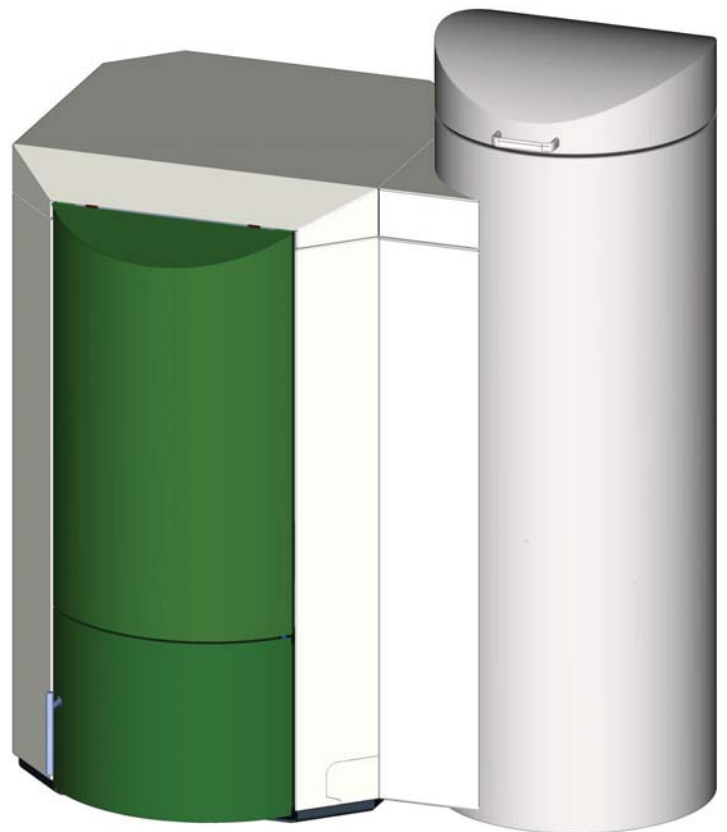


Technical data

**PELLEMATIC®
PE(K) 10 - 32 B**

ENGLISH



Technical data Pellematic with hopper for hand filling

Boiler - Type		PE B 10	PE B 12	PE B 15	PE B 20	PE B 25	PE B 32
Boiler-rated power	kW	10	12	15	20	25	32
Boiler-partial load	kW	3,0	3,4	5	6	8	10
Energy efficiency class		A++					
Energy efficiency index (EEI)		117,- 77	118	118,- 47	119,- 41	120,- 46	121,- 73
Seasonal space heating energy efficiency η_s		79,3	79,- 57	80,1- 3	80,- 89	81,72	82,- 64
Boiler efficiency rated power	%	92 - 93					
Boiler efficiency partial power	%	91- 93					
Tank volume	kg	130					
Water area							
Water capacity	l	64	64	64	64	104	104
Water supply/return - dimensions	inch	1	1	1	1	5/4	5/4
Water supply/return - dimensions	DN	25	25	25	25	32	32
Water resistance at 10K	mBar	54,7	95,2	150	220	284	376
Water resistance at 20K	mBar	14,0	24,2	38	55	72	95
Boiler temperature	°C	65-90					
Boiler input temperature minimum	°C	55					
Operating pressure maximum	Bar	3,5					
Test pressure	Bar	4,6					
Flue gas area (Flue gas = F.g.)							
Fire vault temperature	°C	800-1100					
Need of draught rated power	mBar	0,08					
Need of draught partial load	mBar	0,03					
Flue gas temperature rated power	°C	160					
Flue gas temperature partial load	°C	100					
F.g. volume rated power at f.g.tem.	kg/h	18,9	24,2	30,4	40,6	51,1	65,8
F.g. volume partial load at f.g. tem.	kg/h	5,5	7,4	10,3	12,2	16,4	20,4
F.g. volume rated power at AGT	m³/h	21,9	28,6	37,6	50,2	63,2	81,4
F.g. volume partial load at AGT	m³/h	5,8	6,9	10,9	13	17,4	21,8
Flue gas tube diameter	mm	130	130	130	130	150	150
Chimney diameter	as per chimney calculation						
Chimney construction	Steel or ceramic lined, damp resistant						
Fuel	Pellets made of 100% natural wood according to EN 14961-2, class A1						
Colorific value		≥ 4,6 kWh/kg or ≥ 16,5 MJ/kg					

Boiler - Type		PE B 10	PE B 12	PE B 15	PE B 20	PE B 25	PE B 32
Bulk density	kg/m³	min. 600					
Water content	%	max. 10					
Ash parts	%	max. 0,7					
Length	mm	max. 40					
Diameter	mm	6 ±1					
Weight							
Overall Weight packing included	kg	405				490	
Overall Weight	kg	370				450	
Boiler Body Weight	kg	230				300	
Internal ash pan volume	l	25				30	
External ash box volume	kg	25					
Electrical Components							
Connection value		230 VAC, 50Hz, 16A					
Main Drive	W	40					
Drive Motor	W	250/370					
Suction Turbine	W	1400					
Combustion Air Blower	W	62					
Flue gas fan	W	25					
Electrical Ignition	W	250					
Cleaning Motor	W	40					
Motor External Ash Box	W	40					
Motor burner plate cleaning system	W	-	-	-	-	-	-
Flame Return Gate	W	5					



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