

STOKVIS

ENERGY SYSTEMS



ECONOMATIC
STEEL SHELL BOILERS

ECONOMATIC SERIES

Since 1985 Stokvis has been supplying high quality products to the heating industry.

The Economatic boilers are no exception. They are 3 pass reverse flame, steel shell boilers for use on gas and oil.

Each model is carefully designed to ensure the best possible performance and life expectancy are achieved.

ECONOMATIC FEATURES AND BENEFITS

- **Extensive range 70kW to 3500kW with standard product range.**
- **Precision engineered shell design and quality control.**
High thermal efficiency >91 % and low CO and NOx emissions.
- **Front tube plate flanged towards the combustion chamber.**
Prevents hot spots, reduces thermal stresses, extends life expectancy.
- **High levels of insulation both externally and internally on the boiler door.**
Increasing seasonal efficiency by reducing standing losses.
- **Two way opening boiler door with multi way adjustable hinges**
Easy access for cleaning and hermetically sealed combustion chamber
- **Internal water baffling**
Directing cold water away from areas susceptible to condensation.
- **Minimum return temperature thermostat**
To prevent system pumps operating when boiler cold, reducing the time when condensation is formed.



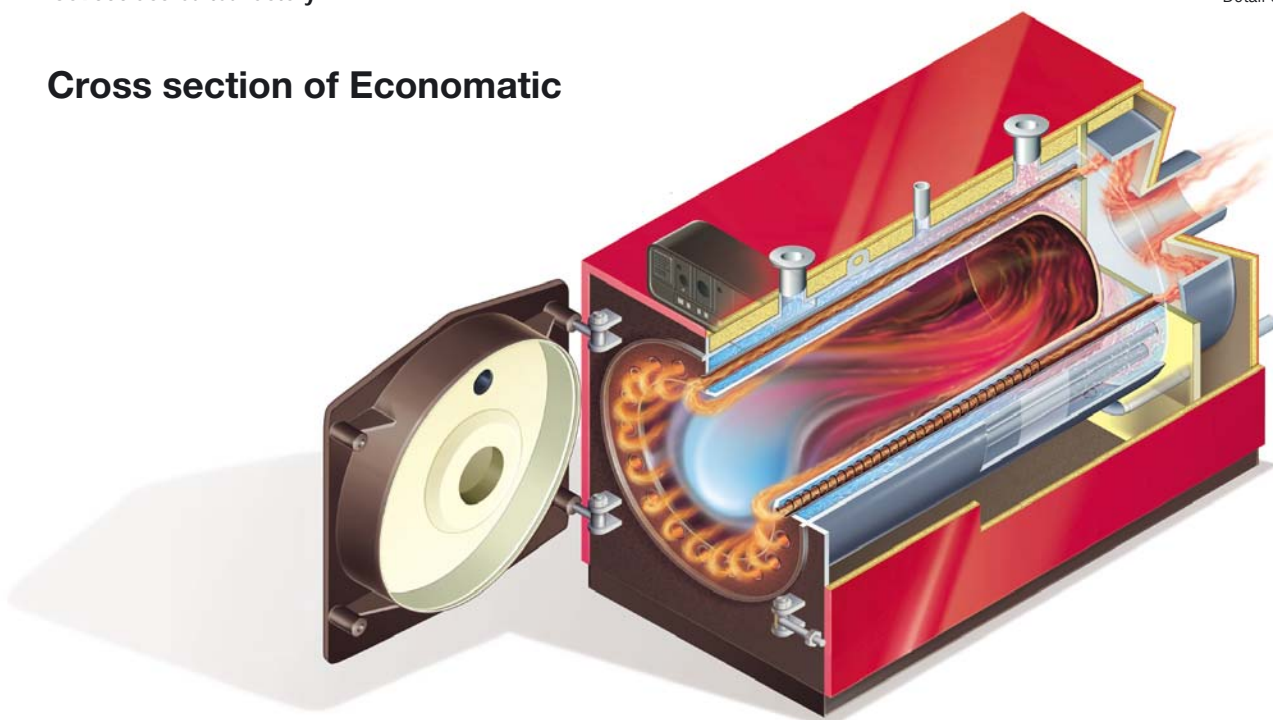
Detail of front tube plate



Detail of boiler door

The products listed in this brochure are the standard designs only, special applications and capacities can also be supplied from the ISO9000 accredited factory.

Cross section of Economatic



4 TECHNICAL SPECIFICATIONS

4.1 REX/REX K/REX F/REX K F 7-130 BOILER

Characteristics			Heat output		Heat input		Efficiency 100%	Effic. 100%	NG max flow	NG max flow	NG max flow	Max flow rate	Efficiency at 30%
		u.m.	kW	kcal/h	kW	kcal/h	(N.C.V.)	(stars)	rate G20	rate G30	rate G31	of flues	(N.C.V.)
		NOTE	Medium Temp. 70°C				Medium Temp. 70°C	(Efficiency Dir. 92/42/CEE)	Stm³/h	kg/h	kg/h	kg/h	Medium Temp. 70°C
REX 7	REX K 7	(3) *	70	60.000	76	65.360	92,11	***	8,04	5,97	5,90	119,80	91,40
REX 8	REX K 8	(3) *	80	69.000	87	74.820	91,95	***	9,21	6,83	6,76	137,23	91,50
REX 9	REX K 9	(3) *	90	77.000	98	84.280	91,84	***	10,37	7,70	7,61	154,51	91,55
REX 10	REX K 10	(3) *	100	86.000	109	93.740	91,74	***	11,53	8,56	8,47	171,80	91,66
REX 12	REX K 12	(3)	120	103.000	130	111.800	92,31	***	13,76	10,21	10,10	205,02	91,45
REX 15	REX K 15	(3)	150	129.000	163	140.180	92,02	***	17,25	12,80	12,66	257,03	91,30
REX 20	REX K 20	(3)	200	172.000	216	185.760	92,59	***	22,86	16,96	16,78	340,61	91,36
REX 25	REX K 25	(3)	250	215.000	271	233.060	92,25	***	28,68	21,28	21,05	427,33	91,70
REX 30	REX K 30	(3)	300	258.000	325	279.500	92,31	***	34,39	25,53	25,25	512,41	91,90
REX 35	REX K 35	(3)	350	301.000	379	325.940	92,35	***	40,11	29,77	29,44	597,64	91,90
REX 40	REX K 40	(3)	400	344.000	433	372.380	92,38	***	45,82	34,01	33,64	682,72	91,80
REX 50	REX K 50	(3)	500	430.000	542	466.120	92,25	-	57,35	42,57	42,11	854,52	91,90
REX 62	REX K 62	(3)	620	533.000	672	577.920	92,26	-	71,11	52,78	52,21	1059,54	91,80
REX 75	REX K 75	(3)	750	645.000	813	699.180	92,25	-	86,03	63,85	63,16	1281,85	91,80
REX 85	REX K 85	(3)	850	731.000	921	792.060	92,29	-	97,46	72,33	71,55	1452,15	91,80
REX 95	REX K 95	(3)	950	817.000	1030	885.800	92,23	-	108,99	80,89	80,02	1623,95	91,70
REX 100	REX K 100	(3)	1020	877.000	1106	951.160	92,22	-	117,04	86,86	85,92	1743,90	91,90
REX 120	REX K 120	(3)	1200	1.032.000	1301	1.118.860	92,24	-	137,67	102,18	101,07	2051,28	91,80
REX 130	REX K 130	(3)	1300	1.118.000	1409	1.211.740	92,26	-	149,10	110,66	109,46	2221,59	91,70

Characteristics		Pressure losses flue gas side	Heat losses through the chimney	Heat losses through the casing	Heat losses with burner off	Flue gas temp. at boiler output and air at 20 deg. C			CO2			Press. losses fluid side	Design Pressure	Total capacity	Total weight	Electric supply	Frequency	Insulation class	Electric power	Fuel			
		mbar	%	%	%	°C	°C	°C	%	%	%	mbar	bar	l	kg	Volt -	Hz	IP	W				
						GAS	GASOIL	HEAVY OIL	GAS	GASOIL	HEAVY OIL	(ΔT=12K)							With electr. contr. (excluded pump and burner)	Nat.gas	Lpg	Gasoil	Heavy oil
REX 7	REX K 7	0,8	7,09	0,80	0,10	188	191	191	10,5	13,5	14,0	8	5	105	216	230	50	IP40	20	X	X	X	X
REX 8	REX K 8	1,0	7,25	0,80	0,10	192	195	194	10,5	13,5	14,0	10	5	105	216	230	50	IP40	20	X	X	X	X
REX 9	REX K 9	0,8	7,36	0,80	0,10	194	197	197	10,5	13,5	14,0	13	5	123	258	230	50	IP40	20	X	X	X	X
REX 10	REX K 10	1,0	7,46	0,80	0,10	197	199	199	10,5	13,5	14,0	16	5	123	258	230	50	IP40	20	X	X	X	X
REX 12	REX K 12	1,1	6,89	0,80	0,10	184	186	186	10,5	13,5	14,0	23	5	123	258	230	50	IP40	20	X	X	X	X
REX 15	REX K 15	1,2	7,18	0,80	0,10	190	193	193	10,5	13,5	14,0	35	5	172	346	230	50	IP40	20	X	X	X	X
REX 20	REX K 20	1,9	6,61	0,80	0,10	177	180	180	10,5	13,5	14,0	63	5	172	346	230	50	IP40	20	X	X	X	X
REX 25	REX K 25	2,0	6,95	0,80	0,10	185	188	187	10,5	13,5	14,0	98	5	220	431	230	50	IP40	20	X	X	X	X
REX 30	REX K 30	2,0	6,89	0,80	0,10	184	186	186	10,5	13,5	14,0	50	5	300	475	230	50	IP40	20	X	X	X	X
REX 35	REX K 35	2,9	6,85	0,80	0,10	183	186	185	10,5	13,5	14,0	67	5	356	542	230	50	IP40	20	X	X	X	X
REX 40	REX K 40	4,1	6,82	0,80	0,10	182	185	184	10,5	13,5	14,0	38	5	360	584	230	50	IP40	20	X	X	X	X
REX 50	REX K 50	4,2	6,95	0,80	0,10	185	188	187	10,5	13,5	14,0	60	5	540	853	230	50	IP40	20	X	X	X	X
REX 62	REX K 62	6,4	6,94	0,80	0,10	185	188	187	10,5	13,5	14,0	92	5	645	963	230	50	IP40	20	X	X	X	X
REX 75	REX K 75	5,2	6,95	0,80	0,10	185	188	187	10,5	13,5	14,0	55	5	855	1205	230	50	IP40	20	X	X	X	X
REX 85	REX K 85	7,2	6,91	0,80	0,10	184	187	187	10,5	13,5	14,0	71	5	855	1205	230	50	IP40	20	X	X	X	X
REX 95	REX K 95	5,2	6,97	0,80	0,10	185	188	188	10,5	13,5	14,0	89	5	950	1417	230	50	IP40	20	X	X	X	X
REX 100	REX K 100	4,0	6,98	0,80	0,10	186	189	188	10,5	13,5	14,0	42	5	1200	1843	230	50	IP40	20	X	X	X	X
REX 120	REX K 120	5,5	6,96	0,80	0,10	185	188	188	10,5	13,5	14,0	58	5	1200	1843	230	50	IP40	20	X	X	X	X
REX 130	REX K 130	6,5	6,94	0,80	0,10	185	188	187	10,5	13,5	14,0	68	5	1200	1843	230	50	IP40	20	X	X	X	X

