

Output table

JUPITER Underfloor heating System IDEAL

EZ - 125mm pipe centres
CZ - 250mm pipe centres
MIX - combined output

20 mm Screed Replacement Tile

Mean water temp.	Room temp.	EZ 12,5 cm		CZ 25 cm		MIX 20 cm		EZ 12,5 cm		CZ 25 cm		MIX 20 cm	
		S.R.T. R=0,00 m²K/W	Surface temp.	S.R.T. R=0,00 m²K/W	Surface temp.	S.R.T. R=0,00 m²K/W	Surface temp.	S.R.T. R=0,05 m²K/W	Surface temp.	S.R.T. R=0,05 m²K/W	Surface temp.	S.R.T. R=0,05 m²K/W	Surface temp.
θ_m	θ_i	20 mm	θ_F	20 mm	θ_F	20 mm	θ_F	20 mm	θ_F	20 mm	θ_F	20 mm	θ_F
°C	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C
30	15	100.6	24.0	76.5	22.1	84.3	22.7	71.9	21.7	57.8	20.5	62.4	20.9
30	18	80.1	25.3	60.9	23.7	67.0	24.3	57.2	23.4	46.0	22.4	49.7	22.8
30	20	66.3	26.2	50.4	24.8	55.5	25.3	47.4	24.6	38.1	23.7	41.1	24.0
30	22	52.3	27.0	39.8	25.9	43.8	26.3	37.4	25.7	30.1	25.0	32.5	25.2
30	24	38.1	27.7	29.0	26.9	32.0	27.2	27.3	26.8	21.9	26.3	23.7	26.4
35	15	134.7	26.8	102.5	24.2	112.8	25.0	96.3	23.7	77.4	22.1	83.6	22.6
35	18	114.3	28.2	86.9	25.9	95.7	26.6	81.7	25.5	65.7	24.1	70.9	24.6
35	20	100.6	29.0	76.5	27.1	84.3	27.7	71.9	26.7	57.8	25.5	62.4	25.9
35	22	86.9	29.9	66.1	28.2	72.8	28.7	62.1	27.8	49.9	26.8	53.9	27.1
35	24	73.2	30.8	55.7	29.3	61.3	29.8	52.3	29.0	42.0	28.1	45.4	28.4
40	15	168.7	29.5	128.3	26.3	141.3	27.3	120.6	25.7	96.9	23.7	104.7	24.4
40	18	148.3	30.9	112.8	28.0	124.2	29.0	106.0	27.5	85.2	25.8	92.0	26.3
40	20	134.7	31.8	102.5	29.2	112.8	30.0	96.3	28.7	77.4	27.1	83.6	27.6
40	22	121.1	32.7	92.1	30.3	101.4	31.1	86.6	29.9	69.6	28.5	75.1	28.9
40	24	107.4	33.6	81.7	31.5	90.0	32.2	76.8	31.1	61.7	29.8	66.7	30.2
45	15	202.6	32.1	154.1	28.3	169.7	29.6	144.9	27.6	116.4	25.3	125.8	26.1
45	18	182.3	33.5	138.7	30.1	152.7	31.2	130.3	29.4	104.7	27.4	113.1	28.1
45	20	168.7	34.5	128.3	31.3	141.3	32.3	120.6	30.7	96.9	28.7	104.7	29.4
45	22	155.1	35.4	118.0	32.5	129.9	33.4	110.9	31.9	89.1	30.1	96.3	30.7
45	24	141.5	36.3	107.6	33.6	118.5	34.5	101.2	33.1	81.3	31.5	87.8	32.0
50	15	236.5	34.7	179.9	30.3	198.1	31.7	169.1	29.5	135.9	26.9	146.8	27.8
50	18	216.2	36.1	164.5	32.1	181.1	33.4	154.6	31.4	124.2	29.0	134.2	29.8
50	20	202.6	37.1	154.1	33.3	169.7	34.6	144.9	32.6	116.4	30.3	125.8	31.1
50	22	189.1	38.1	143.8	34.5	158.3	35.7	135.2	33.8	108.6	31.7	117.3	32.4
50	24	175.5	39.0	133.5	35.7	147.0	36.8	125.5	35.1	100.8	33.1	108.9	33.7
55	15	270.4	37.2	205.7	32.3	226.5	33.9	193.3	31.4	155.4	28.4	167.9	29.4
55	18	250.1	38.7	190.3	34.1	209.5	35.6	178.8	33.3	143.7	30.5	155.2	31.4
55	20	236.5	39.7	179.9	35.3	198.1	36.7	169.1	34.5	135.9	31.9	146.8	32.8
55	22	223.0	40.7	169.6	36.5	186.8	37.9	159.4	35.7	128.1	33.3	138.4	34.1
55	24	209.4	41.6	159.3	37.7	175.4	39.0	149.7	37.0	120.3	34.6	130.0	35.4

