5	17	17	9,5	13,5	17	13,5	17	23	27,5	35	17	13,5	17
Maximum heat output		kW	22,1	22,1	29,7	29,7	14,9	22,1	29,7	22,1	29,7	40	48,7	62,2	29,7	22,1	29,7
Minimum heat output		kW	11,8	11,8	14,9	14,9	8,5	11,8	14,9	11,8	14,9	20,6	24,5	31,6	14,9	11,8	14,9
Maximum efficiency		%	90	90	90,3	90,3	90,3	90,2	90	90,2	90	90,1	90	90,1	90,3	90,2	90
Energetic efficiency (92/42/CEE)			★★	★★	★★	★★	★★	★★	★★	★★	★★	★★	★★	★★	★★	★★	★★
Energetic efficiency 30%		%	89,6	89,6	88,8	88,8	88,2	88,5	88,5	88,5	88,5	88,8	88,4	88,9	88,8	88,5	88,5
Cast irons sections			4	4	5	5	3	4	5	4	5	6	7	9	5	4	5
Cast irons boiler water capacity		l	11,8	11,8	14,6	14,6	9	11,8	14,6	11,8	14,6	17,4	20,2	25,8	14,6	11,8	14,6
Expansion vessel/pre-charge		l/bar	10/1	-	10/1	-	10/1	10/1	10/1	-	-	-	-	-	10/1	10/1	10/1
Heating system max pressure		bar	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Heating temperature range		°C	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45
Cylinder temperature regulation		°C	5/65	5/65	5/65	5/65	5/65	5/65	5/65	5/65	5/65	5/65	5/65	5/65	5/65	5/65	5/65
DHW production ΔT 35°C		l/min	-	-	-	-	-	-	-	-	-	-	-	-	12,2	9	12,1
DHW production at discharge ΔT 30°C		l/30'	-	-	-	-	-	-	-	-	-	-	-	-	485	366	475
Maximum pressure on DHW system		bar	-	-	-	-	-	-	-	-	-	-	-	-	8	8	8
Flue tube		Ø mm	-	-	-	-	110	130	140	130	140	160	160	180	-	130	140
Coaxial flue system Ø 60/100 max length		m	5	5	5	5	-	-	-	-	-	-	-	-	5	-	-
Dual flue system Ø 80 max length		m	20	20	20	20	-	-	-	-	-	-	-	-	20	-	-
Dimensions	height width depth	mm	850 350 600	850 350 600	850 350 600	850 350 600	850 350 520	850 350 600	850 350 680	850 350 600	850 350 680	850 350 635	850 350 715	850 350 875	850 650 600	850 650 600	850 650 600
Net weight		kg	121	111	144	134	89	113	136	103	126	150	174	224	184	155	176
Gas type			Natural gas/LPG ▲														
Power consumption		W	170	70	170	70	120	120	120	15	15	15	15	15	170	120	120
Grade of protection			IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D

* Heating only models are connectable to Slim UB-UB INOX 80/120 lt.
[1] For 1.400 iN - 1.490 iN - 1.620 iN the windproof flue terminal is compulsory.
▲ For operation with LPG use the conversion kit (injectors) available as optional.

Slim HPS

Technical pages 76

- Body composed by pre-assembled cast iron elements properly designed to optimize the efficiency
- Stainless steel step-modulation atmospheric burner and gas valve
- 50 mm fiberglass insulation
- Flue safety thermostat

Control panel
Very user friendly control panel which incorporates full safety features, including control and high limit thermostats, thermometer, and burner on/off switch.

Easy mounting of cast-iron elements
Weather compensated central (cascade installations)
Connection to an indirect cylinder option
Cascade installation option

						Heating only Open flue	
					1.80	1.99	1.110
Product code				WSO	7114600	7114601	7114602
Power output				kW	56-78,7	69,9-98,6	74,7-107,9
Power input				kW	62,2-87,4	77,7-109,5	85,5-120,5
Nominal efficiency				%	90	89,9	89,5
Number of elements					9	11	12
Number of burners					8	10	11
Number of burner injectors							
Water content of the cast-iron body				lt	28	34	37
Maximum pressure in the heating circuit				bar	4	4	4
Natural gas 20 mbar	Burner injectors			Ø	2,95	2,95	2,95
	G20	Flow rate m³/h 15°C 1013 mbar	Design rate (Qn)		9,2	11,6	12,7
		Pressure at injectors	mbar		4,6-9,1	4,7-9,3	4,6-9,3
	Flue temperature			°C	160	144	140
	Flue flow rate at design rate			kg/h	180	287	330
Propane gas 37 mbar	Burner injectors			Ø	1,70	1,70	1,70
	G31	Flow rate m³/h 15°C 1013 mbar	Design rate (Qn)		6,7	8,3	9,1
		Pressure at injectors	mbar		16,1-30,2	16,6-32,7	16,6-34,3

* with antirefouler
These models are connectable to indirect cylinders.

Slim EF

- Body composed by pre-assembled cast iron elements properly designed to optimize the efficiency
- No need of electric power supply
- Stainless steel two-stage atmospheric burner and gas valve with pilot burner
- Piezo electric ignition
- Flue safety thermostat

Control panel
Very user friendly control panel which incorporates full safety features, including control and high limit thermostats, thermometer, and burner on/off switch.

Easy mounting of cast-iron elements
Safe lightening by intermittent pilot ignition

					Heating only Open flue				
					1.22	1.31	1.39	1.49	1.61
Product code				WSO	7116065	7116066	7116067	7116068	7116069
Power output				kW	22	30,5	39,1	48,8	60,7
Power input				kW	25	34,8	44,8	55	69,2
Nominal efficiency				%	92	92	92	92	92
Number of elements					3	4	5	6	7
Number of burners					2	2	3	3	3
Number of burner injectors									
Water content of the cast-iron body					10	13	16	19	22
Maximum pressure in the heating circuit				bar	4	4	4	4	4
Natural gas 20 mbar	Pilot burner injectors			Ø	130	150	180	180	200
	G20	Flow rate m³/h 15°C 1013 mbar	Design rate (Qn)		2,64	3,68	4,73	5,82	7,32
		Pressure at injectors	mbar	100%	9,8	9,6	9,6	9,1	11,5
	Flue temperature			°C	119	118	110	130	141
	Flue flow rate at design rate			kg/h	24,7	34,7	52,2	53,1	59,2
Propane gas 37 mbar	Burner injectors			Ø	0,27	0,27	0,27	0,27	0,27
	G31	Flow rate m³/h 15°C 1013 mbar	Design rate (Qn)		1,97	2,74	3,53	4,34	5,45
		Pressure at injectors	mbar	100%			35		

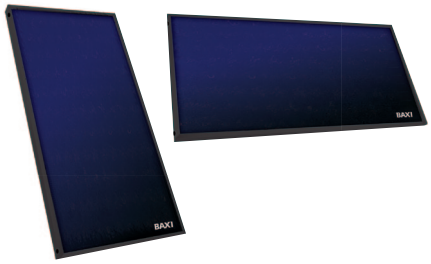
* with antirefouler
These models are connectable to indirect cylinders.

Solar systems

Collectors for forced draft installation

Technical pages 84

SB 25+V/O, SB 20+V/O

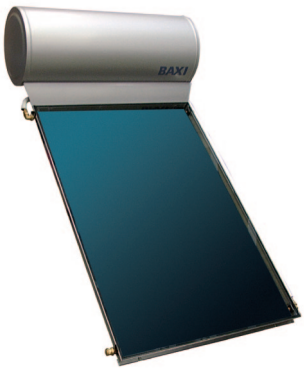


- Gross surface: 2,51 m² (SB25+V/O), 2,01 m² (SB20+V/O)
- Meander pipes for a better heat transmission (SB20+, SB25+)
- Installation on a pitched, flat built in roof
- Solutions for groups from 3 to 7 people
- Hydraulic group with electronic regulation available as optional
- Connection to the range of cylinders from 200 to 2000 lt, single or double coil option

		Collectors			
Product code	LSC	SB25+V 61525430	SB25+O 61525330	SB20+V 61520430	SB20+O 61520330
Gross surface	m²	2,51	2,51	2,01	2,01
Absorber area	m²	2,35	2,35	1,88	1,88
Aperture area	m²	2,37	2,37	1,9	1,9
Collector capacity	lt	2,3	2,7	1,87	2,16
Maximum working pressure	bar	10	10	10	10
η_o - Efficiency (with reference to the absorber surface)*	%	81,8	82,4	82,5	81,7
α_1 Heat losses	W/m²k²	3,505	3,777	3,752	4,027
α_2 Heat losses	W/m²k²	0,019	0,016	0,019	0,017

Collectors for natural draft installation

SB 21+



- Gross surface 2,01 m²
- One collector (SB 21+) solution with 150 or 200 liters capacity cylinder
- Two collectors (SB 21+) solution with 300 liters capacity cylinder
- Installation on flat or pitched roof

		Collector		
Product code	LSC	STS-150L 69000100	STS-200L 69000101	STS- 300L 69000102 (flat roof) 69000103 (pitched roof)
Collector		1	1	2
Gross surface	m²		2,01	
Absorber area	m²		1,88	
Aperture area	m²		1,89	
Collector capacity	lt		1,52	
Cylinder capacity	l	150	200	300
Maximum working pressure	bar		10	
η_o - Efficiency (with reference to the absorber surface)*	%		78,7	
α_1 Heat losses	W/m²k²		4,014	
α_2 Heat losses	W/m²k²		0,0011	

Indirect cylinders

UB - UB inox

Technical pages 84 110

- 80/120 lt indirect cylinder available in stainless steel or coated steel
- Magnesium anode for anticorrosion protection
- Nipples in the fixing template
- Indirect cylinder temperature controlled directly on the boiler's control panel

	UB 80 inox	UB 120 inox
UB inox class	E	D

Slim UB - Slim UB inox

- 80/120 lt indirect cylinder available in stainless steel or coated steel
- Magnesium anode for anticorrosion protection
- Nipples in the fixing template
- Indirect cylinder temperature controlled directly on the boiler's control panel

UB SC

Technical pages 85 110

- Enamelled vitrified steel indirect cyinder (120/160 lt|)
- Connectable to heating only boilers, hot water temperature sensor cod. KHG 71407681 to be ordered separately
- Indirect cylinder temperature controlled directly on the boiler's control panel
- Magnesium anode

Technical pages 85 110

Combi 80 L+

ErP OK

- 80 lt stainless steel indirect cylinder connectable to Luna Platinum+ e Luna Duo-tec+ (heating only models)
- 4 lt expansions vessel kit included
- Cylinder temperature sensor included
- Indirect cylinder temperature controlled directly on the boiler's control panel
- Magnesium anode
- Connection kit include

Combi 80 L

- 80 lt stainless steel indirect cylinder connectable to Luna3 Comfort (heating only models)
- Cylinder temperature sensor included
- Indirect cylinder temperature controlled directly on the boiler's control panel
- Magnesium anode
- 4 lt expansions vessel kit available as optional (product code KSL 71408611)

Luna Platinum+ and Combi 80 L+

+

=

ErP OK

A

A

Load profile XL

Models:
Luna Platinum+ 1.12 GA - cod. 7219688
Luna Platinum+ 1.18 GA - cod. 7219689
Luna Platinum+ 1.24 GA - cod. 7219690
Luna Platinum+ 1.32 GA - cod. 7219691

Combi 80 L+ - cod. 7113493

Combinations:
Luna Platinum+ 1.12 GA / 80L+ Combi
Luna Platinum+ 1.18 GA / 80L+ Combi
Luna Platinum+ 1.24 GA / 80L+ Combi
Luna Platinum+ 1.32 GA / 80L+ Combi

		Luna Platinum+			
		1.12 GA	1.18 GA	1.24 GA	1.32 GA
Stainless steel cylinder capacity	l	80	80	80	80
Cylinder DHW temperature regulation	°C	35/60	35/60	35/60	35/60
DHW production ΔT 25°C in continuous	l/min	6,9	10,3	13,8	18,3
DHW production ΔT 30°C at discharge	l/30 min	265	345	430	540
Recovering time of the cylinder ΔT 50°C	min	23	17	12	8
Maximum pressure DHW system	bar	8	8	8	8

Luna Duo-tec+ and Combi 80 L+

Load profile XL

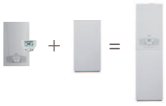
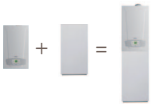
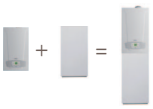
Models:
Luna Duo-tec+ 1.12 GA - cod. 7219545
Luna Duo-tec+ 1.24 GA - cod. 7219546
Luna Duo-tec+ 1.28 GA - cod. 7219547

Combi 80 L+ - cod. 7113493

Combinations:
Luna Duo-tec+ 1.12 GA / 80L+ Combi
Luna Duo-tec+ 1.24 GA / 80L+ Combi
Luna Duo-tec+ 1.28 GA / 80L+ Combi

		Luna Duo-tec+		
		1.12 GA	1.24 GA	1.28 GA
Stainless steel cylinder capacity	l	80	80	80
Cylinder DHW temperature regulation	°C	35/60	35/60	35/60
DHW production ΔT 25°C in continuous	l/min	6,9	13,8	16,1
DHW production ΔT 30°C at discharge	l/30 min	265	430	490
Recovering time of the cylinder ΔT 30°C	min	23	12	9,5
Maximum pressure DHW system	bar	8	8	8

ErP combination boilers

	Combi 80 L+ 7113493	UB 120 INOX KSG71408451	UB 120 SC 7225319+KHG71407681	UB 160 SC 7223235+KHG71407681
 LUNA PLATINUM+ 1.12 cod . 7219688 LUNA PLATINUM+ 1.18 cod. 7219689 LUNA PLATINUM+ 1.24 cod. 7219690	 LUNA PLATINUM+ 1.12/80L+ COMBI LUNA PLATINUM+ 1.18/80L+ COMBI LUNA PLATINUM+ 1.24/80L+ COMBI	 LUNA PLATINUM+ 1.12/120L COMBI LUNA PLATINUM+ 1.18/120L COMBI LUNA PLATINUM+ 1.24/120L COMBI		
 LUNA PLATINUM+ 1.32 cod. 7219691	 LUNA PLATINUM+ 1.32/80L+ COMBI	 LUNA PLATINUM+ 1.32/120L COMBI		 LUNA PLATINUM+ 1.32/160L COMBI
 LUNA DUO-TEC+ 1.12 cod. 7219545 LUNA DUO-TEC+ 1.24 cod. 7219546	 LUNA DUO-TEC+ 1.12/80L+ COMBI LUNA DUO-TEC+ 1.24/80L+ COMBI	 LUNA DUO-TEC+ 1.12/120L COMBI LUNA DUO-TEC+ 1.24/120L COMBI		
 LUNA DUO-TEC+ 1.28 cod. 7219547	 LUNA DUO-TEC+ 1.28/80L+ COMBI	 LUNA DUO-TEC+ 1.28/120L COMBI		 LUNA DUO-TEC+ 1.28/160L COMBI
 LUNA DUO-TEC+ 1.24 cod. 7219546			 LUNA DUO-TEC+ 1.24/120L COMBI	 LUNA DUO-TEC+ 1.24/160L COMBI
7225319 the code includes Duo-tec Compact+ 1.24 GA and UB 120 SC			 DUO-TEC COMPACT+ 1.24/120L COMBI	
7225320 the code includes Duo-tec Compact+ 1.24 GA and UB 160 SC				 DUO-TEC COMPACT+ 1.24/160L COMBI
7224733 the code includes Luna3 Blue+ and UB 120 SC			 LUNA3 BLUE+ 1.180i/120L COMBI	
7224734 the code includes Luna3 Blue+ and UB 120 SC				 LUNA3 BLUE+ 1.180i/160L COMBI

Luna3 Comfort and Combi 80 L

Models:
Luna3 Comfort 1.240 Fi
Luna3 Comfort 1.310 Fi
Luna3 Comfort 1.240 i

Combi 80 L - cod. KSL 714084718

Hydraulic connection kit
for heating only boilers
KHG 71410701

Hydraulic connection kit
Combi - Luna3
KSL 71411051

		Luna3 Comfort		
		1.240 Fi	1.310 Fi	1.240 i
Stainless steel cylinder capacity	l	80	80	80
Cylinder DHW temperature regulation	°C	35/60	35/60	35/60
DHW production ΔT 25°C in continuous	l/min	14,3	17,8	13,7
DHW production ΔT 30°C at discharge	l/30 min	438	520	438
Recovering time of the cylinder ΔT 50°C	min	12	9	12
Maximum pressure DHW system	bar	8	8	8

Enamelled steel cylinders for boilers and solar systems - UBVT SC/DC

Technical pages 86

- Tanks range from 200 to 500 lt, single and double coil
- Enamelled vitrified tanks at 850°C to ensure high protection against corrosion
- Insulation made with high-density injected polyurethane foam without CFC
- External rigid case in ABS
- Magnesium anode (2 in models with double coil) to safeguard the internal tank surface against corrosion
- Electric resistances of 1500 W, 2300 W, 3000 W with adjustable thermostat as option
- Compatible with all BAXI boilers and solar systems

UBVT 200 SC/DC

UBVT 300 SC/DC

		UBVT 200 SC	UVBT 200 DC	UBVT 300 SC	UBVT 300 DC	UBVT 400 SC	UBVT 400 DC	UBVT 500 DC
Product code		7110591	7110592	7110593	7110594	7110595	7110596	7110597
Capacity		200	200	300	300	400	400	500
Dimensions	mm	1422,5 x 610	1422,5 x 610	1795,5 x 610	1795,5 x 610	1671,5 x 710	1671,5 x 710	1787 x 760
Weight	kg	95	106	113	128	140	159	186
Maximum DHW pressure	bar	10	10	10	10	10	10	10
Maximum coil pressure	bar	10	10	10	10	10	10	10
Maximum working temperature	°C	95	95	95	95	95	95	95
Insulation		injected polyurethane						
Insulation thickness	mm	50	50	50	50	50	50	50
Heat losses	kWh/24h (ΔT=40°C)	1,8	1,8	2,2	2,2	2,6	2,6	3,8
Heat transfer coefficient	W/K	1,88	1,88	2,29	2,29	2,71	2,71	3,96
Coil exchange surface	m^2 upper	-	0,8	-	1,0	-	1,0	1,0
	m^2 lower	1,2	1,2	1,5	1,5	1,8	1,8	2,5
Coil heat exchange (T inlet 80°C - T DHW 10/45°C)	kW upper	-	24	-	30	-	30	30
	kW lower	36	36	42	42	48	48	63
Coil water content	lt upper	-	5,1	-	6,8	-	6,8	6,8
	lt lower	8,1	8,1	10,1	10,1	12,1	12,1	16,8
Nominal flow rate	m^3/h upper	-	2	-	2	-	2	2
	m^3/h lower	2	2	2	2	2	2	2
DHW production (T inlet 80°C - T DHW 10/45°)	lt/h upper	-	590	-	737	-	737	737
	lt/h lower	885	885	1032	1032	1179	1179	1548
Pressure losses	mbar upper	-	40	-	50	-	50	50
	mbar lower	68	68	80	80	92	92	116
NL number (DIN4708)		0,7	0,7	1,3	1,3	2,8	2,8	3,8
Class		C	C	C	C	C	C	D

Technical pages 86

Vitrified steel cylinder for DHW production for solar integration - UB 200 SOLAR

UB 200 SOLAR

Dati tecnici		UB 200 SOLAR
Product code		KSL 71413521
Capacity	lt	200
Solar coil thermal exchange ΔT=30°C	kW	20
Maximum DHW pressure	bar	8
Maximum solar circuit pressure	bar	6
Expansion vessel capacity	l	8
Expansion vessel pressure	bar	18
Voltage	V	230
Frequency	Hz	50
Nominal power	W	85
Weight	kg	145
Dimensions (h x w x d)	mm	1500 x 600 x 644
Grade of protection		IPX4D

- Vitrified steel DHW cylinder with single coil exchanger for solar integration
- To be connected to any combi boiler
- Mixing valve and diverter valve supplied with the cylinder
- Solar circulating group supplied with the cylinder
- Solar controller - supplied with the cylinder
- DHW expansion vessel - 8 lt capacity - supplied with the cylinder
- Solar expansion vessel - 18 lt capacity - supplied with the cylinder

Enamelled steel cylinders for DHW production for solar integration (with circulating group) - UBSI

UBSI 300 UBSI 500

- cylinder
- hydraulic group
- expansion vessel

- Enamelled tank for DHW production, range 300 lt and 500 lt double coil models
- Solar circulating pump - supplied with the cylinder
- Solar controller - supplied with the cylinder
- 18 lt solar expansion vessel - supplied with the cylinder

Modello		UBSI 300	UBSI 500
Product code		7110598	7110599
Capacity	lt	300	500
Dimensions		1.899 x 604	1.983 x 754
Weight	kg	129	156
Maximum DHW pressure	bar	10	10
Maximum coil pressure	bar	10	10
Maximum working temperature	°C	95	95
Insulation		injected polyurethane	
Insulation thickness	mm	50	50
Heat losses	kWh/24h (ΔT=40°C)	2,2	3,8
Heat transfer coefficient	W/K	2,29	3,96
Coil exchange surface	m^2 sup.	1,0	1,0
	m^2 inf.	1,5	2,5
Coil heat exchange (T inlet 80°C - T DHW 10/45°C)	kW sup.	30	30
	kW inf.	42	63
Coil water content	lt sup.	6,8	6,8
	lt inf.	10,1	16,8
Nominal flow rate	m^3/h sup.	2,0	2,0
	m^3/h inf.	2,0	2,0
DHW production (T inlet 80°C - T DHW 10/45°)	lt/h sup.	737	737
	lt/h inf.	1032	1548
Pressure losses	mbar sup.	50	50
	mbar inf.	80	116
NL number (DIN4708)	-	1,3	3,8
Class		C	D

Technical pages 87

Vitrified enamelled steel cylinders for DHW production in centralized systems - UB SC/DC

- Tanks range from 800 to 2000 lt, single and double coil
- Enamelled vitrified tanks at 850°C to ensure high protection against corrosion
- Insulation made with high-density soft polyurethane 100 mm thickness
- Magnesium anode (2 in models with double coil) to safeguard the internal tank surface against corrosion
- Electric resistances of 1500 W, 2300 W, 3000 W with adjustable thermostat as option

Product code		UB 800 DC* LSC 71008801	UB 1000 DC* LSC 71010801	UB 1000 SC* LSC 71010701	UB 1500 DC* LSC 71015801	UB 2000 DC* LSC 71020801	UB 2000 SC* LSC 71020701
Capacity		800	1000	1000	1500	2000	2000
Dimensions	mm	1855 x 990	2105 x 990	2105 x 990	2185 x 1200	2470 x 1300	2470 x 1300
Weight	kg	220	265	245	365	480	410
Maximum DHW pressure	bar	10	10	10	8	8	8
Maximum coil pressure	bar	6	6	6	6	6	6
Maximum working temperature	°C	95	95	95	95	95	95
Insulation		soft polyurethane					
Insulation thickness	mm	100	100	100	100	100	100
Heat losses	kWh/24h (ΔT=40°C)	2,74	3,01	3,01	3,89	4,77	4,77
Heat transfer coefficient	W/K	2,85	3,15	3,15	4,09	4,97	4,97
Coil exchange surface	m^2 upper	1,6	1,6	-	1,8	2,8	-
	m^2 lower	2,7	3,0	3,0	3,4	4,6	4,3
Coil heat exchange (T inlet 80°C - T DHW 10/45°C)	kW upper	40	40	-	47	73	-
	kW lower	68	75	75	88	120	112
Coil water content	lt upper	9,3	9,3	-	10,4	16,9	-
	lt lower	15,2	17,5	17,5	19,5	28,1	26,2
Nominal flow rate	m^3/h upper	1,7	1,7	-	2,0	3,1	-
	m^3/h lower	2,9	3,2	3,2	3,8	5,2	4,8
DHW production (T inlet 80°C - T DHW 10/45°)	lt/h upper	1000	1000	-	1200	1800	-
	lt/h lower	1700	1800	1800	2200	2900	2800
Pressure losses	mbar upper	52	52	-	80	233	-
	mbar lower	236	329	329	499	1019	832
NL number (DIN4708)		27	35	29,3	45	60	37,3

* Tanks with capacity higher than 500 lt are not subject to energy labelling

Accessories

Electric resistance 1,5 kW for tanks	LNC71000036
Electric resistance 2,3 kW for tanks	LNC71000037
Electric resistance 3,0 kW for tanks	LNC71000038

BAXI

Steel cylinders for integration on the heating circuit

ErP OK

Technical pages 88-89

- Buffer tanks, pipe in tank, tank in tank range from 300 to 1000 lt
- Buffer tanks for heat pump for hot and cold water storage (UBPU)
- Buffer tanks for integration with solar systems on the heating circuit with stratifier (UBPU SC)
- Multi-energy storage tanks with DHW production (UBTT-UBPT) for domestic and residential applications
- Insulation with soft polyurethane 100 mm thickness or injected foam 50 mm
- Electric resistances of 1500 W, 2300 W, 3000 W with adjustable thermostat as option

Product code		UBPU 100 LSP 71003001	UBPU 300 7116702	UBPU 500 7116703
Capacity	lt	100	300	500
Dimensions	mm	1100 X 500	1560 x 600	1840 x 600
Weight	kg	35	55	100
Maximum working pressure	bar	6	6	6
Maximum working temperature	°C	95	95	95
Insulation		injected polyurethane		
Insulation thickness	mm	50	50	50
Heat losses	kWh/24h (ΔT=40°C)	0,71	1,57	2,11
Heat transfer coefficient	W/K	0,98	1,6	2,18
		B	C	D

Product code		UBPT 1000* LSC 71010601
Dimensions	mm	2110 x 990
Total capacity	lt	1000
DHW capacity	lt	48
DHW corrugate steel pipe surface	m^2	7,6
Exchange surface	m^2 upper	2
	m^2 lower	3
Potenza T primario 80°C - T ACS 10/45 °C	kW upper	42
	kW lower	75
Coil water content	lt upper	11,8
	lt lower	16,6
Nominal flow rate	m^3/h upper	1,8
	m^3/h lower	3,2
DHW production 80/60°C	lt/h upper	1000
	lt/h lower	1800
DHW production 80/60°C - 10/45°C*	lt/h	900
	kW	37
	lt/h	1230
	kW	50
Cylinder maximum temperature	lt/h	1890
	kW	77
Pressure losses	mbar upper	72
	mbar lower	313
NL number (DIN4708)	-	4,0
Weight	kg	315
DHW maximum pressure	bar	6
Maximum coil pressure	bar	6
Cylinder maximum temperature	°C	95
Heat loss	kWh/24h (ΔT=40°C)	3,01
Heat transfer coefficient	W/K	3,15
Insulation		soft polyurethane
Insulation thickness	mm	100

