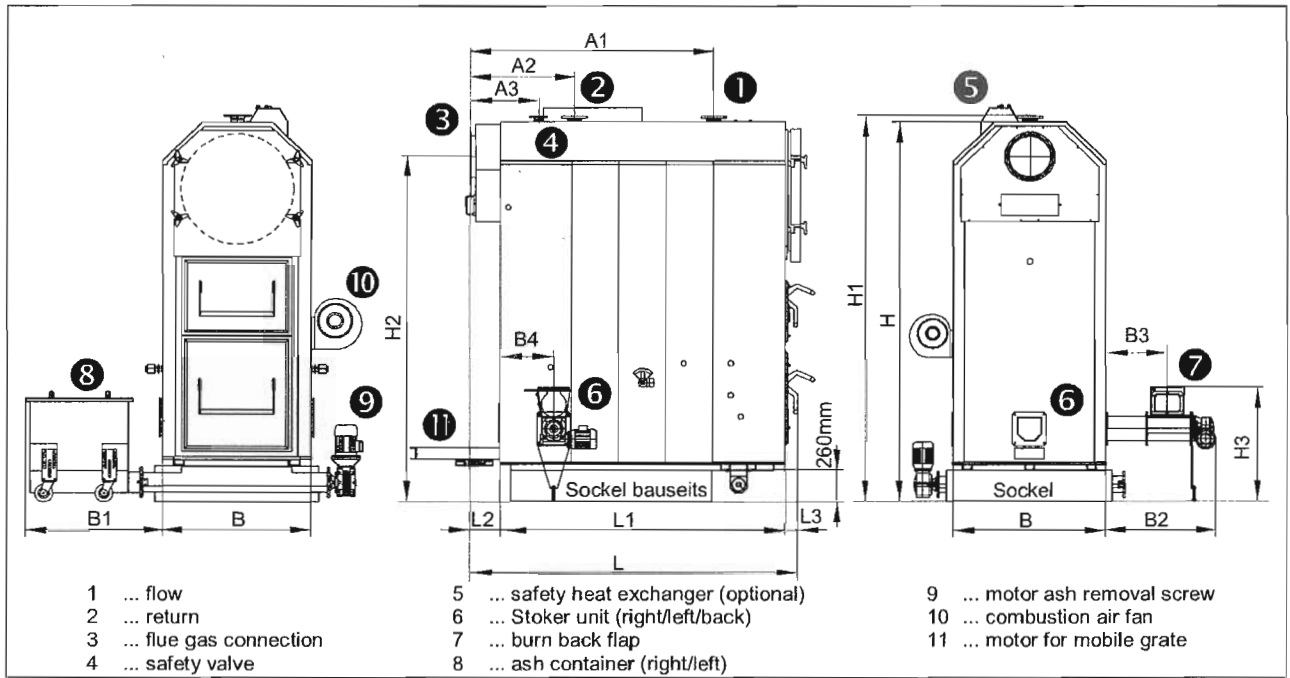


# Specifications FRÖLING Lambdamat KOM



<b>Chipped wood boiler Lambdamat Kom/S</b>		<b>320</b>	<b>500</b>	<b>750</b>	<b>1000</b>
Rated heat output	kW	200-300	300-500	500-750	750-1000
Permitted operating pressure	bar	4	4	4	4
Max. permitted operating temperature	°C	110	110	110	110
Volume of water inside boiler)	Liter	790	1100	1840	2390
Total weight	kg	5780	7350	11440	11600
Combustion unit / fire clay	kg	2000 / 2500	2700 / 2600	3620 / 4320	3900 / 3400
Heat exchanger unit	kg	1280	2010	3500	4300
Upstream resistance ( $\Delta T=20K$ )	mbar	18	15	15	27
Flow volume ( $\Delta T=20K$ )	m <sup>3</sup> /h	13,78	21,53	32,30	43,06
Heating surface	m <sup>2</sup>	24,2	46,2	70,5	99,5
<b>Data for chimney layout:</b>					
Flue gas temperature*	°C	220	220	220	220
Required fuel amount @ G50 W20	kg/h	100	155	230	305
Mass flow G50 W20; Lambda=2	m <sup>3</sup> /h / kg/h	1409 / 1003	2201 / 1567	3302 / 2351	4402 / 3134
Required suction at chimney base	Pa	2	2	2	2
Flue gas pipe diameter	mm	300	350	400	450
<b>Dimensions</b>					
L Length	mm	2715	2710	3070	3740
B Width	mm	1070	1270	1630	1630
H Height <sup>1)</sup>	mm	2745	3174	3597	3849
H1 Height flow / return <sup>1)</sup>	mm	2802	3224	3656	3910
H2 Height flue gas pipe <sup>1)</sup>	mm	2463	2880	3250	3560
H3 Height stoker unit (incl. burn back flap) <sup>1)</sup>	mm	950	950	1270	1040
Flow / Return connection	DN/PN6	100	100	100	125
Connection safety valve	DN/PN6	50	50	65	65
L1 Length boiler	mm	2350	2350	2710	3380
L2 Depth flue gas box	mm	257	252	252	252
L3 Depth of front door	mm	110	110	110	110
A1 distance flow	mm	1916	2012	2320	2849
A2 distance return	mm	766	862	907	930
A3 distance safety valve	mm	460	562	537	560
B1 depth ash container 180 l / 300 l	mm	973 / 1036	975 / 1038	971 / 1034	954 / 1017
Width ash container 180 l / 300 l	mm	540 / 1020	540 / 1020	540 / 1020	540 / 1020
B2 length stoker (incl. gearing)	mm	960	947	1287	1060
B3 distance center of stoker to boiler	mm	522	509	860	610
B4 depth stoker connection	mm	454	435	only at back possible	523

1)... Height including base (to be built by installer) ( H=260 mm )      measurements in mm; subject to technical change; Rev.01 28.05.2004