































Heating Surfaces – Heat output

3. Recalculation

Nominal heat output is only an ideal case (measured in the calibrated test booth for nominal conditions).

Real case (design) means mainly different temperatures of inlet and outlet water, temperatures of air, position of radiator, connecting,...

$$\mathbf{Q} = \mathbf{Q}_N \cdot \mathbf{f}_{\Delta t} \cdot \mathbf{f}_x \cdot \mathbf{f}_o \cdot \mathbf{f}_p \cdot \dots$$

$f_{\Delta t}$	correction factor for temperature difference [-]
f_x	correction factor for connecting of radiator [-]
f_o	correction factor for change of environment [-]
f_{ρ}	correction factor for placing of radiator in the room [-]

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Heating Surfaces – Heat output															
Example 1:							65 / 55 / 20 °C Heat Loss = 680 W								
20	D°C	7:	[€] NOMINAL 25 ≥ 68	20 [<i>W</i>] 30 [<i>W</i>] Typ 10 Typ 10 V		72	25 W va	alid for	Тур 20 Тур 20 VK						
Délka L [mm]	t ₁ /t ₂		400				Výška H [mm]								
1100	90/70 75/65 70/55 55/45	- 300	400	718 565 457 290	841 664 538 343	900 1222 963 778 493	768 604 488 308	990 779 629 398	1199 944 763 483	1400 1102 891 564	1951 1533 1237 781	1168 922 746 474	1364 1076 871 553		
1200	90/70 75/65 70/55 55/45 90/70			783 617 499 316 913	(725) 374	1333 1050 849 538	837 659 532 336 977	1080 850 686 434	1308 1030 832 527	1527 1202 972 616	2128 1673 1350 852 2483	1275 1006 814 518	1488 1174 950 604		
1400	75/65 70/55 55/45			720 582 369	846 685 437	1225 990 628	769 621 392	991 801 507	1201 970 614	1403 1134 718	1952 1575 994	1173 950 604	1369 1108 704		
1600	90/70 75/65 70/55 55/45			1044 822 665 422	1224 966 783 499	1777 1400 1132 718	1117 878 709 449	1439 1133 915 579	1744 1373 1109 702	2036 1603 1296 821	2838 2230 1800 1136	1700 1341 1085 690	1984 1565 1266 805		
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Heating Surfaces – Heat output															
Example 1:							65 / 55 / 20 °C Heat Loss = 680 W								
20	D°C			Тур 10 Тур 10 V	ſΚ				Тур 20 Тур 20 VK						
Délka L [mm]	t ₁ /t ₂ [°C]	200	400	500	600	000	Výška 200	H [mm]	500	600	000	500	600		
1100	90/70 75/65 70/55 55/45	300	400	718 565 457 290	841 664 538 343	1222 963 778 493	768 604 488 308 837	990 779 629 398	1199 944 763 483	1400 1102 891 564	1951 1533 1237 781 2128	300 1168 922 746 474	1364 1076 871 553		
1200	75/65 70/55 55/45			617 499 316	725 587 374	1050 849 538	659 532 336	850 686 434	1030 832 527	1202 972 616	1673 1350 852	1006 814 518	1174 950 604		
1400	90/70 75/65 70/55 55/45			913 720 582 369	1071 846 685 437	1555 1225 990 628	977 769 621 392	1260 991 801 507	1526 1201 970 614	1781 1403 1134 718	2483 1952 1575 994	1487 1173 950 604	1736 1369 1108 704		
1600	90/70 75/65 70/55 55/45			1044 822 665 422	1224 966 783 499	1777 1400 1132 718	1117 878 709 449	1439 1133 915 579	1744 1373 1109 702	2036 1603 1296 821	2838 2230 1800 1136	1700 1341 1085 690	1984 1565 1266 805		
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