Product code		UBPU 500 SC LSC 71005301	UBPU 800 SC* LSC 71008301	UBPU 1500 SC* LSC 71015302
Capacity	lt	500	800	1500
Dimensions	mm	1775 x 850	1800 x 990	2165 x 1200
Weight	kg	140	200	285
Maximum working pressure	bar	6	6	6
Maximum working temperature	°C	95	95	95
Insulation		soft polyurethane		
Insulation thickness	mm	100	100	100
Heat losses	kWh/24h (ΔT=40°C)	2,18	2,74	3,89
Heat transfer coefficient	W/K	2,29	2,78	4,05
Coil exchange surface	m^2 lower	1,8	2,6	3,8
Coil heat exchange (T inlet 80°C - T DHW 10/45°C)	kW lower	45	65	99
Coil water content	lt lower	10,4	14,6	21,6
Nominal flow rate	m^3/h lower	1,9	2,8	4,2
DHW production (T inlet 80°C - T DHW 10/45°C)	lt/h lower	1100	1600	2400
Pressure losses	mbar lower	73	208	700
Class		D		

Product code		UBTT 300 7116704	UBTT 600* 7116705	UBTT 1000* LSC 71010501
Dimensions	mm	1315 x 700	1775 x 950	2050 x 990
Total capacity	lt	300	600	1000
DHW capacity	lt	170	170	220
Weight	kg	140	290	360
DHW maximum pressure	bar	6	6	6
Maximum coil pressure	bar	6	6	6
Cylinder maximum temperature	°C	95	95	95
Insulation		injected polyurethane	soft polyurethane	
Insulation thickness	mm	50	100	100
Heat losses	kWh/24h (ΔT=40°C)	1,57	2,52	2,97
Heat transfer coefficient	W/K	1,64	2,62	3,09
Exchange surface	m^2 lower	1,2	2,5	3,0
Coil heat exchange (T inlet 80°C - T DHW 10/45°C)	kW lower	29	63	75
Coil water content	lt	6,0	14,4	16,7
Nominal flow rate	m^3/h lower	1,2	2,7	3,2
DHW production (T inlet 80°C - T DHW 10/45°C)	m^3/h lower	713	1500	1800
Pressure drop	lt/h ilower	310	193	315
NL number (DIN4708)	mbar lower	1,0	2,2	5,0
Class		C		

* Tanks with capacity higher than 500 lt are not subject to energy labelling

Waters heaters

Technical pages 90-91

Electric water heaters

ErP OK

- Enamelled steel water tank
- Temperature regulation with external knob
- New ohmic protection system (reduced consumption of the magnesium anode)
- Polyurethane insulation without CFC and HCFC
- Analogic thermometer (not present in 10-15 l models)
- Built-in dielectric fitting
- Light indicator
- Grade of protection: IP24

	Product code	Class	Capacity l	Installation	Rating/Voltage W/V	Load profile	Dimensions	Net weight kg
V530	7110906	C	30	Upright	1.200/230	S	623 x 338 mm	10,3
V550	7110907	C	50	Upright	1.200/230	M	610 x 433 mm	16,5
V580	7110908	C	80	Upright	1.200/230	L	857 x 433 mm	21,5
V510	7110909	C	100	Upright	1.200/230	L	1019 x 433 mm	25
O580	7110910	C	80	Horizontal	1.500/230	M	832 x 433 mm	19,8
O510	7110911	C	100	Horizontal	1.500/230	L	994 x 433 mm	21,4
V580 TD	7110912	C	80	Thermoelectric upright (right connection)	1.500/230	L	857 x 433 mm	24,8
V580 TS	7110913	C	80	Thermoelectric upright (left connection)	1.500/230	L	857 x 433 mm	24,8
V510 TD	7110914	C	100	Thermoelectric upright (right connection)	1.500/230	L	1019 x 433 mm	29,5
V510 TS	7110915	C	100	Thermoelectric upright (left connection)	1.500/230	L	1019 x 433 mm	29,5
R501	7110903	B	10	Above sink	1.200/230	XXS	456 x 255 mm	6
R501 SL	7110902	B	10	Under sink	1.200/230	XXS	456 x 255 mm	6
R515	7110905	B	15	Above sink	1.200/230	XXS	399 x 338 mm	7,4
R515 SL	7110904	C	15	Under sink	1.200/230	XXS	399 x 338 mm	7,4

Technical pages 91

Gas storage water heaters - SAG3

ErP OK

- Piezoelectric ignition
- Porcelain enamel vitrified steel boiler
- Polyurethane insulation without CFC
- Glass wool insulation (mod. 300 T)
- Thermostatic regulation of the temperature
- Magnesium anode
- Wall hung or floor standing installation

Product code		SAG3 50 7116717	SAG3 80 7116718	SAG3 100 7116719	SAG3 115 T 7116720	SAG3 150 T 7116721	SAG3 190 T 7116722	SAG3 300 T 7116723
Capacity	lt	50	80	100	115	150	190	300
Maximum heat input	kW	4,6	5,3	5.3	8,2	8,2	8,2	23,2
Maximum heat output	kW	3,9	4,4	4,4	6,9	6,9	6,9	19,9
DHW temperature regulation	°C	40-70	40-70	40-70	40-70	40-70	40-70	40-70
DHW flow rate ΔT 45 °C (15-60 °C)	l/h	75	85	85	132	132	132	380
Thermostat		•	•	•	•	•	•	•
Gas type		Nat. Gas/LPG	Nat. Gas/LPG	Nat. Gas/LPG	Nat. Gas/LPG	Nat. Gas/LPG	Nat. Gas/LPG	Nat. Gas/LPG
Thermometer		•	•	•	•	•	•	•
Height	mm	755	960	1130	1150	1400	1650	1685
Diameter	mm	440	440	440	490	490	490	650
Weight (empty)	kg	26	33	41	49	65	78	137
Class		B	B	B	B	B	B	B
Load profile		M	M	M	L	L	L	XL

Nozzles for LPG operation included
Water heaters are calibrated to methane gas

Gas instantaneous water heaters - Acquaprojet+

Open flue models

- Piezoelectric ignition (mod. p)
- Electronic ignition with battery (mod. i)
- Electronic detection of presence of flame (mod. i)
- Ignition minimum flow 2,5 lt/min
- Digital control panel with LCD display and temperature visualization (mod. i)

Product code		Acquajet+ 14i 7219083	Acquajet+ 14i GL 7219085	Acquajet+ 11p 7219081	Acquajet+ 11i 7219082	Acquajet+ 11 GL 7219084
Maximum heat output	kW	24	23,7	19	19	19
Ignition		electronic with battery	electronic with battery	piezoelectric	electronic with battery	electronic with battery
DHW production	l/min	14	14	11	11	11
Dimensions (h x l x p)	mm	650 x 363 x 245	650 x 363 x 245	592 x 315 x 245	592 x 315 x 245	592 x 315 x 245
Weight	kg	12,6	12,6	10,6	11,1	11,1
Class		A	A	A	A	A
Load profile		L	L	M	M	M

Technical pages 94

SPC 180 ECO

NEW

ErP OK

- Domestic hot water production up to 65°C with R134A gas (70°C with electric resistance)
- From 5° to 43°C outdoor air temperature operation
- Easy multi-function display that allows to choose between the functions: heat pump, electric resistance, combination
- 1,55 kW integrated electrical resistance
- Magnesium anode

Product code		SPC 180 ECO 7629069
Capacity	l	180
Heat pump power*	kW	1,5
Absorbed electrical power*	We	460
COP*		2,88
Integrated electrical resistance power	kW	1,55
Maximum working pressure	bar	8
Voltage supply	V	230 V Mono
DHW quantity supplied at a temperature of 40°C (domestic cold water at 10°C)**	l	205,2
Heat rejection	kWh/24h	0,73
Air flow	m^3/h	350
Maximum water temperature with heat pump	°C	65
Maximum water temperature with electric resistance	°C	70
Min/max air temperature	°C	5/43
Minimum volume of the installation room	m^3	15
R134 A coolant	kg	0,8
Sound pressure***	dB(A)	46,2
Dimensions (h x Ø)	mm	552 x 1670
Empty weight	kg	102
Class		A
Load profile		L

* * Value for domestic water heating from 10° to 54°C with air in entrance at 15°C temperature.
** Value for air in entrance at 15°C temperature and domestic cold water at 10°C - EN16147
*** Measured at a 2-meters distance.

SPC

ErP OK

- Domestic hot water production up to 65°C with R134A gas
- Programmable and remotable control panel
- Limited electrical absorption: 500 W
- Low noise-level at a 2 m distance
- From -5° to 35°C external air temperature operation
- Model with solar integration (SPC-S)
- Condenser wrapped directly around the indirect cylinder - to guarantee an efficient heat transfer without scale formation
- Electrical pulse titanium anode
- 1,6 kW Integrated electrical resistance

Product code		SPC 200 7213893	SPC 300 7112974	SPC 300 S 7112975
Capacity	l	210	270	265
Heat pump power*	kW	1,7	1,7	1,7
Absorbed electrical power*	We	500	500	500
COP*		3,5	3,7	3,6
Integrated electrical resistance power	kW	1,6	1,6	1,6
Maximum working pressure	bar	10	10	10
Voltage supply	V	230V Mono	230V Mono	230V Mono
SPC 300 S exchange surface	m2	-	-	1
DHW quantity supplied at a temperature of 40°C (domestic cold water at 15° C)	l	240	357	358
Heat rejection	kWh/24h	0,73	0,67	0,75
Air flow	m3/h	385	385	385
Air pressure available for fan	Pa	50	50	50
Maximum length for air connection Ø 160mm / Ø 200mm	m	10/20	10/20	10/20
R134 A coolant	kg	1,45	1,45	1,45
Sound pressure**	dB(A)	39	39	39
Dimensions (h x Ø)	mm	1690 x 690	2000 x 690	2000 x 690
Empty weight	kg	92	105	123
Class		A	A	A
Load profile		L	XL	XL

* Value for domestic water heating from 10° to 51°C with 15°C temperature for air in entrance.
** Measured at a 2-meters distance.

Accessories

Single connection air - vertical
(2 pieces to be ordered to have the complete kit) 7213894

Air conditioning

Luna Clima

- Energy efficiency A++ in cooling, A+ in heating
- Coolant gas R410A
- Highly silent operation (max 20 dBA)
- Extended operating limits operating from -15°C to +45°C
- Installation flexibility the indoor unit can be connected from the back, right and left
- Remote control with LCD display supplied with the product and the double keyboard including a quick menu
- Operating restarts automatically in case of lack of voltage
- 0,5 W stand-by to reduce consumptions

Models MONO split		9000	12000	18000	24000
OUTDOOR unit		LST25-S	LST35-S	LST50-S	LST70-S
SEER		6,1	6,1	6,1	6,1
SCOP		4	4	4	4
Rated cooling capacity	kW	2,55	3,55	5,1	7
Rated heating capacity	kW	2,65	3,55	5,4	7,3
Dimensions (w x h x d)	mm	720x540x260	760x540x260	802x535x298	800x690x300
Weight	kg	26	27	38	50
INDOOR unit		LSNW25	LSNW35	LSNW50	LSNW70
Dimensions (w x h x d)	mm	800x300x198	800x300x198	970x315x235	1100x330x235
Weight	kg	10	10	14	16

Models MULTI split		18000 (dual)	27000 (trial)	
OUTDOOR unit		LST50-2M	LST50-3M	
SEER		6,1	6,1	
SCOP		4	4	
Rated cooling capacity	kW	5	7,52	
Rated heating capacity	kW	5,50	7,95	
Dimensions (w x h x d)	mm	800x590x300	800x690x300	
Weight	kg	40	52	
		7000	9000	12000
INDOOR unit		LSNW20	LSNW25	LSNW35
Dimensions (w x h x d)	mm	800x300x198	800x300x198	800x300x198
Weight	kg	10	10	10

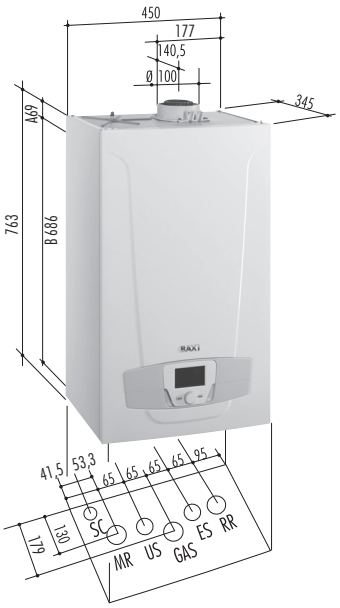
Technical Section

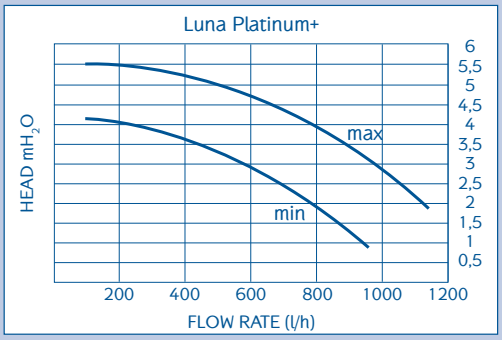
Technical drawings Graphs Flue systems

Condensing gas boilers

Luna Platinum+
24 GA, 33 GA,
1.12 GA, 1.18 GA,
1.24 GA, 1.32 GA

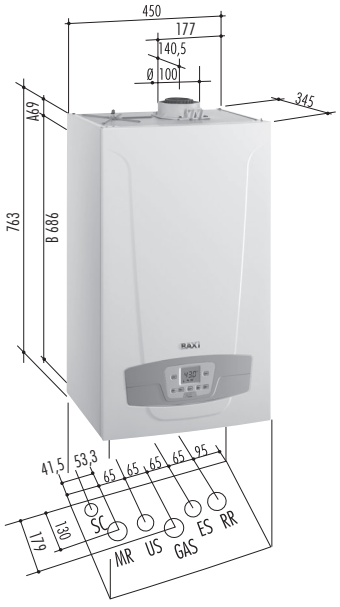
MR Heating system flow G 3/4"
US DHW outlet G 1/2"
(for heating only models storage; tank flow G 3/4")
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"
SC Condensing trap possible to connect on a pipe Ø 21
A Boiler hanging points. Distance between hanging points: 298 mm
B Distance between hanging points and hydraulic connections

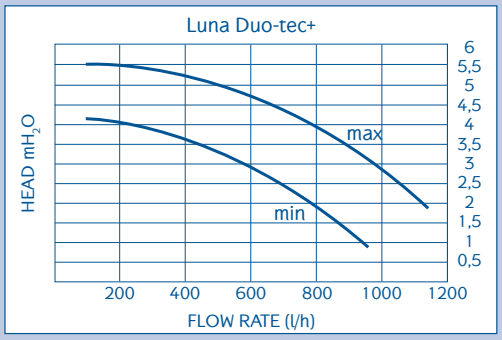




Luna Duo-tec+
24 GA, 28 GA, 33 GA, 40 GA,
1.12 GA, 1.24 GA, 1.28 GA

MR Heating system flow G 3/4"
US DHW outlet G 1/2"
(for heating only models storage; tank flow G 3/4")
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"
SC Condensing trap possible to connect on a pipe Ø 21
A Boiler hanging points. Distance between hanging points: 298 mm
B Distance between hanging points and hydraulic connections

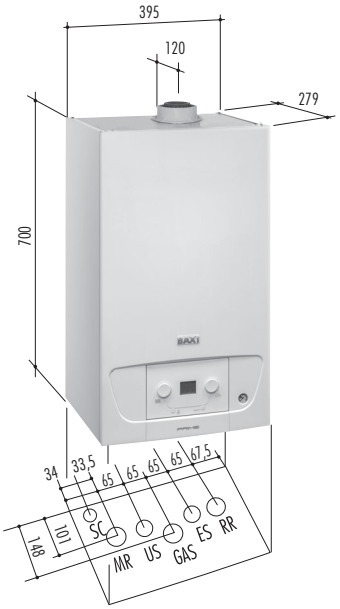


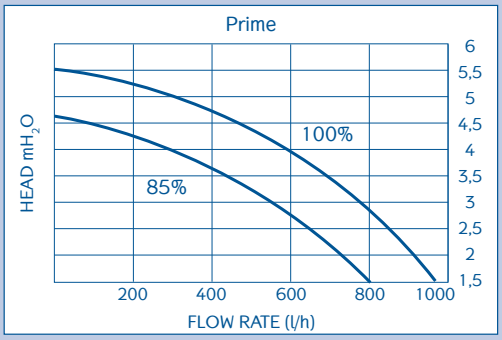


Condensing gas boilers

Prime
24, 28

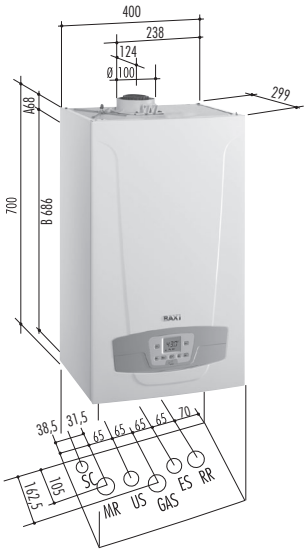
MR Heating system flow G 3/4"
US DHW outlet G 1/2"
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"
SC Condensing trap possible to connect on a pipe Ø 22

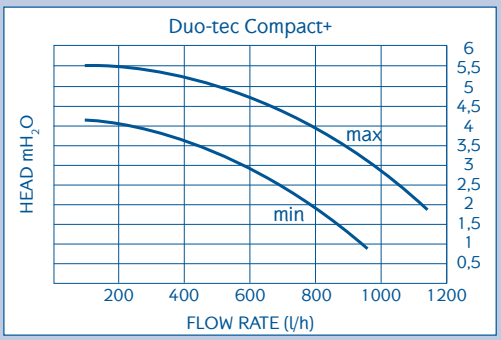




Duo-tec Compact+
20 GA, 24 GA,
28 GA, 1.24 GA

MR Heating system flow G 3/4"
US DHW outlet G 1/2"
(for heating only models storage; tank flow G 3/4")
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"
SC Condensing trap possible to connect on a pipe Ø 21
A Boiler hanging points. Distance between hanging points: 298 mm
B Distance between hanging points and hydraulic connections

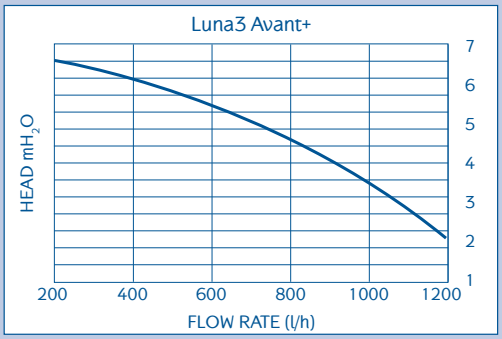




Condensing gas boilers

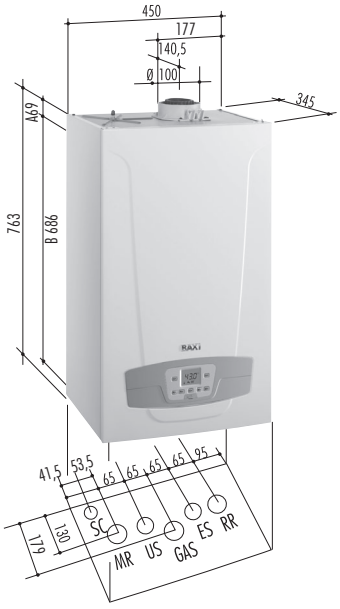
Luna3 Avant+
240 Fi

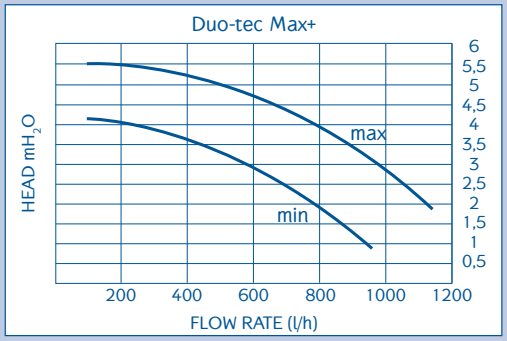
MR Heating system flow G 3/4"
MR Heating system flow G 3/4"
US DHW outlet G 1/2"
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"
SC Condensing trap
A Boiler hanging points. Distance between hanging points: 425 mm
B Distance between hanging points and hydraulic connections



Duo-tec Max+
33 GA

MR Heating system flow G 3/4"
US DHW outlet G 1/2"
(for heating only models storage; tank flow G 3/4")
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"
SC Condensing trap possible to connect on a pipe Ø 21
A Boiler hanging points. Distance between hanging points: 298 mm
B Distance between hanging points and hydraulic connections

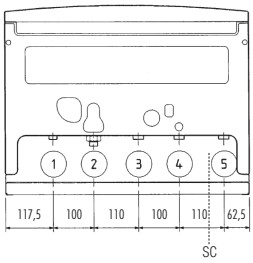




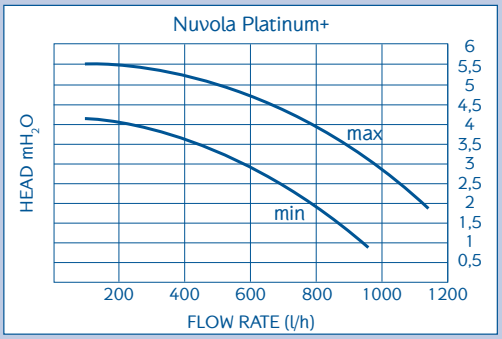
Condensing gas boilers

Nuvola Platinum+
24 GA, 33 GA

1 DHW outlet G 1/2"
2 Mains water G 1/2"
3 Heating system return G 3/4"
4 Heating system flow G 3/4"
5 Gas inlet G 3/4"
SC Condensing trap possible to connect on a pipe Ø21

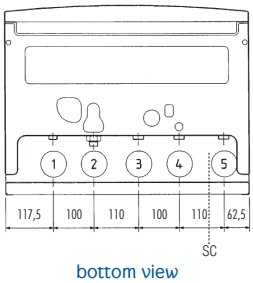


bottom view

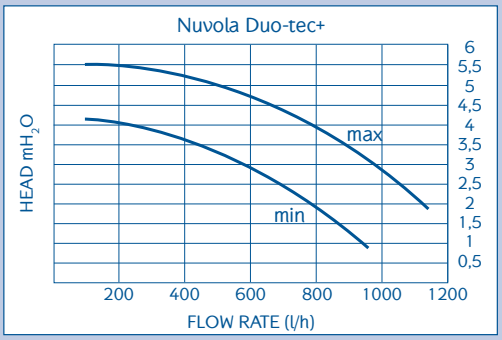


Nuvola Duo-tec+
16 GA, 24 GA

1 DHW outlet G 1/2"
2 Mains water G 1/2"
3 Heating system return G 3/4"
4 Heating system flow G 3/4"
5 Gas inlet G 3/4"
SC Condensing trap possible to connect on a pipe Ø21

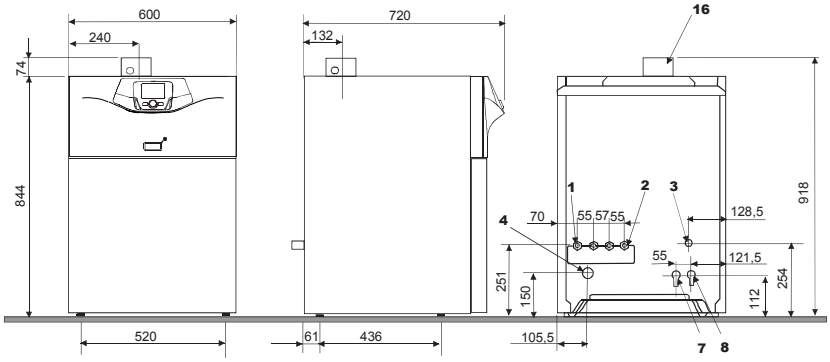


bottom view



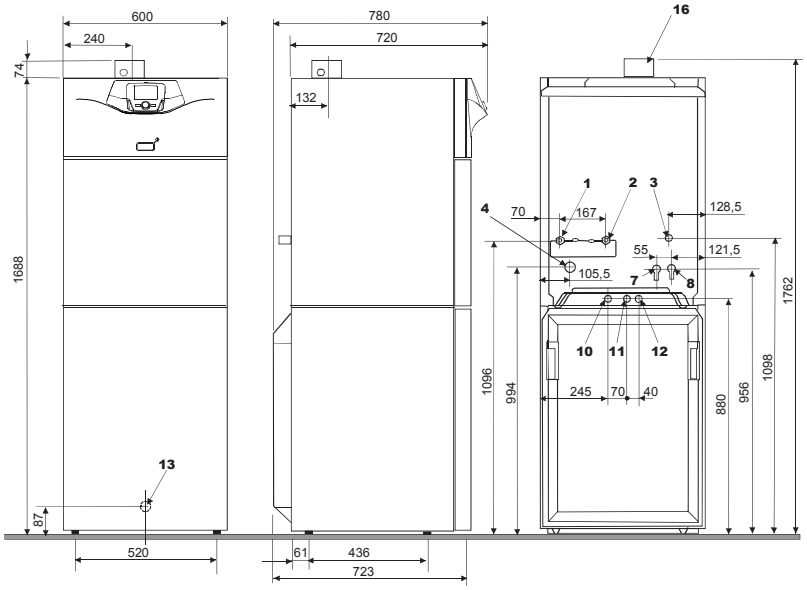
Combi with DHW storage and solar integration

Power 1.32
Heating only



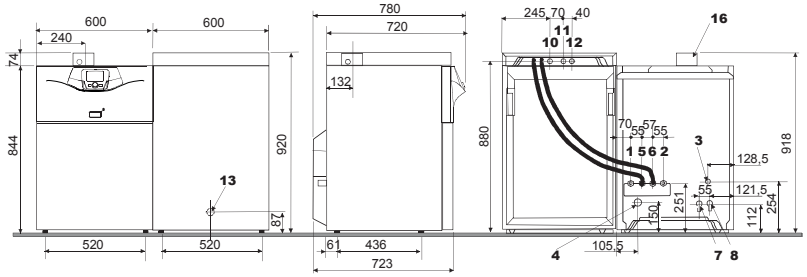
1 Heating system return G 3/4"
2 Heating system flow G 3/4"
3 Gas inlet 1/2"
4 Condensing trap Ø 24x19
7 2a zoneflow (optional) G 3/4"
8 2a zone return (optional) G 3/4"
16 Flue Ø 60/100 - (80/125 available as accessory)