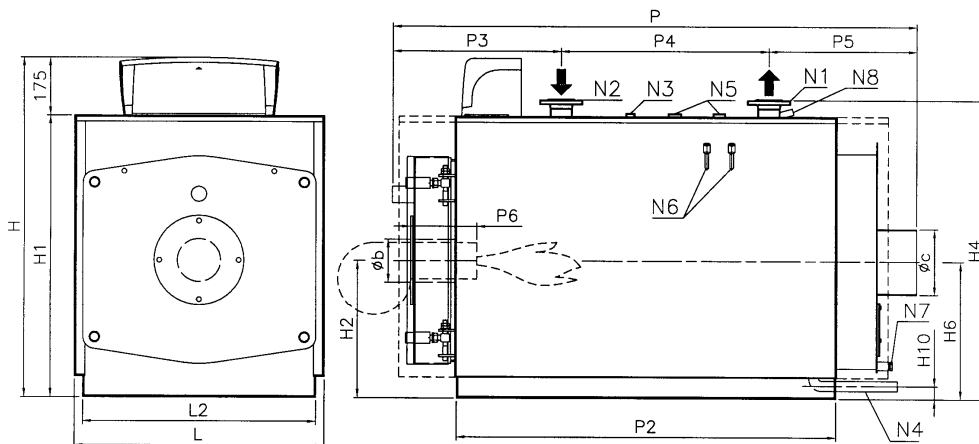
Characteristics			Heat output		Heat input		Efficiency 100%	Effic. 100%	NG max flow	NG max flow	NG max flow	Max flow rate	Efficiency at 30%
		u.m.	kW	kcal/h	kW	kcal/h	(N.C.V.)	(stars)	rate G20	rate G30	rate G31	of flues	(N.C.V.)
		NOTE	Medium Temp. 70°C				Medium Temp. 70°C	(Efficiency Dir. 92/42/CEE)	Stm³/h	kg/h	kg/h	kg/h	Medium Temp. 70°C
REX 7 F	REX K 7 F	(3) *	70	60.000	74,2	63.812	94,34	***	7,85	5,83	5,76	116,97	94,80
REX 8 F	REX K 8 F	(3) *	80	69.000	84,7	72.842	94,45	***	8,96	6,65	6,58	133,50	94,70
REX 9 F	REX K 9 F	(3) *	90	77.000	95,2	81.872	94,54	***	10,07	7,48	7,40	150,04	95,00
REX 10 F	REX K 10 F	(3) *	100	86.000	105,6	90.816	94,70	***	11,17	8,29	8,20	166,43	94,80
REX 12 F	REX K 12 F	(3)	120	103.000	126,5	108.790	94,86	***	13,39	9,94	9,83	199,51	95,10
REX 15 F	REX K 15 F	(3)	150	129.000	157,8	135.708	95,06	***	16,70	12,39	12,26	248,83	95,70
REX 20 F	REX K 20 F	(3)	200	172.000	210	180.600	95,24	***	22,22	16,49	16,31	331,08	95,30
REX 25 F	REX K 25 F	(3)	250	215.000	263,5	226.610	94,88	***	27,88	20,69	20,47	415,41	95,38
REX 30 F	REX K 30 F	(3)	300	258.000	315,5	271.330	95,09	***	33,39	24,78	24,51	497,51	95,59
REX 35 F	REX K 35 F	(3)	350	301.000	367	315.620	95,37	***	38,84	28,82	28,51	578,72	95,60
REX 40 F	REX K 40 F	(3)	400	344.000	420	361.200	95,24	***	44,44	32,99	32,63	662,16	95,40
REX 50 F	REX K 50 F	(3)	500	430.000	524	450.640	95,42	-	55,45	41,15	40,71	826,21	95,70
REX 62 F	REX K 62 F	(3)	620	533.000	649	558.140	95,53	-	68,68	50,97	50,42	1023,33	95,90
REX 75 F	REX K 75 F	(3)	750	645.000	786	675.960	95,42	-	83,17	61,73	61,06	1239,23	95,92
REX 85 F	REX K 85 F	(3)	850	731.000	891	766.260	95,40	-	94,29	69,98	69,22	1404,92	95,80
REX 95 F	REX K 95 F	(3)	950	817.000	997	857.420	95,29	-	105,50	78,30	77,45	1571,95	95,79
REX 100 F	REX K 100 F	(3)	1020	877.000	1069	919.340	95,42	-	113,12	83,96	83,05	1685,49	95,80
REX 120 F	REX K 120 F	(3)	1200	1.032.000	1259	1.082.740	95,31	-	133,23	98,88	97,81	1985,13	95,81
REX 130 F	REX K 130 F	(3)	1300	1.118.000	1364	1.173.040	95,31	-	144,34	107,13	105,97	2150,67	95,70

(3) Door opening reversible

Characteristics		Pressure losses flue gas side	Heat losses through the chimney	Heat losses through the casing	Heat losses with burner off	Flue gas temp. at boiler output and air at 20 deg. C	CO ₂	Press. losses fluid side	Design Pressure	Total capacity	Total weight	Electric supply	Frequency	Insulation class	Electric power	Fuel			
		mbar	%	%	%	°C	%	mbar	bar	l	kg	Volt -	Hz	IP	W				
						GAS	GAS	(ΔT=12K)							With electr. contr. (excluded pump and burner)	Nat. gas	Log	Gas oil	Heavy oil
REX 7 F	REX K 7 F	0,9	5,16	0,50	0,10	148	11,0	8	5	105	222	230	50	IP40	20	X	X	-	-
REX 8 F	REX K 8 F	1,1	5,05	0,50	0,10	146	11,0	10	5	105	222	230	50	IP40	20	X	X	-	-
REX 9 F	REX K 9 F	0,9	4,96	0,50	0,10	143	11,0	13	5	123	266	230	50	IP40	20	X	X	-	-
REX 10 F	REX K 10 F	1,1	4,80	0,50	0,10	140	11,0	16	5	123	266	230	50	IP40	20	X	X	-	-
REX 12 F	REX K 12 F	1,3	4,64	0,50	0,10	136	11,0	23	5	123	266	230	50	IP40	20	X	X	-	-
REX 15 F	REX K 15 F	1,3	4,44	0,50	0,10	131	11,0	35	5	172	357	230	50	IP40	20	X	X	-	-
REX 20 F	REX K 20 F	2,2	4,26	0,50	0,10	127	11,0	63	5	172	357	230	50	IP40	20	X	X	-	-
REX 25 F	REX K 25 F	2,4	4,62	0,50	0,10	135	11,0	98	5	220	442	230	50	IP40	20	X	X	-	-
REX 30 F	REX K 30 F	2,4	4,41	0,50	0,10	130	11,0	50	5	300	489	230	50	IP40	20	X	X	-	-
REX 35 F	REX K 35 F	3,4	4,13	0,50	0,10	124	11,0	67	5	356	558	230	50	IP40	20	X	X	-	-
REX 40 F	REX K 40 F	4,7	4,26	0,50	0,10	127	11,0	38	5	360	600	230	50	IP40	20	X	X	-	-
REX 50 F	REX K 50 F	4,8	4,08	0,50	0,10	122	11,0	60	5	540	871	230	50	IP40	20	X	X	-	-
REX 62 F	REX K 62 F	7,3	3,97	0,50	0,10	120	11,0	92	5	645	981	230	50	IP40	20	X	X	-	-
REX 75 F	REX K 75 F	5,8	4,08	0,50	0,10	122	11,0	55	5	855	1230	230	50	IP40	20	X	X	-	-
REX 85 F	REX K 85 F	8,0	4,10	0,50	0,10	123	11,0	71	5	855	1230	230	50	IP40	20	X	X	-	-
REX 95 F	REX K 95 F	5,9	4,21	0,50	0,10	126	11,0	89	5	950	1446	230	50	IP40	20	X	X	-	-
REX 100 F	REX K 100 F	4,5	4,08	0,50	0,10	122	11,0	42	5	1200	1880	230	50	IP40	20	X	X	-	-
REX 120 F	REX K 120 F	6,2	4,19	0,50	0,10	125	11,0	58	5	1200	1880	230	50	IP40	20	X	X	-	-
REX 130 F	REX K 130 F	7,3	4,19	0,50	0,10	125	11,0	68	5	1200	1880	230	50	IP40	20	X	X	-	-

