ATTACK SLX COMBI PELLET combination boiler

Technical data

Parameter	Unit	20SLXCP	25SLXCP	30SLXCP	35SLXCP
Nominal output — wood	kW	20	25	30	35
Nominal output — pellets	kW	30	30	30	30
Output range — wood	kW	10–20	12.5–25	15–30	17.5–35
Output range — pellets	kW	8–30	8–30	8–30	8–30
Heat exchanger surface area	m²	2.95	2.95	2.95	2.95
Loading chamber volume	l	200	200	200	200
Rozmer plniaceho otvoru	mm	235 × 445	235 × 445	235 × 445	235 × 445
Required chimney draught	Pa	23	23	23	23
Maximum water operating pressure	kPa	250	250	250	250
Water-side pressure drop (ΔT 10 K)	kPa	1.9	2.1	2.4	2.7
Water-side pressure drop (ΔT 20 K)	kPa	0.8	0.9	1.2	1.6

Parameter	Unit	20SLXCP	25SLXCP	30SLXCP	35SLXCP
Boiler weight	kg	610	610	610	610
Flue outlet diameter	mm	150	150	150	150
Boiler height	mm	1 472	1 472	1 472	1 472
Boiler width	mm	703	703	703	703
Boiler depth with burner	mm	1 650	1 650	1 650	1 650
Boiler depth with the upper-door cover	mm	1 350	1 350	1 350	1 350
Flue outlet height — D	mm	985	985	985	985
Fan height — E	mm	751	751	751	751
Chamber depth	mm	690	690	690	690
Electrical component protection rating	IP	20	20	20	20
Electrical input — wood	W	42	42	42	42
Electrical input during pellet ignition	W	600	600	600	600
Electrical input — pellets	W	96	160	160	190

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Standby electrical input	W	<5	<5	<5	<5
Boiler efficiency — wood	%	91.8	91.6	90.3	90.3
Boiler efficiency — pellets	%	90.8	90.5	90.2	90.6
Boiler class — wood	—	5	5	5	5
Boiler class — pellets	—	5	5	5	5
Flue-gas temperature at nominal output — wood	°C	165	170	185	170
Flue-gas temperature at nominal output — pellets	°C	145	152	168	148
Flue-gas temperature at minimum output — pellets	°C	109	116	129	110
Flue-gas mass flow at nominal output	kg/s	0.018	0.02	0.022	0.025
Flue-gas mass flow at minimum output	kg/s	0.005	0.007	0.009	0.012
Maximum noise level	dB	65	65	65	65

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Specified fuel — wood	—	Dry wood, calorific value 15–17 MJ/kg, moisture content 12–20%, diameter 80–150 mm	Dry wood, calorific value 15–17 MJ/kg, moisture content 12–20%, diameter 80–150 mm	Dry wood, calorific value 15–17 MJ/kg, moisture content 12–20%, diameter 80–150 mm	Dry wood, calorific value 15–17 MJ/kg, moisture content 12–20%, diameter 80–150 mm
Specified fuel — pellets	—	Wood pellets, Ø 6 mm, 35 mm long, moisture content up to 12%; DIN 51 731–HP 5, DIN Plus or EN 14961-2–A1	Wood pellets, Ø 6 mm, 35 mm long, moisture content up to 12%; DIN 51 731–HP 5, DIN Plus or EN 14961-2–A1	Wood pellets, Ø 6 mm, 35 mm long, moisture content up to 12%; DIN 51 731–HP 5, DIN Plus or EN 14961-2–A1	Wood pellets, Ø 6 mm, 35 mm long, moisture content up to 12%; DIN 51 731–HP 5, DIN Plus or EN 14961-2–A1
Average fuel consumption — wood	kg/h	6.5	7.8	9.1	10.4
Average fuel consumption — pellets	kg/h	2.4–6.9	2.4–6.9	2.4–6.9	2.4–6.9
Wood consumption per season	—	1 kW = 1 m³	1 kW = 1 m³	1 kW = 1 m³	1 kW = 1 m³
Maximum log length	mm	650	650	650	650
Burn time at nominal output	h	8	7.2	6.5	5.8
Objem vody v kotle	l	117	117	117	117
Minimum buffer tank volume	l	1 500	2 000	2 200	2 500
Supply voltage	V/Hz	230/50	230/50	230/50	230/50
Minimum return-water temperature	°C	65	65	65	65

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Rozsah nastavenia teploty vykurovacej vody	°C	65–90	65–90	65–90	65–90
Controller contact load capacity	V/A	230/2	230/2	230/2	230/2
Heating system connection	″	G 6/4″	G 6/4″	G 6/4″	G 6/4″