Power 32 Combi 160
Tank above the boiler



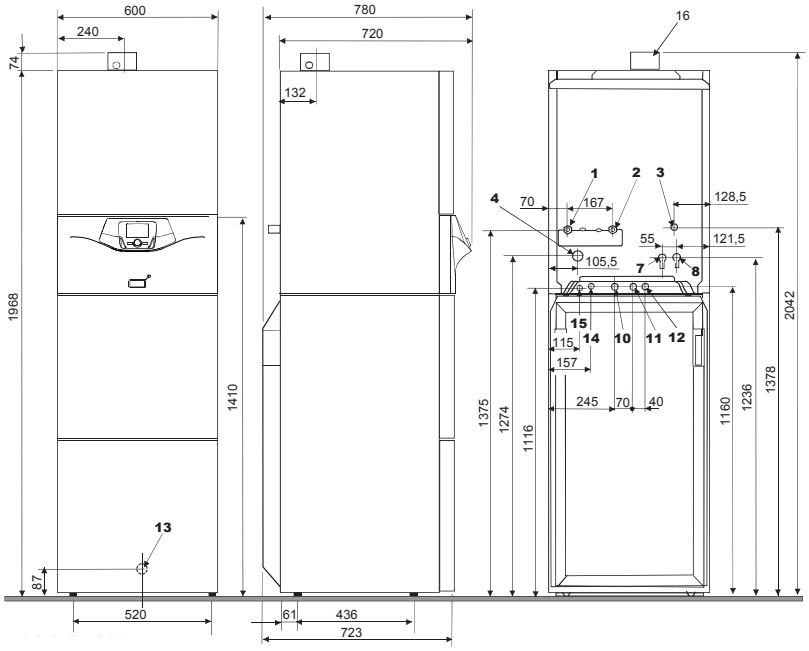
1 Heating system return G 3/4"
2 Heating system flow G 3/4"
3 Gas inlet 1/2"
4 Condensing trap Ø 24x19
5 DHW tank return G 3/4"
6 DHW tank flow G 3/4"
7 2a zoneflow (optional) G 3/4"
8 2a zone return (optional) G 3/4"
10 Mains water G 3/4"
11 DHW outlet G 3/4"
12 Recirculation outlet G 3/4"
13 Drain Ø 14
16 Flue Ø 60/100 - (80/125 available as accessory)

Power 32 Combi 160
Tank beside the boiler

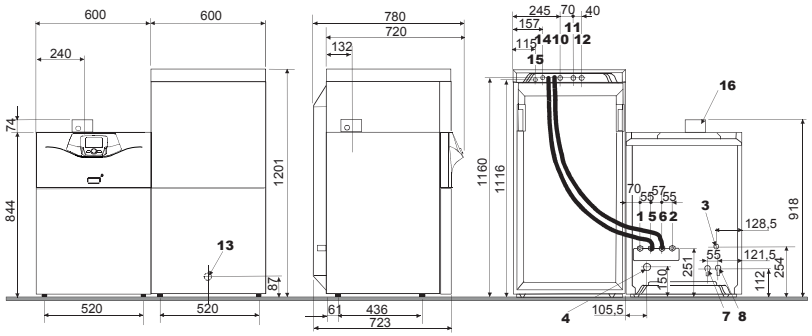


Combi with DHW storage and solar integration

Power 32 Solar 220
Tank above the boiler



Power 32 Solar 220
Tank above the boiler

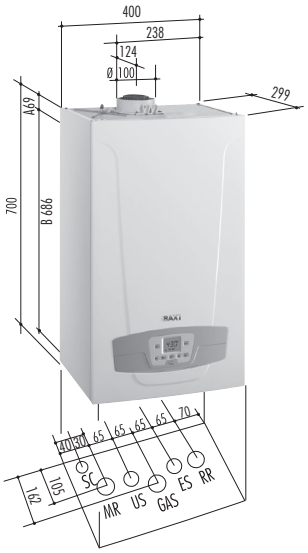


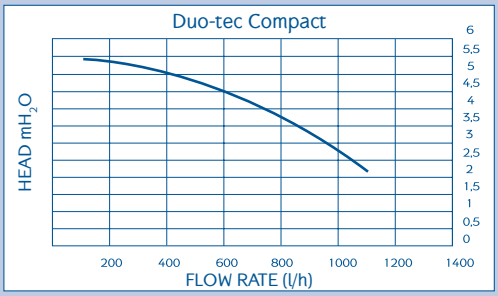
1 Heating system return G 3/4"
2 Heating system flow G 3/4"
3 Gas inlet 1/2"
4 Condensing trap Ø 24x19
5 DHW tank return G 3/4"
6 DHW tank flow G 3/4"
7 2a zoneflow (optional) G 3/4"
8 2a zone return (optional) G 3/4"
10 Mains water G 3/4"
11 DHW outlet G 3/4"
12 Recirculation outlet G 3/4"
13 Drain Ø 14
14 Solar coil inlet G 3/4"
15 Solar coil outlet G 3/4"
16 Flue Ø 60/100 - (80/125 available as accessory)

Non-Erp condensing boilers

Duo-tec Compact
20 GA, 24 GA,
28 GA, 1.24 GA

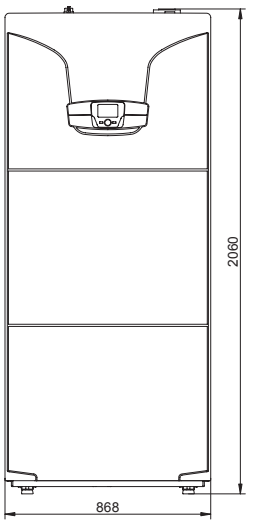
MR Heating system flow G 3/4"
US DHW outlet G 1/2"
(for heating only models storage; tank flow G 3/4")
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"
SC Condensing trap possible to connect on a pipe Ø 21
A Boiler hanging points. Distance between hanging points: 298 mm
B Distance between hanging points and hydraulic connections



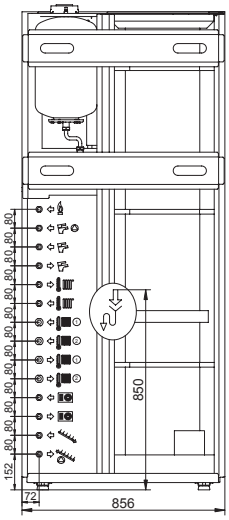


Hybrid Systems

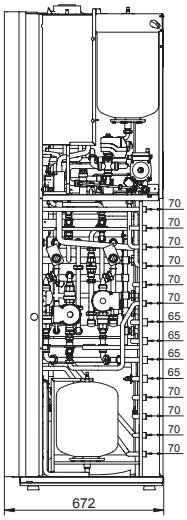
CSI-i



frontal view



back view

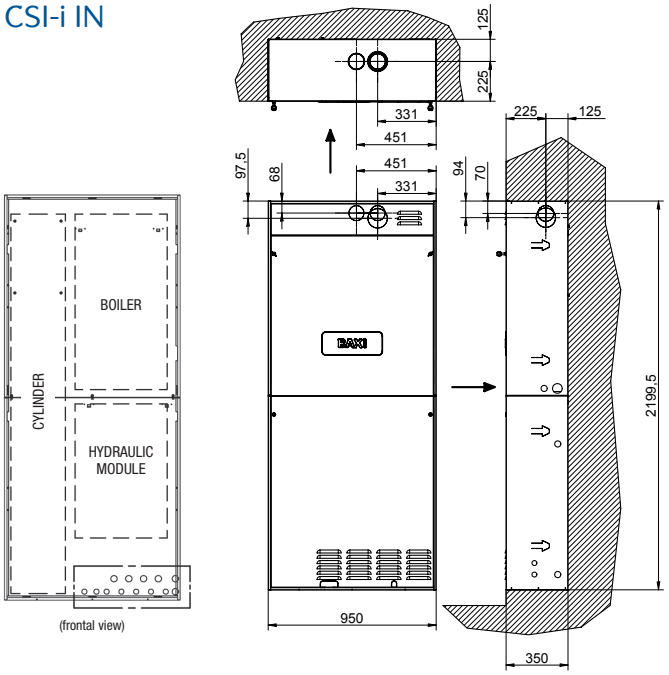


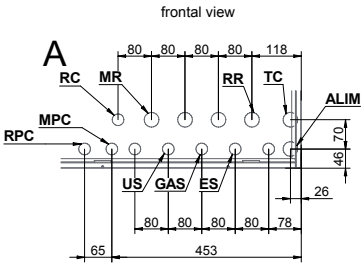
side view

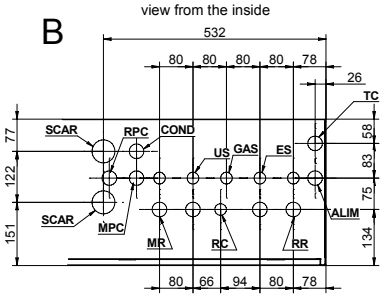
- Gas G3/4"
- Recirculation G3/4"
- Cold water inlet G3/4"
- DHW outlet G3/4"
- Heating flow high temperature zone G3/4"
- Heating return high temperature zone G3/4"
- Heating return 1° low temperature zone G1"
- Heating return 2° low temperature zone G1"
- Heating flow 1° low temperature zone G1"
- Heating flow 2° low temperature zone G1"
- Heat pump flow G3/4"
- Heat pump return G3/4"
- Solar collector flow G3/4"
- Solar collector return G3/4"

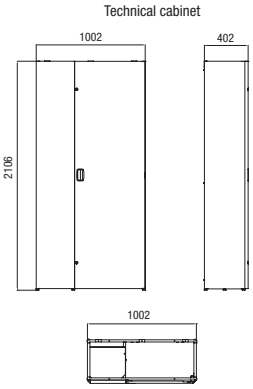
Hybrid Systems

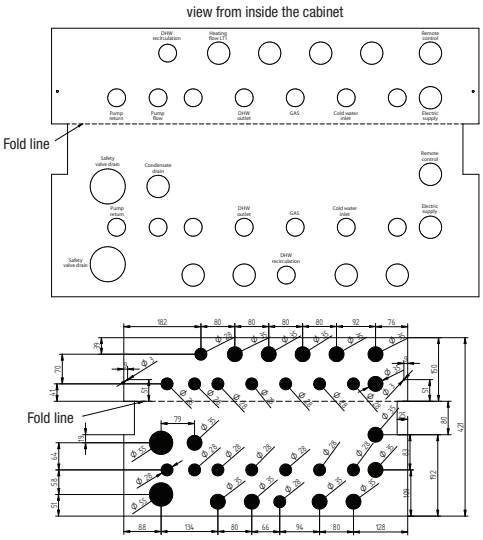
CSI-i IN







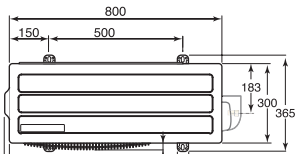




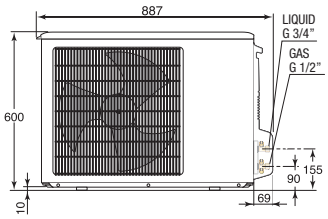
MR	Heating flow G1"
RR	Heating return G1"
MPC	Pump flow (hot water from the heat pump) G1"
RPC	Pump return (cold water to the heat pump) G1"
SCAR	Safety valve drain
ES	Cold water inlet G 1/2"
US	DHW outlet G 1/2"
ALIM	Power supply
GAS	Gas inlet G 3/4"
COND	Condensate drain
RC	DHW recirculation
TC	Remote control

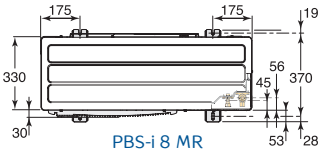
Heat pumps

PBS-i MR
OUTDOOR UNIT

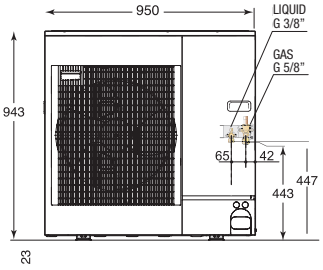


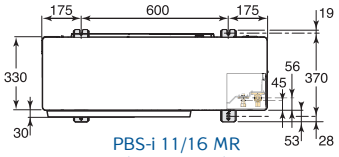
PBS-i 4/6 MR
(weight 42 kg)



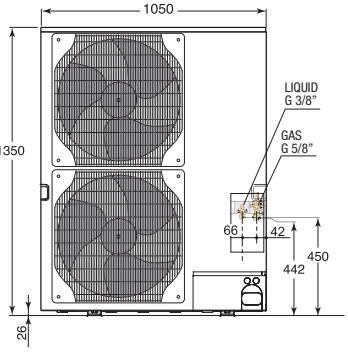


PBS-i 8 MR
(weight 75 kg)



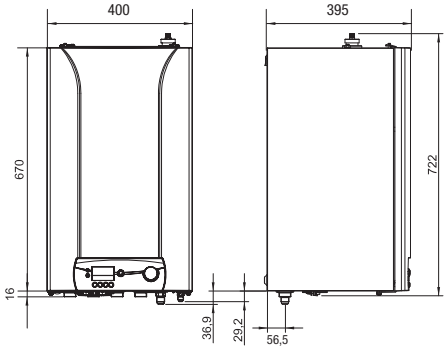


PBS-i 11/16 MR
(weight 118 kg)

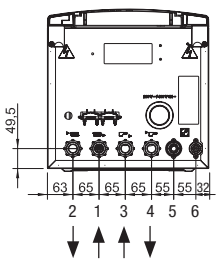


SYSTEM MANAGER PBS-i H/EM
INDOOR UNIT

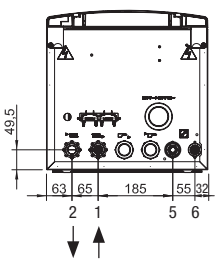
SYSTEM MANAGER		WEIGHT
4/6/8 MR H/EM	kg	35
11/16 MR H/EM	kg	37



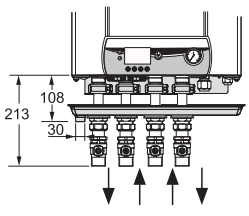
SYSTEM MANAGER PBS-i H

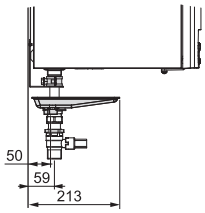


SYSTEM MANAGER PBS-i EM

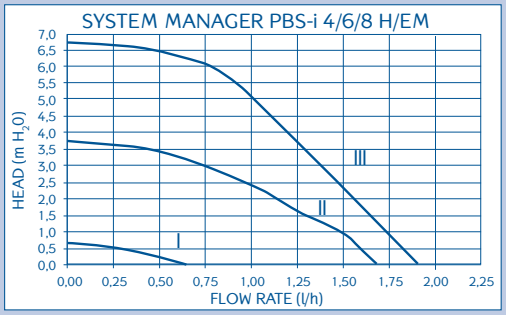


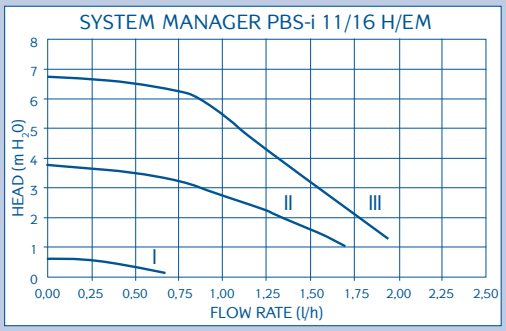
1 Heating return G 1"
2 Heating flow G 1"
3 Boiler inlet connection G 1"
(only for System Manager PBS-I H)
4 Boiler outlet connection G 1"
(only for System Manager PBS-I H)
5 Refrigerant gas fitting G 5/8"
6 Refrigerant liquid fitting G 3/8"





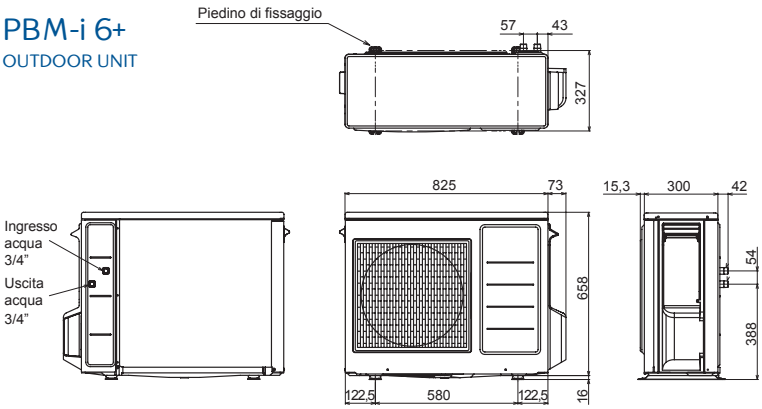
In case of installation with the condensate drain pan for System Manager PBS-I H/ EM (compulsory in case of cooling with fan coil)

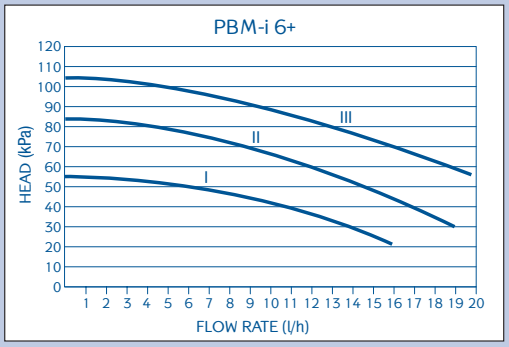




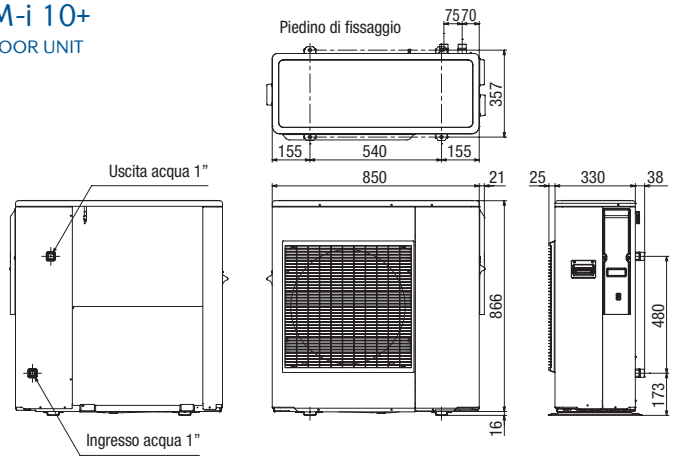
Heat pumps

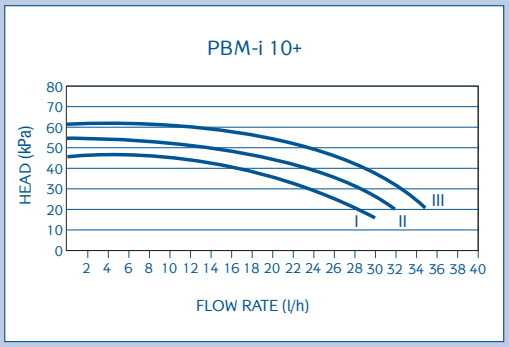
PBM-i 6+
OUTDOOR UNIT



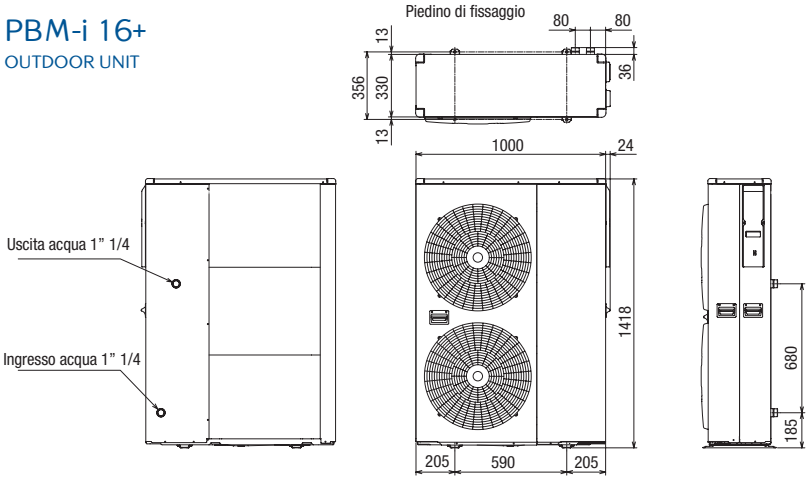


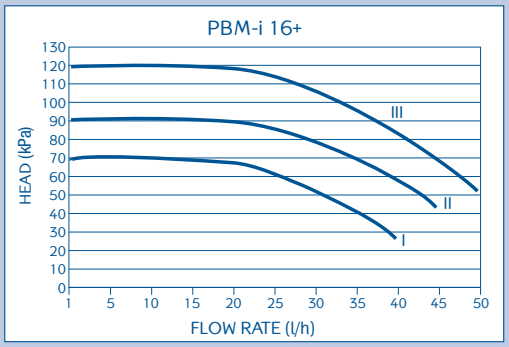
PBM-i 10+
OUTDOOR UNIT



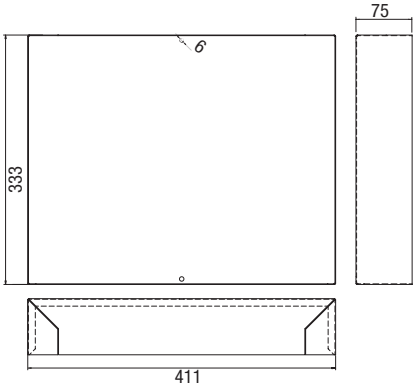


PBM-i 16+
OUTDOOR UNIT





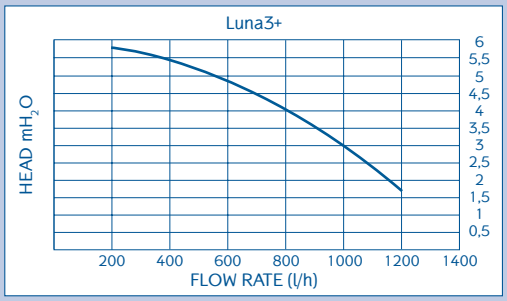
Indoor module for PBM-I (system Manager)



Gas boilers

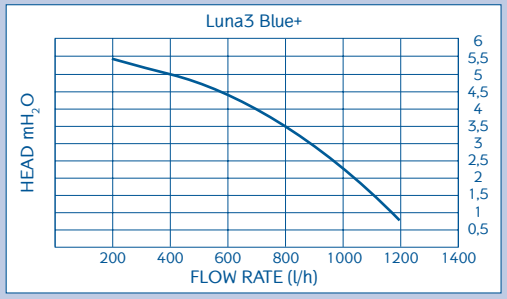
Luna3+

M.R. Heating system flow G 3/4"
US DHW outlet G 1/2"
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"
A Boiler hanging points. Distance between hanging points: 425 mm
B Distance between hanging points and hydraulic connection



Luna3 Blue+
180 i, 240 i

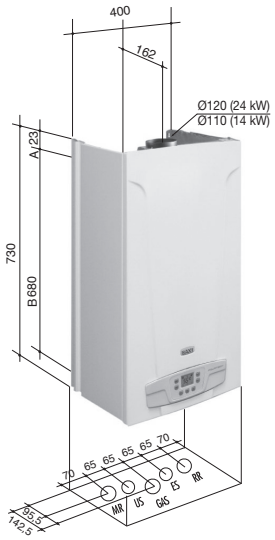
MR Heating system flow G 3/4"
US DHW outlet G 1/2" (for heating only models storage tank flow G 3/4")
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"
A Boiler hanging points. Distance between hanging points: 425 mm
B Distance between hanging points and hydraulic connection
C Ø 110: 180 i – Ø 130: 240 i

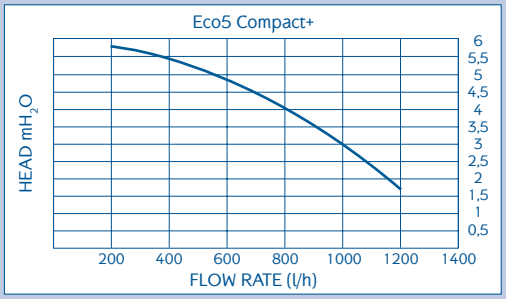


Gas boilers

Eco5 Compact+ 24

M.R. Heating system flow G 3/4"
US DHW outlet G 1/2"
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"
A Boiler hanging points. Distance between hanging points: 343 mm
B Distance between hanging points and hydraulic connection





Eco5 Compact+ 1.24/80L Combi

Eco5 Compact+ 1.24

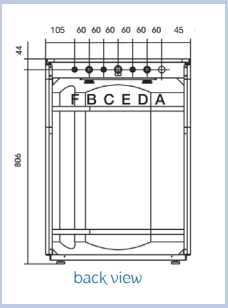
M.R. Heating system flow G 3/4"
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"
A Boiler hanging points. Distance between hanging points: 246 mm
B Distance between hanging points and hydraulic connection

Boiler weight: 26 kg

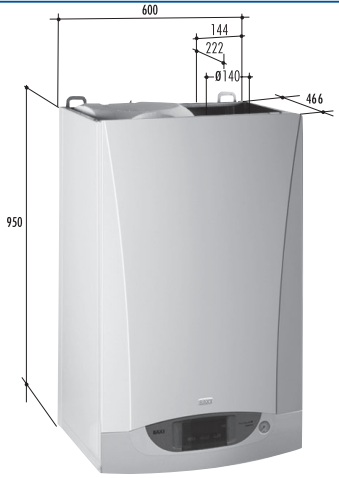
UB 80 INOX

Tank weight: 60 kg

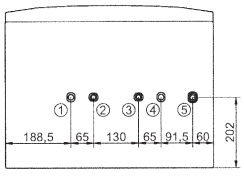
A Connection heating system flow/ indirect cylinder 3/4" M
B Connection indirect cylinder return/ heating system 3/4" M
C Mains water1/2" M
D DHW outlet 1/2" M
E Relief valve1/2" F
F Recirculation 1/2" M