Dimensions				H	H1	H2	H4	H6	H10	L	L2	P	P2	P3	P4	P5	P6	Øb	Øc	N1	N2	N1/N2	N3	N4	N5	N6	N7	N8
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	DN/in	DN/in	PN	DN/in	DN/in	DN/in	DN/in	DN/in	DN/in
REX 7	REX K 7	REX 7 F	REX K 7 F	1063	853	415	912	415	54,5	756	700	994	630	413	240	341	200-250	130	200	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 8	REX K 8	REX 8 F	REX K 8 F	1063	853	415	912	415	54,5	756	700	994	630	413	240	341	200-250	130	200	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 9	REX K 9	REX 9 F	REX K 9 F	1030	855	415	912	415	54,5	756	700	1119	755	513	265	341	200-250	130	200	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 10	REX K 10	REX 10 F	REX K 10 F	1030	855	415	912	415	54,5	756	700	1119	755	513	265	341	200-250	130	200	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 12	REX K 12	REX 12 F	REX K 12 F	1030	855	415	912	415	54,5	756	700	1119	755	513	265	341	200-250	130	200	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 15	REX K 15	REX 15 F	REX K 15 F	1080	905	440	962	440	54,5	806	750	1364	1000	513	475	376	200-250	160	250	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 20	REX K 20	REX 20 F	REX K 20 F	1080	905	440	962	440	54,5	806	750	1364	1000	513	475	376	200-250	160	250	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 25	REX K 25	REX 25 F	REX K 25 F	1080	905	440	962	440	54,5	806	750	1614	1250	513	725	376	200-250	160	250	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 30	REX K 30	REX 30 F	REX K 30 F	1180	1005	490	1061	490	54,5	906	850	1614	1250	523	700	391	200-250	180	250	65	65	6	1"	1"	-	1/2"	1/2"	1/2"
REX 35	REX K 35	REX 35 F	REX K 35 F	1180	1005	490	1061	490	54,5	906	850	1864	1500	523	980	361	200-250	180	250	65	65	6	1"	1"	-	1/2"	1/2"	1/2"
REX 40	REX K 40	REX 40 F	REX K 40 F	1190	1015	500	1095	500	50	946	890	1872	1502	600	850	422	230-280	225	250	80	80	6	1"	1"	1"1/4(1)	1/2"	1/2"	1/2"
REX 50	REX K 50	REX 50 F	REX K 50 F	1380	1205	610	1285	610	60	1166	1110	1946	1502	663	850	433	270-320	225	300	80	80	6	1"	1"1/4	1"1/4	1/2"	1/2"	1/2"
REX 62	REX K 62	REX 62 F	REX K 62 F	1380	1205	610	1285	610	60	1166	1110	2235	1792	663	1150	422	270-320	225	300	80	80	6	1"	1"1/4	1"1/4	1/2"	1/2"	1/2"
REX 75	REX K 75	REX 75 F	REX K 75 F	1510	1335	675	1417	675	60	1296	1240	2247	1753	704	1100	443	270-320	280	350	100	100	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 85	REX K 85	REX 85 F	REX K 85 F	1510	1335	675	1417	675	60	1296	1240	2247	1753	704	1100	443	270-320	280	350	100	100	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 95	REX K 95	REX 95 F	REX K 95 F	1510	1335	675	1417	675	60	1296	1240	2497	2003	704	1200	593	270-320	280	350	100	100	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 100	REX K 100	REX 100 F	REX K 100 F	1660	1485	750	1568	750	60	1446	1390	2477	2003	703	1200	574	270-320	280	400	125	125	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 120	REX K 120	REX 120 F	REX K 120 F	1660	1485	750	1568	750	60	1446	1390	2477	2003	703	1200	574	270-320	280	400	125	125	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 130	REX K 130	REX 130 F	REX K 130 F	1660	1485	750	1568	750	60	1446	1390	2477	2003	703	1200	574	270-320	280	400	125	125	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"

(1) One fitting only



- N1 - Flow
- N2 - Return
- N3 - Fitting for instruments
- N4 - System filling/drainage
- N5 - Fitting for safety valves
- N6 - Bulb wells
- N7 - Condensation drain
- N8 - Inspection well

4.2 REX/REX K/REX F/REX K F 140-350 BOILER

Characteristics			Heat output		Heat input		Efficiency 100% (N.C.V.)	NG max flow rate G20	NG max flow rate G30	NG max flow rate G31	Max flow rate of flues	Efficiency at 30% (N.C.V.)
		u.m.	kW	kcal/h	kW	kcal/h	%	Sm ³ /h	kg/h	kg/h	kg/h	%
		NOTE	Medium Temp. 70°C				Medium Temp. 70°C					Medium Temp. 70°C
REX 140	REX K 140	(3)	1400	1.204.000	1517	1.304.620	92,29	160,53	119,14	117,85	2391,90	91,70
REX 160	REX K 160	(3)	1600	1.376.000	1733	1.490.380	92,33	183,39	136,11	134,63	2732,51	91,80
REX 180	REX K 180	(3)	1800	1.548.000	1950	1.677.000	92,31	206,35	153,15	151,49	3074,62	91,80
REX 200	REX K 200		2000	1.720.000	2167	1.863.620	92,29	229,31	170,19	168,35	3416,72	91,70
REX 240	REX K 240		2400	2.064.000	2600	2.236.000	92,31	275,13	204,20	201,99	4099,44	91,80
REX 300	REX K 300		3000	2.580.000	3250	2.795.000	92,31	343,92	255,25	252,48	5124,41	91,80
REX 350	REX K 350		3500	3.010.000	3792	3.261.120	92,3	401,27	297,82	294,59	5978,92	91,70

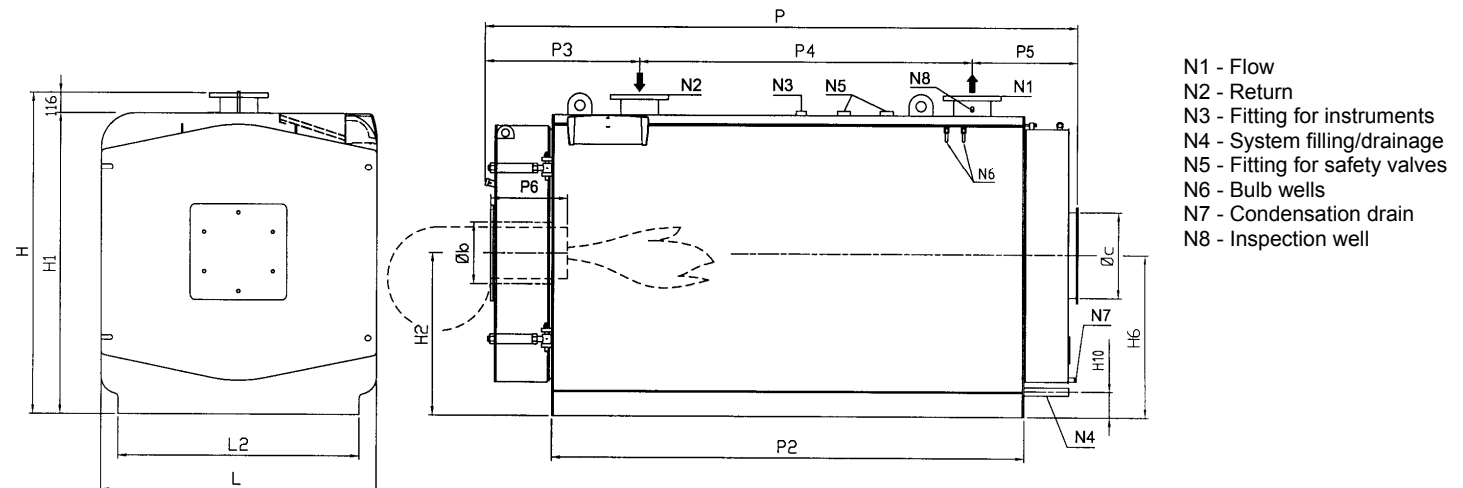
Characteristics		Pressure losses flue gas side	Heat losses through the chimney	Heat losses through the casing	Heat losses with burner off	Flue gas temp. at boiler output and air at 20 deg. C			CO2			Press. losses fluid side	Design Pressure	Total capacity	Total weight	Electric supply	Frequency	Insulation class	Electric power	Fuel			
		mbar	%	%	%	°C	°C	°C	%	%	%	mbar	bar	I	kg	Volt	Hz	IP	W	Nat. gas	Lpg	Gasoil	Heavy oil
						GAS GASOIL HEAVY OIL			GAS GASOIL HEAVY OIL			(ΔT=12K)							With electr. contr. (excluded pump and burner)				
REX 140	REX K 140	6,0	6,91	0,80	0,10	184	187	187	10,5	13,5	14,0	38	5	1500	2600	230	50	IP40	20	X	X	X	X
REX 160	REX K 160	6,5	6,87	0,80	0,10	183	186	186	10,5	13,5	14,0	50	5	1500	2600	230	50	IP40	20	X	X	X	X
REX 180	REX K 180	7,0	6,89	0,80	0,10	184	186	186	10,5	13,5	14,0	63	5	1650	2750	230	50	IP40	20	X	X	X	X
REX 200	REX K 200	6,0	6,91	0,80	0,10	184	187	187	10,5	13,5	14,0	25	5	2000	3650	230	50	IP40	20	X	X	X	X
REX 240	REX K 240	7,5	6,89	0,80	0,10	184	186	186	10,5	13,5	14,0	35	5	2300	3900	230	50	IP40	20	X	X	X	X
REX 300	REX K 300	8,0	6,89	0,80	0,10	184	186	186	10,5	13,5	14,0	55	5	3150	5200	230	50	IP40	20	X	X	X	X
REX 350	REX K 350	9,0	6,90	0,80	0,10	184	187	186	10,5	13,5	14,0	75	5	3650	5700	230	50	IP40	20	X	X	X	X

