TECHNICAL PARAMETERS		
Model	**GRETA 500**	**GRETA 600**
total high of element	579 mm	678 mm
width of element	80 mm	80 mm
depth	95 mm	80 mm
centre distance	500 mm	600 mm
water content of element	0,347 l	0,367 l
thermal power of element for ΔT=50 °C	114 W	131 W
thermal power of element for ΔT=60 °C	145 W	167 W
working temperature	95 °C	95 °C
max working pressure	1,6 MPa	1,6 MPa
test pressure	2,2 – 2,4 MPa	2,2 – 2,4 MPa

THERMAL POWER CHOICE TABLE [W]										
Of 10-elements aluminum radiator GRETA 500 (Research report nr 241/05/LA)										
ΔT/[^{0}C]	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
20	340	362	385	408	432	456	480	505	530	555
30	580	606	632	659	685	712	739	766	793	821
40	849	878	905	934	963	992	1022	1051	1081	1111
50	**1141**	1172	1202	1233	1264	1295	1326	**1357**	1389	1421
60	1452	1484	1517	1549	1582	1614	1647	1680	1714	1747
70	1781	1814	1848	1883	1917	1951	1985	2020	2055	2090

THERMAL POWER CHOICE TABLE [W]										
Of 10-elements aluminum radiator GRETA 600 (Research report nr 241/05/LA)										
ΔT/[^{0}C]	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
20	385	410	437	464	491	518	546	575	604	633
30	662	692	722	752	783	814	845	877	908	941
40	973	1005	1038	1071	1105	1138	1173	1207	1241	1276
50	**1311**	1346	1381	1417	1453	1489	1525	1562	1598	1636
60	1673	1710	1748	1785	1824	1862	1901	1939	1978	2016
70	2056	2095	2135	2174	2214	2255	2295	2336	2376	2417

An example for thermal power choice for aluminum radiator **GRETA 500**

Assumed: t_1 = 83 °C - t_1 – temperature of water inlet [°C]
t_2 = 67 °C - t_2 – temperature of water outlet [°C]
t_r = 18 °C - t_r – temperature of air in heated room [°C]

$\ddot{A}T = \frac{t_1 + t_2}{2} - t_r = \frac{83 + 67}{2} - 18 = 57°C$, for value ΔT = 57 °C thermal power found in table is **1357W**