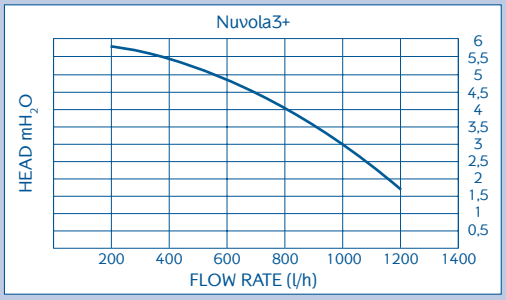
Nuvola3+



1 Heating system flow G 3/4"
2 DHW outlet G 1/2"
3 Mains water G 1/2"
4 Heating system return G 3/4"
5 Gas inlet G 3/4"

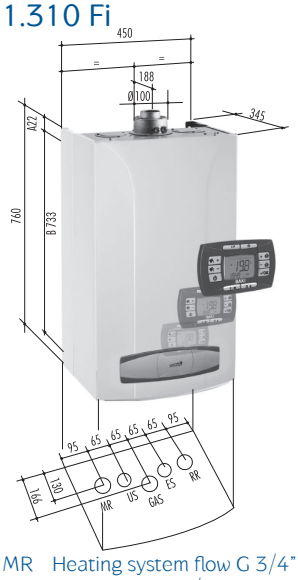


bottom view

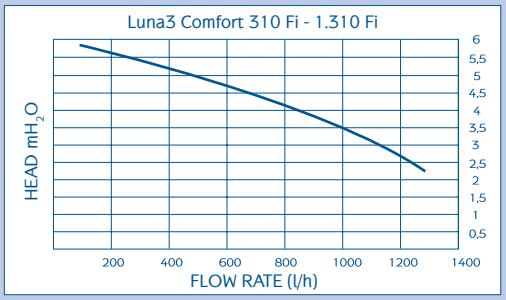


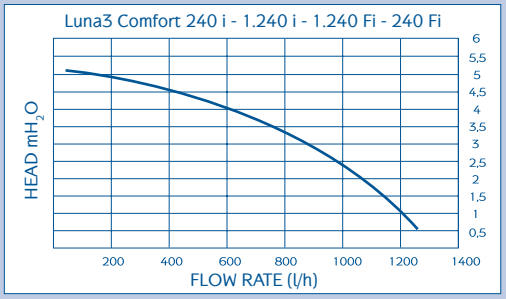
Non-ErP gas boilers

Luna3 Comfort 240 Fi, 310 Fi, 1.240 Fi, 1.310 Fi



Luna3 Comfort 240 i, 1.240 i

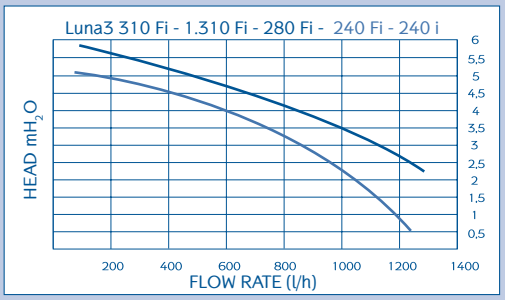




MR Heating system flow G 3/4"
US DHW outlet G 1/2"
(for heating only models storage tank flow G 3/4")
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"
A Boiler hanging points.
Distance between hanging points: 425 mm
B Distance between hanging
points and hydraulic connection

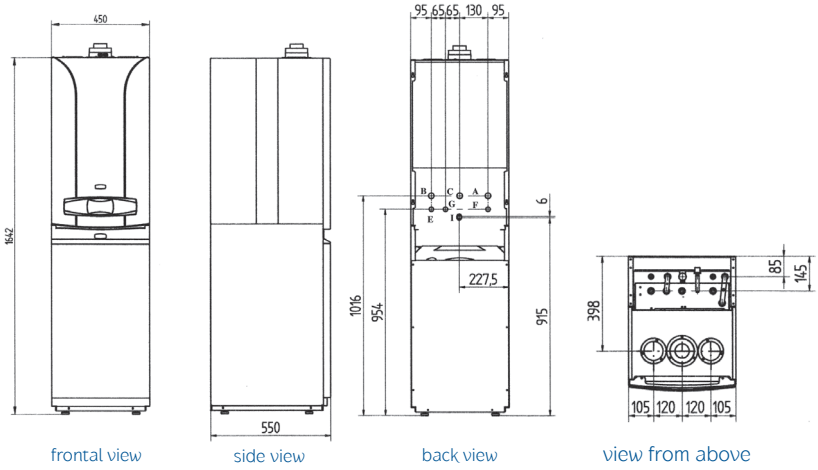
Luna3 240 Fi, 280 Fi, 310 Fi, 1.310 Fi

Luna3 240 i

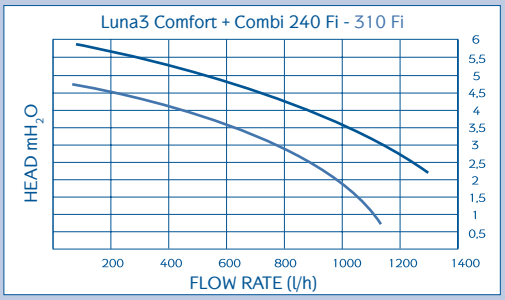


MR Heating system flow G 3/4"
US DHW outlet G 1/2"
(for heating only models storage tank flow G 3/4")
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"
A Boiler hanging points.
Distance between hanging points: 425 mm
B Distance between hanging
points and hydraulic connection

Luna3 Comfort + Combi 240 Fi, 310 Fi

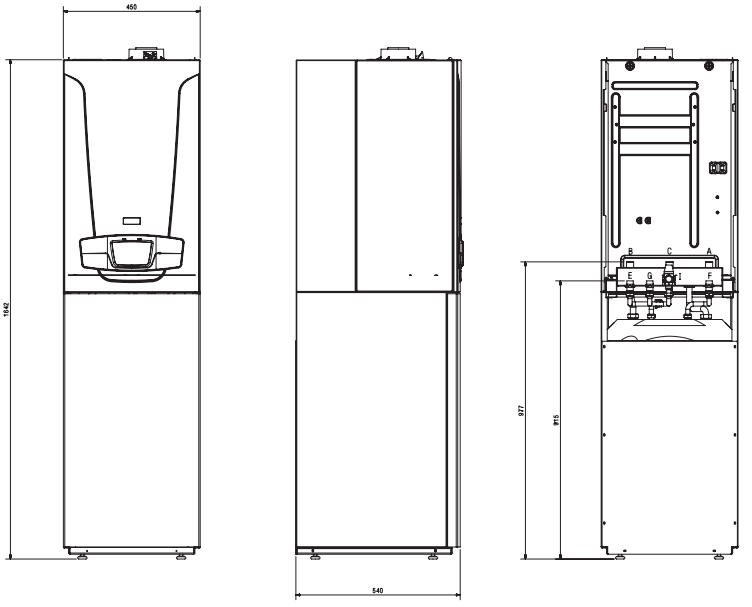


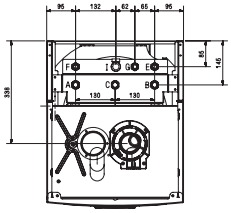
frontal view | side view | back view | view from above



A Heating system flow G 3/4" M
B Heating system return G 3/4" M
C Gas inlet G 3/4" M
E Mains water G 1/2" M
F DHW outlet G 1/2" M
G DHW recirculation G 1/2" M
I DHW relief valve outlet

Luna Platinum + Combi 80 L+

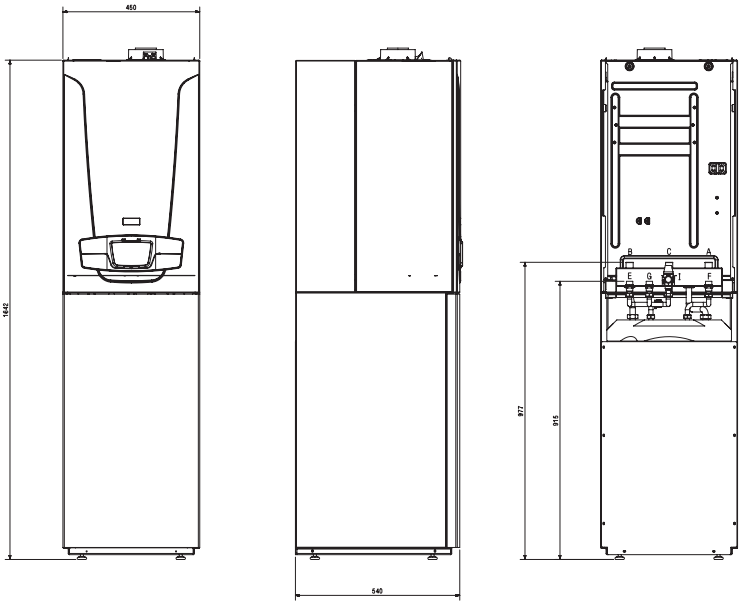


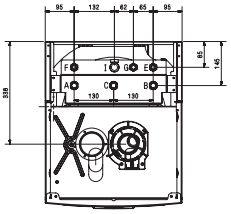


A Heating system flow G 3/4" M
B Heating system return G 3/4" M
C Gas inlet G 3/4" M
E Mains water G 1/2" M
F DHW outlet G 1/2" M
G DHW recirculation G 1/2" M
H Condensing trap possible to connect on pipe Ø 21
I DHW relief value outlet

Non-ErP gas boilers

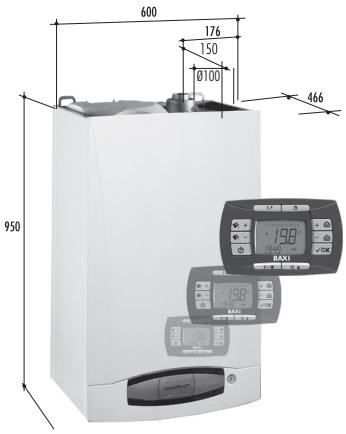
Luna Duo-tec + Combi 80 L+



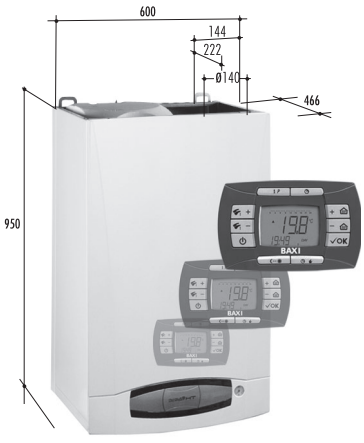


A Heating system flow G 3/4" M
B Heating system return G 3/4" M
C Gas inlet G 3/4" M
E Mains water G 1/2" M
F DHW outlet G 1/2" M
G DHW recirculation G 1/2" M
H Condensing trap possible to connect on pipe Ø 21
I DHW relief value outlet

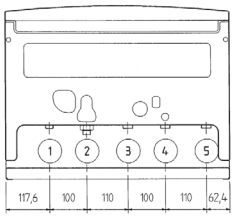
Nuvola3 Comfort 240 Fi, 280 Fi, 320 Fi



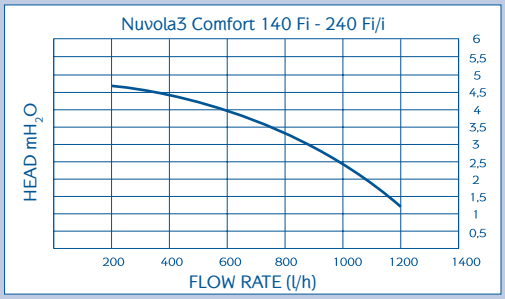
Nuvola3 Comfort 240 i, 280 i

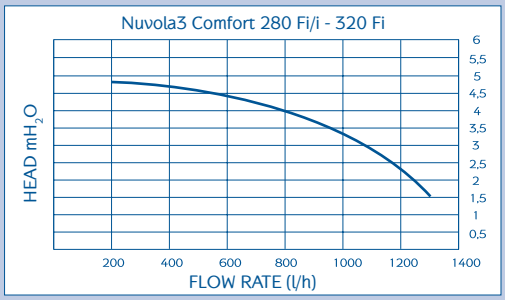


1 DHW outlet G 1/2"
2 Mains water G 1/2"
3 Heating system return G 3/4"
4 Heating system flow G 3/4"
5 Gas inlet G 3/4"



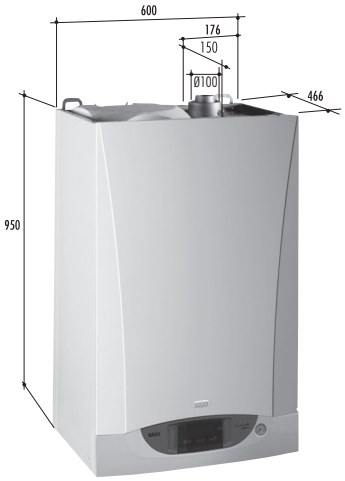
bottom view



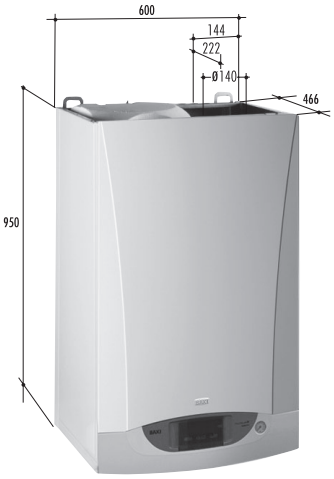


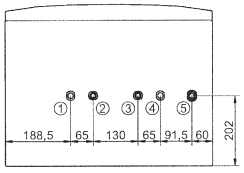
Non-ErP gas boilers

Nuvola3 BS 40
140 Fi, 240 Fi, 280 Fi



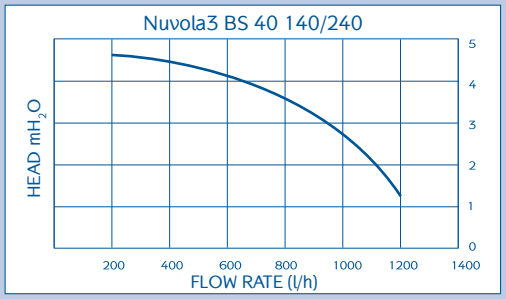
Nuvola3 BS 40
240 i, 280 i

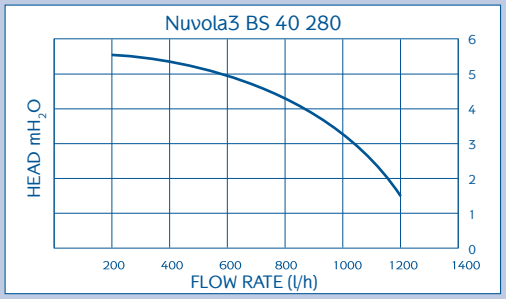




bottom view

1 Heating system flow G 3/4"
2 DHW outlet G 1/2"
3 Mains water G 1/2"
4 Heating system return G 3/4"
5 Gas inlet G 3/4"



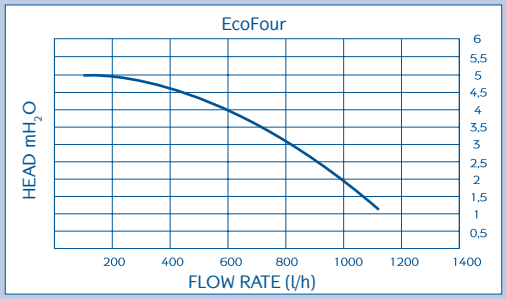


Ecofour
24 F, 1.14 F, 1.24 F

Ecofour
24, 1.14, 1.24

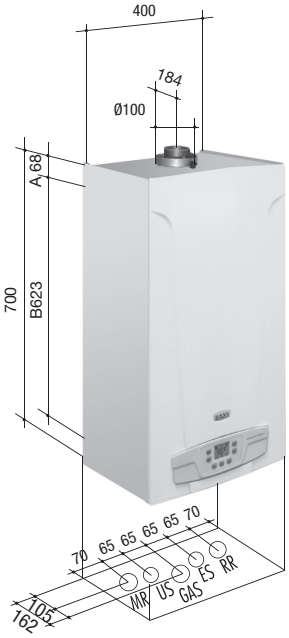
MR Heating system fl ow G 3/4"
US DHW outlet G 1/2"
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"

A Boiler hanging points. Distance between hanging points: 343 mm
B Distance between hanging points and hydraulic connection



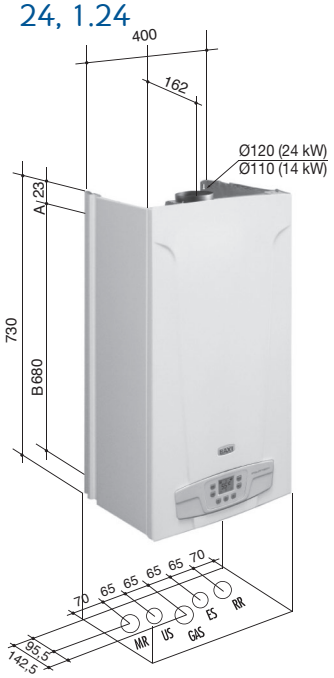
Non-ErP gas boilers

Eco5 Compact
14 F, 18 F, 24 F, 1.14 F, 1.24 F

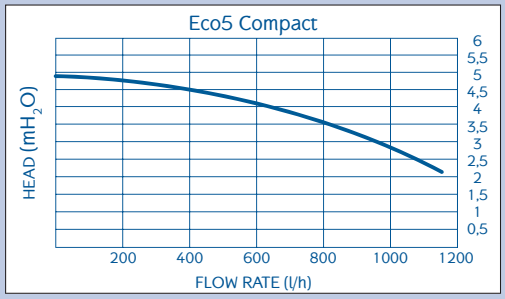


MR Heating system flow G 3/4"
US DHW outlet G 1/2" (24F) (for heating only models, tank flow G 3/4")
GAS Gas inlet G ¾"
ES Mains water G 1/2"
RR Heating system return G 3/4"

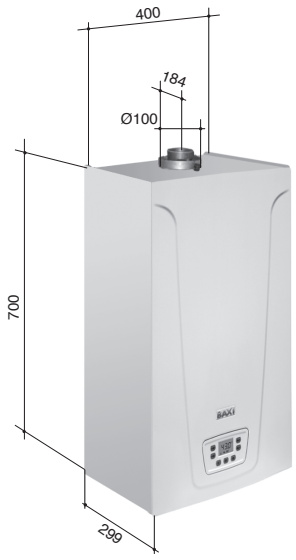
Eco5 Compact
24, 1.24



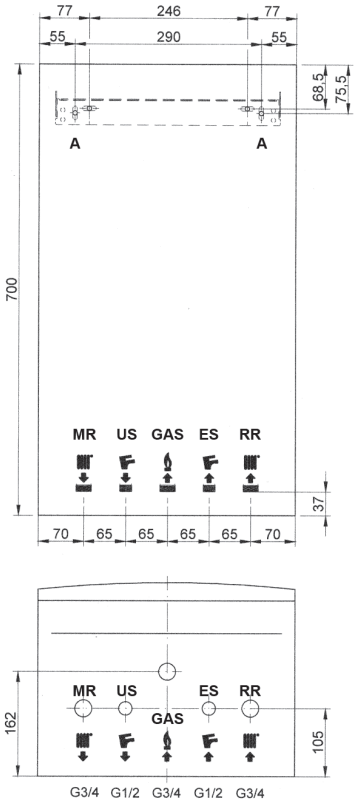
A Boiler hanging points. Distance between hanging points: 246 mm
B Distance between hanging points and hydraulic connections

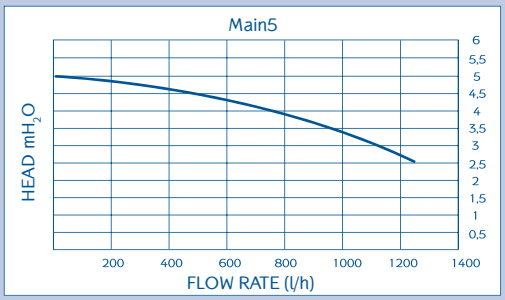


Main5
24 F, 18 F, 14 F



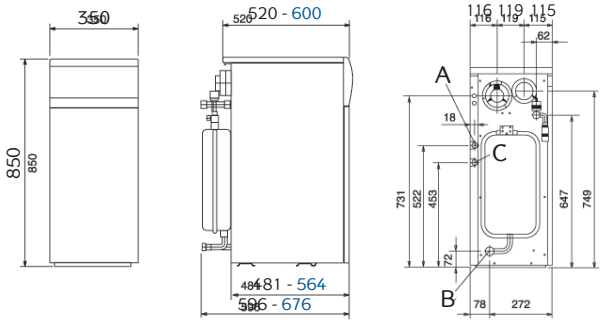
MR Heating system flow G 3/4"
US DHW outlet G 1/2"
GAS Gas inlet G 3/4"
ES Mains water G 1/2"
RR Heating system return G 3/4"
A Boiler hanging points.



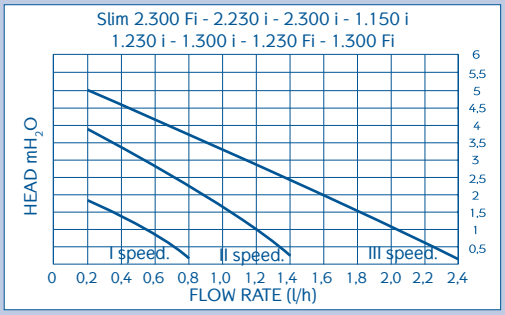


Non-ErP gas boilers

Slim
1.230 Fi, 1.300 Fi

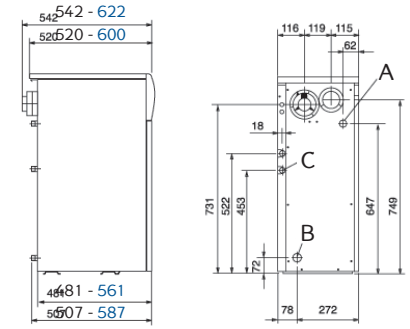


frontal view | side view | back view



A Heating system flow G 3/4" M
B Heating system return G 3/4" M
C Gas supply pipe G 1/2" M

Slim
1.230 FiN, 1.300 FiN

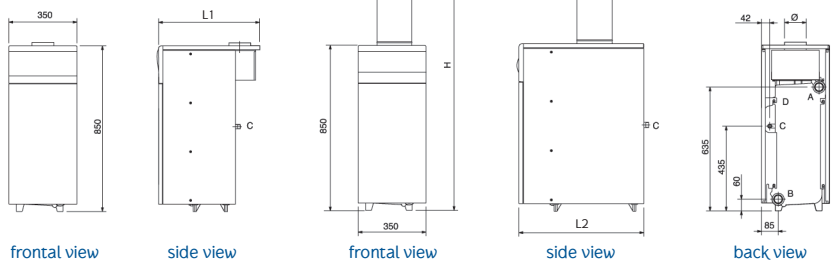


side view | back view

Slim
1.150 i, 1.230 i, 1.300 i

Slim
1.230 iN, 1.300 iN

Slim
1.400 iN, 1.490 iN, 1.620 iN



frontal view | side view | frontal view | side view | back view

	L_1
Slim 1.150i	520
Slim 1.230i, 1.230iN	600
Slim 1.300i, 1.300iN	680

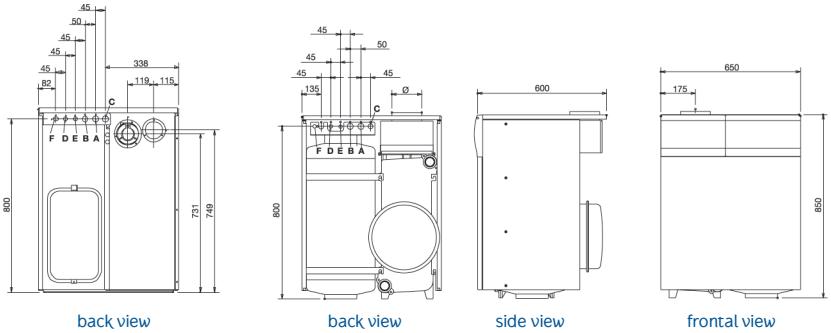
dimensions (mm)

	H	L_2
Slim 1.400iN	1490	635
Slim 1.490iN	1490	715
Slim 1.620iN	1650	875

dimensions (mm)

Slim
2.300 Fi

Slim
2.230 i, 2.300 i

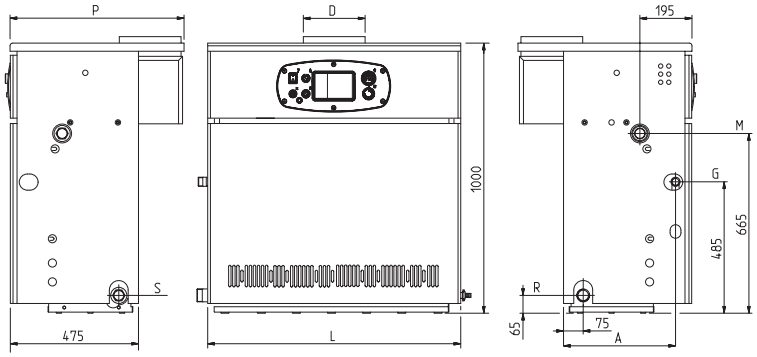


back view | back view | side view | frontal view

A Heating system flow G 3/4" M
B Heating system return G 3/4" M
C Gas supply pipe G 1/2" M
D Mains water G 1/2" M
E DHW outlet G 1/2" M
F Recirculation G 1/2" M (Slim 2.260 Fi)
Recirculation G 1/2" F (Slim 2.230 i, 2.300 Fi)

Non-ErP gas boilers

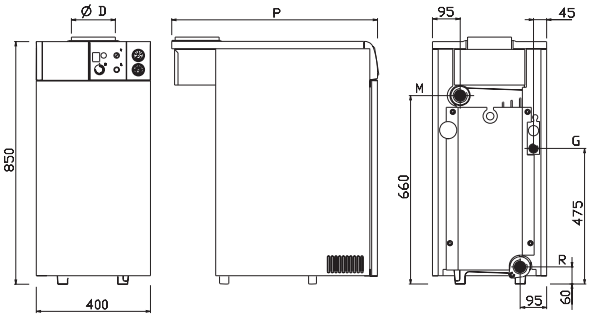
Slim HPS
1.80, 1.99, 1.110

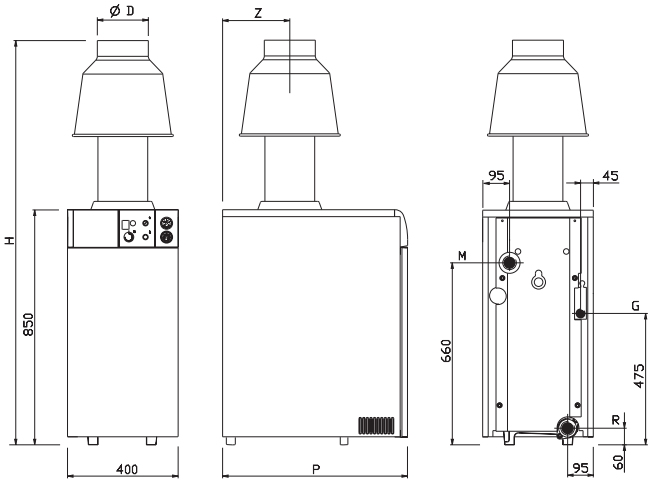


R Heating system return 11/2"
M Heating system flow 11/2"
G Gas inlet 1"
S Boiler drain 3/4"