Characteristics			Heat output		Heat input		Efficiency 100% (N.C.V.)	NG max flow rate G20	NG max flow rate G30	NG max flow rate G31	Max flow rate of flues	Efficiency at 30% (N.C.V.)
		u.m.	kW	kcal/h	kW	kcal/h	%	Sm ³ /h	kg/h	kg/h	kg/h	%
		NOTE	Medium Temp. 70°C				Medium Temp. 70°C					Medium Temp. 70°C
REX 140 F	REX K 140 F	(3)	1400	1.204.000	1468	1.262.480	95,37	155,34	115,29	114,05	2314,57	95,87
REX 160 F	REX K 160 F	(3)	1600	1.376.000	1675	1.440.500	95,52	177,25	131,55	130,13	2641,03	95,80
REX 180 F	REX K 180 F	(3)	1800	1.548.000	1885	1.621.100	95,49	199,47	148,05	146,44	2972,10	95,70
REX 200 F	REX K 200 F		2000	1.720.000	2094	1.800.840	95,51	221,59	164,46	162,68	3301,69	95,80
REX 240 F	REX K 240 F		2400	2.064.000	2518	2.165.480	95,31	266,46	197,76	195,62	3970,25	95,40
REX 300 F	REX K 300 F		3000	2.580.000	3142	2.702.120	95,48	332,49	246,77	244,09	4954,10	95,60
REX 350 F	REX K 350 F		3500	3.010.000	3670	3.156.200	95,37	388,36	288,24	285,11	5786,56	95,87

Characteristics		Pressure losses flue gas side	Heat losses through the chimney	Heat losses through the casing	Heat losses with burner off	Flue gas temp. at boiler output and air at 20 deg. C	CO2	Press. losses fluid side	Design Pressure	Total capacity	Total weight	Electric supply	Frequency	Insulation class	Electric power	Fuel			
		mbar	%	%	%	°C	%	mbar	bar	l	kg	Volt -	Hz	IP	W				
						GAS	GAS	(ΔT=12K)							With electr. contr. (excluded pump and burner)	Nat. gas	Lpg	Gasoil	Heavy oil
REX 140 F	REX K 140 F	6,6	4,13	0,50	0,10	124	11,0	38	5	1500	2665	230	50	IP40	20	X	X	-	-
REX 160 F	REX K 160 F	7,1	3,98	0,50	0,10	120	11,0	50	5	1500	2665	230	50	IP40	20	X	X	-	-
REX 180 F	REX K 180 F	7,6	4,01	0,50	0,10	121	11,0	63	5	1650	2815	230	50	IP40	20	X	X	-	-
REX 200 F	REX K 200 F	6,6	3,99	0,50	0,10	120	11,0	25	5	2000	3730	230	50	IP40	20	X	X	-	-
REX 240 F	REX K 240 F	8,1	4,19	0,50	0,10	125	11,0	35	5	2300	3980	230	50	IP40	20	X	X	-	-
REX 300 F	REX K 300 F	8,6	4,02	0,50	0,10	121	11,0	55	5	3150	5300	230	50	IP40	20	X	X	-	-
REX 350 F	REX K 350 F	9,6	4,13	0,50	0,10	124	11,0	75	5	3650	5800	230	50	IP40	20	X	X	-	-

Dimensions				H	H1	H2	H6	H10	L	L2	P	P2	P3	P4	P5	P6	Øb	Øc	N1	N2	N1/N2	N3	N4	N5	N6	N7	N8
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	DN/in	DN/in	PN	DN/in	DN/in	DN/in	DN/in	DN/in	DN/in
REX 140	REX K 140	REX 140 F	REX K 140 F	1746	1630	880	880	150	1470	1270	2886	2300	831	1300	755	350-400	320	400	150	150	16	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 160	REX K 160	REX 160 F	REX K 160 F	1746	1630	880	880	150	1470	1270	2886	2300	831	1300	755	350-400	320	400	150	150	16	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 180	REX K 180	REX 180 F	REX K 180 F	1746	1630	880	880	150	1470	1270	3096	2510	771	1850	475	450-500	320	400	150	150	16	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 200	REX K 200	REX 200 F	REX K 200 F	1876	1760	945	945	150	1600	1400	3220	2510	903	1550	767	450-500	360	500	200	200	16	1"	1"1/4	2"	1/2"	1/2"	1/2"
REX 240	REX K 240	REX 240 F	REX K 240 F	1876	1760	945	945	150	1600	1400	3480	2770	903	1950	627	450-500	360	500	200	200	16	1"	1"1/4	2"	1/2"	1/2"	1/2"
REX 300	REX K 300	REX 300 F	REX K 300 F	2146	2030	1080	1080	150	1870	1670	3480	2770	903	2050	527	450-500	400	550	200	200	16	1"	1"1/4	2"	1/2"	1/2"	1/2"
REX 350	REX K 350	REX 350 F	REX K 350 F	2146	2030	1080	1080	150	1870	1670	3935	3225	903	2050	982	450-500	400	550	200	200	16	1"	1"1/4	2"	1/2"	1/2"	1/2"

(3) Door opening reversible



4.3 REX 400-600 BOILER

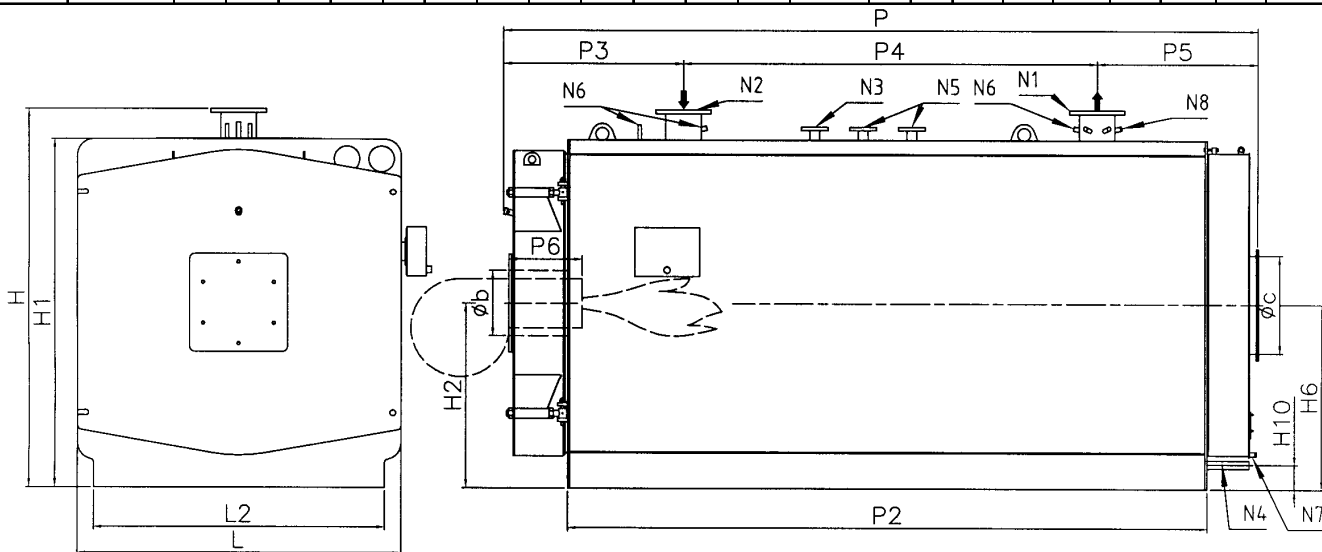
Characteristics	Heat output		Heat input		Efficiency 100% (N.C.V.)	NG max flow rate G20	NG max flow rate G30	NG max flow rate G31	Max flow rate of flues	Efficiency at 30% (N.C.V.)
	kW	kcal/h	kW	kcal/h	%	Stm ³ /h	kg/h	kg/h	kg/h	%
	Medium Temp. 70°C				Medium Temp. 70°C					Medium Temp. 70°C
REX 400	4000	3.440.000	4333	3.726.380	92,31	458,52	340,31	336,62	6831,95	91,80
REX 450	4500	3.870.000	4865	4.183.900	92,5	514,81	382,09	377,95	7670,67	91,90
REX 500	5000	4.300.000	5402	4.645.720	92,56	571,64	424,27	419,67	8517,44	91,90
REX 600	6000	5.160.000	6480	5.572.800	92,59	685,71	508,93	503,41	10217,08	91,90

