

Prime HT - Prime Storage HT



IPx5D

- Stainless steel heat exchanger: reliability and long life
- Easiness of use: traditional control panel with knobs, digital display and operating lights
- Connection to Baxi integrated solar systems option
- Prime Storage HT: combi with storage version with 45 lt DHW cylinder (stainless steel AISI 316L) delivering up to 385 lt in 30' (ΔT 30°C)



Control panel
Thanks to a panel with knobs, digital display and operating lights the user is able to easily select the temperature and control the diagnostics.



Heating only models can be connected to Combi 80lt stainless steel AISI 316 L cylinder. The 80 litres storage allows a free standing installation and a big DHW production to satisfy different simultaneous demand

Hydraulic system

- 3 way electric diverter valve
- Stainless steel AISI 316L premixing burner
- Stainless steel AISI 316L heat exchanger with soundproofing composite casing (Prime HT)
- Stainless steel AISI 316L heat exchanger (Prime Storage HT)
- Stainless steel DHW heat exchanger (Combi models)
- Modulating fan with electronic speed adjusting system
- Automatic by-pass
- Low energy pump with automatic air vent
- System to prevent pump and diverter valve sticking operating every 24 hours
- Central heating relief valve set at 3 bar
- Cylinder relief valve set at 8 bar (Prime Storage HT)
- Sanitary recirculation option (Prime Storage HT)

Thermoregulation system

- Built-in climatic regulation (outdoor sensor available as optional)
- Remote control and climatic regulator (available as optional)
- Central heating timer (available as optional)

Control system

- Overheat limit thermostat for the water/flue exchanger
- Hydraulic pressure switch to prevent boiler operating in the event of low water
- Safety device against flues overheat
- Electronic temperatures control by NTC sensors
- Anti-legionella function (Prime Storage HT)
- Full anti-frost device
- Electronic thermometer
- Central heating pressure gauge

		Combi		Combi with integrated storage		Heating* only	
		240	280	330	240	1.120	1.240
Maximum DHW heat input	kW	24,7	28,9	34	24,7	-	-
Maximum heating heat input	kW	20,5	24,7	28,9	24,7	12,4	24,7
Maximum DHW heat output	kW	24	28	33	24	-	-
Maximum heating heat output 80/60°C	kW	20	24	28	24	3,9	6,8
Maximum heating heat output 50/30°C	kW	21,6	25,9	30,3	25,9	13	25,9
Minimum heat output 80/60°C	kW	6,8	8,7	9,4	6	12	24
Minimum heat output 50/30°C	kW	7,4	9,5	10,2	6,5	4,2	7,4
Energetic efficiency (92/42/CEE)							
Average efficiency (DIN 4702-T8)	%	109,8	109,8	109,8	109,8	109,8	109,8
Nominal efficiency 80/60°C	%	97,6	97,6	97,6	97,2	97,6	97,6
Nominal efficiency 50/30°C	%	105,1	105,0	105,0	105,1	105,2	105,1
Efficiency 30%	%	107,5	107,5	107,3	107,3	107,5	107,5
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	8/0,5	8/0,5	10/0,5	7,5/0,5	8/0,5	8/0,5
Heating temperature range	°C	25/80	25/80	25/80	25/80	25/80	25/80
DHW temperature range	°C	35/60	35/60	35/60	10/60	10/60	10/60
DHW production ΔT 25°C ⁽¹⁾	l/min	13,8	16,1	18,9	13,8	-	-
Minimum capacity DHW flow rate							
Minimum capacity DHW flow rate	bar	2,2	2,2	2,2	-	-	-
Minimum pressure DHW circuit	bar	0,2	0,2	0,2	-	-	-
Maximum pressure heating circuit	bar	3	3	3	3	3	3
Maximum pressure DHW circuit	bar	8	8	8	8	8	8
Coaxial flue system \varnothing 60/100 max length	m	10	10	10	10	10	10
Dual flue system \varnothing 80 max length	m	80	80	80	80	80	80
Maximum flue mass flow rate	kg/s	0,012	0,014	0,016	0,012	0,006	0,012
Minimum flue mass flow rate	kg/s	0,003	0,004	0,005	0,003	0,002	0,003
Maximum flue temperature	°C	73	75	75	73	73	73
Dimensions (h x w x d)							
Dimensions (h x w x d)	mm	760x450x345		950x600x466		760x450x345	
Net weight	kg	44	45	46	66	44	45
Gas type		Nat. gas/LPG					
Power consumption	W	150	155	160	150	145	150
Grade of protection		IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D

⁽¹⁾ without flow restrictor

* Heating only models are connectable to combi 80 lt/UB-UB INOX 80/120 lt. See pages 31-32 for sanitary performance.