

Strebel S-WG+ Technical Specifications

Technical Specifications																			
		S-WG+ 35/150	S-WG+ 35/230	S-WG+ 55/230	S-WG+ 80/300	S-WG+ 80/500	S-WG+ 80/750	S-WG+ 100/300	S-WG+ 100/500	S-WG+ 100/750	S-WG+ 120/300	S-WG+ 120/500	S-WG+ 120/750	S-WG+ 150/300	S-WG+ 150/500	S-WG+ 150/750	S-WG+ 150/300	S-WG+ 180/500	S-WG+ 180/750
Nominal Input (Gross)	kW	37.4	37.4	58.8	82.5	82.5	82.5	102	102	102	123	123	123	153	153	153	184	184	184
Nominal Output (Gross)	kW	34.7	34.7	53.7	77.5	77.5	77.5	96.2	96.2	96.2	116	116	116	144	144	144	175	175	175
Storage Capacity	litres	153	240	240	304	491	764	304	491	764	304	491	764	304	491	764	304	491	764
Water Heating Energy Efficiency Class		A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ErP Load Profile		XL	XL	XXL	XXL	XXL	XXL	XXL	XXL	XXL	XXL	XXL	XXL	XXXL	XXXL	XXXL	XXXL	XXXL	XXXL
Efficiency (Gross CV)	%	92.8	92.8	91.3	93.9	93.9	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.1	94.1	94.1	95.1	95.1	95.1
NOx to EN15502	mg/kWh	36	36	33	46	46	46	40	40	40	45	45	45	41	41	41	44	44	44
Working Pressure (Min/Max)	bar	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0	1.0/8.0

Water Output - Calculated at: Cold Water Mains = 10c Cylinder Storage Temperature = 70c

Continuous Output with 44°C Delta T	l/h	678	678	1050	1515	1515	1515	1880	1880	1880	2267	2267	2267	2815	2815	2815	3420	3420	3420
1st Hour Output With 44°C Delta T	l	887	1006	1377	1929	2184	2557	2295	2550	2922	2682	2937	3309	3229	3484	3856	3835	4090	4462
Continuous Output with 50°C Delta T	l/h	597	597	924	1333	1333	1333	1655	1655	1655	1995	1995	1995	2477	2477	2477	3010	3010	3010
1st Hour Output With 50°C Delta T	l	780	885	1212	1698	1922	2250	2019	2244	2571	2360	2584	2912	2842	3066	3394	3375	3599	3927
Continuous Output with 56°C Delta T	l/h	533	533	825	1190	1190	1190	1477	1477	1477	1781	1781	1781	2211	2211	2211	2688	2688	2688
1st Hour Output With 56°C Delta T	l	697	790	1082	1516	1716	2009	1803	2003	2296	2107	2308	2600	2537	2738	3030	3013	3214	3506
Heating Up Time Delta T 44°C	min	14.5	21.8	13.7	13.3	22.1	33.2	10.6	17.7	26.6	8.9	14.4	22.4	7.1	11.6	18.1	5.9	9.6	14.9
Heating Up Time Delta T 50°C	min	16.4	24.7	15.6	15.1	25.1	37.7	12.1	20.2	30.2	10.1	16.4	25.5	8.1	13.2	20.5	6.7	10.9	16.9
Heating Up Time Delta T 56°C	min	18.4	27.7	17.5	16.9	28.1	42.2	13.5	22.6	33.9	11.4	18.3	28.5	9	14.8	23	7.5	12.2	18.9

Dimensions

Water Heater Only																			
Height	mm	516	516	516	842	842	842	842	842	842	842	842	842	898	898	898	898	898	898
Width	mm	405	405	405	476	476	476	476	476	476	476	476	476	476	476	476	476	476	476
Depth	mm	310	310	310	486	486	486	486	486	486	486	486	486	677	677	677	677	677	677

Storage Cylinder Only

Height	mm	1387	1417	1417	1804	2020	1866	1804	2020	1866	1804	2020	1866	1804	2020	1866	1804	2020	1866
Diameter	mm	511	606	606	675	795	995	675	795	995	675	795	995	675	795	995	675	795	995

Water Content (Heater Only)	litres	2.3	2.3	3.4	5	5	5	6.5	6.5	6.5	8.3	8.3	8.3	10.4	10.4	10.4	12.9	12.9	12.9
Weight (Dry Heater Only)	kg	22	22	26	68	68	68	73	73	73	78	78	78	87	87	87	96	96	96
Weight (Full Heater Only)	kg	24.3	24.3	29.4	73	73	73	79.5	79.5	79.5	86.3	86.3	86.3	97.4	97.4	97.4	108.9	108.9	108.9
Standing Loss of Tank	Watt	61.3	61.3	78.8	96.3	114.2	142.1	96.3	114.2	142.1	96.3	114.2	142.1	96.3	114.2	142.1	96.3	114.2	142.1
Flow Connection	Inch	R 1 1/2	R 1 1/2	R 1 1/2	R 1 1/2	R 1 1/2	R 1 1/2	R 2"	R 2"	R 2"	R 2"	R 2"	R 2"	R 2"	R 2"	R 2"	R 2"	R 2"	R 2"
Return Connection	Inch	R 1 1/2	R 1 1/2	R 1 1/2	R 1 1/2	R 1 1/2	R 1 1/2	R 2"	R 2"	R 2"	R 2"	R 2"	R 2"	R 2"	R 2"	R 2"	R 2"	R 2"	R 2"
Gas Connection	Inch	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4	R 1"	R 1"	R 1"	R 1"	R 1"	R 1"

Flue / Air Supply Connections

Coaxial System	mm	80/125mm	80/125mm	80/125mm	80/125mm	80/125mm	80/125mm	100/150mm	100/150mm	100/150mm	100/150mm	100/150mm	100/150mm	Availability Pending Site Installation			Availability Pending Site Installation		
Twin Pipe Supply - Flue / Air Supply	mm	80-80mm	80-80mm	80-80mm	80-80mm	80-80mm	80-80mm	100-100mm	100-100mm	100-100mm	100-100mm	100-100mm	100-100mm	130-130mm	130-130mm	130-130mm	130-130mm	130-130mm	130-130mm
Power excl Pump	w	55	90	90	136	136	136	142	142	142	151	151	151	214	214	214	229	229	229
Electrical Protection	IP	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D
CO ² Flue Gas (NG)	%	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0	8.7 - 9.0
Gas Consumption (NG)	m ³ /hr	1.07-3.57	1.07-3.57	1.48-5.60	1.54-7.86	1.54-7.86	1.54-7.86	1.82-9.76	1.82-9.76	1.82-9.76	2.75-11.8	2.75-11.8	2.75-11.8	3.60 - 14.6	3.60 - 14.6	3.60 - 14.6	4.76 - 17.6	4.76 - 17.6	4.76 - 17.6
Noise Level	dB(A)	61	61	61	67	67	67	65	65	65	62	62	62	66	66	66	69	69	69