ATTACK DPX COMBI PELLET wood and pellet boiler

Technical data

Parameter	Unit	DPX 25 CP	DPX 30 CP	DPX 35 CP	DPX 40 CP	DPX 45 CP	DPX 50 CP
Nominal output — wood	kW	25	30	35	40	45	50
Nominal output — pellets	kW	30	30	30	40	45	49.9
Output range — wood	kW	12–25	15–30	17–35	20–40	22–45	22–45
Output range — pellets	kW	8–30	8–30	8–30	15–45	15–45	15–49.9
Heat exchanger surface area	m²	2.52	2.78	2.78	3.03	3.03	3.03
Loading chamber volume	dm³	125	158	158	190	190	190
Loading 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 water operating pressure	kPa	250	250	250	250	250	250

Parameter	Unit	DPX 25 CP	DPX 30 CP	DPX 35 CP	DPX 40 CP	DPX 45 CP	DPX 50 CP
Water-side pressure drop (ΔT 10 K)	kPa	2.3	4.4	4.4	6.6	6.6	6.6
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 — A	mm	1 240	1 240	1 240	1 240	1 240	1 240
Boiler width — B	mm	760	760	760	760	760	760
Boiler depth — C	mm	1 250	1 350	1 350	1 425	1 425	1 425
Boiler depth — C with burner	mm	1 510	1 610	1 610	1 765	1 765	1 765
Chamber depth — D	mm	590	690	690	790	790	790
Ingress protection rating	IP	21	21	21	21	21	21
Electrical input — wood	W	38	102	102	102	102	102

Parameter	Unit	DPX 25 CP	DPX 30 CP	DPX 35 CP	DPX 40 CP	DPX 45 CP	DPX 50 CP
Electrical input — pellets	W	96	160	160	190	190	190
Boiler efficiency — wood	%	90.4	90.1	90.1	90.2	90.2	90.2
Boiler efficiency — pellets	%	90.8	90.5	90.2	90.6	90.5	90.2
Boiler class according to CO emissions (EN 303-5)	—	5	5	5	5	5	5
Flue-gas temperature at nominal output — wood	°C	165	170	185	170	180	185
Flue-gas temperature at nominal output — pellets	°C	145	152	168	148	155	164
Flue-gas mass flow at nominal output — wood	kg/s	0.018	0.02	0.022	0.025	0.028	0.029

Parameter	Unit	DPX 25 CP	DPX 30 CP	DPX 35 CP	DPX 40 CP	DPX 45 CP	DPX 50 CP
Flue-gas mass flow at nominal output — pellets	kg/s	0.005	0.007	0.009	0.012	0.014	0.015
Maximum noise level	dB	65	65	65	65	65	65
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	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	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	11.75	11.75
Average fuel consumption — pellets	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
Estimated seasonal consumption	—	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	550	650	650	750	750	750
Burn time at nominal output	h	4	4	4	4	4	4

Parameter	Unit	DPX 25 CP	DPX 30 CP	DPX 35 CP	DPX 40 CP	DPX 45 CP	DPX 50 CP
Water capacity of the boiler	l	100	110	110	128	128	128
Recommended buffer tank volume	l	625	750	900	1 000	1 200	1 200
Supply voltage	V / Hz	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50
Heating water temperature setting range	°C	65–90	65–90	65–90	65–90	65–90	65–90