		1.80	1.99	1.110
L	mm	940	1140	1240
D	mm	180	225	250
P	mm	645	645	670
A	mm	415	415	400

Slim EF
1.22, 1.31, 1.39, 1.49, 1.61





		1.22	1.31
P	mm	595	720
D	mm	130	150

Connections
R Heating system return 1 1/2"
M Heating system flow 1 1/2"
G Gas connection 1/2"

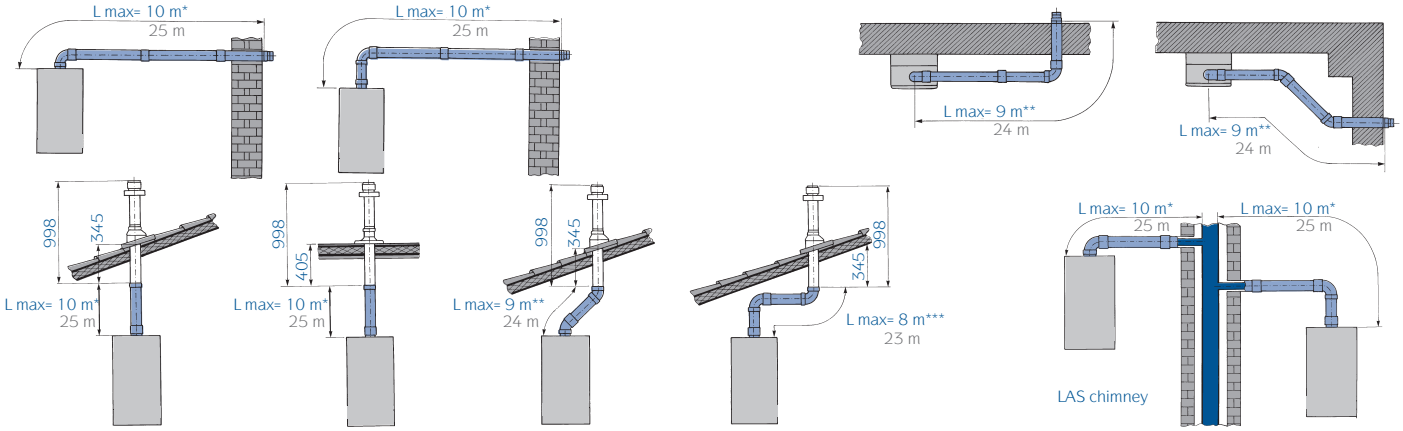
		1.39	1.49	1.61
P	mm	670	770	870
H	mm	1435	1435	1675
Z	mm	245	295	345
D	mm	180	180	200

Connections
R Heating system return 1 1/4"
M Heating system flow 1 1/2"
G Gas connection 3/4"

Coaxial flue system

Luna Platinum+, Luna Duo-tec+, Prime, Duo-tec Compact+, Luna3 Avant+, Duo-tec Max+, Nuvola Platinum+, Nuvola Duo-tec+, Duo-tec Compact

■ Ø 60/100 mm
■ Ø 80/125 mm



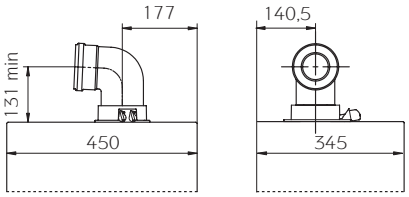
* L max Luna3 Avant+ = 4m

** L max Luna3 Avant+ = 3m

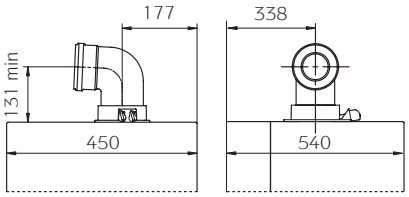
*** L max Luna3 Avant+ = 2m

Models	Tubes maximum length (m)		Length reduction for a 90° bend insertion (m)	"Length reduction for a 45° bend insertion (m)"
	Ø 60/100	Ø 80/125		
Luna Platinum+ / Luna Duo-tec+ / Duo-tec Max+	10	25	1	0,5
Duo-tec Compact+				
Nuvola Platinum+ / Nuvola Duo-tec+				
Prime	10	15		
Luna3 Avant+	4	-		

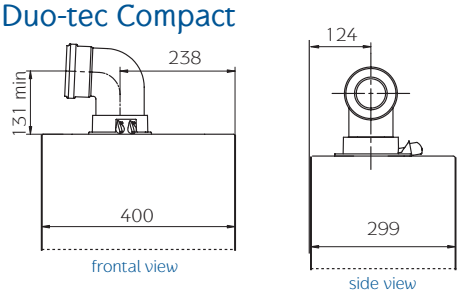
Luna Platinum+, Luna Duo-tec+, Duo-tec Max+



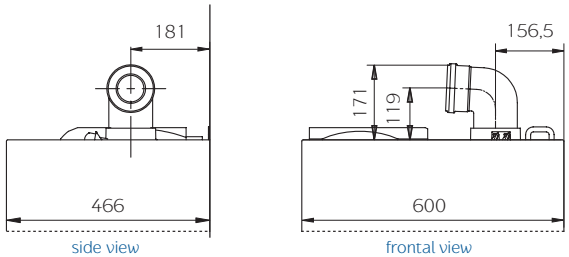
Luna Platinum+ and Combi Luna Duo-tec+ and Combi



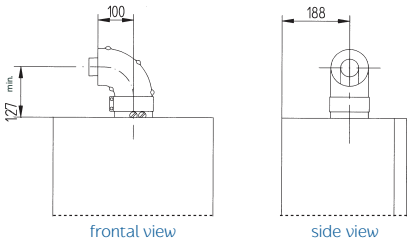
Duo-tec Compact+, Duo-tec Compact



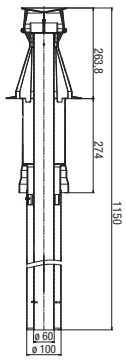
Nuvola Platinum+, Nuvola Duo-tec+



Luna3 Avant+

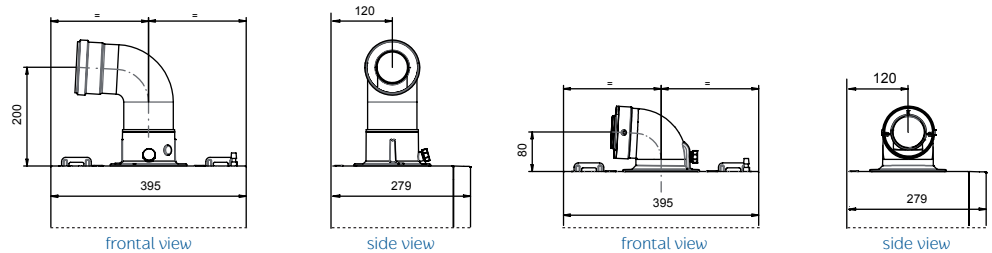


Chimney terminal for gas condensing boilers



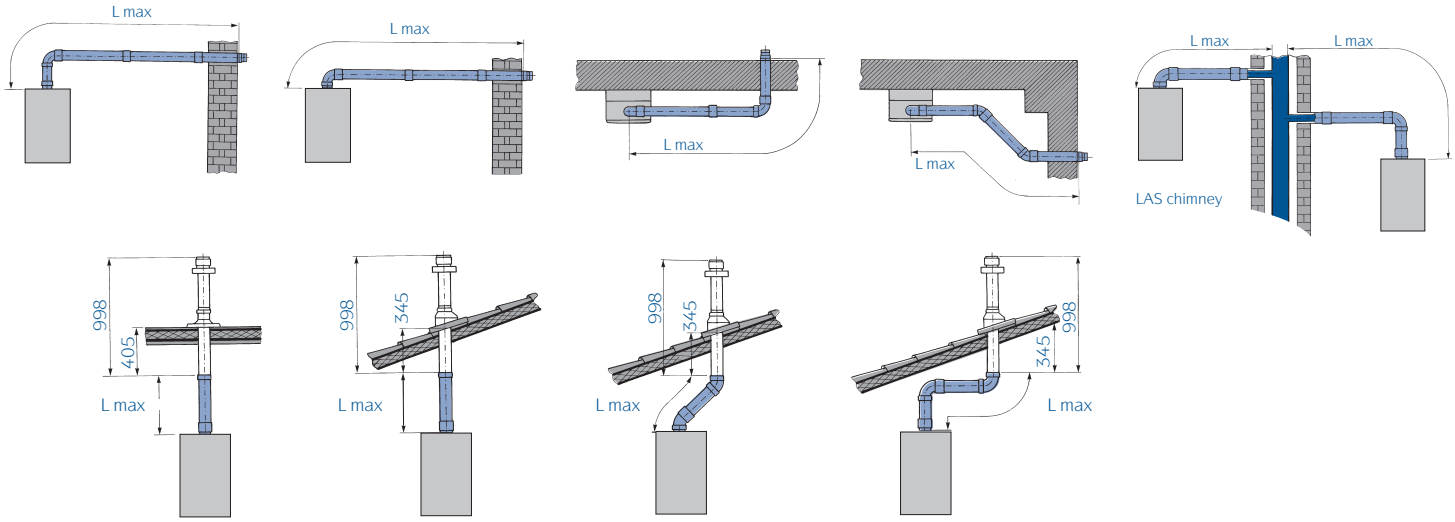
Vertical coaxial flue terminal
Ø 60/100 mm
KUG 71413581

Prime



Coaxial flue system

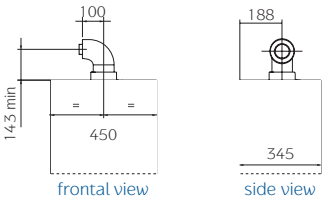
Luna3 Comfort - Luna3 Comfort + Combi - Luna3 - Ecofour - Eco5 Compact - Main5



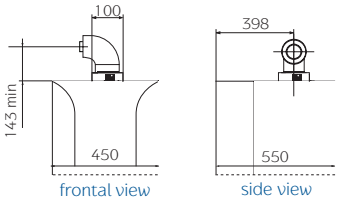
Lmax can change according to the flue type and boiler models. See the instruction manual.

		Tubes maximum length (m)		Length reduction for a 90° bend insertion (m)	Length reduction for a 45° bend insertion (m)
		Ø 60/100	Ø 80/125		
Horizontal flue	Luna3 24/25 kW	5	9	1	0,5
	Luna3 28/31 kW	4	8		
	Luna3 Blue	4	-		
	Ecofour - Eco Compact - Main5	5	-		
Vertical chimney	Luna3	4	10		
	Luna3 Blue	4	-		
	Ecofour - Eco Compact - Main5	5	-		

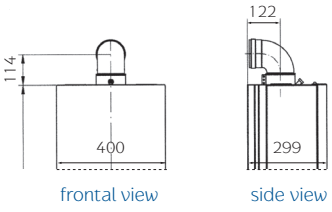
Luna3 Comfort



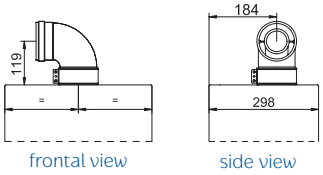
Luna3 Comfort + Combi



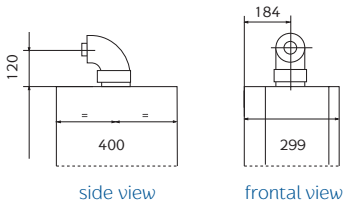
Ecofour



Eco5 Compact

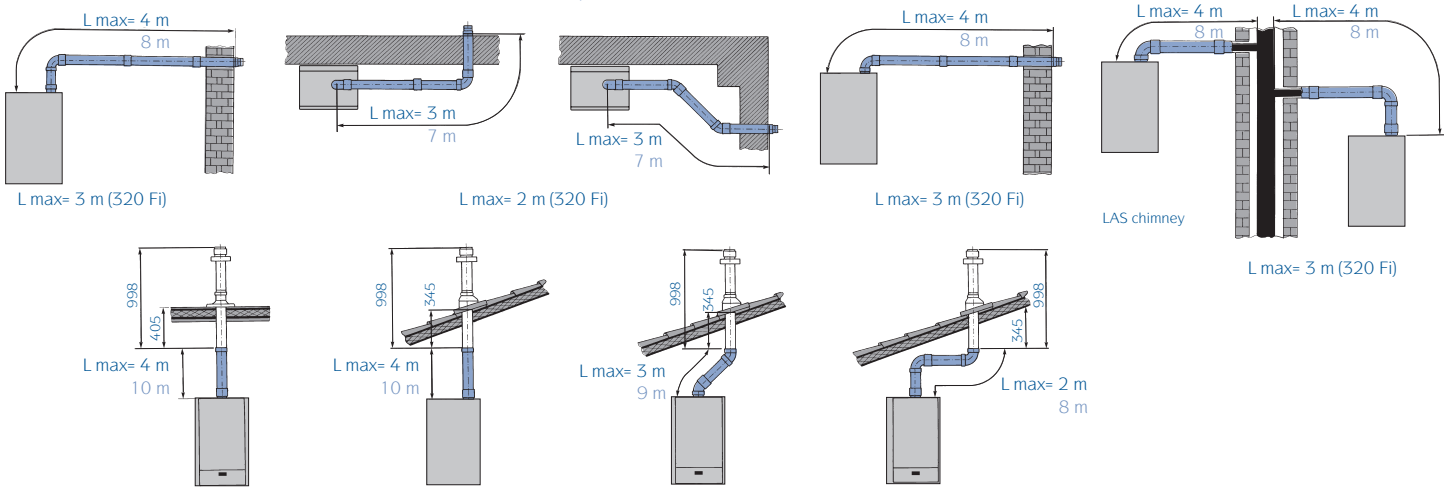


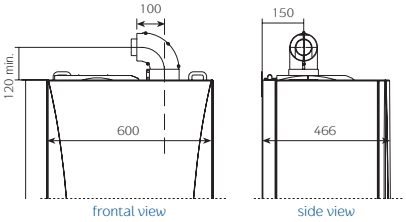
Main5



Coaxial flue system

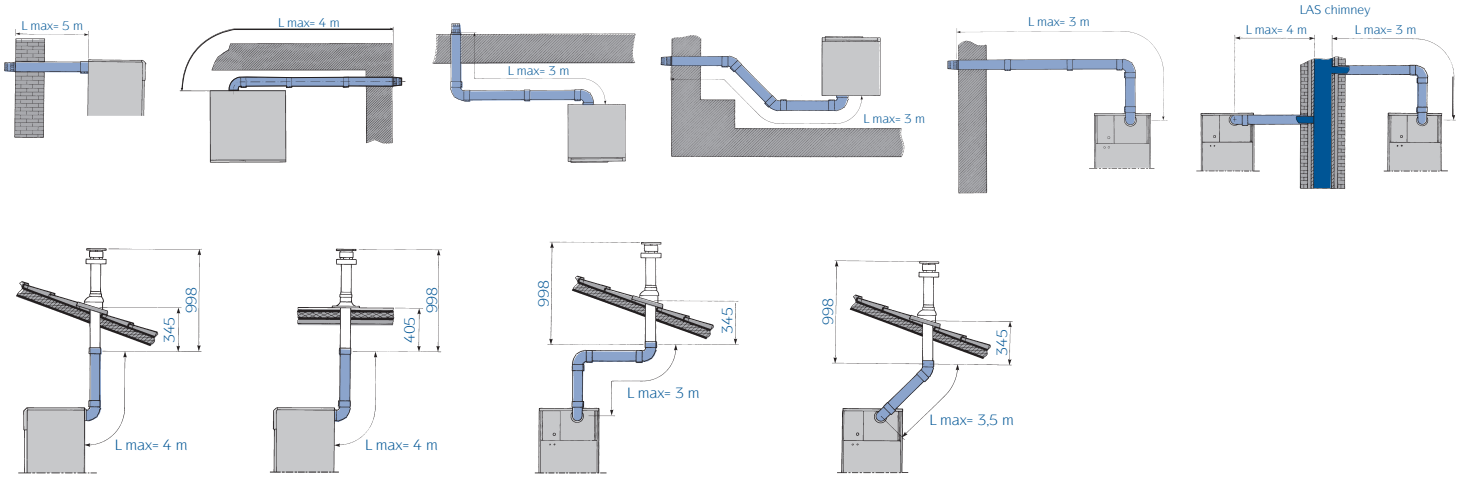
Nuvola3 Comfort - Nuvola3 BS 40 ■ Ø 60/100 mm ■ Ø 80/125 mm



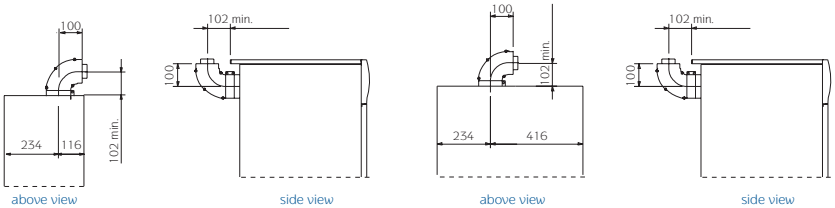


		Tubes maximum length (m) Ø 60/100	Tubes maximum length (m) Ø 80/125	Length reduction for a 90° bend insertion (m)	Length reduction for a 45° bend insertion (m)
Horizontal flue	24/28 kW	4	8	1	0,5
	32 kW	3	8		
Vertical chimney		4	10		

Slim



Slim 1.230 Fi/FiN, 1.300 Fi/FiN Slim 2.300 Fi

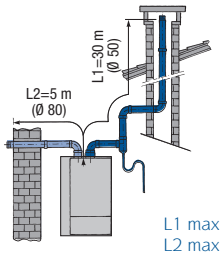


Tubes maximum length (m)	Length reduction for a 90° bend insertion (m)	Length reduction for a 45° bend insertion (m)	Ø flue mm
5	1	0,5	60 - 100

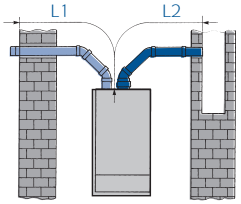
Dual flue system

Luna Platinum+, Luna Duo-tec+, Prime, Duo-tec Compact+, Luna3 Avant+, Duo-tec Max+, Nuvola Platinum+, Nuvola Duo-tec+, Duo-tec Compact

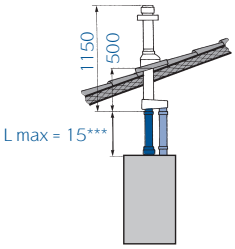
L1 = INTAKE PIPE / L2 = FLUE PIPE

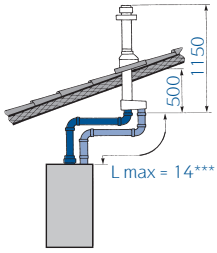


L1 max = 30 m Ø 50*
L2 max = 5 m Ø 80**



(L1 + L2) max = 80 m Ø80
L2 max = 15 m Ø80





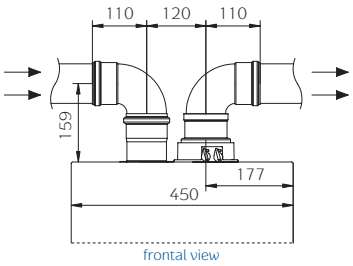
* Prime: 30m Ø 50 mod. 24 kW, 20m Ø 50 mod. 24 kW
** Prime: 10m Ø 80
*** Luna3 Avant+: 10m

	Length reduction for a 90° bend insertion (m)		Length reduction for a 45° bend insertion (m)	
	L1	L2	L1	L2
Installation with dual flue chimney terminal Ø 50*	4	-	2	-
(Luna Platinum+ and Luna Duo-tec+ boilers, 24 kW models)				
Installation with dual flue chimney terminal Ø 80	-	0,5	-	0,25

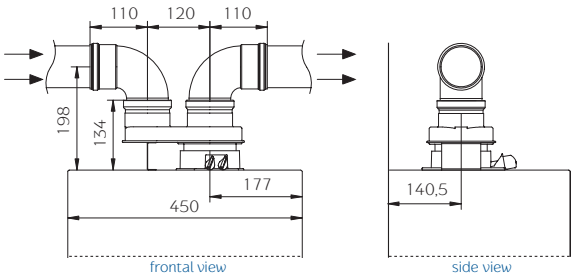
*The installation with flue Ø 50 requires the adjustment of the fan speed parameters

	Length reduction for a 90° bend insertion (m)	Length reduction for a 45° bend insertion (m)
Installation with terminal Ø 60	3	1,25
Installation with terminal Ø 80	0,5	0,25
Installation with chimney terminal	0,5	0,25

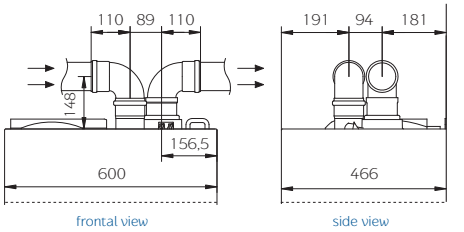
Luna Platinum+, Luna Duo-tec+, Duo-tec Max+



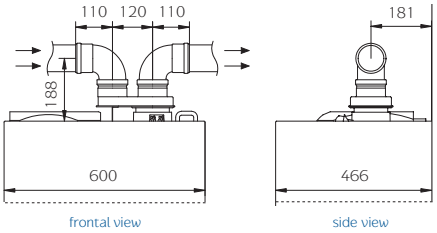
with adjustable dual flue kit



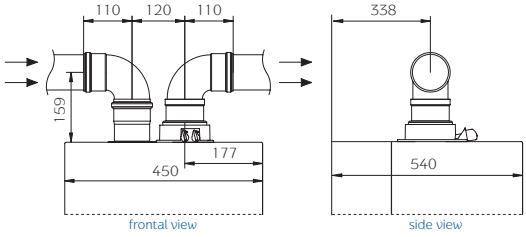
Nuvola Platinum+, Nuvola Duo-tec+



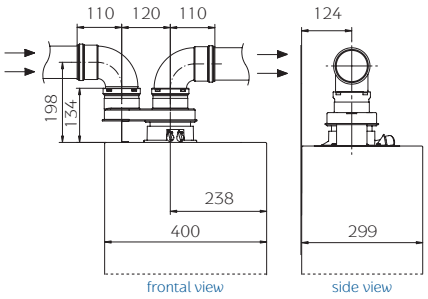
with adjustable dual flue kit



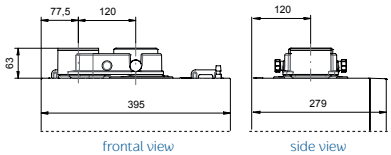
Luna Platinum+ and Combi
Luna Duo-tec+ and Combi



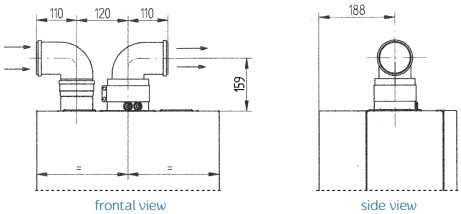
Duo-tec Compact+, Duo-tec Compact



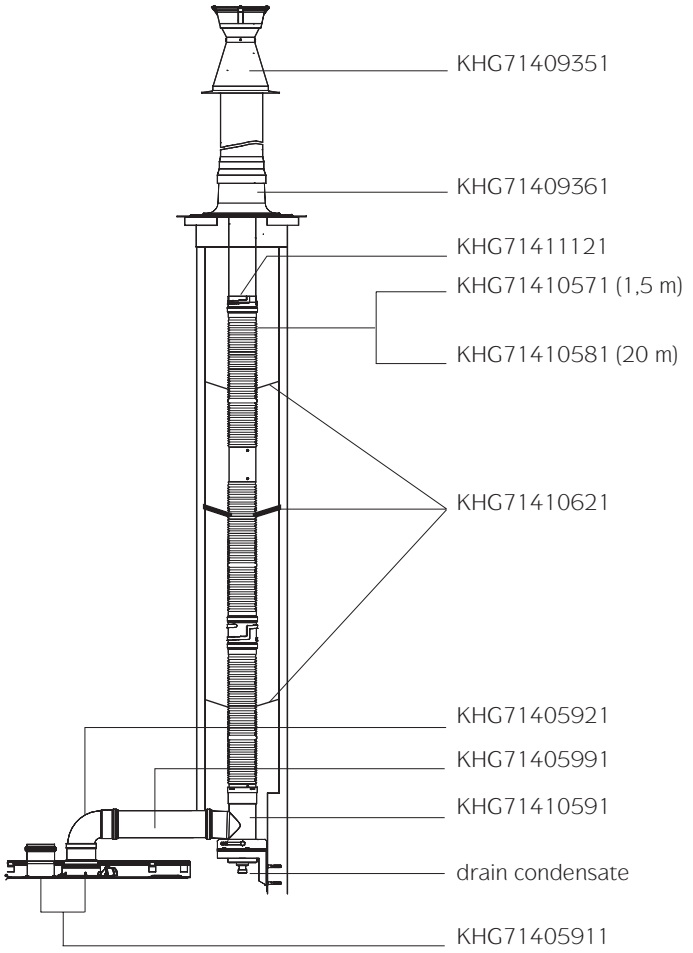
Prime

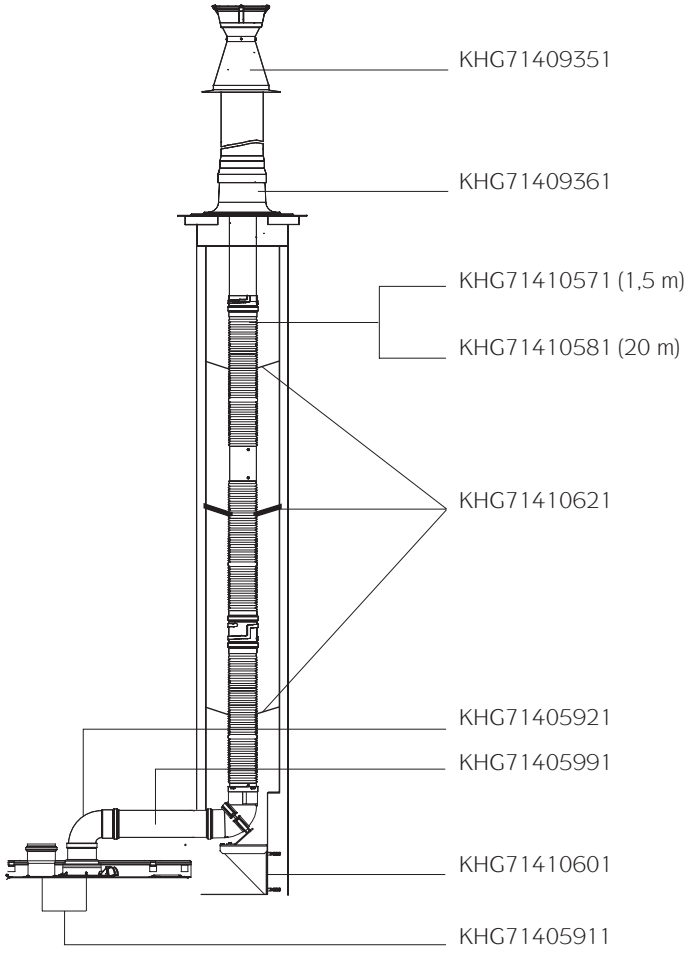


Luna3 Avant+

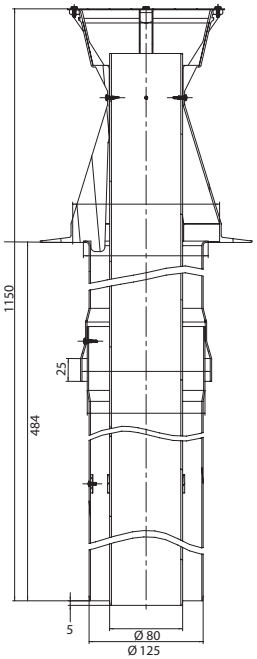


Flexible ducting systems gas condensing boilers

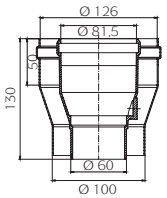




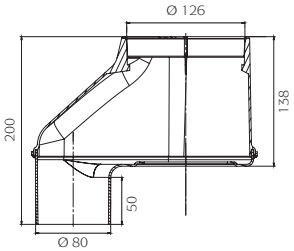
Chimney terminal for gas condensing boilers



