

## The characteristics of operation of Robust stoves

stove type characteristics	A / Az							B			BP			C			CP			D				S				U / Uz								
	A-51	A-101	A-151	A-201	A-251	A-351	A-501	B-45	B-75	B-105	BP-45	BP-75	BP-150	C-45	C-75	C-105	CP-45	CP-80	CP-150	D-25	D-35	D-45	D-60	S-250	S-500	S-750	S-1000	U-50	U-100	U-150	U-200	U-300	U-350	U-500	U-1000	
Power [kW]	50	100	150	200	250	350	500	45	75	105	45	75	150	45	75	105	38-60	75-90	100-150	25	35	45	60	250	500	750	1000	50	100	150	200	300	350	500	1000	
Device efficiency expressed in m <sup>3</sup>	1000	2000	3000	4000	5000	7000	10000	900	1500	2000	900	1500	3000	900	1500	2000	800	1400	3000	500	700	1000	1200	5000	10000	15000	20000	1500	3000	4500	6000	8500	10000	15000	30000	
Air intake - stove (1)	+							+			+			+			-				-				+											
Air intake - wall (2)	+							+			+			+			-				-				+											
Fire place turbine	+							+			+			+			-				+				+											
Gravitation type of fire place drawing duct	-							-			-			-			+				-				-											
Main ventilating unit (3)	*							*			*			*			*				*				*											
Initial air ventilating unit – fireplace	-							+			-			+			-				+				-				-							
Number of air exhausts – pipe diameters (in mm)	2 280	2 300	2 350	2 350	2 400	2 500	2 600	1 300	1 400	1 450	1 300	1 400	1 500	2 250	2 300	2 350	2 250	2 300	2 400	4 160	4 180	3 220	3 250	2 500				250	250	300 500	300 600	350 700	350 750	350 750	520 800	
Pipe exchange section	Pz							Pn			Pn			Pn			Pn			Pz				Pn				Pn								
Fuel tank capacity m <sup>3</sup> (4)	2.65 5.30	2.65 5.30	2.65 5.30	2.65 5.30	2.65 5.30	2.65 5.30	2.65 5.30	-			1.50 3.00	1.50 3.00	1.50 3.00	-			200kg	250kg	500kg	-				2.65 5.30	2.65 5.30	2.65 5.30	2.65 5.30	2.65 5.30	2.65 5.30	2.65 5.30	2.65 5.30	2.65 5.30	2.65 5.30	2.65 5.30	2.65 5.30	2.65 5.30
Basic version – manual loading	A, Az							+			-			+			-			+				+				U, Uz								
Version equipped with mechanical fuel feed function	Az							-			+			-			+				-				+				Uz							
Type of solid fuel	DK, B, P, T, Z, TF							DK, B, P, T, Z, TF			P, T, Z, L, ZZ, EG, MW			DK, B, P, T, Z, TF			P, ZZ, EG, MW			DK, B, P, T, Z, TF				DK, B, P, T, Z, TF				S, DK, B, P, T, Z, TF, L, ZZ								
The height of room for the stove (m)	2.60	2.80	3.00	3.30	3.50	3.70	3.90	2.10	2.50	2.70	2.20	2.60	3.20	2.60	3.00	3.30	2.60	3.10	3.40	2.00	2.10	2.20	2.60	4.0				2.20	2.30	2.40	2.60	2.60	2.60	2.60	3.00	
The method of fuel combustion within the fireplace/ combustion chamber	lower fuel combustion							upper fuel combustion			upper fuel combustion			upper fuel combustion			upper fuel combustion			upper fuel combustion				lower fuel combustion				lower fuel combustion								

Pz – horizontal  
Pn – vertical  
B – briquette  
DK – chopped wood  
EG – eco grain coal (bituminous, lignite)  
L – shells  
MW – coal dust

P – pellet  
S – straw  
T – sawdust  
TF – pear (briquette)  
Z – small cut wood pieces  
ZZ – grain seed

\* what has been applied are ventilating units creating the pressure of 600-1000Pa, the fact that allows for the installation of air for the transport of air onto large distances – up to 80m depending on the type of stove.  
1 – stove located within the manufacturing hall  
2 – stove located within the boiler room  
3 – heat exchanger cooling down ventilating unit, which transports hot air to the air transport installation (ITP)  
4 – basic/extended version