

Nuvola3 Comfort



- 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		
		140 Fi	240 Fi	280 Fi	320 Fi	240 i	280 i	
Product code	Natural Gas	CSB	45714358	45724358	45728358	45732358	45424358	45428358
Maximum heat input	kW	15,3	26,3	30,1	34,5	27,1	31,1	
Minimum heat input	kW	6,9	11,9	11,9	11,9	11,9	11,9	
Maximum heat output	kW	14	24,4	28	32	24,4	28	
Minimum heat output	kW	6	10,4	10,4	10,4	10,4	10,4	
Maximum efficiency	%	90,9	92,9	93,1	93,2	90,2	90,6	
Energetic efficiency (92/42/CEE)		★★	★★★	★★★	★★★	★★	★★	
Efficiency at 30%	%	88,3	90,4	90,5	90,5	89,4	89,5	
Minimum working temperature	°C	-5	-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	7,5/0,5	
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	35/65	35/65	35/65	35/65	35/65	35/65	
Cylinder capacity	l	60	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	2/3,5	
Specific flow according to EN 625	l/min	14,1	18,2	19	21,5	18,2	19	
DHW production ΔT 25°C ⁽¹⁾	l/min	8,1	14	16,1	18,3	14	16,1	
DHW production at discharge ΔT 30°C ⁽¹⁾	l/30'	260	390	450	490	390	450	
Maximum pressure on DHW circuit	bar	8	8	8	8	8	8	
Flue tube	Ø mm	-	-	-	-	140	140	
Coaxial flue system Ø 60/100	m	5	4	4	4	-	-	
Dual flue system Ø 80 max length	m	30	30	30	30	-	-	
Maximum flue mass flow rate	kg/s	0,015	0,018	0,018	0,022	0,022	0,024	
Minimum flue mass flow rate	kg/s	0,015	0,017	0,018	0,021	0,021	0,021	
Maximum flue temperature	°C	120	134	142	142	110	115	
Dimensions (h x w x d)	mm	950 x 600 x 466						
Net weight	kg	70	70	70	70	60	60	
Gas type		Natural Gas/LPG [▲]						
Power consumption	W	190	190	190	190	110	110	
Grade of protection		IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	

⁽¹⁾ Without flow restrictor.

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