JUPITER Heating Systems Ltd
Pennypot Lane
Chobham
Surrey, GU24 8DJ

Edge zone 1, 00 m: 35 °C
Central Zone: 29 °C
Bathrooms: 33 °C

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Mean water temp.	Room-temp.	EZ 12,5 cm			CZ 25 cm			MIX 20 cm			EZ 12,5 cm			CZ 25 cm			MIX 20 cm		
		S.R.T. R=0,10 m²K/W		Surface temp.	S.R.T. R=0,10 m²K/W		Surface temp.	S.R.T. R=0,10 m²K/W		Surface temp.	S.R.T. R=0,15 m²K/W		Surface temp.	S.R.T. R=0,15 m²K/W		Surface temp.	S.R.T. R=0,15 m²K/W		Surface temp.
		20 mm	θ _F		20 mm	θ _F		20 mm	θ _F		20 mm	θ _F		20 mm	θ _F		20 mm	θ _F	
θ _m	θ _i	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C
30	15	56.0	20.3	46.5	19.5	49.7	19.8	45.9	19.4	38.9	18.8	40.5	19.0						
30	18	44.6	22.3	37.0	21.6	39.6	21.9	36.5	21.6	31.0	21.1	32.2	21.2						
30	20	36.9	23.6	30.6	23.1	32.8	23.3	30.2	23.0	25.6	22.6	26.7	22.7						
30	22	29.2	24.9	24.2	24.5	25.9	24.6	23.9	24.4	20.3	24.1	21.1	24.2						
30	24	21.2	26.2	17.6	25.9	18.9	26.0	17.4	25.8	14.8	25.6	15.3	25.6						
35	15	75.0	21.9	62.3	20.8	66.6	21.2	61.5	20.8	52.1	20.0	54.2	20.2						
35	18	63.6	24.0	52.8	23.0	56.5	23.4	52.1	23.0	44.2	22.3	46.0	22.4						
35	20	56.0	25.3	46.5	24.5	49.7	24.8	45.9	24.4	38.9	23.8	40.5	24.0						
35	22	48.4	26.7	40.2	25.9	43.0	26.2	39.7	25.9	33.6	25.3	35.0	25.5						
35	24	40.7	28.0	33.8	27.4	36.2	27.6	33.4	27.3	28.3	26.9	29.4	27.0						
40	15	93.9	23.5	78.0	22.2	83.4	22.6	77.0	22.1	65.3	21.1	67.8	21.3						
40	18	82.6	25.6	68.6	24.4	73.3	24.8	67.7	24.3	57.4	23.4	59.6	23.6						
40	20	75.0	26.9	62.3	25.8	66.6	26.2	61.5	25.8	52.1	25.0	54.2	25.2						
40	22	67.4	28.3	56.0	27.3	59.9	27.6	55.3	27.2	46.9	26.5	48.7	26.7						
40	24	59.8	29.6	49.7	28.8	53.1	29.1	49.0	28.7	41.6	28.1	43.2	28.2						
45	15	112.8	25.0	93.7	23.5	100.2	24.0	92.5	23.4	78.4	22.2	81.5	22.5						
45	18	101.5	27.1	84.3	25.7	90.1	26.2	83.2	25.6	70.5	24.6	73.3	24.8						
45	20	93.9	28.5	78.0	27.2	83.4	27.6	77.0	27.1	65.3	26.1	67.8	26.3						
45	22	86.4	29.9	71.7	28.6	76.7	29.1	70.8	28.6	60.0	27.7	62.4	27.9						
45	24	78.8	31.2	65.4	30.1	70.0	30.5	64.6	30.0	54.8	29.2	56.9	29.4						
50	15	131.7	26.6	109.4	24.8	116.9	25.4	108.0	24.6	91.5	23.3	95.1	23.6						
50	18	120.4	28.7	100.0	27.0	106.9	27.6	98.7	26.9	83.7	25.7	87.0	25.9						
50	20	112.8	30.0	93.7	28.5	100.2	29.0	92.5	28.4	78.4	27.2	81.5	27.5						
50	22	105.3	31.4	87.4	30.0	93.5	30.5	86.3	29.9	73.2	28.8	76.0	29.0						
50	24	97.7	32.8	81.1	31.4	86.8	31.9	80.1	31.4	67.9	30.3	70.6	30.6						
55	15	150.6	28.1	125.0	26.0	133.7	26.7	123.4	25.9	104.7	24.4	108.8	24.7						
55	18	139.3	30.2	115.6	28.3	123.7	28.9	114.2	28.1	96.8	26.7	100.6	27.0						
55	20	131.7	31.6	109.4	29.8	116.9	30.4	108.0	29.6	91.5	28.3	95.1	28.6						
55	22	124.2	33.0	103.1	31.2	110.2	31.8	101.8	31.1	86.3	29.9	89.7	30.1						
55	24	116.6	34.3	96.8	32.7	103.5	33.3	95.6	32.6	81.0	31.4	84.2	31.7						

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