KHG 71409351
Coaxial vertical chimney terminal Ø 80/125



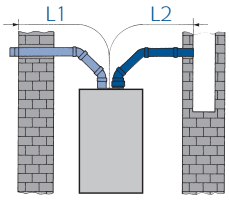
KHG 71409391
Reduction kit from Ø 80/125 to Ø 60/100



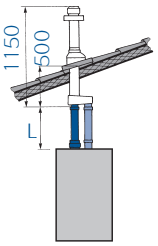
KHG 71409381
Dual flue tubes adapter for coaxial chimney from Ø 80/80 to Ø 80/125

Dual flue system

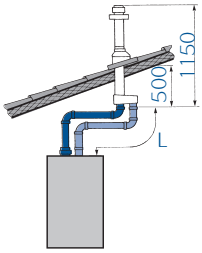
Luna3 Comfort - Luna3 - Luna3 Comfort + Combi - Ecofour - Eco5 Compact - Main5



	Luna3 Comfort		Main5	Ecofour	Eco5 Compact
	25 kW	31 kW			
(L1+L2) Max m	40	25	30	30	30
L2 Max m	10	10	8	10	8
*B22	-	-	-	-	-



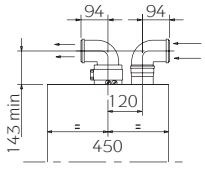
	Luna3 Comfort		Ecofour	Eco5 Compact	Main5
	25 kW	31 kW			
L Max m	15	12	15	8	9



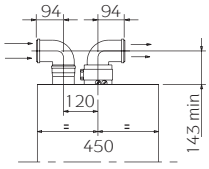
	Luna3 Comfort		Ecofour Fourtech	Main5
	25 kW	31 kW		
L Max m	14	10	14	7

If the pipe length is longer than 6 meters the condensation collector kit must be installed.
Length reduction for a 90° bend insertion 0,5 m. Length reduction for a 45° bend insertion 0,25 m

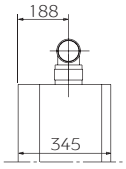
Luna3 Comfort - Luna3



frontal view

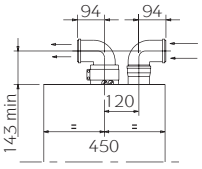


frontal view

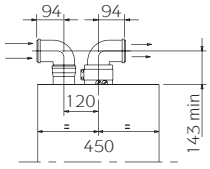


side view

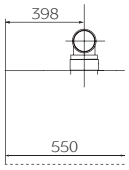
Luna3 Comfort + Combi



frontal view

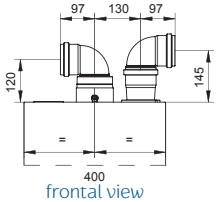


frontal view

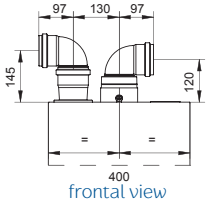


side view

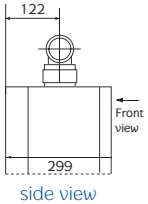
Ecofour



frontal view

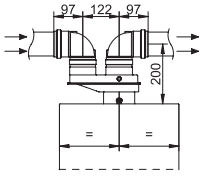


frontal view

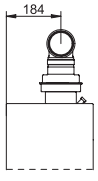


side view

Eco5 Compact

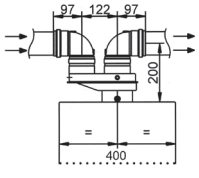


frontal view

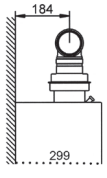


side view

Main5



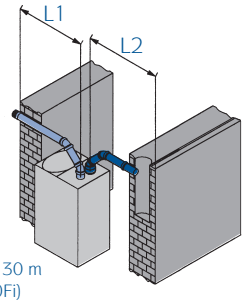
frontal view



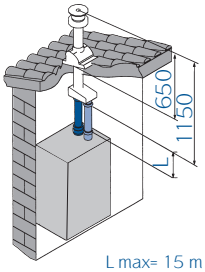
side view

Dual flue system

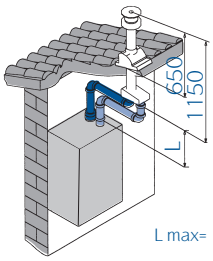
Nuvola3 Comfort, Nuvola3 BS 40



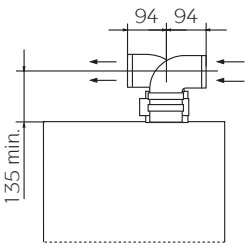
(L1 + L2) max= 30 m
(25 m - 320Fi)



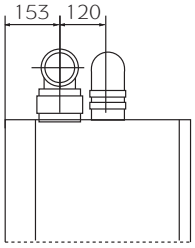
L max= 15 m



L max= 15 m



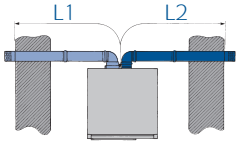
frontal view

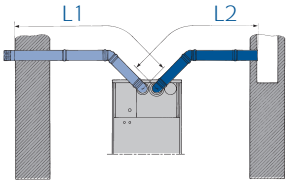


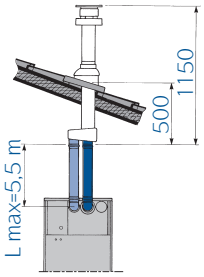
side view

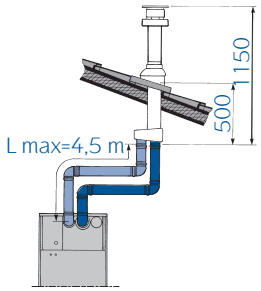
	Length reduction for a 90° bend insertion (m)	Length reduction for a 45° bend insertion (m)	Ø Flue (mm)
Installation with proof terminal	0,5	0,25	80
Installation with chimney terminal	0,5	0,25	133

Slim







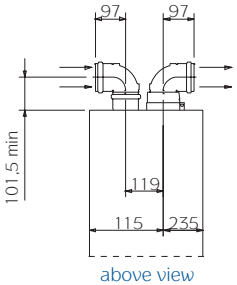


FLUE PIPE (L1) MAXIMUM LENGTH WITH A 90° BEND: 10 m.

INTAKE PIPE (L2) MAXIMUM LENGTH WITH A 90° BEND: 10 m.

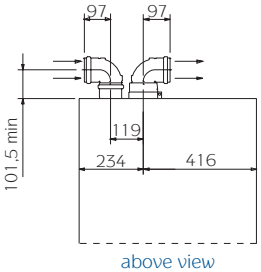
	Tubes maximum length (m)	Length reduction for a 90° bend insertion (m)	Length reduction for a 45° bend insertion (m)	Ø Flue (mm)
Installation with proof terminal	20	0,5	0,25	80
Installation with chimney terminal	6	0,5	0,25	133

Slim 1.230 Fi/FiN, 1.300 Fi/FiN



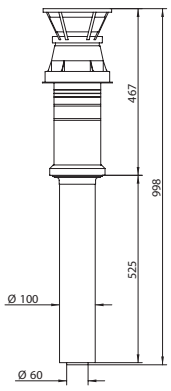
above view

Slim 2.300 Fi

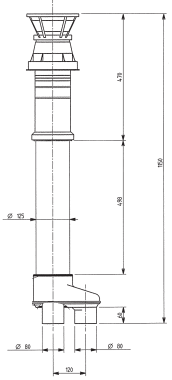


above view

Chimney terminal for gas boilers



KHG 71403641
Vertical chimney terminal
for coaxial flue system
Ø 60/100



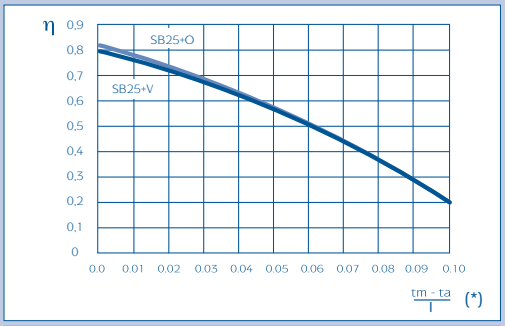
KHG 71403651
Dual flue vertical
chimney terminal
Ø 80/125

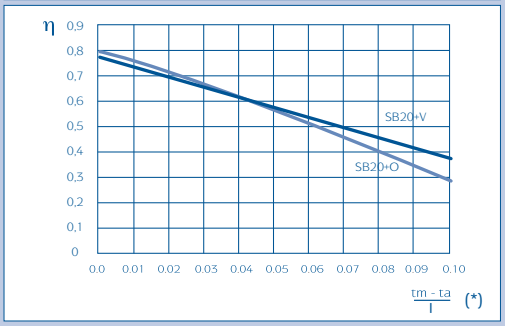
Collectors for forced natural draft installation

SB 25 + V
SB 25 + O

SB 20 + V
SB 20 + O

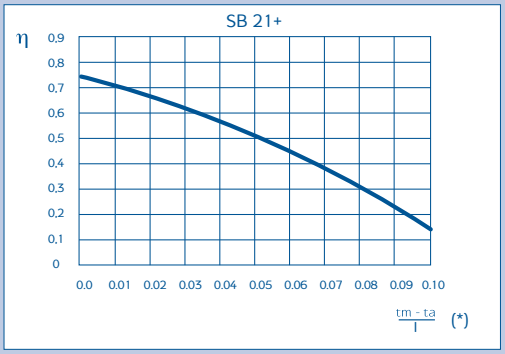
	h x w x d (mm)		
SB 25 + V	2187	1147	87
SB 25 + O	1147	2187	87
SB 20 + V	1755	1148	87
SB 20 + O	1148	1755	87





SB 21+

	h x w x d (mm)		
SB 21+	1753	1147	87



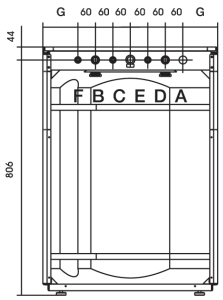
(*) I = total incidental radiation on the collector surface (W/m²) - tm = average temperature of the absorbing surface (°C) - ta = room temperature (°C)
▲ phasing out products

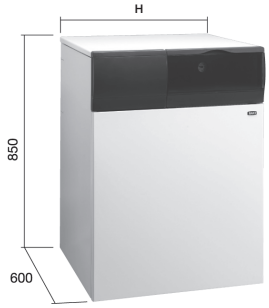
Indirect cylinders

LUNA UB INOX
LUNA UB
80, 120

SLIM UB INOX
SLIM UB
80, 120

A Connection heating system flow/indirect cylinder 3/4"M
B Connection indirect cylinder return/heating system 3/4" M
C Mains water 1/2" M
D Domestic hot water outlet 1/2" M
E Relief valve 1/2" F
F Recirculation 1/2" M



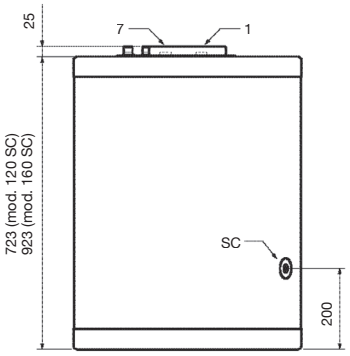


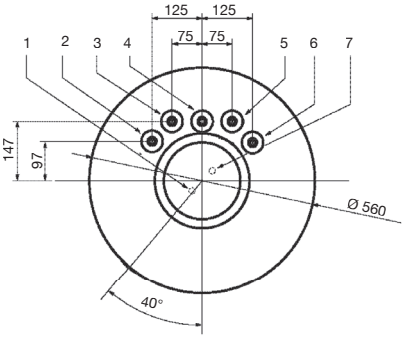
G = 45 mm (80 l)
120 mm (120 l)

H = 450 mm (80 l)
600 mm (120 l)

Indirect cylinders

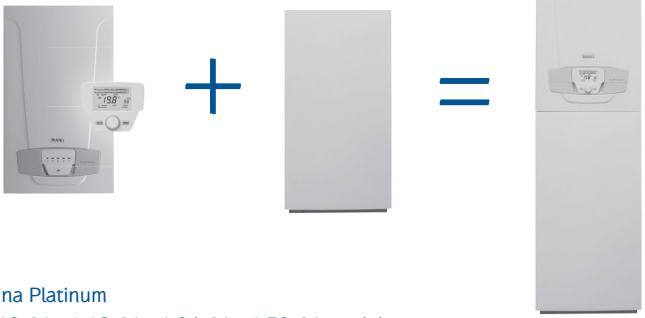
UB SC



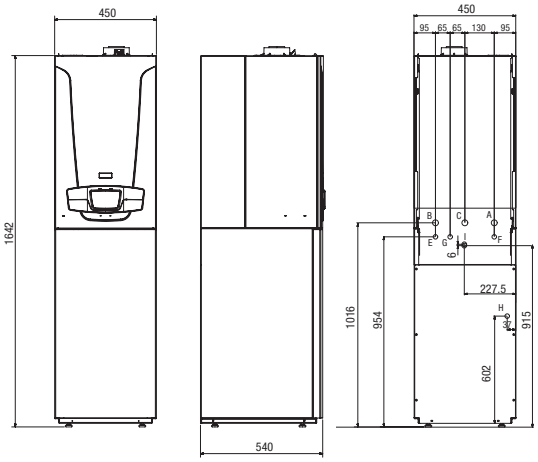


1 Thermometer - Sensor Ø 10 mm
2 Boiler return G 3/4" M
3 DHW outlet G 1/2" M
4 Ricircolo G 1/2" M
5 Cold water inlet G 1/2" M
6 Boiler flow G 3/4" M
7 Anode G 3/4"
SC Drain G 1/2"

LUNA PLATINUM + COMBI 80 L+

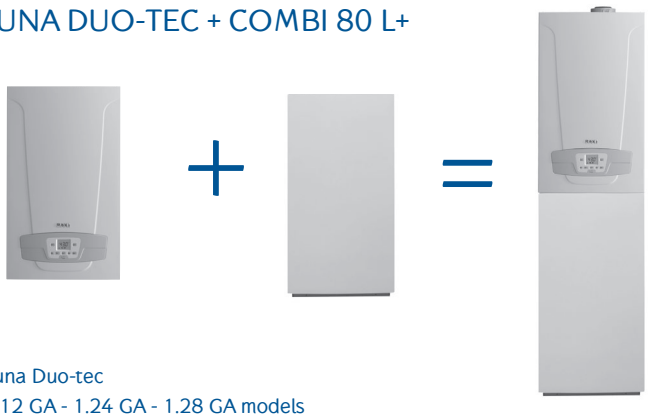


Luna Platinum
1.12 GA - 1.18 GA - 1.24 GA - 1.32 GA models

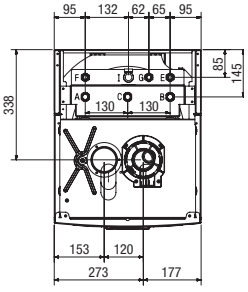


frontal view | side view | back view

LUNA DUO-TEC + COMBI 80 L+



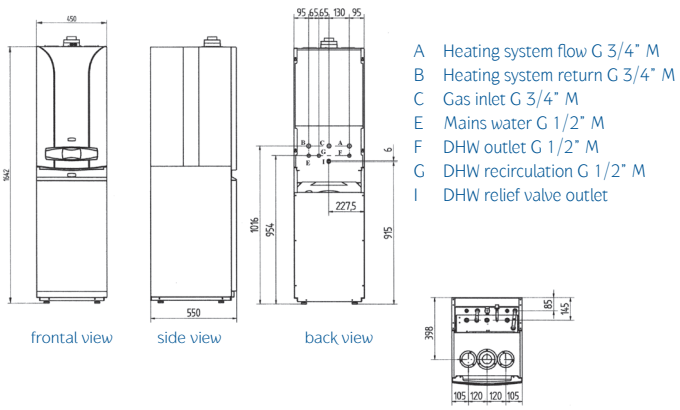
Luna Duo-tec
1.12 GA - 1.24 GA - 1.28 GA models



A Heating system flow G 3/4" M
B Heating system return G 3/4" M
C Gas inlet G 3/4" M
E Mains water G 1/2" M
F DHW outlet G 1/2" M
G DHW recirculation G 1/2" M
H Condensing trap possible to connect on a pipe Ø 21
I DHW relief valve outlet

LUNA3 COMFORT + COMBI

1.240 Fi - 1.310 Fi - 1.240 i models



frontal view | side view | back view

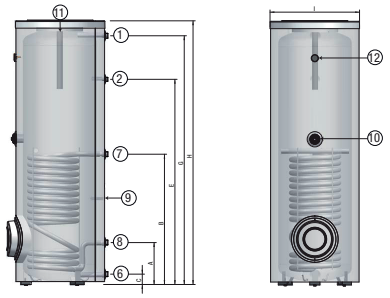
A Heating system flow G 3/4" M
B Heating system return G 3/4" M
C Gas inlet G 3/4" M
E Mains water G 1/2" M
F DHW outlet G 1/2" M
G DHW recirculation G 1/2" M
I DHW relief valve outlet

Indirect cylinders

UBVT 200 DC/SC
UBVT 300 DC/SC
UBVT 400 DC/SC
UBVT 500 DC

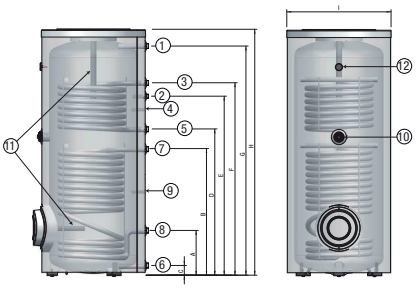
1 Domestic hot water outlet G1
2 Recirculation G¾
3 Exchanger inlet G1
4 Domestic hot water sensor G1
5 Exchanger outlet G1
6 Domestic cold water inlet + Drain opening G1
7 Solar exchanger inlet G1
8 Solar exchanger outlet G1
9 Solar sensor positioning
10 Electrical resistance seat G1 1/2"
11 Magnesium anode Ø 33 mm
12 Thermometer

200 SC - 300 SC - 400 SC



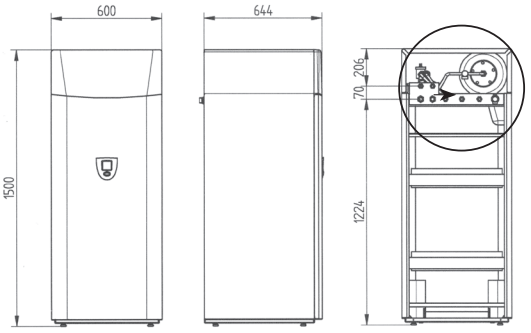
	UBVT 200 SC	UBVT 300 SC	UBVT 400 SC
A	287	286	304
B	753	887	858
C	70.5	70.5	66.3
E	1080	1397	1214
G	1323.5	1694	1560
H	1422.5	1795.5	1671.5
I (Ø)	610	610	710

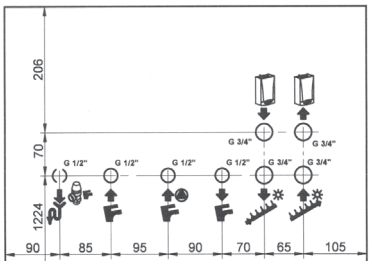
200 DC - 300 DC - 400 DC - 500 DC



	UBVT 200 DC	UBVT 300 DC	UBVT 400 DC	UBVT 500 DC
A	287	286	304	302,6
B	753	887	858	948
C	70,5	70,5	66,3	71
D	900	1127	994	1133
E	1080	1397	1219	1358
F	1170	1487	1309	1448
G	1323,5	1694	1560	1665,7
H	1422,5	1795,5	1671,5	1787
I (Ø)	610	610	710	760

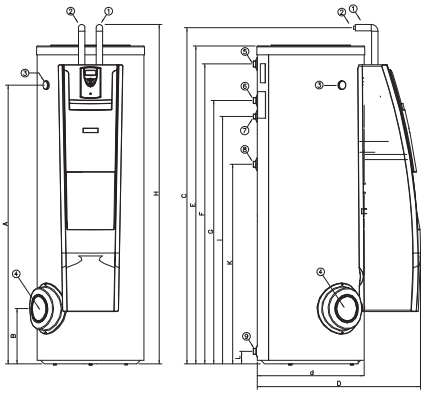
UB 200 SOLAR





Boiler DHW inlet
Boiler DHW outlet
Cold water inlet
DHW outlet
DHW recirculation
Boiler drain
Solar collectors flow
Solar collector return

UBSI 300
UBSI 500

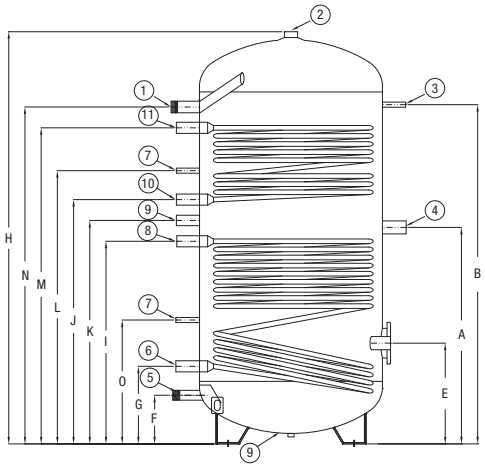


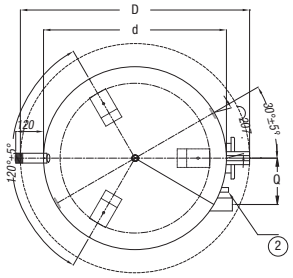
1 Lower coil outlet 3/4"
2 Lower coil inlet 3/4"
3 Thermometer
4 Anode D33 mm
5 DHW outlet 1"
6 Upper coil inlet 1"
7 Recirculation 3/4"
8 Upper coil outlet 1"
9 Cold water inlet 1"

		UBSI 300	UBSI 500
Capacity	lt	300	500
Dimensions			
A	mm	1574	1536
B	mm	312	313
C	mm	1899	1983
E	mm	1796	1787
F	mm	1694	1666
G	mm	1487	1448
I	mm	1397	1358
K	mm	1127	1133
L	mm	71	71
d	mm	604	754
D	mm	922	1069
Insulation		injected polyurethane	
Insulation thickness	mm	50	50

Indirect cylinders

UB 800 DC
UB 1000 DC
UB 1500 DC
UB 2000 DC

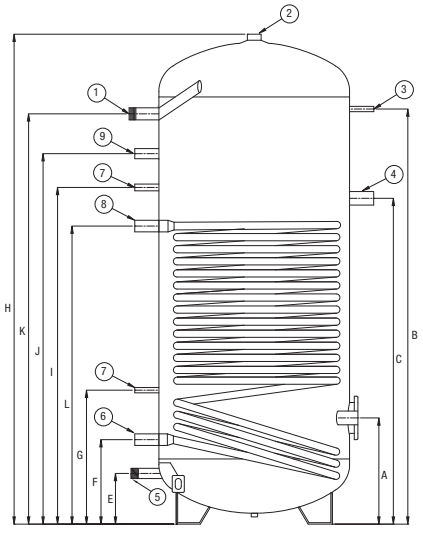


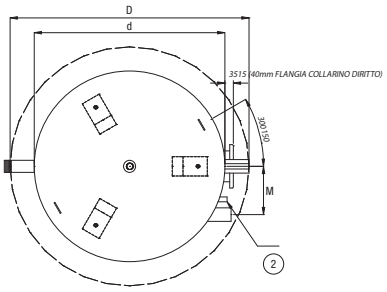


1 DHW outlet 1" 1/4
2 Anode 1" 1/2
3 Thermometer 1/2"
4 Electric resistance 1" 1/2
5 Cold water inlet 1" 1/4
6 Lower coil outlet 1" 1/4
7 Sensor 1/2"
8 Lower coil inlet 1" 1/4
9 Recirculation 1"
10 Upper coil outlet 1" 1/4
11 Upper coil inlet 1" 1/4

