

SENKO pellet stoves - Technical data

 		PELLETS STOVE FOR SPACE HEATING		PELLETS STOVE FOR CENTRAL HEATING		
		P 7 AIR	P 10 AIR	P 12 WATER+AIR	P 12 SLIM WATER+AIR	P 20 WATER+AIR
Nominal power (P _{nom}), kW		7	10	13	13	19
- Boiler, kW		-	-	11,5	11,1	16,7
- Room, kW		7,2	10,2	1,5	1,9	2,6
Minimal power (P _{min}), kW		3,1	4,4	6,9	7	8,8
- Boiler, kW		-	-	5,2	5,3	6,9
- Room, kW		3,1	4,4	1,7	1,7	1,9
Amount of water in boiler, L		-	-	30,5	28	35
Operating pressure (max), bar		-	-	2,5	2,5	2,5
Operating temperature, °C		-	-	80	80	80
Width, mm		520	520	600	950	660
Depth, mm		580	580	680	400	680
Height, mm		1060	1115	1135	1155	1260
Weight, kg		120	125	213	186	257
Firebox opening (W × H), mm		255 × 395	255 × 395	295 × 460	310 × 460	355 × 455
Firebox (W × D), mm		255 × 150	255 × 150	265 × 205	210 × 180	315 × 205
Firebox volume, dm ³		17,977	20,081	30,965	21,357	43,588
Fuel consumption at P _{nom} *, kg/h		1,6	2,3	2,8	2,8	4,2
Fuel consumption at P _{min} *, kg/h		0,7	0,99	1,5	1,5	1,9
Tank capacity, kg		26,5	28	34	24	54
Primary air intake, mm		Ø 50	Ø 50	Ø 50	Ø 50	Ø 50
Flue gases exhaust, mm		Ø 80	Ø 80	Ø 80	Ø 80	Ø 80
Mean flue gas temperature at P _{nom} , °C		144	133	77	92	93
Mean flue gas temperature at P _{min} , °C		98	98	63	64	64
Necessary chimney draught, Pa		12	12	12	12	12
Emission of CO (by 13 % O ₂) at P _{nom} , %		0,013	0,016	0,0069	0,007	0,0027
Emission of CO (by 13 % O ₂) at P _{min} , %		0,011	0,012	0,0146	0,014	0,0061
Emission of dust (by 13 % O ₂) at P _{nom} /P _{min} , mg/Nm ³		10 / 11	13 / 14	12 / 14	9 / 14	11 / 13
Emission of OGC (by 13 % O ₂) at P _{nom} /P _{min} , mg/Nm ³		8 / 3	5 / 3	3 / 4	1 / 2	7 / 2
Emission of NO _x (by 13 % O ₂) at P _{nom} /P _{min} , mg/Nm ³		119 / 103	110 / 105	124 / 112	128 / 129	129 / 125
Emission of CO ₂ at P _{nom} , %		10,1	8,3	7,4	8,5	9,1
Emission of CO ₂ at P _{min} , %		6,6	6,2	4,9	7,2	7,3
Flue gas mass flow at P _{nom} , g/s		5,2	8,9	12,2	10,7	14,7
Flue gas mass flow at P _{min} , g/s		3,6	5,3	10	6,8	8,4
Efficiency at P _{nom} , %		91,27	90,85	94,95	94,17	94,53
Efficiency at P _{min} , %		92,03	91,57	94,64	96,13	96,21
Autonomy (operating time between re-fuelling) at P _{nom} *, h		16,5	12,2	12,5	8,6	12,9
Autonomy (operating time between re-fuelling) at P _{min} *, h		37,8	28,3	23,3	16	28,4
Electric energy consumption during activation, W		340	350	340	340	340
Average electric energy consumption**, W/h		70	75	130	130	160
Supply voltage and frequency		230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
regulation	primary air	automatic	automatic	automatic	automatic	automatic
	secondary air	automatic	automatic	automatic	automatic	automatic
Certified according to standard		EN 14785:2006				
Fulfilled the requirements of the following standards		15a B-VG (Austria)				
		I.BImSchV Stufe 2 (Germany)				
		VKF AEA I (Switzerland)				
		DIN plus (Germany)				
NOTE: The technical data are related to the use of wood pellets with quality ENplus-A1, net calorific value 4,9 kWh/kg *changeable data, may vary depending on the type of pellets used **changeable data, may vary depending on the stove operating conditions						
<i>For a perfect warm home!</i>						