Characteristics	Pressure losses flue gas side	Heat losses through the chimney	Heat losses through the casing	Heat losses with burner off	Flue gas temp. at boiler output and air at 20 deg. C			CO2			Press. losses fluid side	Design Pressure	Total capacity	Total weight	Electric supply	Frequency	Insulation class	Electric power	Fuel			
	mbar	%	%	%	°C	°C	°C	%	%	%	mbar	bar	l	kg	Volt -	Hz	IP	W	Nat. gas	Lpg	Gas oil	Heavy oil
					GAS GASOIL HEAVY OIL			GAS GASOIL HEAVY OIL			(ΔT=12K)							With electr. contr. (excluded pump and burner)				
REX 400	9,0	6,89	0,80	0,10	184	186	186	10,5	13,5	14,0	98	6	4450	7420	230	50	IP40	20	X	X	X	X
REX 450	10,0	6,70	0,80	0,10	179	182	182	10,5	13,5	14,0	124	6	4900	7920	230	50	IP40	20	X	X	X	X
REX 500	10,0	6,64	0,80	0,10	178	181	180	10,5	13,5	14,0	63	6	6200	9530	230	50	IP40	20	X	X	X	X
REX 600	12,0	6,61	0,80	0,10	177	180	180	10,5	13,5	14,0	91	6	6900	11330	230	50	IP40	20	X	X	X	X

Characteristics	Heat output		Heat input		Efficiency 100% (N.C.V.)	NG max flow rate G20	NG max flow rate G30	NG max flow rate G31	Max flow rate of flues	Efficiency at 30% (N.C.V.)
	kW	kcal/h	kW	kcal/h	%	Stm ³ /h	kg/h	kg/h	kg/h	%
	Medium Temp. 70°C				Medium Temp. 70°C					Medium Temp. 70°C
REX 400 F	4000	3.440.000	4195	3.607.700	95,35	443,92	329,47	325,90	6614,41	95,45
REX 450 F	4500	3.870.000	4720	4.059.200	95,34	499,47	370,70	366,68	7442,10	95,50
REX 500 F	5000	4.300.000	5245	4.510.700	95,33	555,03	411,94	407,47	8269,95	95,46
REX 600 F	6000	5.160.000	6295	5.413.700	95,31	666,14	494,40	489,04	9925,49	95,48

Characteristics	Pressure losses flue gas side	Heat losses through the chimney	Heat losses through the casing	Heat losses with burner off	Flue gas temp. at boiler output and air at 20 deg. C			CO2	Press. losses fluid side	Design Pressure	Total capacity	Total weight	Electric supply	Frequency	Insulation class	Electric power	Fuel			
	mbar	%	%	%	°C			%	mbar	bar	l	kg	Volt -	Hz	IP	W	Nat. gas	Lpg	Gas oil	Heavy oil
					GAS			GAS	(ΔT=12K)							With electr. contr. (excluded pump and burner)				
REX 400 F	11,0	3,85	0,80	0,10	114			10,5	98	6	4450	7540	230	50	IP40	20	X	X	-	-
REX 450 F	11,0	3,86	0,80	0,10	114			10,5	124	6	4900	8040	230	50	IP40	20	X	X	-	-
REX 500 F	11,0	3,87	0,80	0,10	114			10,5	63	6	6200	9670	230	50	IP40	20	X	X	-	-
REX 600 F	12,0	3,89	0,80	0,10	115			10,5	91	6	6900	11480	230	50	IP40	20	X	X	-	-

Dimensions		H	H1	H2	H6	H10	L	L2	P	P2	P3	P4	P5	P6	Øb	Øc	N1	N2	N1/N2	N3	N4	N5	N6	N7	N8
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	DN/in	DN/in	PN	DN/in	DN/in	DN/in	DN/in	DN/in	DN/in
REX 400	REX 400 F	2326	2140	1135	1135	150	1980	1780	4310	3596	1105	2200	1005	450-500	400	600	200	200	16	50	1"1/4	50	1/2"-3/4"	1/2"	1/2"
REX 450	REX 450 F	2326	2140	1135	1135	150	1980	1780	4660	3946	1105	2550	1005	500-550	400	600	200	200	16	50	1"1/4	50	1/2"-3/4"	1/2"	1/2"
REX 500	REX 500 F	2529	2340	1235	1235	150	2180	1980	4729	3948	1174	2550	1005	500-550	450	650	250	250	16	65	1"1/4	65	1/2"-3/4"	1/2"	1/2"
REX 600	REX 600 F	2529	2340	1235	1235	150	2180	1980	5261	4488	1174	3100	987	530-580	450	650	250	250	16	65	1"1/4	65	1/2"-3/4"	1/2"	1/2"



N1 - Flow
N2 - Return
N3 - Fitting for instruments
N4 - System filling/drainage

N5 - Fitting for safety valves
N6 - Bulb wells
N7 - Condensate drain
N8 - Inspection well

4.4 REX DUAL/REX DUAL F (staked) 14-170 BOILER

Characteristics		Heat output		Heat input		Efficiency 100% (N.C.V.)	Effic. 100% (stars)	NG max flow rate G20	NG max flow rate G30	NG max flow rate G31	Max flow rate of flues	Efficiency at 30% (N.C.V.)
	u.m.	kW	kcal/h	kW	kcal/h	%	%	Stm ³ /h	kg/h	kg/h	kg/h	%
	NOTE	Medium Temp. 70°C				Medium Temp. 70°C	(Efficiently Dir. 92/42/CEE)					Medium Temp. 70°C
REX DUAL 14	(3)	140	120.000	152	130.720	92,11	**	16,08	11,94	11,81	239,59	91,40
REX DUAL 16	(3)	160	138.000	174	149.640	91,95	**	18,41	13,67	13,52	274,31	91,50
REX DUAL 18	(3)	180	155.000	196	168.560	91,84	**	20,74	15,39	15,23	309,03	91,55
REX DUAL 20	(3)	200	172.000	218	187.480	91,74	**	23,07	17,12	16,94	343,74	91,66
REX DUAL 24	(3)	240	206.000	260	223.600	92,31	**	27,51	20,42	20,20	409,90	91,45
REX DUAL 30	(3)	300	258.000	326	280.360	92,02	**	34,50	25,60	25,33	514,05	91,30
REX DUAL 40	(3)	400	344.000	432	371.520	92,59	**	45,71	33,93	33,56	681,08	91,36
REX DUAL 50	(3)	500	430.000	542	466.120	92,25	-	57,35	42,57	42,11	854,52	91,70
REX DUAL 60	(3)	600	516.000	650	559.000	92,31	-	68,78	51,05	50,50	1024,82	91,90
REX DUAL 70	(3)	700	602.000	758	651.880	92,35	-	80,21	59,53	58,89	1195,13	91,90
REX DUAL 80	(3)	800	688.000	866	744.760	92,38	-	91,64	68,01	67,28	1365,44	91,80
REX DUAL 100	(3)	1000	860.000	1084	932.240	92,25	-	114,71	85,14	84,21	1709,18	91,90
REX DUAL 124	(3)	1240	1.066.000	1344	1.155.840	92,26	-	142,22	105,56	104,41	2119,08	91,80
REX DUAL 150	(3)	1500	1.290.000	1626	1.398.360	92,25	-	172,06	127,70	126,32	2563,69	91,80
REX DUAL 170	(3)	1700	1.462.000	1842	1.584.120	92,29	-	194,92	144,67	143,10	2904,31	91,80

Characteristics	Pressure losses flue gas side	Heat losses through the chimney	Heat losses through the casing	Heat losses with burner off	Flue gas temp. at boiler output and air at 20 deg. C			CO2			Press. losses fluid side	Design Pressure	Total capacity	Total weight	Electric supply	Frequency	Insulation class	Electric power	Fuel			
	mbar	%	%	%	°C	°C	°C	%	%	%	mbar	bar	l	kg	Volt ~	Hz	IP	W				
					GAS GASOIL HEAVY OIL			GAS GASOIL HEAVY OIL			(ΔT=12K)							With electr. contr. (excluded pump and burner)	Nat. gas	Lpg	Gasoil	Heavy oil
REX DUAL 14	0,8	7,09	0,80	0,10	188	191	191	10,5	13,5	14,0	11	5	210	465	230	50	IP40	20	X	X	X	X
REX DUAL 16	1,0	7,25	0,80	0,10	192	195	194	10,5	13,5	14,0	14	5	210	465	230	50	IP40	20	X	X	X	X
REX DUAL 18	0,8	7,36	0,80	0,10	194	197	197	10,5	13,5	14,0	18	5	246	549	230	50	IP40	20	X	X	X	X
REX DUAL 20	1,0	7,46	0,80	0,10	197	199	199	10,5	13,5	14,0	22	5	246	549	230	50	IP40	20	X	X	X	X
REX DUAL 24	1,1	6,89	0,80	0,10	184	186	186	10,5	13,5	14,0	32	5	246	549	230	50	IP40	20	X	X	X	X
REX DUAL 30	1,2	7,18	0,80	0,10	190	193	193	10,5	13,5	14,0	22	5	344	726	230	50	IP40	20	X	X	X	X
REX DUAL 40	1,9	6,61	0,80	0,10	177	180	180	10,5	13,5	14,0	38	5	344	726	230	50	IP40	20	X	X	X	X
REX DUAL 50	2,0	6,95	0,80	0,10	185	188	187	10,5	13,5	14,0	60	5	440	898	230	50	IP40	20	X	X	X	X
REX DUAL 60	2,0	6,89	0,80	0,10	184	186	186	10,5	13,5	14,0	86	5	600	986	230	50	IP40	20	X	X	X	X
REX DUAL 70	2,9	6,85	0,80	0,10	183	186	185	10,5	13,5	14,0	118	5	712	1122	230	50	IP40	20	X	X	X	X
REX DUAL 80	4,1	6,82	0,80	0,10	182	185	184	10,5	13,5	14,0	63	5	720	1285	230	50	IP40	20	X	X	X	X
REX DUAL 100	4,2	6,95	0,80	0,10	185	188	187	10,5	13,5	14,0	98	5	1080	1830	230	50	IP40	20	X	X	X	X
REX DUAL 124	6,4	6,94	0,80	0,10	185	188	187	10,5	13,5	14,0	62	5	1290	2065	230	50	IP40	20	X	X	X	X
REX DUAL 150	5,2	6,95	0,80	0,10	185	188	187	10,5	13,5	14,0	44	5	1710	2621	230	50	IP40	20	X	X	X	X
REX DUAL 170	7,2	6,91	0,80	0,10	184	187	187	10,5	13,5	14,0	56	5	1710	2621	230	50	IP40	20	X	X	X	X

