ATTACK DPX wood boiler

Technical data

Parameter	Unit	DPX25	DPX30	DPX35	DPX40	DPX45	DPX80	DPX100
Rated output (STANDARD version)	kW	25	30	35	40	45	80	100
Output range (PROFI version)	kW	12,5–25	15–30	17,5–35	20–40	22,5–45	32–80	40–100
Heat exchange surface	m²	2,52	2,78	2,78	3,03	3,03	5,6	5,6
Loading chamber volume	dm³	125	158	158	190	190	440	440
Loading door dimensions	mm	235 × 445	235 × 445	235 × 445	235 × 445	235 × 445	292 × 542	292 × 542
Required chimney draught	Pa	23	23	23	23	23	35	35
Max. operating water pressure	kPa	250						
Water-side pressure loss (ΔT 10 K)	kPa	2,3	4,4	4,4	6,6	6,6	2,1	2,1
Water-side pressure loss (ΔT 20 K)	kPa	0,7	1	1	1,8	1,8	0,55	0,55
Boiler weight	kg	430	460	460	490	490	800	800
Flue outlet diameter	mm	150	150	150	150	150	200	200
Boiler height “A”	mm	1 240	1 240	1 240	1 240	1 240	1 600	1 600
Boiler width “B”	mm	720	720	720	720	720	917	917
Boiler depth “C”	mm	1 191	1 233	1 233	1 400	1 400	2 008	2 008
Loading chamber length “D”	mm	590	690	690	790	790	1 100	1 100
External thread diameter, flow “E”	—	G 6/4″	G 6/4″	G 6/4″	G 6/4″	G 6/4″	G 2″	G 2″
External thread diameter, return “F”	—	G 6/4″	G 6/4″	G 6/4″	G 6/4″	G 6/4″	G 2″	G 2″
Cooling loop position “G”	mm	507 / 449	449	449	517	517 / 719	719	719
Outlet position “H”	mm	515 / 458	458	458	531	531 / 735	735	735

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Ingress protection rating	IP	21						
Electrical input	W	38	48	54	54	78	90	90
Boiler efficiency	%	90,4	90,1	90,1	90,2	90,2	86,5	87
Boiler CO emission class (EN 303-5)	—	5						
Flue gas temperature at rated output	°C	170	180	180	190	190	204	205
Flue gas mass flow at rated output	kg/s	0,019	0,021	0,021	0,027	0,027	0,045	0,05
Maximum noise level	dB	65						
Fuel type	—	Firewood, relative moisture 12–20%, diameter 80–150 mm						
Average fuel consumption	kg/h	6,5	7,8	9,1	10,4	11,75	21,5	26,8
Indicative seasonal consumption	—	1 kW = 0,9 m³						
Maximum log length	mm	550	650	650	750	750	1 000	1 000
Burn time at rated output	h	3						
Boiler water volume	l	100	110	110	128	128	250	250
Minimum buffer tank volume	l	600	700	800	1 000	1 100	2 000	2 800
Recommended buffer tank volume	l	1 400	1 600	2 000	2 200	2 500	4 000	5 000
Supply voltage	V/Hz	~230/50						
Heating-water temperature setting range	°C	65–90						
Room temperature setting range (PROFI version)	°C	10–27						
Boiler controller contact rating (PROFI version)	—	2 A/230 V						