

Technical specification - atmoCRAFT

atmoCRAFT		VK 654	VK 754	VK 854	VK 1054	VK 1154	VK 1304	VK 1504	VK 1654
Heat output (80/60°C)	kW	42.2 - 65	48.7 - 75	55.2 - 85	68.2 - 105	74.7 - 115	84.5 - 130	97.5 - 150	107.5 165
Maximum heat input (net)	kW	70.7	81.5	92.5	114	125	141.3	163	179.3
Number of sections		8	9	10	12	13	15	17	19
Net Efficiency 100% load	%	91.23	91.33	90.91	91.21	91.14	91.28	91.41	91.51
Net Efficiency 30% load	%	91.56	91.46	91.01	91.41	90.98	90.68	90.84	90.94
Modulation range	%	65-100							
Flow Temperature (max/min)	°C	35/83							
Inlet gas working pressure required (natural gas)	mbar	20							
Inlet gas working pressure required (lpg propane)	mbar	37							
NOx Class		5							
NOx emissions	mg/kWh	<80							
CO ₂ percentage (after 5mins full load +/-1)		6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6
Flue type classification		B ₁₁							
Gas type		H ₂ H3P							
Gas rate natural gas (G20)	m ³ /hr	7.4	8.5	9.7	11.9	13.0	14.9	17.0	18.8
Gas rate lpg propane (G31)	kg/hr	5.5	6.3	7.2	8.8	9.7	11.0	12.7	14.0
Primary water flow pressure drop (ΔT = 20K)	mbar	18	25	32	44	46	52	60	68
Primary water flow pressure drop (ΔT = 10K)	mbar	76	110	130	150	180	220	250	280
Maximum operating primary pressure	bar	3							
Electrical connection	V/Hz	230/50							
Electrical power consumption	W	<60							
Dimensions									
Height	mm	1145	1145	1145	1145	1145	1145	1145	1145
Width	mm	850	930	1010	1170	1250	1410	1570	1730
Depth	mm	960	960	960	960	960	960	960	1012
Dry Weight	kg	317	343	369	421	447	499	550	601
Water content	l	28.0	31.0	34.3	40.9	44.0	51.0	57.0	65.0
Gas connection	BSP(m)	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"
Flow and return connection	BSP(m)	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Flue									
Flue outlet diameter	(mm)	180	200	200	225	225	250	250	300
Flue gas temperature (min/max)	°C	80/115	80/115	80/115	80/115	80/115	80/115	80/115	80/115
Flue gas volume (nominal)	kg/h	162	180	205	252	270	317	360	403