

## Calculation of heat losses in the heating network

<b>Nº section</b>	<b>DN mm</b>	<b>tw °C</b>	<b>Place and type of laying</b>	<b>k supp.</b>	<b>b PU</b>	<b>Working hours</b>	<b>L section m</b>	<b>q W/m</b>	<b>Losses W</b>
1	32	90	steel on movable supports, outside	1.2	1	< 5000	10	27	324
2	40	90	steel on suspended supports, outside	1.05	1	< 5000	20	30	630
3	50	90	non-metallic pipeline, outside	1.7	1	< 5000	30	33	1683
4	65	90	steel on movable supports, outside	1.2	1	< 5000	40	37	1776
5	80	90	steel, channel laying	1.2	0.6	> 5000	50	52	1872
6	100	90	non-metal, channelless	1.7	0.6	> 5000	60	100	6120
7	125	90	non-metal, channel laying	1.7	1	> 5000	70	60	7140
8	150	90	steel, channelless	1.15	1	> 5000	80	123	11316

**Sum of heat losses from all areas (for one hour):**

**30861 W**