

	15 kW E-Filter	10 kW	15 kW	25 kW	35 kW
Description	Balance/K Typ HP 02	Balance/K Typ HP 01	Balance/K Typ HP 02	HP 03/K Flash	HP 04/K Flash
Test standard	EN 303 - 5: 2012	EN 303 - 5: 2012	EN 303 - 5: 2012	EN 303 - 5: 2012	EN 303 - 5: 2012
Boiler class	5	5	5	5	5
Nominal heat input [kW]	4,0 - 14,1	4,0 - 9,8	4,0 - 14,1	7,6 - 25	7,6 - 35
Degree of efficiency full load [%]	91,4	92,8	92,8	95,4	95,4
Degree of efficiency part load [%]	96,5	92,2	92,2	93,9	93,9
Performance distribution Room / Boiler [%]	0 / 100	0 / 100	0 / 100	0 / 100	0 / 100
Adjustable boiler temperature [°C]	8	8	8	8	8
Minimal return flow temperature [°C]	55 - 83	55 - 83	55 - 83	55 - 83	55 - 83
Permitted operating pressure [bar]	25	25	25	25	25
CE Identification	3	3	3	3	3
Fuel type	CE	CE	CE	CE	CE
Brennstoffart	EN-17225-2 A1	EN-17225-2 A1	EN-17225-2 A1	EN-17225-2 A1	EN-17225-2 A1
*Betrieb mit Sichtscheibe					
Dimensions					
Overall width [mm]	540	540	540	580 + 310 (A-Box)	580 + 310 (A-Box)
Overall depth [mm]	600	600	600	750	750
Overall height[mm]	1140	1140	1140	1830	1830
Flue tube connection height [mm]	940	940	940	1380	1380
Diameter flue tube connection [mm]	80	80	80	130	130
Height pre- flow [mm]	185	185	185	1270	1270
Height return flow [mm]	185	185	185	1270	1270
Total weight [kg]	158	158	158	330	330
Water content [L]	32	32	32	75	75
Water-side resistance [mbar]	20	20	20	38	38
Storage tank [L]	45	45	45	90	90
Connections					
Pre-flow [inch]	3/4	3/4	3/4	5/4	5/4
Return flow [inch]	3/4	3/4	3/4	5/4	5/4
Air vent for the boiler [inch]	1/2	1/2	1/2	3/4	3/4
Inspection data					
$\Delta T = 20 \text{ K}$ [mbar]	5,0	5,0	5,0	5,0	5,0
Emission temperature at full load [°C]	95	90	90	140	140
Emission temperature at part load [°C]	55	60	60	80	80
Flue gas output rate at full load [g/s]	7,0	7,1	7,1	21	21
Flue gas output rate at part flow [g/s]	2,9	3,1	3,1	7,2	7,2
CO ₂ at full load [mg/Nm ³]	47	37	37	54	54
CO ₂ at part load [mg/Nm ³]	111	80	80	138	138
Min. supply pressure [mbar / Pa]	1	1	1	1	1
Max. supply pressure [mbar / Pa]	25	25	25	25	25
Dust at full load [mg/Nm ³ at 13% O ₂]	1,3	12,8	12,8	12	12
Dust at part load [mg/Nm ³ bei 13% O ₂]	2,3	5,8	5,8	16	16
Electrical power consumption					
Electrical connection	230 V $\geq 13 \text{ A}$	230 V $\geq 13 \text{ A}$	230 V $\geq 13 \text{ A}$	230 V $\geq 13 \text{ A}$	230 V $\geq 13 \text{ A}$
Standby [W]	7	7	7	7	7
Suction turbine during the pellets filling process [W]	1.400	1.400	1.400	1.400	1.400
Ignition [W]	257	257	257	257	257
At 100 % Burner capacity [W]	38	38	38	47	47