

ENERGY LABEL SPECIFICATIONS (according to ErP Regulation)	ErP symbol	UM	EXCLUSIVE 25C	EXCLUSIVE 30C	EXCLUSIVE 35C	EXCLUSIVE 42C	EXCLUSIVE 25R	EXCLUSIVE 35R	EXCLUSIVE 42R
Product boiler code			20125265	20125266	20142749	20142206	20127972*	20142750*	20142207
Seasonal space heating energy efficiency class			A	A	A	A	A	A	A
Water heating energy efficiency class			A	A	A	A	-	-	-
Rated heat output	pnominal	kW	18	24	29	34	18	29	34
Seasonal space heating energy efficiency	ηs	%	94	94	94	94	94	94	94
USEFUL HEAT OUTPUT									
At rated heat output and high-temperature regime (**)	P4	kW	17,6	23,5	29,4	34,3	17,6	29,4	34,3
At 30% of rated heat output and low-temperature regime (***)	P1	kW	5,9	7,9	9,8	11,5	5,9	9,8	11,5
USEFUL EFFICIENCY									
At rated heat output and high-temperature regime (**)	η4	%	88,2	88,3	88,1	88,2	88,2	88,1	88,2
At 30% of rated heat output and low-temperature regime (***)	η1	%	98,9	98,9	98,6	98,5	98,9	98,6	98,5
Useful efficiency 30% Pn max (G20)		%	109,8	109,7	109,3	109,4	109,8	109,3	109,4
AUXILIARY ELECTRIC CONSUMPTION									
At full load	elmax	W	28,0	37,0	40,0	34,3	28,0	40,0	34,3
At partial load	elmin	W	14,0	14,0	14,0	11,5	14,0	14,0	11,5
In Stand-by mode	PSB	W	3,0	3,0	3,0	3,0	3,0	3,0	3,0
OTHER PARAMETERS									
Stand-by heat loss	Pstby	W	42,0	42,0	37,0	42,0	42,0	37,0	42,0
Pilot flame energy consumption	Pign	W	-	-	-	-	-	-	-
Annual energy consumption	QHE	GJ	37	42	52	62	37	52	62
Sound power level, indoor	LWA	dB	51	53	54	54 ****	51	54	54 ****
NOx emissions	NOx	mg/kWh	46	33	41	44	46	41	44
FOR COMBI HEATING EQUIPMENT									
Declared load profile			XL	XL	XL	XXL	-	-	-
Water heating energy efficiency	ηwh	%	86	85	85	85	-	-	-
Daily electricity consumption	Qelec	kWh	0,127	0,167	0,148	0,167	-	-	-
Daily fuel consumption	Qfuel	kWh	22,777	22,921	23,093	28,405	-	-	-
Annual electricity consumption	AEC	kWh	28	37	32	37	-	-	-
Annual fuel consumption	AFC	GJ	17	17	17	22	-	-	-
OTHER TECHNICAL SPECIFICATIONS									
CH heat input (max-min)		kW	18,00 - 3,70	24,00 - 4,30	30,00-4,90	35,00-6,00	18,00 - 3,70	30,00-4,90	35,00-6,00
Nominal DHW heat input (max-min)		kW	26,00 - 3,70	30,00 - 4,30	34,60-4,90	42,00-6,00	26,00 - 3,70	34,60-4,90	42,00-6,00
Nominal heat output (80°/60°)		kW	17,60	23,54	29,37	34,30	17,60	29,37	34,30
Nominal heat output (50°/30°)		kW	19,17	25,56	31,77	37,21	19,17	31,77	37,21
Power supply		V-Hz	230-50	230-50	230-50	230-50	230-50	230-50	230-50
Index of electrical protection		IP	X5D	X5D	X5D	X5D	X5D	X5D	X5D
NOx class			6	6	6	6	6	6	6
CH									
Max pressure-temperature		bar-°C	3-90	3-90	3-90	3-90	3-90	3-90	3-90
Pump: maximum head available (with 1000 l/h)		mbar	326	326	326	326	326	326	326
Membrane expansion tank		l	8	8	9	9	8	9	9
DHW									
Max pressure		bar	6	6	6	6	-	-	-
DHW production at ΔT= 25 °C / 30 °C / 35 °C		l/min	14.9/12.4/10.6	17.2/14.3/12.3	19.8/16.5/14.2	24.1/20.1/17.2	-	-	-
Minimum DHW output		l/min	2	2	2	2	-	-	-
HYDRAULIC AND GAS CONNECTIONS									
CH Flow-Return / Gas		Ø	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
DHW Inlet-Outlet/DHW tank flow-Return		Ø	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"
GAS									
Gas nominal pressure (G20-G31)		mbar	20-37	20-37	20-37	20-37	20-37	20-37	20-37
DIMENSIONS, WEIGHT									
Boiler dimensions (HxDxW)		mm	740x275x420	740x275x420	740x350x420	740x350x420	740x275x420	740x350x420	740x350x420
Net weight		kg	35	37	38	40	34	37	39
FLUE AND FLUE GAS OUTLET									
Max length for concentric outlet (Ø60-100mm)		m	10	10	8	5	10	8	5
Max length for twin outlet (Ø80+80mm)		m	70+70	50+50	35+35	27+27	70+70	35+35	27+27

* "Heating-only" models are equipped with 3-way valve and are not provided with filling tap.

** High temperature capacity: 60 °C in boiler Return and 80 °C in boiler Delivery.

*** Low temperature capacity: 30°C for condensation boilers, 37°C for low temperature boilers for other heating equipment return temperature 50°C.

**** Provisional data.