ATTACK SLX wood boiler

Technical data

Parameter	Unit	SLX20	SLX25	SLX30	SLX35	SLX40	SLX45	SLX50	SLX55
Nominal boiler output	kW	20	25	30	35	40	45	50	55
Output range	kW	10 – 20	12.5 – 25	15 – 30	17.5 – 35	20 – 40	22.5 – 45	25 – 50	27.5 – 55
Heat exchanger surface area	m^2	2.95	2.95	2.95	2.95	3.32	3.32	3.32	3.32
Loading chamber volume without dry jackets	dm^3	200	200	200	200	230	230	230	230
Rozmer plniaceho otvoru	mm	235 × 445	235 × 445	235 × 445	235 × 445	235 × 445	235 × 445	235 × 445	235 × 445
Required chimney draught	Pa	23	23	23	23	23	23	23	23
Required chimney draught	mbar	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Maximum water operating pressure	kPa	250	250	250	250	250	250	250	250

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Water-side pressure drop (ΔT 10 K)	kPa	1.9	2.1	2.4	2.7	3.9	4.5	5.2	6.1
Water-side pressure drop (ΔT 20 K)	kPa	0.8	0.9	1.2	1.6	1.9	2.1	2.4	3.2
Boiler weight	kg	570	570	570	570	650	650	650	650
Flue outlet diameter	mm	150	150	150	150	150	150	150	150
Boiler height	mm	1472	1472	1472	1472	1472	1472	1472	1472
Boiler width	mm	703	703	703	703	703	703	703	703
Boiler depth	mm	1337	1337	1337	1337	1506	1506	1506	1506
Loading chamber depth	mm	650	650	650	650	750	750	750	750
Flow connection diameter — E	″	G 6/4	G 6/4	G 6/4	G 6/4	G 2	G 2	G 2	G 2
Return connection diameter — F	″	G 6/4	G 6/4	G 6/4	G 6/4	G 2	G 2	G 2	G 2
Ingress protection rating	IP	21	21	21	21	21	21	21	21

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Electrical input at nominal output	W	42	42	42	42	78	78	78	78
Electrical input at minimum output	W	31	31	31	31	52	52	52	52
Standby electrical input	W	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15
Boiler efficiency	%	91.8	91.6	90.3	90.3	90.4	90.4	90.3	90.3
Boiler class	—	5	5	5	5	5	5	5	5
Flue-gas temperature at nominal output	°C	165	170	175	180	165	170	170	180
Flue-gas temperature at minimum output	°C	130	135	140	145	135	140	140	145
Flue-gas mass flow at nominal output	kg/s	0.018	0.02	0.021	0.023	0.027	0.029	0.031	0.033
Flue-gas mass flow at minimum output	kg/s	0.008	0.011	0.014	0.016	0.017	0.021	0.022	0.023
Maximum noise level	dB	65	65	65	65	65	65	65	65

Parameter	Unit	SLX20	SLX25	SLX30	SLX35	SLX40	SLX45	SLX50	SLX55
Fuel class and type	—	Class A logs with 12–20% moisture and a diameter of 50–150 mm	Class A logs with 12–20% moisture and a diameter of 50–150 mm	Class A logs with 12–20% moisture and a diameter of 50–150 mm	Class A logs with 12–20% moisture and a diameter of 50–150 mm	Class A logs with 12–20% moisture and a diameter of 50–150 mm	Class A logs with 12–20% moisture and a diameter of 50–150 mm	Class A logs with 12–20% moisture and a diameter of 50–150 mm	Class A logs with 12–20% moisture and a diameter of 50–150 mm
Average wood consumption	kg/h	5.2	6.5	7.8	9.1	10.4	11.7	13	14.3
Estimated wood consumption per season	—	1 kW = 1 m³	1 kW = 1 m³	1 kW = 1 m³	1 kW = 1 m³	1 kW = 1 m³	1 kW = 1 m³	1 kW = 1 m³	1 kW = 1 m³
Maximum log length	mm	650	650	650	650	750	750	750	750
Burn time at nominal output	h	8	7.2	6.5	5.8	6	5.1	4.6	4
Objem vody v kotle	l	117	117	117	117	136	136	136	136
Supply voltage	V/Hz	~230/50	~230/50	~230/50	~230/50	~230/50	~230/50	~230/50	~230/50
Rozsah nastavenia teploty vykurovacej vody	°C	65 ÷ 85	65 ÷ 85	65 ÷ 85	65 ÷ 85	65 ÷ 85	65 ÷ 85	65 ÷ 85	65 ÷ 85
PROFI controller contact rating	—	2 A/ ~230 V	2 A/ ~230 V	2 A/ ~230 V	2 A/ ~230 V	2 A/ ~230 V	2 A/ ~230 V	2 A/ ~230 V	2 A/ ~230 V

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Minimum buffer tank volume	l	500	600	700	800	1000	1100	1200	1300
Recommended buffer tank volume	l	1000	1400	1600	2000	2200	2500	2800	3000