Model		UB 800 DC	UB 1000 DC	UB 1500 DC	UB 2000 DC
Dimensions					
A	mm	935	1085	1200	1340
B	mm	1465	1720	1770	2000
E	mm	435	440	500	550
F	mm	210	210	260	260
G	mm	335	350	385	400
I	mm	875	985	1095	1205
J	mm	1055	1245	1275	1425
K	mm	965	1120	1185	1315
L	mm	1180	1395	1370	1485
M	mm	1365	1560	1680	1870
N	mm	1455	1700	1820	1990
O	mm	535	510	495	660
Q	mm	200	200	230	230
d	mm	790	790	1000	1100
Heigth (including insulation)	mm	1855	2105	2185	2470
H	mm	1780	2030	2120	2405
D	mm	990	990	1200	1300
Flange	mm	180/120		290/220	
Insulation		soft polyurethane	soft polyurethane	soft polyurethane	soft polyurethane
Insulation thickness	mm	100	100	100	100

UB 1000 SC
UB 2000 SC



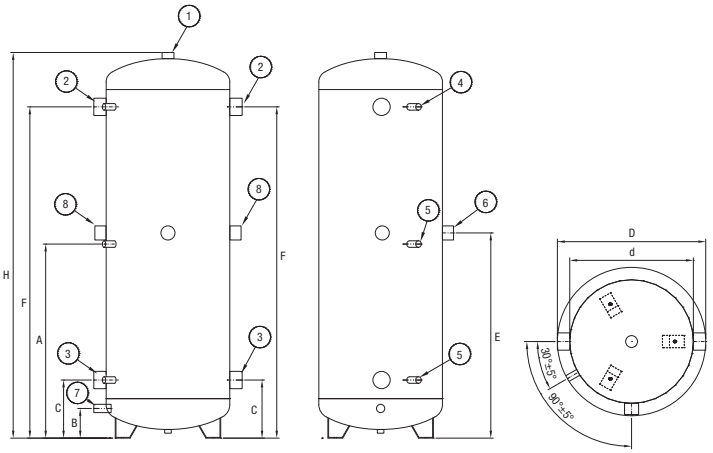


1 DHW outlet 1" 1/4
2 Anode 1" 1/2
3 Thermometer 1/2"
4 Electric resistance 1" 1/2
5 Cold water inlet 1" 1/4
6 Lower coil outlet 1" 1/4
7 Sensor 1/2"
8 Lower coil inlet 1" 1/4
9 Recirculation 1"

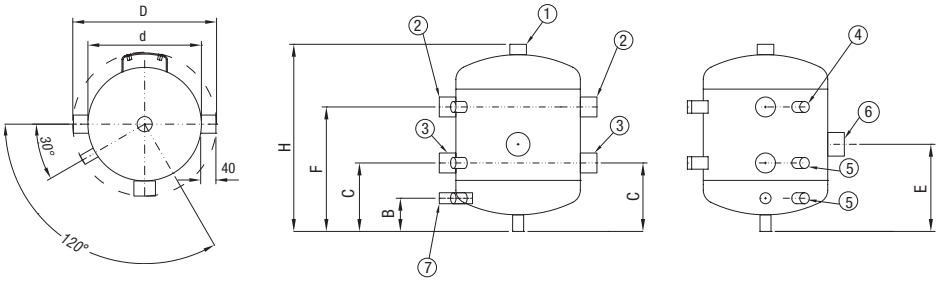
Model		UB 1000 SC	UB 2000 SC
Dimensions			
A	mm	440	550
B	mm	1720	2000
C	mm	1350	1540
E	mm	210	260
F	mm	350	520
G	mm	555	730
I	mm	1395	1600
J	mm	1535	1750
K	mm	1700	1990
L	mm	1235	1430
M	mm	200	230
d	mm	790	1100
Heigth (including insulation)	mm	2105	2470
H	mm	2030	2405
D	mm	990	1300
Flange	mm	180/120	290/220
Insulation		soft polyurethane	soft polyurethane
Insulation thickness	mm	100	100

Indirect cylinders

UBPU 50
UBPU 100
UBPU 300
UBPU 500



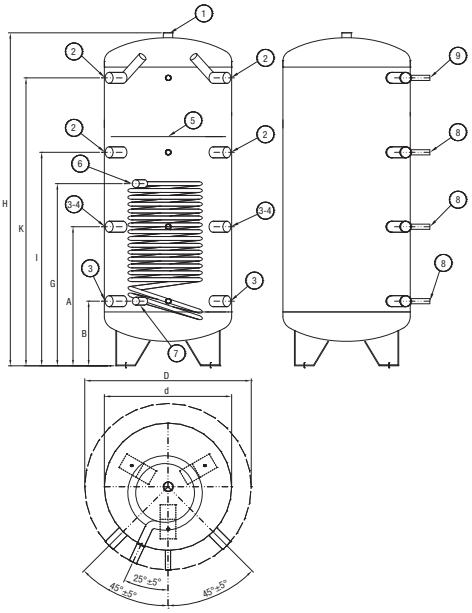
UBPU 25



Model		UBPU 25	UBPU 50	UBPU 100	UBPU 300	UBPU 500
Dimensions						
A	mm	-	485	560	785	925
B	mm	80	100	100	120	135
C	mm	165	180	185	235	240
E	mm	210	530	605	830	970
F	mm	300	785	935	1340	1610
D	mm	380	380	500	600	600
d	mm	300	300	400	500	500
Heigth (including insulation)	mm	451	933	1100	1560	1840
H	mm	451	933	1100	1560	1840
Insulation		injected polyurethane	injected polyurethane	injected polyurethane	injected polyurethane	injected polyurethane
Insulation thickness	mm	45	45	50	50	50

		UBPU 25	UBPU 50	UBPU 100	UBPU 300	UBPU 500
1	Drain	1"	1"	1"	1" 1/4	1" 1/4
2	Boiler/heating system flow	1" 1/4	1" 1/4	1" 1/4	2"	2" 1/2
3	Boiler/heating system return	1" 1/4	1" 1/4	1" 1/4	2"	2" 1/2
4	Thermometer	1/2"	1/2"	1/2"	1/2"	1/2"
5	Sensor	1/2"	1/2"	1/2"	1/2"	1/2"
6	Electric resistance	1" 1/2	1" 1/2	1" 1/2	1" 1/2	1" 1/2
7	Drain	1/2"	1/2"	1/2"	3/4"	3/4"
8	Free connection	-	-	-	-	2" 1/2

UBPU 500 SC
UBPU 800 SC
UBPU 1500 SC

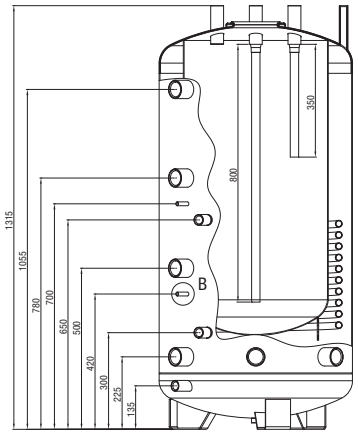


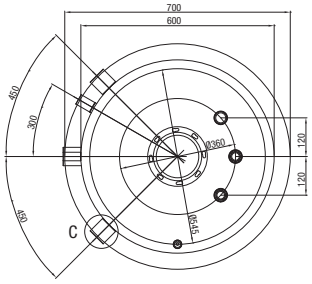
1 Dump 1"1/4
2 Boiler/heating system flow 1"1/2
3 Boiler/heating system return 1"1/2
4 Electric resistance1"1/2
5 Stratifier
6 Lower coil inlet 1"
7 Lower coil outlet 1"
8 Sensor 1/2"
9 Termometer 1/2"

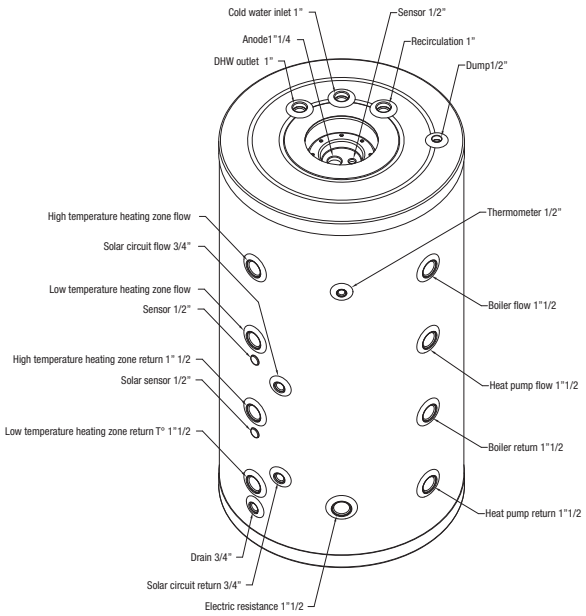
Model		UBPU 500 SC	UBPU 800 SC	UBPU 1500 SC
Dimensions				
A	mm	710	715	850
B	mm	330	335	390
G	mm	930	1045	1290
I	mm	1090	1095	1310
K	mm	1470	1475	1770
D	mm	850	990	1200
d	mm	650	790	1000
Heigth (including insulation)	mm	1775	1800	2165
H	mm	1700	1725	2090
Insulation		soft polyurethane	soft polyurethane	soft polyurethane
Insulation thickness	mm	100	100	100

Indirect cylinders

UBTT 300

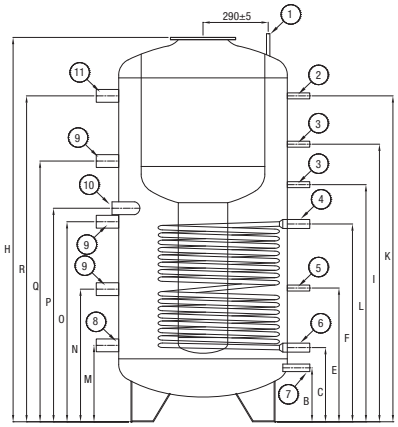


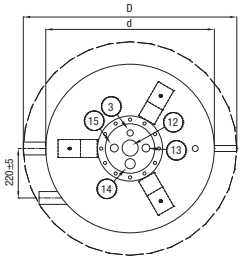




1 Dump 1/2"
2 Thermometer 1/2"
3 Sensor 1/2"
4 Solar circuit flow 1"
5 Solar sensor 1/2"
6 Solar circuit return 1"
7 Drain 3/4"
8 Heating circuit return 1 1/2"
9 Free connection 1 1/2"
10 Electric resistance 1 1/2"
11 Heating circuit flow 1 1/2"
12 Cold water inlet 1"
13 Recirculation 1"
14 Anode 1 1/4"
15 DHW outlet 1"

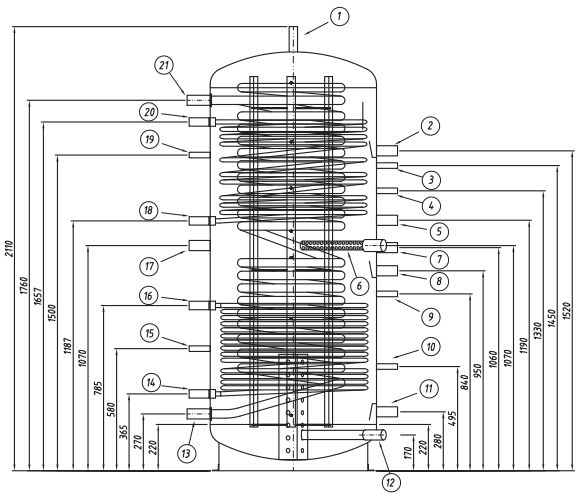
UBTT600
UBTT 1000



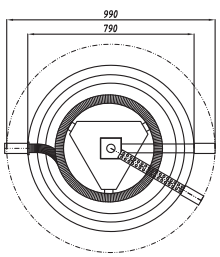


		UBTT 300	UBTT 600	UBTT 1000
Dimensions				
Capacity (DHW)	lt	170	170	220
B	mm	135	240	240
C	mm	300	330	330
E	mm	420	595	595
F	mm	650	880	880
I	mm	-	1235	1440
K	mm	1055	1450	1745
L	mm	700	1055	1290
M	mm	225	340	360
N	mm	500	590	640
O	mm	780	890	910
P	mm	225	950	1050
Q	mm	-	1160	1190
R	mm	1055	1450	1695
d	mm	600	750	790
Heigth (including insulation)	mm	1315	1775	2050
H	mm	1315	1710	1985
D	mm	700	950	990
Flange	mm	120	290/220	290/220
Insulation		injected polyurethane	soft polyurethane	soft polyurethane
Insulation thickness	mm	50	100	100

UBPT 1000



1 Dump 1"
2 Boiler flow 1 1/2"
3 Thermometer 1/2"
4 Sensor 1/2"
5 Heating circuit flow 1 1/2"
6 High temperature heating zone return 1 1/2"
7 Boiler return 1 1/2"
8 Generator flow 1 1/2"
9 Sensor 1/2"
10 Sensor 1/2"
11 Generator return 1 1/2"
12 Low temperature heating zone return 1 1/2"
13 Cold water inlet 1 1/4"
14 Solar circuit return 1"
15 Sensor 1/2"
16 Solar circuit flow 1"
17 Electric resistance 1 1/2"
18 Generator return 1"
19 Sensor 1/2"
20 Generetor flow 1 1/2"
21 DHW outlet 1"

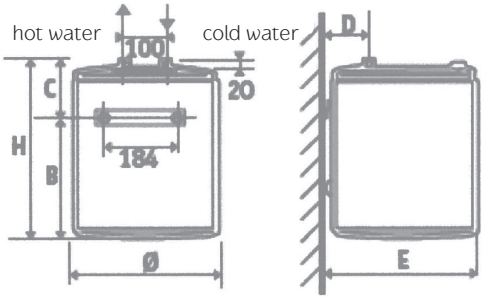


		UBPT 1000
Capacity (DHW)	lt	48
DHW corrugate steel pipe surface	m²	7,6
Insulation		soft polyurethane
Insulation thickness	mm	100

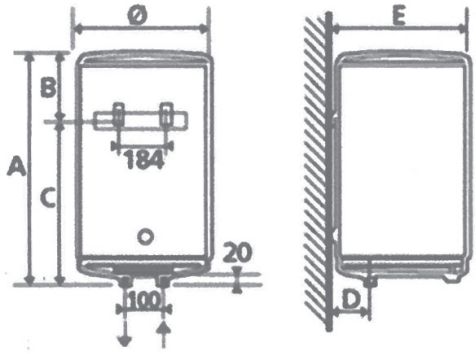
Electric water heaters

10-15 lt, ABOVE AND UNDER SINK

under sink



above sink



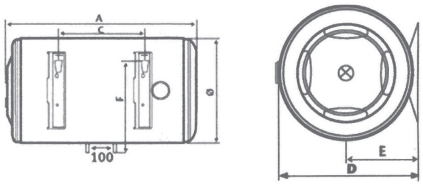
	Capacity	A/H	Ø	B	C	D
R 501 SL	10	456	255	238	218	64
R 501	10	456	255	166	290	64
R 515 SL	15	399	338	235	164	81
R 515	15	399	338	163	236	81

	Capacity	E	F	G	I	J
R 501 SL	10	262	-	184	-	-
R 501	10	262	-	184	-	-
R 515 SL	15	345	-	184	-	-
R 515	15	345	-	184	-	-

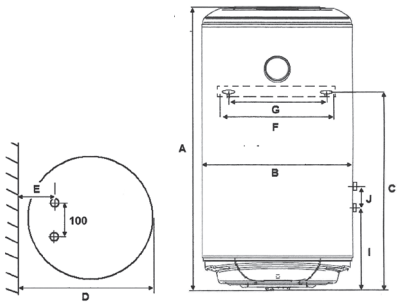
dimensions (mm)

Electric water heaters

STORAGE
horizontal 80/100 lt



upright 30/50/80/100 lt



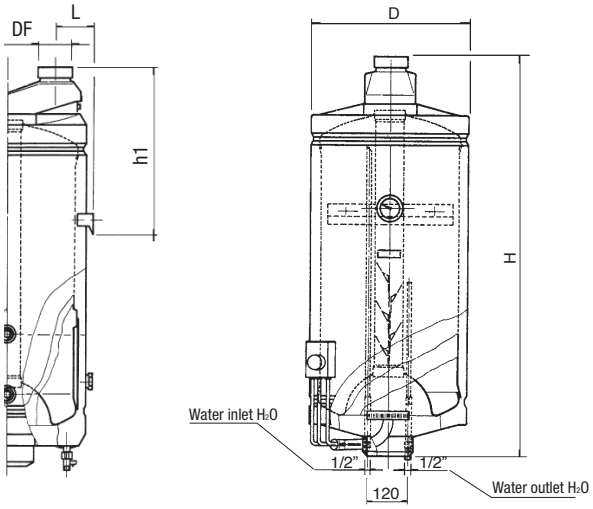
	Capacity	A/H	Ø	B	C	D
V 530	30	623	338	-	423	86
V 550	50	610	433	-	380	451
V 580	80	857	433	-	585	451
V 510	100	1019	433	-	785	451
O 580	80	832	433	-	395	451
O 510	100	994	433	-	555	451
V 580 TD	80	857	433	-	585	451
V 510 TD	100	1019	433	-	785	451
V 580 TS	80	857	433	-	585	451
V 510 TS	100	1019	433	-	785	451

	Capacity	E	F	G	I	J
V 530	30	350	100/320	240/272	-	-
V 550	50	165	100/320	240/272	-	-
V 580	80	165	100/320	240/272	-	-
V 510	100	165	100/320	240/272	-	-
O 580	80	234	365	240/272	-	-
O 510	100	234	365	240/272		
V 580 TD	80	165	100/320	240/272	251	206
V 510 TD	100	165	100/320	240/272	251	206
V 580 TS	80	165	100/320	240/272	251	206
V 510 TS	100	165	100/320	240/272	251	206

dimensions (mm)

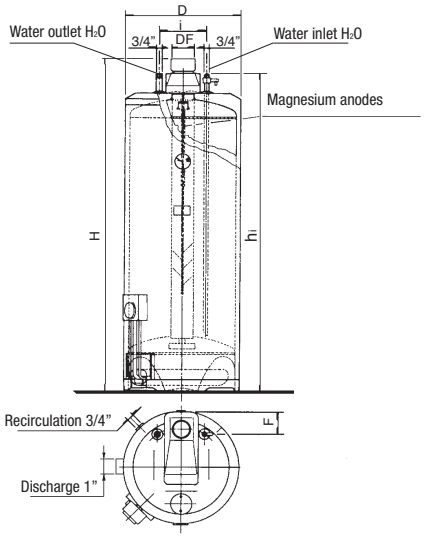
Gas water heaters - SAG3

SAG3 50 - 80 - 100



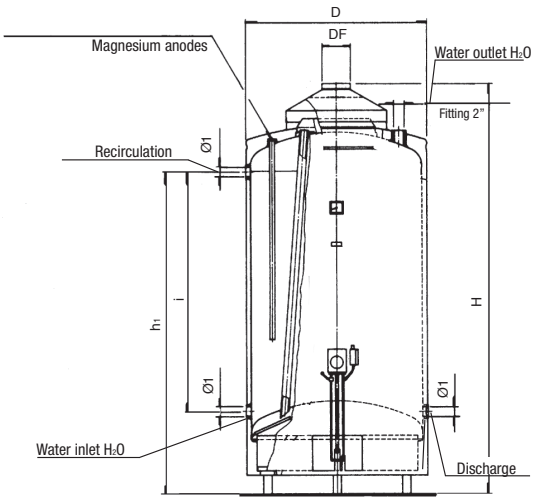
MODEL		SAG3 50	SAG3 80	SAG3 100
D	mm	440	440	440
H	mm	755	960	1130
h1	mm	340	325	325
L	mm	116	116	116
DF	mm	80	80	80

SAG3 115 T - 150 T - 190 T



MODEL		SAG3 115 T	SAG3 150 T	SAG3 190 T
D	mm	490	490	490
H	mm	1150	1400	1650
h1	mm	1105	1355	1605
i	mm	200	201	200
F	mm	106	106	106
DF	mm	80	80	80

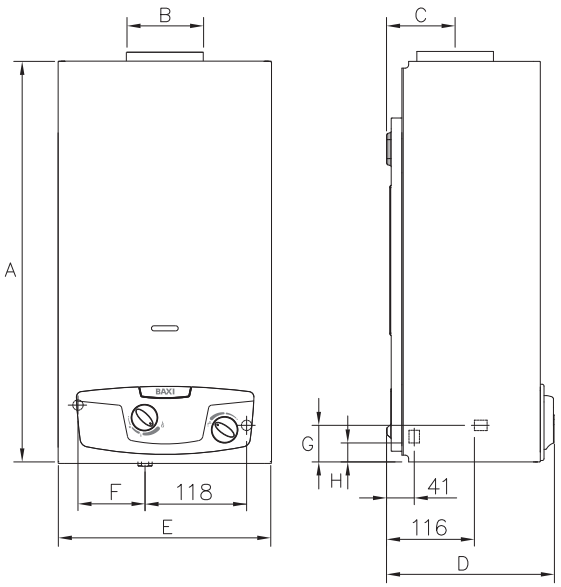
SAG3 300 T



MODEL		SAG3 300 T
D	mm	650
H	mm	1685
h1	mm	1660
i	mm	140
DF	mm	120

Gas instantaneous water heaters - Acquaprojet/+

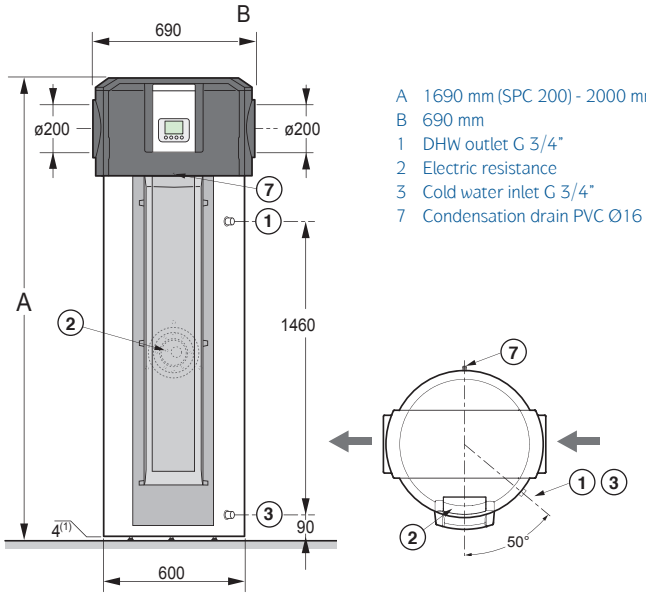
Acquaprojet+
11p
11i - 14i



MODEL		11p	11i	14i
A	mm	592	592	650
B (Ø)	mm	110	110	130
C	mm	101	101	101
D	mm	245	245	245
E	mm	314	314	365
F	mm	97	97	117
G	mm	54	54	74
H	mm	83	25	45

Floor standing heat pump water heaters - SPC

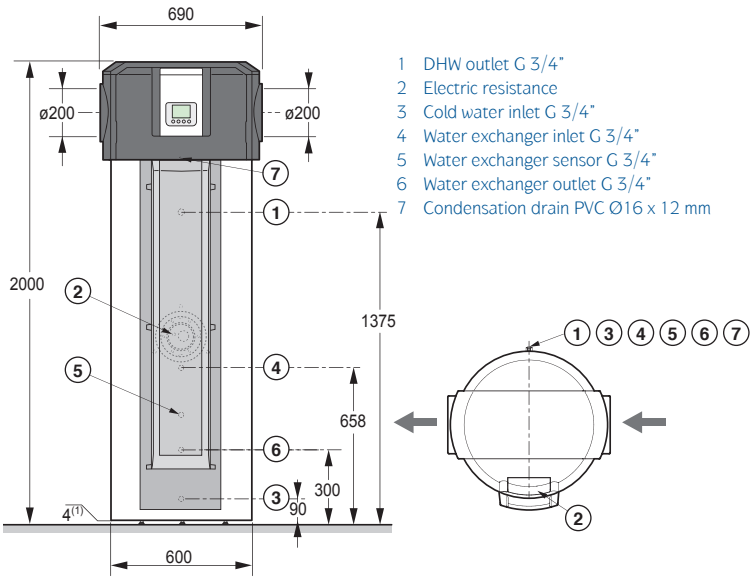
SPC 200 - SPC 300



A 1690 mm (SPC 200) - 2000 mm (SPC 300)
B 690 mm
1 DHW outlet G 3/4"
2 Electric resistance
3 Cold water inlet G 3/4"
7 Condensation drain PVC Ø16 x 12 mm

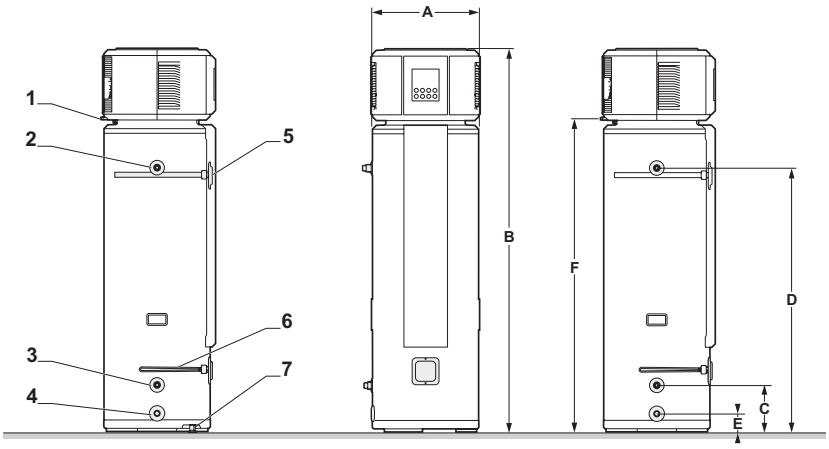
Floor standing heat pump water heaters - SPC

SPC 300 S



1 DHW outlet G 3/4"
2 Electric resistance
3 Cold water inlet G 3/4"
4 Water exchanger inlet G 3/4"
5 Water exchanger sensor G 3/4"
6 Water exchanger outlet G 3/4"
7 Condensation drain PVC Ø16 x 12 mm

SPC 180 ECO



1 Condensation drain
2 DHW outlet G 3/4"
3 Cold water inlet G 3/4"
4 Drain
5 Magnesium anode
6 Electric resistance 1,55 kW
7 Adjustable feet

A	Diametro dello scaldacqua termodinamico	mm	552
B	Altezza dello scaldacqua	mm	1670
C	Altezza raccordo acqua fredda	mm	240
D	Altezza raccordo acqua calda	mm	1050
E	Altezza apertura di scarico	mm	93
F	Altezza apertura di scarico dei condensati	mm	1308

Accessories for gas condensing and gas boilers

Flue pipe accessories

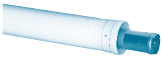
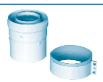
Coaxial flue system for GAS CONDENSING BOILERS

