

Wall hung traditional boilers

SB

Instant combi wall-hung gas boiler

- Traditional wall-hung boiler, Instant combi via double exchanger
- Electronic display with buttons and front pressure gauge
- Forced flue. Open flue available
- Large availability of models, thermal capacities from 10 to 40 kW
- Main functions:
 - Anti-seize routine for pump
 - 2 levels frost protection
 - Power ignition regulation
 - Protection heating slope
 - IP protection IPX5D



MODEL		10 kW		13 kW		16 kW		18 kW		20 kW		24 kW		30 kW		32 kW		35 kW		40 kW	
Power		Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
Rated heat input	kW	12.3	9.2	15.3	9.2	18.4	9.2	20.0	9.2	22.3	9.2	26.3	9.2	32.6	12.8	34.7	12.8	38.1	13.3	44.1	14.3
Rated heat output 80°C-60°C	kW	10.0	8.3	13.0	8.3	16.0	8.3	18.0	8.3	20.0	8.3	24.0	8.3	30.0	11.9	32.0	11.9	35.0	12.2	40.0	13.0
Rated heat input of sanitary hot water	kW	26.3	9.2	26.3	9.2	26.3	9.2	26.3	9.2	26.3	9.2	26.3	9.2	32.6	12.8	34.7	12.8	38.1	13.3	44.1	14.3
Rated heat output of sanitary hot water	kW	24.0	8.3	24.0	8.3	24.0	8.3	24.0	8.3	24.0	8.3	24.0	8.3	30.0	11.9	32.0	11.9	35.0	12.2	40.0	13.0
Efficiency Pmax (80-60°C)	%	89		89		89		89		89		89		89		89		89		89	
Efficiency Pmin (30%Pmax)	%	85		85		85		85		85		85		85		85		85		85	
Natural gas nozzle (G20)	mm	12x1.28		12x1.28		12x1.28		12x1.28		12x1.28		12x1.28		15x1.30		15x1.30		18x1.30		21x1.30	
Natural gas supply pressure (G20)	Pa	2000		2000		2000		2000		2000		2000		2000		2000		2000		2000	
Pressure at the burner (gas G20)	mbar	3.1	1.5	4.3	1.5	6.0	1.5	7.0	1.5	9.0	1.5	12.0	1.5	12.5	1.0	13.5	1.0	12.0	1.0	11.0	1.0
LPG nozzle (G30)	mm	12x0.79		12x0.79		12x0.79		12x0.79		12x0.79		12x0.79		15x0.82		15x0.82		18x0.82		21x0.82	
LPG supply pressure (G30)	Pa	2800		2800		2800		2800		2800		2800		2800		2800		2800		2800	
Pressure at the burner (gas G30)	mbar	4.5	2.5	8.0	2.5	11.0	2.5	13.5	2.5	16.0	2.5	21.0	2.5	20.0	2.5	21.0	2.5	20.0	2.5	20.0	2.5
Max working temperature	°C	90		90		90		90		90		90		90		90		90		90	
Max working pressure	MPa	0.3		0.3		0.3		0.3		0.3		0.3		0.3		0.3		0.3		0.3	
Safety valve release pressure	MPa	0.3		0.3		0.3		0.3		0.3		0.3		0.3		0.3		0.3		0.3	
Min heating pressure	MPa	0.08		0.08		0.08		0.08		0.08		0.08		0.08		0.08		0.08		0.08	
Volume of expansion water tank	l	6		6		6		6		6		6		8		8		8		10	
Initial pressure of expansion water tank	MPa	0.1		0.1		0.1		0.1		0.1		0.1		0.1		0.1		0.1		0.1	
Volume of wall-hung boiler	l	1.0		1.0		1.0		1.0		1.0		1.0		1.2		1.2		1.2		1.5	
Max. hot water production rate Δt=25k	kg/min	13.6		13.6		13.6		13.6		13.6		13.6		16.2		17.2		18.4		20.6	
Max hot water production rate (Δt=30k)	kg/min	11.3		11.3		11.3		11.3		11.3		11.3		12.3		14.3		15.5		17.6	
Max working pressure of hot water	MPa	0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8		0.8	
Min working pressure of hot water	MPa	0.025		0.025		0.025		0.025		0.025		0.025		0.025		0.025		0.025		0.025	
Sanitary hot water volume	l	0.40		0.40		0.40		0.40		0.40		0.40		0.50		0.50		0.60		0.80	
Max system performance DHW	l/min	12		12		12		12		12		12		14		14		16		18	
Height / Width	mm	740 / 440		740 / 440		740 / 440		740 / 440		740 / 440		740 / 440		740 / 440		740 / 440		740 / 440		740 / 500	
Depth	mm	235		235		235		235		235		235		340		340		340		340	
Net weight	kg	28.8		28.8		28.8		28.8		28.8		28.8		36.7		36.7		37.5		40.3	
Gas supply joint	inches	1/2"		1/2"		1/2"		1/2"		1/2"		1/2"		1/2"		1/2"		1/2"		1/2"	
Heating pipe joint	inches	3/4"		3/4"		3/4"		3/4"		3/4"		3/4"		3/4"		3/4"		3/4"		3/4"	
Sanitary hot water joint	inches	1/2"		1/2"		1/2"		1/2"		1/2"		1/2"		1/2"		1/2"		1/2"		1/2"	
Max electric power	W	110		110		110		110		110		110		110		110		110		110	
Voltage/frequency	V/Hz	230/50		230/50		230/50		230/50		230/50		230/50		230/50		230/50		230/50		230/50	
Protection class	IP	X5D		X5D		X5D		X5D		X5D		X5D		X5D		X5D		X5D		X5D	