ATTACK DPX PELLET pellet boiler

Technical data

Parameter	Unit	25DPXPE	30DPXPE	35DPXPE	40DPXPE	45DPXPE	50DPXPE
Nominal boiler output	kW	30	30	30	40	45	49.9
Output range	kW	8–30	8–30	8–30	15–49.9	15–49.9	15–49.9
Heat exchanger surface area	m²	2.52	2.78	2.78	3.03	3.03	3.03
Combustion chamber volume	l	125	158	158	190	190	190
Upper door opening dimensions	mm	235 × 445	235 × 445	235 × 445	235 × 445	235 × 445	235 × 445
Required chimney draught	Pa	23	23	23	23	23	23
Maximum operating water pressure	kPa	250	250	250	250	250	250
Water-side pressure drop (ΔT 10 K)	kPa	2.3	4.4	4.4	6.6	6.6	6.6

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Water-side pressure drop (ΔT 20 K)	kPa	0.7	1	1	1.8	1.8	1.8
Boiler weight	kg	480	510	510	540	540	540
Flue outlet diameter	mm	150	150	150	150	150	150
Boiler height	mm	1 237	1 237	1 237	1 237	1 237	1 237
Boiler width	mm	791	791	791	791	791	791
Boiler depth with burner	mm	1 527	1 570	1 570	1 818	1 818	1 818
Lower burner height – J	mm	682	682	682	695	695	695
Upper burner height – K	mm	968	968	968	960	960	960
Pellet feed centre-line height – L	mm	1 109	1 109	1 109	1 103	1 103	1 103

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Boiler depth with door cover, without burner	mm	1 287	1 332	1 332	1 505	1 505	1 505
Horizontal flue position – D	mm	980	980	980	980	980	980
Vertical flue position – E	mm	1 037	1 037	1 037	1 037	1 037	1 037
Fan height – F	mm	758	758	758	758	758	758
Return connection position – G	mm	292	292	292	366	366	366
Cooling loop position – H	mm	284	284	284	352	352	352
Combustion chamber depth	mm	590	690	690	790	790	790
Electrical protection rating	IP	21	21	21	21	21	21

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Electrical input during ignition	W	600	600	600	600	600	600
Electrical input during operation	W	96	160	160	190	190	190
Electrical input in standby	W	<5	<5	<5	<5	<5	<5
Boiler efficiency	%	90.8	90.5	90.2	90.6	90.5	90.2
Boiler class		5	5	5	5	5	5
Flue-gas temperature at rated output	°C	145	152	168	148	155	164
Flue-gas temperature at minimum output	°C	109	116	129	110	119	126
Flue-gas mass flow at rated output	kg/s	0.018	0.020	0.022	0.025	0.028	0.029
Flue-gas mass flow at minimum output	kg/s	0.005	0.007	0.009	0.012	0.014	0.015

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Maximum noise level	dB	65	65	65	65	65	65
Specified fuel	—	Wood pellets, Ø 6 mm, maximum length 35 mm, moisture content up to 12%; DIN 51 731–HP 5, DINplus, EN 14961-2–A1	Wood pellets, Ø 6 mm, maximum length 35 mm, moisture content up to 12%; DIN 51 731–HP 5, DINplus, EN 14961-2–A1	Wood pellets, Ø 6 mm, maximum length 35 mm, moisture content up to 12%; DIN 51 731–HP 5, DINplus, EN 14961-2–A1	Wood pellets, Ø 6 mm, maximum length 35 mm, moisture content up to 12%; DIN 51 731–HP 5, DINplus, EN 14961-2–A1	Wood pellets, Ø 6 mm, maximum length 35 mm, moisture content up to 12%; DIN 51 731–HP 5, DINplus, EN 14961-2–A1	Wood pellets, Ø 6 mm, maximum length 35 mm, moisture content up to 12%; DIN 51 731–HP 5, DINplus, EN 14961-2–A1
Minimum /maximum fuel consumption	kg/h	2.4 / 6.9	2.4 / 6.9	2.4 / 6.9	3.4 / 12.5	3.4 / 12.5	3.4 / 12.5
Boiler water volume	l	100	110	110	128	128	128
Recommended buffer tank volume	l	300	300	300	300	300	300
Supply voltage	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50
Minimum return water temperature	°C	65	65	65	65	65	65
Heating water temperature setting range	°C	65–90	65–90	65–90	65–90	65–90	65–90

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Controller contact rating	V/A	230/2	230/2	230/2	230/2	230/2	230/2
Heating-system connection – A, B		G 6/4″	G 6/4″	G 6/4″	G 2″	G 2″	G 2″