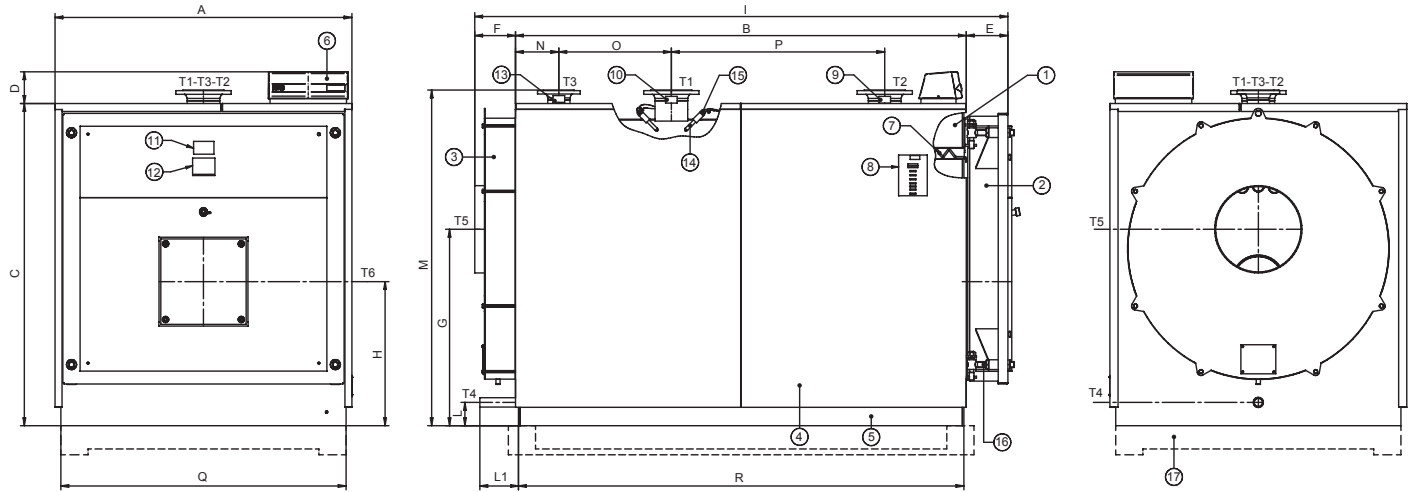


> PREXTHERM RSH 80÷1300

DIMENSIONS - TECHNICAL DATA



KEY 1 Boiler body 2 Front door 3 Rear flues chamber 4 Jacket 5 Jacket frame 6 Control board 7 Turbulators 8 Data label 9 Return connection label 10 Flow connection label 11 Front door label 12 Burner door label 13 Check label 14 Sheath 15 Operating thermostats 16 Front door hinges 17 Wooden pallet
 T1 System flow T2 System return T3 Expansion tank connection T4 Boiler drain T5 Chimney stack T6 Burner connection

MODEL			80	90	130	160	200	250	350	450	500	600	700	800	900	1100	1300
Heat Output	min	kW	60	70	100	137	160	196	260	341	390	468	533	611	689	813	962
	max	kW	92	107	152	190	240	320	399	500	600	720	820	940	1060	1250	1480
Heat Input	min	kW	63,7	74,3	105,8	144,4	168,4	206	272,6	357	407,9	489,8	558,4	638,9	719,9	848,2	1004,4
	max	kW	97,7	113,5	160,8	200,2	252,6	336,4	418,4	523,5	627,6	753,6	859,1	982,9	1107,6	1304,2	1545,2
Water content		dm ³	120	185	235	304	362	337	405	471	735	850	850	1240	1490	1490	1620
Efficiency at Pn max	Tm 70°C	%	94,19	94,27	94,52	94,92	95,02	95,15	95,37	95,52	95,62	95,56	95,47	96,00	95,72	95,86	95,80
Efficiency at Pn min	Tm 70°C	%	95,40	95,50	95,75	95,44	95,71	95,84	96,06	96,21	96,31	96,25	96,16	96,34	96,41	96,55	96,46
Efficiency at 30% Pn max	Tm 50°C	%	95,42	95,52	95,77	95,75	96,02	96,12	96,37	96,52	96,62	96,56	96,47	96,65	96,72	96,87	96,81
Max operating pressure		bar	6														
Pressure drop water side	Δt 10°C	Δt mbar	11	20	12	17	40	48	40	51	32	40	51	65	86	110	100
	Δt 20°C	Δt mbar	2	5	3	4	9	13	12	16	10	18	16	20	25	32	29
Pressure drop flue gas side		Δt mbar	0,7	1,2	1,2	2,3	3,3	3,5	4,3	4,8	4,5	5,6	5,4	6	6,5	6,5	6,8
Flue gas flow-rate max	gas	kg/h	156	182	258	321	405	539	670	838	1005	1207	1376	1574	1774	2088	2474
	light oil	kg/h	161	186	264	329	415	553	687	860	1031	1238	1411	1615	1819	2142	2538
Net empty weight		kg	260	350	350	440	480	550	860	970	1250	1250	1420	1580	2250	2650	2850
Dimensions	A	mm	760	810	810	950	950	950	1060	1060	1260	1260	1260	1450	1530	1530	1530
	B	mm	764	1014	1264	1264	1514	1515	1516	1776	1776	2016	2016	2018	2320	2320	2520
	C	mm	856	911	911	1031	1031	1031	1181	1181	1331	1331	1331	1511	1661	1661	1661
	D	mm	165														
	E	mm	130	130	130	150	150	150	170	170	170	170	170	190	190	190	190
	F	mm	152	152	152	152	152	152	152	152	212	212	212	212	212	212	212
	G	mm	515	545	545	630	630	630	725	725	815	815	815	815	900	1013	1013
	H	mm	395	420	420	495	495	485	570	570	615	615	615	615	670	743	743
	I	mm	1046	1296	1516	1546	1816	1817	1838	2098	2158	2398	2398	2398	2420	2722	2722
	L	mm	100	100	100	100	100	100	100	100	100	100	100	100	90	120	120
	L1	mm	121	121	121	121	121	120	120	120	180	180	180	180	178	199	199
	M	mm	925	980	980	1100	1100	1100	1250	1250	1400	1400	1400	1580	1730	1730	1730
	N	mm	147	167	217	217	217	218	218	218	228	218	218	218	218	220	220
	O	mm	150	230	330	330	380	380	380	440	440	480	480	480	480	580	580
	P	mm	250	350	450	450	600	600	600	700	700	900	900	900	1100	1100	
Q	mm	700	750	750	890	890	890	1000	1000	1200	1200	1200	1200	1390	1470		
R	mm	740	990	1240	1240	1490	1491	1492	1752	1752	1992	1992	1994	2296	2296		
System flow	T1	DN	2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	80	80	100	100	100	125	150		
System return	T2	DN	2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	80	80	100	100	100	125	150		
Safety pipe connection	T3	DN	1 1/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	2	2	2 1/2	2 1/2	2 1/2	3	100		
Boiler drain	T4	DN	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	1 1/2		
Flues stack	T5	Ø mm	200	220	220	220	220	220	250	250	350	350	350	400	450		

IN CASE OF MATCHING WITH HEAVY OIL BURNER THE INDICATED HEAT OUTPUT HAS TO BE REDUCED AROUND 10%