Characteristics		Heat output		Heat input		Efficiency 100% (N.C.V.)	Effic. 100% (stars)	NG max flow rate G20	NG max flow rate G30	NG max flow rate G31	Max flow rate of flues	Efficiency at 30% (N.C.V.)
	u.m.	kW	kcal/h	kW	kcal/h	%	%	Stm ³ /h	kg/h	kg/h	kg/h	%
	NOTE	Medium Temp. 70°C				Medium Temp. 70°C	(Efficiently Dir. 92/42/CEE)					Medium Temp. 70°C
REX DUAL 14 F	(3)	140	120.000	148	127.624	94,34	***	15,70	11,66	11,53	233,93	94,80
REX DUAL 16 F	(3)	160	138.000	169	145.684	94,45	***	17,93	13,30	13,16	267,16	94,70
REX DUAL 18 F	(3)	180	155.000	190	163.744	94,54	***	20,15	14,95	14,79	300,24	95,00
REX DUAL 20 F	(3)	200	172.000	211	181.632	94,70	***	22,35	16,59	16,41	333,02	94,80
REX DUAL 24 F	(3)	240	206.000	253	217.580	94,86	***	26,77	19,87	19,65	398,87	95,10
REX DUAL 30 F	(3)	300	258.000	316	271.416	95,06	***	33,40	24,79	24,52	497,66	95,70
REX DUAL 40 F	(3)	400	344.000	420	361.200	95,24	***	44,44	32,99	32,63	662,16	95,30
REX DUAL 50 F	(3)	500	430.000	527	453.220	94,88	-	55,77	41,39	40,94	830,97	95,38
REX DUAL 60 F	(3)	600	516.000	631	542.660	95,09	-	66,77	49,56	49,02	994,87	95,59
REX DUAL 70 F	(3)	700	602.000	734	631.240	95,37	-	77,67	57,65	57,02	1157,28	95,60
REX DUAL 80 F	(3)	800	688.000	840	722.400	95,24	-	88,89	65,97	65,26	1324,46	95,40
REX DUAL 100 F	(3)	1000	860.000	1048	901.280	95,42	-	110,90	82,31	81,42	1652,41	95,70
REX DUAL 124 F	(3)	1240	1.066.000	1298	1.116.280	95,53	-	137,35	101,94	100,84	2046,52	95,90
REX DUAL 150 F	(3)	1500	1.290.000	1572	1.351.920	95,42	-	166,35	123,46	122,12	2478,62	95,92
REX DUAL 170 F	(3)	1700	1.462.000	1782	1.532.520	95,40	-	188,57	139,96	138,44	2809,69	95,80

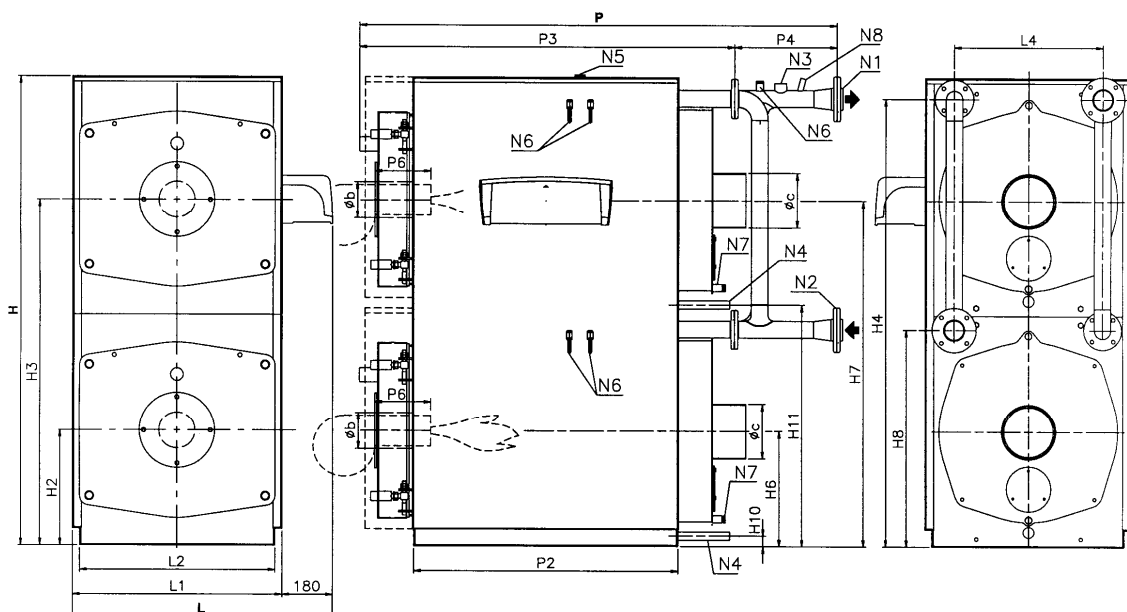
Characteristics	Pressure losses flue gas side	Heat losses through the chimney	Heat losses through the casing	Heat losses with burner off	Flue gas temp. at boiler output and air at 20 deg. C	CO2	Press. losses fluid side	Design Pressure	Total capacity	Total weight	Electric supply	Frequency	Insulation class	Electric power	Fuel			
	mbar	%	%	%	°C	%	mbar	bar	l	kg	Volt ~	Hz	IP	W				
					GAS	GAS	(ΔT=12K)							With electr. contr. (excluded pump and burner)	Nat. gas	Lpg	Gasoil	Heavy oil
REX DUAL 14 F	0,9	5,16	0,50	0,10	148	11,0	11	5	210	477	230	50	IP40	20	X	X	-	-
REX DUAL 16 F	1,1	5,05	0,50	0,10	146	11,0	14	5	210	477	230	50	IP40	20	X	X	-	-
REX DUAL 18 F	0,9	4,96	0,50	0,10	143	11,0	18	5	246	565	230	50	IP40	20	X	X	-	-
REX DUAL 20 F	1,1	4,80	0,50	0,10	140	11,0	22	5	246	565	230	50	IP40	20	X	X	-	-
REX DUAL 24 F	1,3	4,64	0,50	0,10	136	11,0	32	5	246	565	230	50	IP40	20	X	X	-	-
REX DUAL 30 F	1,3	4,44	0,50	0,10	131	11,0	22	5	344	748	230	50	IP40	20	X	X	-	-
REX DUAL 40 F	2,2	4,26	0,50	0,10	127	11,0	38	5	440	748	230	50	IP40	20	X	X	-	-
REX DUAL 50 F	2,4	4,62	0,50	0,10	135	11,0	60	5	440	920	230	50	IP40	20	X	X	-	-
REX DUAL 60 F	2,4	4,41	0,50	0,10	130	11,0	86	5	600	1014	230	50	IP40	20	X	X	-	-
REX DUAL 70 F	3,4	4,13	0,50	0,10	124	11,0	118	5	712	1154	230	50	IP40	20	X	X	-	-
REX DUAL 80 F	4,7	4,26	0,50	0,10	127	11,0	63	5	720	1317	230	50	IP40	20	X	X	-	-
REX DUAL 100 F	4,8	4,08	0,50	0,10	122	11,0	98	5	1080	1866	230	50	IP40	20	X	X	-	-
REX DUAL 124 F	7,3	3,97	0,50	0,10	120	11,0	62	5	1290	2101	230	50	IP40	20	X	X	-	-
REX DUAL 150 F	5,8	4,08	0,50	0,10	122	11,0	44	5	1710	2671	230	50	IP40	20	X	X	-	-
REX DUAL 170 F	8,0	4,10	0,50	0,10	123	11,0	56	5	1710	2671	230	50	IP40	20	X	X	-	-

