

2.4 - OPERATING DATA

GAS-FIRED		XC-K 124	XC-K 200	XC-K 290	XC-K 400	XC-K 480	XC-K 570	XC-K 700	XC-K 900
Nominal heat output (80°-60°C)	kW	112,8	182,7	265,6	367,1	440,7	523,3	642,6	826,2
Nominal heat output (50°-30°C)	kW	124	200	290	400	480	570	700	900
Nominal heat input	kW	115,9	186,9	271	373,8	448,6	532,7	654,2	841,1
Heat efficiency at nominal load (80°-60°C)	%	97,3	97,72	98,2	98,2	98,23	98,23	98,23	98,23
Heat efficiency at nominal load (50°-30°C)	%	107	107	107	107	107	107	107	107
Heat efficiency at 30% load	%	109	109	109	109	109	109	109	109
Combustion efficiency (80°-60°C)	%	98,06	98,1	98,23	98,37	98,37	98,37	98,37	98,37
Combustion efficiency (50°-30°C)	%	99	99	99	99	99	99	99	99
Heat loss at shell (80°-60°C)	%	0,76	0,38	0,23	0,17	0,14	0,14	0,14	0,14
Heat loss at shell (50°-30°C)	%	0,68	0,34	0,21	0,15	0,12	0,12	0,12	0,12
Heat loss at chimney with burner on (80°-60°C)	%	1,94	1,90	1,77	1,63	1,63	1,63	1,63	1,63
Heat loss at chimney with burner on (50°-30°C)	%	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03
Heat loss at chimney with burner off	%	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05
Flue gas temperature tf-ta (80°-60°C)	°C	44	43	40	37	37	37	37	37
Flue gas temperature tf-ta (50°-30°C)	°C	22	22	22	22	22	22	22	22
CO ₂ content	%	10,3	10,3	10,3	10,3	10,3	10,3	10,3	10,3
Flue gas mass flow rate (min.-max)	kg/h	166,9	269,1	390,2	538,3	645,9	767	941,9	1211,1
Maximum condensation production (natural gas)	l/h	19,61	31,62	45,85	63,24	75,89	90,12	110,68	142,3

GAS-FIRED		XC-K 1140	XC-K 1420	XC-K 1820	XC-K 2160
Nominal heat output (80°-60°C)	kW	1046,6	1303,6	1670,8	1983
Nominal heat output (50°-30°C)	kW	1140	1420	1820	2160
Nominal heat input	kW	1065,4	1327,1	1700,9	2018,7
Heat efficiency at nominal load (80°-60°C)	%	98,23	98,23	98,23	98,23
Heat efficiency at nominal load (50°-30°C)	%	107	107	107	107
Heat efficiency at 30% load	%	109	109	109	109
Combustion efficiency (80°-60°C)	%	98,37	98,37	98,37	98,37
Combustion efficiency (50°-30°C)	%	99	99	99	99
Heat loss at shell (80°-60°C)	%	0,14	0,14	0,14	0,14
Heat loss at shell (50°-30°C)	%	0,12	0,12	0,12	0,12
Heat loss at chimney with burner on (80°-60°C)	%	1,63	1,63	1,63	1,63
Heat loss at chimney with burner on (50°-30°C)	%	1,03	1,03	1,03	1,03
Heat loss at chimney with burner off	%	0,05	0,05	0,05	0,05
Flue gas temperature tf-ta (80°-60°C)	°C	37	37	37	37
Flue gas temperature tf-ta (50°-30°C)	°C	22	22	22	22
CO ₂ content	%	10,3	10,3	10,3	10,3
Flue gas mass flow rate (min.-max)	kg/h	1534	1910,8	2449	2906,6
Maximum condensation production (natural gas)	l/h	180,24	224,52	287,76	341,52