	Description	Code
	PP coaxial flue pipes with terminal Ø 60/100 L=750 mm supplied with windproof terminal and sealing collar	KHG 71405961
	PP coaxial flue pipe extension Ø 60/100 L=1000 mm	KHG 71405951
	Coaxial flue pipe extension L=500 - Ø 60/100	KHG 71411981
	PP coaxial flue pipe extension with checking profile - Ø 60/100 L=310 mm	KHG 71411951
	PP coaxial 90° bend Ø 60/100	KHG 71405971
	Coaxial 90° bend with checking profile - Ø 60/100	KHG 71411931
	PP coaxial 45° bend Ø 60/100	KHG 71405981
	PP coaxial flue pipes with terminal Ø 80/125 L=1000 mm supplied with windproof terminal and sealing collar	KHG 71408891
	PP coaxial flue pipe extension with checking profile - Ø 80/125 L=245 mm	KA00054
	Coaxial 90° bend with checking profile - Ø 80/125	KA00055
	PP coaxial flue pipe extension Ø 80/125 L=1000 mm	KHG 71408851
	PP coaxial flue pipe extension Ø 80/125 L=500 mm	KHG 71408861
	PP coaxial 90° bend Ø 80/125	KHG 71408871
	PP coaxial 45° bend Ø 80/125	KHG 71408881
	Internal sealing collar Ø 100	KHG 71401771
	PP vertical chimney terminal Ø 60/100	KUG 71413581
	Pitched roof tile Ø 100	KHG 71403661
	PP vertical chimney terminal Ø 80/125*	KHG 71409351
	PP reduction from Ø 80/125 to Ø 60/100	KHG 71409391
	Flat roof tile to be used with a vertical chimney terminal Ø 80/125	KHG 71409361
	Pitched roof tile to be used with a vertical chimney terminal Ø 80/125; it is adjustable from 15° to 45°	KHG 71409371

*+KHG 71409391

Flue pipe accessories

Coaxial flue system for FANNED FLUE GAS BOILERS

	Description	Code
	Coaxial flue tube with terminal Ø 60/100	KHG 71410181
	Coaxial flue tube extension Ø 60/100 L=1000 mm	KHG 71410171
	Coaxial flue tube extension Ø 60/100 L=500 mm	KHG 71410391
	Coaxial flue tube extension Ø 60/100 L=250 mm	7213462
	Coaxial flue tube extension Ø 60/100 with checking profile L=330 mm	KHG 71410401
	Telescopic coaxial flue pipe Ø 60/100	7108063
	Starting coaxial 90° bend Ø 60/100	KHG 71410141
	Starting coaxial 90° bend Ø 60/100 with checking profile	KHG 71410411
	Coaxial 90° bend Ø 60/100 - additional	KHG 71410151
	Coaxial 90° bend Ø 60/100 with checking profile - additional	KHG 71413661
	Coaxial 45° bend Ø 60/100	KHG 71410161
	Reduction from Ø 80/125 to Ø 60/100	KHG 71411941
	Coaxial reduction kit Ø 80/125 - Ø 60/100 with draining trap	KHG 71410201
	Coaxial flue tube with terminal Ø 80/125	KHG 71414061
	Coaxial flue tube extension Ø 80/125 L=1000 mm	KHG 71414041
	Coaxial 90° bend Ø 80/125	KHG 71414051
	Coaxial condensate collector kit Ø 60/100 (it replaces KHG 714087710)	KHG 71411971
	Internal sealing collar Ø 100	KHG 71401771
	Adapter for 45° bend/vertical chimney	KHG 71410191
	Vertical chimney terminal for coaxial flue system Ø 60/100	KHG 71403641
	Flat roof tile	KHG 71403671
	Pitched roof tile	KHG 71403661

Flue pipe accessories

Dual flue system FOR GAS CONDENSING BOILERS

	Description	Code
	Adjustable dual flue system Ø 80*	7102689
	Dual flue system Ø 80 it includes: flue reduction, intake connection* (not for Duo-tec Compact)	KHG 71405911
	Vertical flue system B23 type installation*	KHG 71411101
	Tube extension Ø 80 L=1000 mm*	KHG 71405941
	Tube extension Ø 80 L=500 mm*	KHG 71405991
	Tube extension Ø 80 L=250 mm*	7107183
	90° bend Ø 80*	KHG 71405921
	45° bend Ø 80*	KHG 71405931
	Dual flue terminal Ø 80	KHG 71401041
	Reduction M/F from Ø 80 to Ø 60*	KHG 71407561
	Tube extension Ø 60 L=1000 mm*	KHG 71407531
	Tube extension Ø 60 L=500 mm*	KHG 71407521
	90° bend Ø 60*	KHG 71407541
	45° bend Ø 60*	KHG 71407551
	Dual flue terminal Ø 60	KHG 71403721
	Reduction M/F from Ø 80 to Ø 50* (1)	7107175
	Tube extension Ø 50 L=500 mm* (1)	7107174
	Tube extension Ø 50 L=1000 mm* (1)	7107057
	Tube extension Ø 50 L=2000 mm* (1)	7107058
	90° bend Ø 50* (1)	7107060
	45° bend Ø 50* (1)	7107059
	90° flue terminal Ø 50 (1)	7107176
	Tube Ø 80 centring (pack of 5)	KHG 71403741
	Clamp centring kit Ø 80	KHG 71410611
	Tube Ø 60 centring kit (pack of 5)	KHG 71405151
	Tube Ø 80 supporting bracket (pack of 5)	KHG 71403731
	Internal sealing collar Ø 80	KHG 71401851
	External sealing collar Ø 80	KHG 71401841
	Coaxial vertical chimney terminal 80/125**	KHG 71409351
	Dual flue pipes adapter for coaxial chimney from Ø 80/80 to Ø 80/125	KHG 71409381
	Flat roof tile Ø 125 to be used with a vertical chimney terminal	KHG 71409361
	Pitched roof tile Ø 125 to be used with a vertical chimney terminal; it is adjustable from 15° to 45°	KHG 71409371

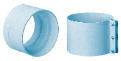
* In PP

** +KHG 71409381

(1) Only for 24 kW boilers of the following ranges: Luna Platinum+, Nuvola Platinum+, Luna Duo-tec+, Duo-tec Compact+, Duo-tec Max+, Nuvola Duo-tec+, Duo-tec Compact

Flue pipe accessories

Dual flue system for FANNED FLUE GAS BOILERS

	Description	Code
	Dual flue AFR system kit (not for Eco5 Compact and Main5)	KHG 71406151
	Painted tube Ø 80 L=1000 mm	KHG 71401831
	Painted tube Ø 80 L=500 mm	KHG 71401821
	Aluminium tube Ø 80 L=2000 mm	KHG 71403871
	Aluminium tube Ø 80 L=1000 mm	KHG 71403861
	Aluminium tube Ø 80 L=500 mm	KHG 71403851
	90° bend Ø 80	KHG 71401801
	45° bend Ø 80	KHG 71401811
	Painted insulated tube Ø 80 L=1000 mm	KHG 71410541
	Painted insulated tube Ø 80 L=500 mm	KHG 71410531
	Insulated bend 90° Ø 80	KHG 71410511
	Insulated bend 45° Ø 80	KHG 71410521
	Insulated tube adapter	KHG 71403051
	PPS adjustable dual flue system Ø 80	KHG 71413621
	AL adjustable dual flue system Ø 80	7108183
	Dual flue insulation kit	7219368
	Condensate collector kit	KHG 71405471
	Condensate collector kit - Ø 80	KHG 71411961
	Vertical condensate collector kit Ø 80	KHG 71412281
	Air inlet/outlet flue socket kit	KHG 71405041
	Air outlet flue socket kit	KHG 71405031
	Tube Ø 80 centring kit (pack of 5)	KHG 71403741
	Clamp centring kit	KHG 71410611
	Tube Ø 80 supporting bracket (pack of 5)	KHG 71403731
	Internal sealing collar Ø 80	KHG 71401851
	Internal sealing collar for insulated tubes Ø 100	KHG 71401771

Flue pipe accessories

Dual flue system for FANNED FLUE GAS BOILERS

	Description	Code
	External sealing collar Ø 80 ▲	KHG 71401841
	Dual flue vertical chimney terminal Ø 80/125 ▲	KHG 71403651
	Vertical chimney terminal for dual flue system Ø 80	7110046
	Flat roof tile	KHG 71403671
	Pitched roof tile	KHG 71403661
	Dual flue terminal Ø 80	KHG 71401041

Flexible ducting system Ø 80 for CONDENSING BOILERS

	Description	Code
	PP flexible tube Ø 80 L= 1,5 m	KHG 71410571
	PP flexible tube Ø 80 L= 20 m	KHG 71410581
	PP 90° bend Ø 80 with supporting bracket and condensate drainings	KHG 71410591
	PP 90° bend Ø 80 with supporting bracket	KHG 71410601
	Flexible centring kit Ø 80 (pack of 3)	KHG 71410621
	Triple lips gaskets kit Ø 80 (pack of 5)	KHG 71411121

Flexible ducting system Ø 50 for Prime and CONDENSING BOILERS (24 kW)

	Description	Code
	Reduction kit Ø 60 (M) / Ø 50 flexible tube	KA00056
	Reduction kit Ø 60 (F) / Ø 50 flexible tube	KA00057
	90° bend Ø 60 (M) / Ø 50 flexible tube	KA00058
	45° bend Ø 60 (M) / Ø 50 flexible tube	KA00059
	Reduction kit Ø 80 (M) / Ø 50 flexible tube	KA00060
	Joint for flexible tube	KA00061
	Flexible pipe Ø 50 L=12,5 m	KA00062
	Flexible centring kit Ø 50 (pack of 5)	KA00063
	T terminal for flexible pipe Ø 50	KA00064
	PP 90° bend Ø 60 / Ø 50 flexible tube with supporting bracket	KA00065
	PP 90° bend Ø 80 / Ø 50 flexible tube with supporting bracket	KA00066
	Terminal for flexible pipe Ø 50	KA00067
	Tube with checking profile Ø 50	KA00068

Flue pipe accessories

Flue system for Prime

	Description	Code
	Dual flue system kit Ø 80/80	KA00048
	90° lowered bend Ø 60/100	KA00049
	Reduction kit Ø 80/125 with checking profile	KA00054
	90° bend Ø 80/125 with checking profile	KA00055
	Lower cover	KA00051
	Spacer 40 mm	KA00069

Special accessories in case of hard weather conditions

	Description	Code
	Horizontal coaxial flue terminal Ø 60/100	KHG 71413611
	Vertical coaxial flue terminal Ø 60/100 for gas boilers	KUG 71413571
	Vertical coaxial flue terminal Ø 60/100 for condensing boiler	KUG 71413581
	Vertical coaxial flue terminal Ø 80/125 for condensing boiler	KUG 71413591

Other accessories: replacement kits

Platinum+ includes: Luna Platinum+, Nuvola Platinum+;
Duo-tec+ includes: Luna Duo-tec+, Duo-tec Compact+, Duo-tec Max+, Nuvola Duo-tec+, Duo-tec Compact
Luna3+ includes: Luna3 Avant+, Luna3+, Luna3 Blue+, Luna3 Comfort, Luna3

Description	Code	Platinum+ Duo-tec+	Prime	Luna3+	Ecofour Eco5 Compact Main5	Nuvola3 BS 40 Nuvola3 Nuvola3+ Comfort
Universal replacement kit: it includes fittings and flexible stainless steel pipes	7215673	• Excluding Nuvola Platinum+ Nuvola Duo-tec+	•	•	•	
Universal replacement kit	7111199					Nuvola3 BS Nuvola3+

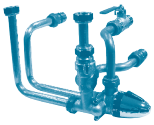
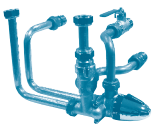
Installation templates

Platinum+ includes: Luna Platinum+, Nuvola Platinum+;
Duo-tec+ includes: Luna Duo-tec+, Duo-tec Compact+, Duo-tec Max+, Nuvola Duo-tec+, Duo-tec Compact
Luna3+ includes: Luna3 Avant+, Luna3+, Luna3 Blue+, Luna3 Comfort, Luna3

Description	Code	Platinum+ Duo-tec+	Prime	Luna3+	Slim Slim HPS	Ecofour Eco5 Compact Main5	Nuvola3 BS 40 Nuvola3 Nuvola3+ Comfort
Metal template for Platinum+/Duo-tec+	7109786	Luna Platinum+, Luna Duo-tec+, Duo-tec Max+					
Metal template for Prime	KA00070		•				
Metal template for Duo-tec Compact	7109787	Duo-tec Compact+ Duo-tec Compact					
Metal template for Luna3+ fanned flue models	KHG 71406201			•			
Metal template for Luna3+ open flue models	KHG 71406181			Luna3 Comfort, Luna3+, Luna3 Blue+			
Metal template for storage boilers	KHG 71406011						•
Metal template for combi	KSL 71408641			Comfort Combi			

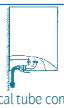
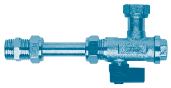
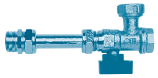
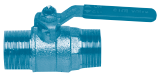
Accessories for solar integration

Platinum+ includes: Luna Platinum+, Nuvola Platinum+;
Duo-tec+ includes: Luna Duo-tec+, Duo-tec Compact+, Duo-tec Max+, Nuvola Duo-tec+, Duo-tec Compact
Luna3+ includes: Luna3 Avant+, Luna3+, Luna3 Blue+, Luna3 Comfort, Luna3

Description	Code	Platinum+ Duo-tec+	Prime	Luna3+	Ecofour Eco5 Compact Main5	Nuvola3 BS 40 Nuvola3 Nuvola3+ Comfort
 Solar valve kit	7115139	Luna Platinum+, Luna Duo-tec+, Duo-tec Compact+, Duo-tec Max+ Duo-tec Compact	•			
 Solar valve kit	KHG 71412311			Luna3 Avant+, Luna3+, Luna3 Comfort, Luna3		

Hydraulic accessories

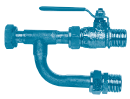
Platinum+ includes: Luna Platinum+, Nuvola Platinum+;
Duo-tec+ includes: Luna Duo-tec+, Duo-tec Compact+, Duo-tec Max+, Nuvola Duo-tec+, Duo-tec Compact
Luna3+ includes: Luna3+, Luna3 Blue+, Luna3 Comfort, Luna3

Description	Code	Platinum+ Duo-tec+	Prime	Luna3+	Slim Slim HPS	Ecofour Eco5 Compact Main5	Nuvola3 BS 40 Nuvola3 Comfort
 Heating systems taps with filter	7109314	•				Eco5 Compact Main5	
 Telescopic connection pipes with gas and mains water valves	7106980	Duo-tec+	•			Eco5 Compact Main5	
 Hydraulic connection kit for combi boiler	KHG 71411071			•			
 Hydraulic connection kit for heating only boiler	KHG 71410701			•			
 Hydraulic connection kit with heating valves	KHG 71411081			•			
 Telescopic connection pipes with gas inlet valve	KHG 71402891					Ecofour	
 Telescopic connection pipes	7107388						Nuvola3 BS40 Nuvola3+
 Vertical tube connection kit: it includes 5 tubes for vertical connection	KHG 71402331	• Excluding Nuvola Platinum+ Nuvola Duo-tec+		•		+ KHG 71402891	
 Mains water valve with filter	KHG71402191			•		Ecofour	
 Mains water valve without filter *	KHG 71405261*				Slim (combi boilers)		
 Heating system flow/return valve with filter	KHG71402461			•		Ecofour	
 Heating system flow/return valve without filter *	KHG 71402201*				Slim (combi boilers) + 1.260 - 1.300 Fi/Fin models		Nuvola3 Comfort
 Expansion vessel (10 lt)	KHG 71402161			•			

* To be used for Slim of connected with female/female adapter available on the market.

Hydraulic accessories

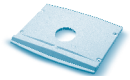
Platinum+ includes: Luna Platinum+, Nuvola Platinum+;
Duo-tec+ includes: Luna Duo-tec+, Duo-tec Compact+, Duo-tec Max+, Nuvola Duo-tec+, Duo-tec Compact
Luna3+ includes: Luna3 Avant+, Luna3+, Luna3 Blue+, Luna3 Comfort, Luna3,

Description	Code	Platinum+ Duo-tec+	Prime	Luna3+	Slim Slim HPS	Ecofour Eco5 Compact Main5	Nuvola3 BS 40 Nuvola3 Comfort Nuvola3+
 Additional expansion vessel (2 lt)	KHG 71407971	Nuvola Duo-tec+					
 Additional expansion vessel (2 lt)	KHG 71403441						Nuvola3 BS 40
 Combi additional expansion vessel (4 lt)	KSL 71408611			Comfort Combi			
 Pump UPS 15/70	KHG 71408521			•	Slim		
 Flow restrictor 8 l/mins	KHG 71402291			•			
 Recirculating kit	KHG 71402271	Nuvola Platinum+, Nuvola Duo-tec+					Nuvola3 Comfort
 3 way valve motor	KHG 71410661			Luna3 Comfort - heating only models			
 3 way valve motor and hot water temperature sensor*	KFG 71411191			Luna3 Comfort - heating only models			
 Electric 3 way kit for external connection	KHG 71409631					Heating only	
 DHW sensor - pump connecting cable	KHW 71408741				Slim		

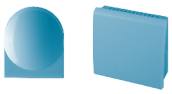
* to be used in case of heating only boilers Luna3 models for connection to any solar cylinders

Outdoor installation accessories

Luna3+ includes: Luna3 Avant+, Luna3 Comfort, Luna3 Blue+, Luna3, Luna3+

Description	Code	Platinum+ Duo-tec+ (1)	Prime	Luna3+	Ecofour Eco5 Compact Main5	Nuvola3 BS 40 Nuvola3 Comfort Nuvola3+
 Upper cover for open flue models	KHG 71402481			Luna3 Comfort, Luna3, (24 kW)		
 Upper cover for fanned flue models	KHG 71407341			•		

Thermoregulation accessories for Luna Platinum+, Nuvola Platinum+
(the accessories dedicated to Platinum+ cannot be used for Duo-tec+ boilers)

	Description	Code
	Outdoor sensor	7104873
	Wireless outdoor sensor THINK* (ONLY FOR PLATINUM BOILERS)	7103027
	3LEDs interface THINK with support (ONLY FOR PLATINUM BOILERS)	7102340
	5LEDs interface THINK with support (ONLY FOR PLATINUM BOILERS)	7102441
	Wireless aerial-5 LEDs (ONLY FOR PLATINUM BOILERS)	7102343
	Remote control THINK (ONLY FOR PLATINUM BOILERS)	7102442
	Remote contro THINK wireless (ONLY FOR PLATINUM BOILERS)	7102443
	Modulating room thermostat THINK (ONLY FOR PLATINUM BOILERS)	7101061
	Wireless modulating room thermostat THINK* (ONLY FOR PLATINUM BOILERS)	7103044
	Room thermostat with timer THINK (ONLY FOR PLATINUM BOILERS)	7102980
	Wireless room thermostat with timer THINK* (ONLY FOR PLATINUM BOILERS)	7102979
	Room thermostat RAA21	KHG71406281
	Room thermostat	KHG 71408691

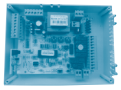
* wireless model to be ordered with the interface kit for remote control THINK - 5 leds (7102441) when the remote control is installed on the wall, or with the wireless aerial (7102343) when the remote control is installed in the boiler control panel

Thermoregulation accessories for Luna Platinum+, Nuvola Platinum+
(the accessories dedicated to Platinum+ cannot be used for Duo-tec+ boilers)

think intelligence within

	Description	Code
	Programmable clip-in module THINK (ONLY FOR PLATINUM BOILERS)	7100345
	Heating flow/return sensor clip-in module THINK	KHG 71407891
	Programmable external module THINK (ONLY FOR PLATINUM BOILERS)	7105037
	Hot water temperature sensor	KHG 71407681

Thermoregulation accessories for Luna Duo-tec+, Duo-tec Compact, Duo-tec Max+, Nuvola Duo-tec
(the accessories dedicated to Duo-tec+ cannot be used for Platinum+ boilers)

	Description	Code
	Outdoor sensor	7104873
	Modulating thermostat (ONLY FOR DUO-TEC BOILERS)	7104347
	Wireless modulating thermostat - it includes wireless transmitter (ONLY FOR DUO-TEC boilers)	7105430
	Modulating room thermostat with timer (ONLY FOR DUO-TEC BOILERS)	7104336
	Wireless modulating thermostat with timer - it includes wireless transmitter (ONLY FOR DUO-TEC BOILERS)	7105432
	Room thermostat	KHG 71408691
	PCB interface for zone control	7113502
	Zone controller kit - MLC30.01 (4 to 1)	7109320
	Mixing controller kit - MLC16.60 (mixed zone controller) (included 1 QAD 36 SENSOR)	7110415
	Hot water temperature sensor	KHG 71407681
	Heating flow/return sensor clip-in module THINK	KHG 71407891

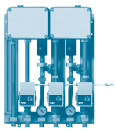
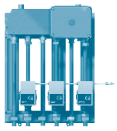
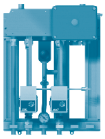
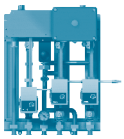
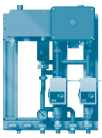
Thermoregulation accessories

Description	Code	Prime	Luna3+	Slim Slim HPS	Ecofour Eco5 Compact Main5	Nuvola3 BS 40 Nuvola3 Comfort Nuvola3+
 Outdoor sensor	KHG 71406211		•	Slim	•	•
 Outdoor sensor	7104873	•				
 Mechanical daily timer kit	KHG 71406161			Slim		
 Digital weekly timer	KHG 71406171			Slim		
 Remote controller and climatic regulator	KHG 71410641		Luna3, Luna3 Blue			Nuvola3 BS 40
 Remote controller and climatic regulator wireless	KHG 71411471		•			•
 Remote controller and climatic regulator (phasing out)	KHG 71407261			Slim		
 PCB interface for remote controller	KHG 71407251			Slim		
 Weekly timer and room thermostat nice time	KHG 71408681	•	•	Slim	•	•
 Weekly timer and room thermostat magic time plus	KHG 71408671	•	•	Slim	•	•
 Room thermostat	KHG 71408691	•	•	Slim	•	•
 PCB for remote alarm signal	KHG 71410051				Eco5 Compact Main5	
 PCB interface for zone control	KHG 71410651		•			•
 Hot water temperature sensor	KHG 71406191		Luna3 Comfort - heating only			

Mixing systems accessories

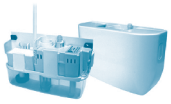
(Dimensions mm hxwxd: 600x450x210;
MS models- hxwxd: 700x450x210)

Platinum+ includes: Luna Platinum+, Nuvola Platinum+;
Duo-tec+ includes: Luna Duo-tec+, Duo-tec Compact+, Duo-tec Max+, Nuvola Duo-tec+, Duo-tec Compact
Luna3+ includes: Luna3 Avant+, Luna3+, Luna3 Blue+, Luna3 Comfort, Luna3

	Description	Code	Platinum+ Duo-tec+	Prime	Luna3+	Slim Slim HPS	Ecofour Eco5 Compact Main5	Nuvola3 BS 40 Nuvola3 Comfort
	Box for mixing systems (with closing door)	7222568	•	•	•		•	•
	Wall hung box for mixing systems	7222565	•	•	•		•	•
	Mixing system kit "MS IN" THINK (1 HT zone - 2 LT zones)	7222368	Platinum+					
	Mixing system kit "MS IN" THINK (1 HT zone - 1 LT zone)	7222367	Platinum+					
	Universal mixing system kit "MS IN":							
	3 zones	7222366	•	•	•	Slim up to 30 kW	•	•
	2 zones	7222365	•	•	•	Slim up to 30 kW	•	•
	Universal mixing system kit "MS IN" (1 HT zone - 1 LT zone)	7225039	•	•	•	Slim up to 30 kW	•	•
	Universal mixing system kit "MS IN" (1 HT zone - 2 LT zones)	7225038	•	•	•	Slim up to 30 kW	•	•
	Mixing system kit "MS IN" (2 LT zones)	7225040	•	•	•	Slim up to 30 kW	•	•

Other accessories

Platinum+ includes: Luna Platinum+, Nuvola Platinum+;
Duo-tec+ includes: Luna Duo-tec+, Duo-tec Compact+, Duo-tec Max+, Nuvola Duo-tec+, Duo-tec Compact
Luna3+ includes: Luna3 Avant+, Luna3+, Luna3 Blue+, Luna3 Comfort, Luna3

Description	Code	Platinum+ Duo-tec+ (1)	Prime	Luna3+	Slim Slim HPS	Ecofour Eco5 Compact Main5	Nuvola3 BS 40 Nuvola3 Comfort Nuvola3+
 Bottom cover	KHG 71407381			•			
 Polyphosphate batcher	KHG 71402301	•	•	•	•	•	•
 Polyphosphate recharge (pack of 4)	KHG 71402431	•	•	•	•	•	•
 Condensate neutralizer kit (for boilers up to 100 kW)	KHG 71412561	•	•	Luna3 Avant+			
 Condensate drain kit for condensing boilers up to 45 kW	7213162	•	•	Luna3 Avant+			

Accessories for Slim

Description	Code
Windproof flue terminal diam. 160 (for 1.400iN - 1.490iN models)	KHW 71406881
Windproof flue terminal diam 180 (for 1.620 iN model)	KHW 71406891

Accessories for UB Inox - Combi 80 L

Description	Code	UB inox	Slim UB inox	Combi 80 L
 UB Inox additional expansion vessel (4 litres)	KHG 71408541	•	•	
 Combi additional expansion vessel (4 lt)	KSL 71408611			•
 3 way valve motor	KHG 71410661	For connection of Luna3 boilers		
 3 way valve motor and hot water temperature sensor	KFG 71411191	For connection of Luna3 boilers (heating only) to tanks not supplied by Baxi and to UB 120 - 160 SC		
 Electric 3 way kit for external connection	KHG 71409631	•		
 Connection pump kit	KHW 71408561		•	
 Connection kit to indirect cylinder for boilers > 35 kW	KHW 71409681		•	
 Metal template UB Inox 80-120	KSG 71408821	•	•	
 Combi 80 L connection kit	KSL71411051			•

Notes

Notes

Notes

Notes

Quality
Environment
Safety

are Baxi strategic aims and the awarded certifications ensure compliance with the specific regulations

BAXISPA

36061 BASSANO DEL GRAPPA (VI) - ITALY
Via Trozzetti, 20
marketing@baxi.it
www.baxi.it

Baxi S.p.A. 03-16 (E)