



EXA



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Technical data

EXA boilers

EXA		20	27	32	40	50	60	70	80
Output	kW	20,9	30,6	34,9	46,5	58,1	69,8	81,4	93,3
	kcal/h	17.974	26.316	30.014	39.990	49.966	60.028	70.004	80.238
Input	kW	23,25	34	38,6	51,4	64,1	77,2	89,7	103,2
	kcal/h	19.995	29.240	33.196	44.204	55.126	66.392	77.142	88.752
Efficiency at 100%	%	90	90	90,4	90,4	90,6	90,4	90,7	90,4
Efficiency at 30%	%	92	92	92,08	92,14	92,23	92,17	92,25	92,2
Loss on the casing	%	1,25	1,16	1,12	0,9	0,75	0,72	0,69	0,54
Heating circuit pressure	max bar	4	4	4	4	4	4	4	4
Heating temperature adjustment	°C	0/80	0/80	0/80	0/80	0/80	0/80	0/80	0/80
Water content	l	11	14	14	17	20	23	26	29
ΔP water circuit (ΔT 10°C)	mbar	1	1,8	2,4	4,2	7,2	11	15	20
ΔP fumes circuit	mbar	0,12	0,1	0,12	0,13	0,15	0,17	0,18	0,2
Elements	n°	2	3	3	4	5	6	7	8
Heating supply (a1)	Ø	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Heating return (a2)	Ø	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Boiler drain (a3)	Ø	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Mains supply	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50
Weight	kg	80	105	105	130	155	180	205	230
Packaging	mm.	570x530x1020	570x530x1020	570x530x1020	570x730x1020	570x730x1020	570x940x1020	570x940x1020	570x1040x1020

EXA boiler with PAC S heater

EXA		20	27	32	40
PAC S heater		80	120	80	120
Peak delivery over first 10 minutes l.		135	210	140	215
Continuous supply (ΔT 30°C)	l/h	665	655	816	900
Reset time (ΔT 30°C)	min.	7	8,5	6,5	8

- Coil inlet temperature 85°C; coil outlet temperature 70°C; hot water inlet temperature Te 10°C; hot water outlet temperature Tu 40°C; storage temperature 60°C.
- Peak delivery: this is the delivery that the heater is able to provide over the first 10 minutes of output, until a minimum water outflow temperature of 25°C is reached.
- Reset: this is the time necessary to raise the temperature of the water in the heater from 10°C to 40°C (ΔT=30°C).


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EXA cast iron boilers

EXA: The high- efficiency cast iron boiler

Modern technology led to the development of EXA - a high efficiency boiler with low NO_x and CO emissions.

The boiler body is in high quality cast iron and fully complies with DIN 1691 Standards.

It is suitable for operation with light oil or gas forced-draught burners.

The casing has been painted using a powder-type system.

State-of-the-art technology

The boiler body has been designed with the aid of a CAD system. The manufacturing process is automatic and all boilers undergo stringent testing and quality control. The burner support plate is pre-holed and dimensions are uniform for all burners. All EXA boilers are "CE"-certified.

Silent running

Heat and sound insulation on EXA boilers is provided by a boiler body lining that consists of a 60 mm glass wool jacket and the application of sound-absorbent panelling inside the casing.

Easy maintenance

Access to the boiler is easy and is accomplished by removing a single panel from the front part.

The EXA boiler has been designed in such a way as to make maintenance operations as easy as possible by arranging the various components in easily accessible positions.

The range

The EXA range consists of 8 models with effective thermal power ratings from a minimum of 20.9 kW up to a maximum of 93.3 kW.

High performance

A specially designed combustion chamber and heat exchanger (with 3-loop fume coil) provide optimum combustion with efficiencies of over 90%.



EXA boiler with PAC S heater

Plenty of hot water with the PAC S

To ensure that plenty of hot water is made available, we have carefully developed a dual solution that links the EXA boiler to a special coil-type rapid-exchange PAC S storage heater. This heater comes complete with: circulator, one-way valve, upper couplings and drain valve.

All components are easily accessible and inspected.

A housing for an additional heating element is already in place. The PAC S can be positioned on either the right or left-hand side of the boiler, thus ensuring that overall dimensions retain their compactness.

The casing is made of powder-painted sheet metal. To ensure that the boiler/heater unit remains compact and retains its carefully designed lines the control panel is inserted as an integral part of the casing.



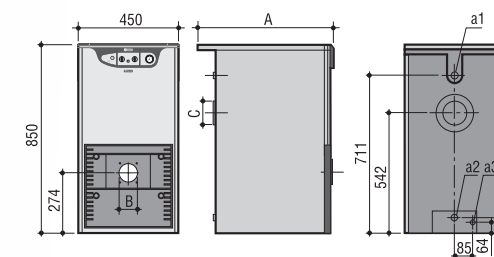
The control panel

- 1 Manual-reset safety thermostat
- 2 Function selector
- 3 ON indicator light
- 4 Boiler adjustment
- 5 Thermometer

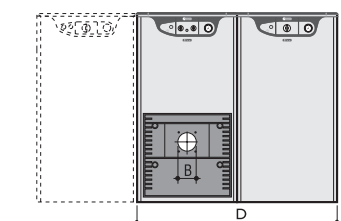


Dimensions

EXA boiler



EXA boiler with PAC S heater



D. PAC 80 S = 900
D. PAC 120 S = 1050

Model	A mm.	B ø mm.	C Flue ø mm.
EXA 20	420	105	130
EXA 27	420	105	130
EXA 32	420	105	130
EXA 40	620	105	130
EXA 50	620	105	180
EXA 60	820	125	180
EXA 70	820	125	180
EXA 80	920	125	180



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