

Technical specification - ecoCRAFT

ecoCRAFT	VKK 806/3-E	VKK 1206/3-E	VKK 1606/3-E	VKK 2006/3-E	VKK 2406/3-E	VKK 2806/3-E	
Heat output (80/60°C)	kW	13.6 - 77.9	21.3 - 112.9	26.2 - 155.8	43.1 - 196.8	47.0 - 236.2	51.0 - 275.5
Heat output (60/40°C)	kW	14.1 - 80.4	22.1 - 116.5	27.1 - 160.8	44.2 - 201	48.2 - 241.2	52.3 - 281.4
Heat output (40/30°C)	kW	14.7 - 84.1	23.1 - 121.8	28.4 - 168.2	46.2 - 210.2	50.4 - 252.2	54.7 - 294.3
Maximum heat input (net)	kW	80	115.9	160	200	240	280
Flow Temperature (min/max°C)	°C	35/85	35/85	35/85	35/85	35/85	35/85
Net Efficiency 100% load	%	97.8	97.8	97.8	98.4	98.4	98.4
Net Efficiency 30% load	%	108.4	108.4	108.4	108.2	108.2	108.2
Part L2 seasonal efficiency	%	95.85	95.85	95.85	95.76	95.76	95.76
Condensate volume @ 40/30 (pH value: 3.4)	l/h	13	20	27	34	40	47
Gas supply pressure (natural gas) (G20)	mbar	20	20	20	20	20	20
Gas type	-	I2H	I2H	I2H	I2H	I2H	I2H
Gas rate natural gas (G20)	m ³ /hr*	8.5	12.3	16.9	21.2	25.4	26.9
Nominal water circulating volume (Δt = 20K)	m ³ /hr	3.44	4.99	6.88	8.60	10.33	12.05
Primary water flow pressure drop (Δt = 20K)	mbar	80	85	90	95	100	105
Maximum operating primary pressure	bar	6	6	6	6	6	6
Electrical connection	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50
Electrical protection rating	-	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Electrical power consumption (max)	W	260	260	320	320	320	320
Electrical power consumption (stand-by)	W	8	8	8	8	8	8
Dimensions							
Dry Weight	kg	200	220	235	275	295	310
Height	mm	1285	1285	1285	1285	1285	1285
Width	mm	695	695	695	695	695	695
Depth	mm	1240	1240	1240	1550	1550	1550
Water content	l	5.74	8.07	10.40	12.73	15.05	17.37
Gas connection Ø	BSP(m)	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Flow and return connection	BSP(m)	2"	2"	2"	2"	2"	2"
Condensate pipe Ø	mm	21	21	21	21	21	21
Flue							
Flue type classification	B ₂₃ , B _{23P} , C ₃₃ , C ₅₃ , C ₄₃ , C ₆₃ , C ₈₃						
Nox Class	5	5	5	5	5	5	
Nox emissions (EN 483)	mg/kWh	<60	<60	<60	<60	<60	<60
CO ₂ percentage (G20) (Max output)	%	9.3	9.3	9.3	9.3	9.3	9.3
CO ₂ percentage (G20) (Min output)	%	9.1	9.1	9.1	9.1	9.1	9.1
Recommended CO maximum	ppm	80	80	80	80	80	80
Flue outlet diameter	mm	150	150	150	200	200	200
Flue gas temperature min (80/60)	°C	60-65	60-65	60-65	60-65	60-65	60-65
Flue gas temperature max (80/60)	°C	65-70	65-70	65-70	65-70	65-70	65-70
Flue gas volume (nominal minimum)	g/s	6.3	10	12.2	19.9	21.7	23.5
Flue gas volume (nominal maximum)	g/s	35.4	51.2	70.7	88.4	106.1	123.8
Residual fan pressure	Pa	100	100	150	150	150	150
CE							
CE number (PIN)	CE-006BS3986						

* 15°C 1013mbar