



## Heat output table LD-03

System performance with S.R.T. deck and floor finish resistances ranging from R=0.00 – 0.15 m<sup>2</sup> K/W

Mean water temp.	Room-temp.	Pipe centres 15.5 cm		Pipe centres 15.5 cm		Pipe centres 15.5 cm		Pipe centres 15.5 cm	
		S.R.T. R=0,00 m <sup>2</sup> K/W		S.R.T. R=0,05 m <sup>2</sup> K/W		S.R.T. R=0,10 m <sup>2</sup> K/W		S.R.T. R=0,15 m <sup>2</sup> K/W	
		20 mm	Surface temp.	20 mm	Surface temp.	20 mm	Surface temp.	20 mm	Surface temp.
θ <sub>m</sub>	θ <sub>i</sub>		θ <sub>F</sub>		θ <sub>F</sub>		θ <sub>F</sub>		θ <sub>F</sub>
°C	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C
30	15	78.5	22.2	57.0	20.4	44.8	19.3	37.0	18.6
30	18	59.1	23.6	42.9	22.2	33.7	21.3	27.9	20.8
30	20	45.9	24.4	33.3	23.3	26.2	22.7	21.7	22.2
30	22	32.5	25.2	23.6	24.4	18.5	23.9	15.3	23.6
30	24	27.6	26.8	20.0	26.1	15.7	25.7	13.0	25.4
35	15	110.7	24.9	80.3	22.4	63.1	20.9	52.2	20.0
35	18	91.4	26.3	66.3	24.2	52.1	23.0	43.1	22.2
35	20	78.5	27.2	57.0	25.4	44.8	24.3	37.0	23.6
35	22	65.6	28.1	47.6	26.6	37.4	25.7	30.9	25.1
35	24	52.5	29.0	38.1	27.7	29.9	27.0	24.8	26.5
40	15	142.7	27.4	103.5	24.3	81.3	22.5	67.3	21.3
40	18	123.5	28.9	89.6	26.1	70.4	24.5	58.2	23.5
40	20	110.7	29.9	80.3	27.4	63.1	25.9	52.2	25.0
40	22	97.9	30.8	71.0	28.6	55.8	27.3	46.1	26.4
40	24	85.0	31.8	61.7	29.8	48.4	28.6	40.1	27.9
45	15	174.7	30.0	126.7	26.2	99.5	24.0	82.4	22.5
45	18	155.5	31.5	112.8	28.0	88.6	26.1	73.3	24.8
45	20	142.7	32.4	103.5	29.3	81.3	27.5	67.3	26.3
45	22	129.9	33.4	94.3	30.5	74.0	28.8	61.3	27.8
45	24	117.1	34.4	85.0	31.8	66.7	30.2	55.2	29.2
50	15	175.0	30.0	149.9	28.0	117.7	25.4	97.4	23.8
50	18	175.0	33.0	136.0	29.9	106.8	27.6	88.4	26.0
50	20	174.7	35.0	126.7	31.2	99.5	29.0	82.4	27.5
50	22	161.9	36.0	117.5	32.4	92.3	30.4	76.3	29.0
50	24	149.1	37.0	108.2	33.7	85.0	31.8	70.3	30.5
55	15	175.0	30.0	173.0	29.8	135.9	26.9	112.5	25.0
55	18	175.0	33.0	159.1	31.7	125.0	29.0	103.4	27.3
55	20	175.0	35.0	149.9	33.0	117.7	30.4	97.4	28.8
55	22	175.0	37.0	140.6	34.3	110.5	31.9	91.4	30.3
55	24	175.0	39.0	131.4	35.5	103.2	33.3	85.4	31.8

Maximum surface temperatures BS EN 1264

Room perimeter =< 1m 35°C

Occupied area 29°C

Bathrooms 33°C