

## Power HT+ 50-110 kW



- High modulation ratio 1:9: better efficiency and noiseless
- High efficiency full modulating circulating pump – available with the hydraulic connection
- Stainless steel exchanger
- Fanned flue models with coaxial or dual flue pipes
- THINK electronic platform, with protection panel
- Cascade installation up to 16 boilers
- Range with 2 different dimensions, distinguished by the height: 904 mm mod. 50-70 kW and 1221 mm mod. 90-110 kW

\* Products with nominal output > 70 kW are not subjected to ErP regulation

### Hydraulic system

- Stainless steel premixing burner with modulating fan
- Stainless steel water/flue exchanger
- System to prevent pump sticking operating every 24 hours
- Flow and return NTC sensor

### Thermoregulation system

- Built-in remote control and climatic regulator
- Built-in climatic regulation (with outdoor sensor supplied as optional)
- Mixed zones system (high and low temperatures) installation option
- Cascade system installation option (up to 16 boilers)
- NTC sensor for DHW cylinder control option

### Control system

- Programmable room unit for heating and DHW
- Overheat limit thermostat of the water/flue exchanger
- Low water pressure switch
- Heating circuit digital manometer
- Full anti-frost device
- Control device for water circulation
- Electronic thermometer
- Complete range of accessories for single and cascade installations

## Outputs from 50 to 110 kW

		1.50	1.70	1.90	1.110
Maximum heating heat input	kW	46,3	66,9	87,4	104,9
Minimum heating heat input	kW	5,1	7,4	9,7	11,7
Maximum heating heat output 80/60°C	kW	45	65	85	102
Maximum heating heat output 50/30°C	kW	48,6	70,2	91,8	110,2
Minimum heating heat output 80/60°C	kW	5,0	7,2	9,4	11,4
<b>Nominal efficiency 80/60°C</b>					
Nominal efficiency 80/60°C	%	97,4	97,2	97,3	97,2
<b>Nominal efficiency 50/30°C</b>					
Nominal efficiency 50/30°C	%	105	105	105,5	105,1
<b>Efficiency at 30%</b>					
Efficiency at 30%	%	108,4	108,1	108,2	108,1
<b>At maximum output</b>					
Combustion efficiency	%	98	97,8	97,9	97,8
Chimney losses	%	2,0	2,2	2,1	2,2
Heat losses through the casing	%	0,6	0,6	0,6	0,6
<b>At maximum output</b>					
Maximum flue temperature	°C	92	76	70	70
CO <sub>2</sub>	%	9,0	9,0	9,0	9,2
O <sub>2</sub>	%	4,8	4,8	4,8	4,5
Air-fuel ratio AFR	%	30	30	30	27
Flue mass flow rate	kg/h	0,021	0,031	0,040	0,047
<b>At minimum output</b>					
Maximum flue temperature	°C	58	55	55	55
CO <sub>2</sub>	%	8,5	8,5	8,5	9,0
O <sub>2</sub>	%	5,7	5,7	5,7	4,8
Air-fuel ratio AFR	%	38	38	38	30
Flue mass flow rate	kg/h	0,002	0,004	0,005	0,005
Power consumption	W	190	210	275	320
Water content	l	2,81	4,98	8,34	9,83
Maximum working pressure	bar	4	4	4	4
Chimney losses (burner off)	%	0,1	0,1	0,1	0,1
<b>Dimensions (h x w x d)</b>					
Dimensions (h x w x d)	mm	904x600x681	904x600x681	1221x600x681	1221x600x681
<b>Net weight</b>					
Net weight	kg	60	70	104	109
<b>Gas type</b>					
Gas type		Met/LPG	Met/LPG	Met/LPG	Met/LPG
<b>Power consumption</b>					
Power consumption	W	100	117	146	185
<b>Power consumption (reduced)</b>					
Power consumption (reduced)	W	24	24	24	24
<b>Power consumption (stand-by)</b>					
Power consumption (stand-by)	W	2,7	3	3	3