(3) Door opening reversible

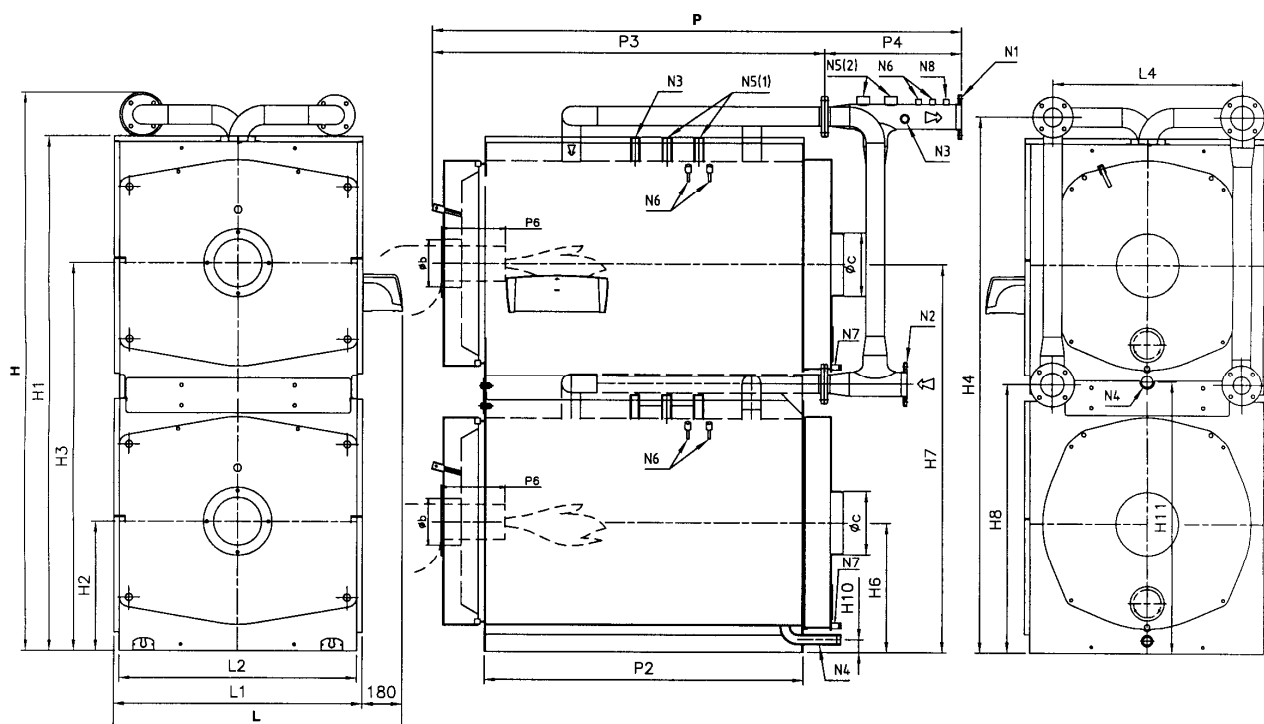
Dimensions		H	H1	H2	H3	H4	H6	H7	H8	H10	H11	L	L1	L2	L4	P	P2	P3	P4	P6	Øb	Øc	N1/N2	N1	N2	N3	N4	N5	N6	N7	N8
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	PN	DN/in	DN/in	DN/in	DN/in	DN/in	DN/in	DN/in	DN/in
REX DUAL 14	REX DUAL 14 F	1693	-	415	1245	1610	415	1245	780	54,5	884,5	939	756	700	540	1365	630	996	369	200-250	130	200	6	65	65	1"	1"	1"	1/2"	1/2"	1/2"
REX DUAL 16	REX DUAL 16 F	1693	-	415	1245	1610	415	1245	780	54,5	884,5	939	756	700	540	1365	630	996	369	200-250	130	200	6	65	65	1"	1"	1"	1/2"	1/2"	1/2"
REX DUAL 18	REX DUAL 18 F	1693	-	415	1245	1610	415	1245	780	54,5	884,5	939	756	700	540	1490	755	1121	369	200-250	130	200	6	65	65	1"	1"	1"	1/2"	1/2"	1/2"
REX DUAL 20	REX DUAL 20 F	1693	-	415	1245	1610	415	1245	780	54,5	884,5	939	756	700	540	1490	755	1121	369	200-250	130	200	6	65	65	1"	1"	1"	1/2"	1/2"	1/2"
REX DUAL 24	REX DUAL 24 F	1693	-	415	1245	1610	415	1245	780	54,5	884,5	939	756	700	540	1490	755	1121	369	200-250	130	200	6	65	65	1"	1"	1"	1/2"	1/2"	1/2"
REX DUAL 30	REX DUAL 30 F	1793	-	440	1320	1710	440	1320	830	54,5	934,5	989	806	750	590	1798	1000	1400	398	200-250	160	250	6	80	80	1"	1"	1"	1/2"	1/2"	1/2"
REX DUAL 40	REX DUAL 40 F	1793	-	440	1320	1710	440	1320	830	54,5	934,5	989	806	750	590	1798	1000	1400	398	200-250	160	250	6	80	80	1"	1"	1"	1/2"	1/2"	1/2"
REX DUAL 50	REX DUAL 50 F	1793	-	440	1320	1710	440	1320	830	54,5	1034,5	989	806	750	590	2048	1250	1650	398	200-250	160	250	6	80	80	1"	1"	1"	1/2"	1/2"	1/2"
REX DUAL 60	REX DUAL 60 F	1993	-	490	1470	1910	490	1470	930	54,5	1034,5	1089	906	850	690	2049	1250	1651	398	200-250	180	250	6	80	80	1"	1"	1"	1/2"	1/2"	1/2"
REX DUAL 70	REX DUAL 70 F	1993	-	490	1470	1910	490	1470	930	54,5	1034,5	1089	906	850	690	2299	1500	1901	398	200-250	180	250	6	80	80	1"	1"	1"	1/2"	1/2"	1/2"
REX DUAL 80	REX DUAL 80 F	2244	2040	500	1525	2139	500	1525	1069	50	1075	1129	946	890	720	2440	1502	1795	645	230-280	225	250	6	100	100	1"	1"	1"1/4(1)+1"1/2(2)	1/2"	1/2"	1/2"
REX DUAL 100	REX DUAL 100 F	2624	2420	610	1825	2520	610	1825	1259	60	1275	1349	1166	1110	900	2490	1502	1847	643	270-320	225	300	6	100	100	1"	1"1/4	1"1/4+1"1/2(2)	1/2"	1/2"	1/2"
REX DUAL 124	REX DUAL 124 F	2640	2420	610	1825	2520	610	1825	1259	60	1275	1349	1166	1110	900	2792	1792	2113	679	270-320	225	300	6	125	125	1"	1"1/4	1"1/4+1"1/2(2)	1/2"	1/2"	1/2"
REX DUAL 150	REX DUAL 150 F	2935	2680	675	2020	2793	675	2020	1372	60	1405	1479	1296	1240	1000	2756	1753	2087	668	270-320	280	350	6	150	150	1"	1"1/4	1"1/2+1"1/2(2)	1/2"	1/2"	1/2"
REX DUAL 170	REX DUAL 170 F	2935	2680	675	2020	2793	675	2020	1372	60	1405	1479	1296	1240	1000	2756	1753	2087	668	270-320	280	350	6	150	150	1"	1"1/4	1"1/2+1"1/2(2)	1/2"	1/2"	1/2"

(1) One fitting only

Mod 14-70



- N1 - Flow
- N2 - Return
- N3 - Fitting for instruments
- N4 - System filling/drainage
- N5 - Fitting for safety valves
- N6 - Bulb wells
- N7 - Condensation drain
- N8 - Inspection well



Mod. 80-170

4.5 REX DUAL/REX DUAL F (side by side) 80-260 BOILER

Characteristics		Heat output		Heat input		Efficiency 100% (N.C.V.)	NG max flow rate G20	NG max flow rate G30	NG max flow rate G31	Max flow rate of flues	Efficiency at 30% (N.C.V.)
	u.m.	kW	kcal/h	kW	kcal/h	%	Stm³/h	kg/h	kg/h	kg/h	%
	NOTE	Medium Temp. 70°C				Medium Temp. 70°C					Medium Temp. 70°C
REX DUAL 80	(3)	800	688.000	866	744.760	92,38	91,64	68,01	67,28	1365,44	91,80
REX DUAL 100	(3)	1000	860.000	1084	932.240	92,25	114,71	85,14	84,21	1709,18	91,90
REX DUAL 124	(3)	1240	1.066.000	1344	1.155.840	92,26	142,22	105,56	104,41	2119,08	91,80
REX DUAL 150	(3)	1500	1.290.000	1626	1.398.360	92,25	172,06	127,70	126,32	2563,69	91,80
REX DUAL 170	(3)	1700	1.462.000	1842	1.584.120	92,29	194,92	144,67	143,10	2904,31	91,80
REX DUAL 190	(3)	1900	1.634.000	2060	1.771.600	92,23	217,99	161,79	160,04	3248,05	91,70
REX DUAL 200	(3)	2040	1.754.000	2212	1.902.320	92,22	234,07	173,73	171,84	3487,64	91,70
REX DUAL 240	(3)	2400	2.064.000	2602	2.237.720	92,24	275,34	204,36	202,14	4102,57	91,80
REX DUAL 260	(3)	2600	2.236.000	2818	2.423.480	92,26	298,20	221,32	218,92	4443,18	91,70

Characteristics	Pressure losses flue gas side	Heat losses through the chimney	Heat losses through the casing	Heat losses with burner off	Flue gas temp. at boiler output and air at 20 deg. C			CO2			Press. losses fluid side	Design Pressure	Total capacity	Total weight	Electric supply	Frequency	Insulation class	Electric power	Fuel			
	mbar	%	%	%	°C	°C	°C	%	%	%	mbar	bar	l	kg	Volt ~	Hz	IP	W				
					GAS GASOIL HEAVY OIL			GAS GASOIL HEAVY OIL			(ΔT=12K)							With electr. contr. (excluded pump and burner)	Nat. gas	Lpg	Gasoil	Heavy oil
REX DUAL 80	4,1	6,82	0,80	0,10	182	185	184	10,5	13,5	14,0	63	5	720	1167	230	50	IP40	20	X	X	X	X
REX DUAL 100	4,2	6,95	0,80	0,10	185	188	187	10,5	13,5	14,0	98	5	1080	1705	230	50	IP40	20	X	X	X	X
REX DUAL 124	6,4	6,94	0,80	0,10	185	188	187	10,5	13,5	14,0	62	5	1290	1925	230	50	IP40	20	X	X	X	X
REX DUAL 150	5,2	6,95	0,80	0,10	185	188	187	10,5	13,5	14,0	44	5	1710	2409	230	50	IP40	20	X	X	X	X
REX DUAL 170	7,2	6,91	0,80	0,10	184	187	187	10,5	13,5	14,0	56	5	1710	2409	230	50	IP40	20	X	X	X	X
REX DUAL 190	5,2	6,97	0,80	0,10	185	188	188	10,5	13,5	14,0	22	5	1900	2833	230	50	IP40	20	X	X	X	X
REX DUAL 200	4,0	6,98	0,80	0,10	186	189	188	10,5	13,5	14,0	26	5	2400	3686	230	50	IP40	20	X	X	X	X
REX DUAL 240	5,5	6,96	0,80	0,10	185	188	188	10,5	13,5	14,0	35	5	2400	3686	230	50	IP40	20	X	X	X	X
REX DUAL 260	6,5	6,94	0,80	0,10	185	188	187	10,5	13,5	14,0	42	5	2400	3686	230	50	IP40	20	X	X	X	X

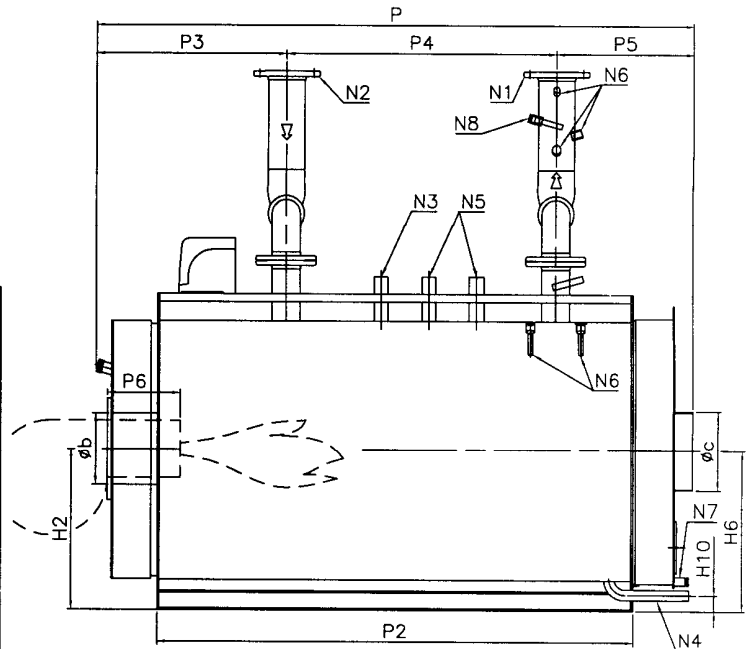
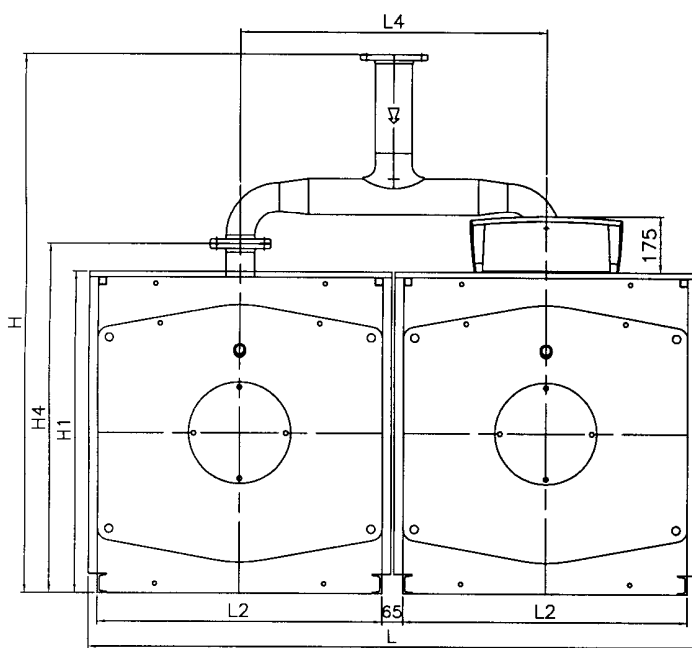
Characteristics		Heat output		Heat input		Efficiency 100% (N.C.V.)	NG max flow rate G20	NG max flow rate G30	NG max flow rate G31	Max flow rate of flues	Efficiency at 30% (N.C.V.)
	u.m.	kW	kcal/h	kW	kcal/h	%	Stm³/h	kg/h	kg/h	kg/h	%
	NOTE	Medium Temp. 70°C				Medium Temp. 70°C					Medium Temp. 70°C
REX DUAL 80 F	(3)	800	688.000	840	722.400	95,24	88,89	65,97	65,26	1324,46	95,40
REX DUAL 100 F	(3)	1000	860.000	1048	901.280	95,42	110,90	82,31	81,42	1652,41	95,70
REX DUAL 124 F	(3)	1240	1.066.000	1298	1.116.280	95,53	137,35	101,94	100,84	2046,52	95,90
REX DUAL 150 F	(3)	1500	1.290.000	1572	1.351.920	95,42	166,35	123,46	122,12	2478,62	95,92
REX DUAL 170 F	(3)	1700	1.462.000	1782	1.532.520	95,40	188,57	139,96	138,44	2809,69	95,80
REX DUAL 190 F	(3)	1900	1.634.000	1994	1.714.840	95,29	211,01	156,61	154,91	3144,05	95,70
REX DUAL 200 F	(3)	2040	1.754.000	2138	1.838.680	95,42	226,24	167,92	166,10	3370,98	95,75
REX DUAL 240 F	(3)	2400	2.064.000	2518	2.165.480	95,31	266,46	197,76	195,62	3970,25	95,85
REX DUAL 260 F	(3)	2600	2.236.000	2728	2.346.080	95,31	288,68	214,25	211,93	4301,33	95,78

Characteristics	Pressure losses flue gas side	Heat losses through the chimney	Heat losses through the casing	Heat losses with burner off	Flue gas temp. at boiler output and air at 20 deg. C		CO2	Press. losses fluid side	Design Pressure	Total capacity	Total weight	Electric supply	Frequency	Insulation class	Electric power	Fuel			
	mbar	%	%	%	°C		%	mbar	bar	l	kg	Volt ~	Hz	IP	W				
					GAS		GAS	(ΔT=12K)							With electr. contr. (excluded pump and burner)	Nat. gas	Lpg	Gasoil	Heavy oil
REX DUAL 80 F	4,7	4,26	0,50	0,10	127		11,0	63	5	720	1255	230	50	IP40	20	X	X	-	-
REX DUAL 100 F	4,8	4,08	0,50	0,10	122		11,0	98	5	1080	1802	230	50	IP40	20	X	X	-	-
REX DUAL 124 F	7,3	3,97	0,50	0,10	120		11,0	62	5	1290	2033	230	50	IP40	20	X	X	-	-
REX DUAL 150 F	5,8	4,08	0,50	0,10	122		11,0	44	5	1710	2566	230	50	IP40	20	X	X	-	-
REX DUAL 170 F	8,0	4,10	0,50	0,10	123		11,0	56	5	1710	2566	230	50	IP40	20	X	X	-	-
REX DUAL 190 F	5,9	4,21	0,50	0,10	126		11,0	22	5	1900	2998	230	50	IP40	20	X	X	-	-
REX DUAL 200 F	4,5	4,08	0,50	0,10	122		11,0	26	5	2400	3905	230	50	IP40	20	X	X	-	-
REX DUAL 240 F	6,2	4,19	0,50	0,10	125		11,0	35	5	2400	3905	230	50	IP40	20	X	X	-	-
REX DUAL 260 F	7,3	4,19	0,50	0,10	125		11,0	42	5	2400	3905	230	50	IP40	20	X	X	-	-

(3) Door opening reversible

Dimensions		H	H1	H2	H4	H6	H10	L	L2	L4	P	P2	P3	P4	P5	P6	Øb	Øc	N1	N2	N1/N2	N3	N4	N5	N6	N7	N8
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	DN/in	DN/in	PN	DN/in	DN/in	DN/in	DN/in	DN/in	DN/in
REX DUAL 80	REX DUAL 80 F	1690	1015	500	1095	500	50	1901	890	955	1872	1502	600	850	422	230-280	225	250	100	100	6	1"	1"	1"1/4(1)	1/2"	1/2"	1/2"
REX DUAL 100	REX DUAL 100 F	1880	1205	610	1285	610	60	2341	1110	1175	1946	1502	663	850	433	270-320	225	300	100	100	6	1"	1"1/4	1"1/4	1/2"	1/2"	1/2"
REX DUAL 124	REX DUAL 124 F	1902	1205	610	1285	610	60	2341	1110	1175	2235	1792	663	1150	422	270-320	225	300	125	125	6	1"	1"1/4	1"1/4	1/2"	1/2"	1/2"
REX DUAL 150	REX DUAL 150 F	1990	1335	675	1417	675	60	2600	1240	1305	2247	1753	704	1100	443	270-320	280	350	150	150	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX DUAL 170	REX DUAL 170 F	1990	1335	675	1417	675	60	2600	1240	1305	2247	1753	704	1100	443	270-320	280	350	150	150	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX DUAL 190	REX DUAL 190 F	1990	1335	675	1417	675	60	2600	1240	1305	2497	2003	704	1200	593	270-320	280	350	200	200	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX DUAL 200	REX DUAL 200 F	2025	1485	750	1568	750	60	2900	1390	1455	2477	2003	703	1200	574	270-320	280	400	200	200	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX DUAL 240	REX DUAL 240 F	2025	1485	750	1568	750	60	2900	1390	1455	2477	2003	703	1200	574	270-320	280	400	200	200	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX DUAL 260	REX DUAL 260 F	2025	1485	750	1568	750	60	2900	1390	1455	2477	2003	703	1200	574	270-320	280	400	200	200	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"

⁽¹⁾ One fitting only



- N1 - Flow
- N2 - Return
- N3 - Fitting for instruments
- N4 - System filling/drainage
- N5 - Fitting for safety valves
- N6 - Bulb wells
- N7 - Condensation drain
- N8 - Inspection well

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ENERGY SYSTEMS



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