

Output table

JUPITER Underfloor Heating System IDEAL

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

25 mm Fermacell

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		EZ 12,5 cm	
		Fermacell R=0,00 m ² K/W	Surface temp.	Fermacell R=0,00 m ² K/W	Surface temp.	Fermacell R=0,00 m ² K/W	Surface temp.	Fermacell R=0,05 m ² K/W	Surface temp.	Fermacell R=0,05 m ² K/W	Surface temp.	Fermacell R=0,05 m ² K/W	Surface temp.	Fermacell R=0,10 m ² K/W	Surface temp.
		25 mm	θ _F	25 mm	θ _F	25 mm	θ _F	25 mm	θ _F	25 mm	θ _F	25 mm	θ _F	25 mm	θ _F
θ _m	θ _i	W/m ²	°C	W/m ²	°C	W/m ²	°C	W/m ²	°C	W/m ²	°C	W/m ²	°C	W/m ²	°C
30	15	67.5	21.3	52.6	20.0	57.8	20.5	53.2	20.1	43.1	19.2	46.8	19.5	44.0	44.0
30	18	53.7	23.1	41.9	22.1	46.0	22.4	42.3	22.1	34.3	21.4	37.2	21.7	35.0	35.0
30	20	44.4	24.3	34.6	23.4	38.1	23.7	35.0	23.5	28.4	22.9	30.8	23.1	29.0	29.0
30	22	35.1	25.5	27.4	24.8	30.1	25.0	34.9	25.5	22.4	24.3	24.4	24.5	24.5	22.9
30	24	25.6	26.6	19.9	26.1	21.9	26.3	20.2	26.1	16.3	25.7	17.8	25.9	16.7	16.7
35	15	90.3	23.2	70.4	21.5	77.4	22.1	71.2	21.6	57.7	20.5	62.7	20.9	58.9	58.9
35	18	76.6	25.1	59.7	23.6	65.7	24.1	60.4	23.7	48.9	22.7	53.2	23.1	50.0	50.0
35	20	67.5	26.3	52.6	25.0	57.8	25.5	53.2	25.1	43.1	24.2	46.8	24.5	44.0	44.0
35	22	58.3	27.5	45.4	26.4	49.9	26.8	46.0	26.4	37.2	25.7	40.4	26.0	38.0	38.0
35	24	49.1	28.7	38.3	27.8	42.0	28.1	38.7	27.8	31.3	27.1	34.0	27.4	32.0	32.0
40	15	113.1	25.1	88.2	23.0	96.9	23.7	89.2	23.1	72.3	21.7	78.5	22.2	73.8	73.8
40	18	99.4	27.0	77.5	25.1	85.2	25.8	78.4	25.2	63.5	24.0	69.0	24.4	64.8	64.8
40	20	90.3	28.2	70.4	26.5	77.4	27.1	71.2	26.6	57.7	25.5	62.7	25.9	58.9	58.9
40	22	81.2	29.4	63.3	27.9	69.6	28.5	64.0	28.0	51.9	27.0	56.3	27.3	52.9	52.9
40	24	72.0	30.7	56.2	29.3	61.7	29.8	56.8	29.4	46.0	28.4	50.0	28.8	47.0	47.0
45	15	135.9	26.9	106.0	24.5	116.4	25.3	107.2	24.6	86.8	22.9	94.3	23.5	88.6	88.6
45	18	122.2	28.8	95.3	26.6	104.7	27.4	96.4	26.7	78.1	25.2	84.8	25.7	79.7	79.7
45	20	113.1	30.1	88.2	28.0	96.9	28.7	89.2	28.1	72.3	26.7	78.5	27.2	73.8	73.8
45	22	104.0	31.3	81.1	29.4	89.1	30.1	82.0	29.5	66.4	28.2	72.2	28.7	67.8	67.8
45	24	94.9	32.6	74.0	30.8	81.3	31.5	74.8	30.9	60.6	29.7	65.8	30.2	61.9	61.9
50	15	158.6	28.7	123.7	25.9	135.9	26.9	125.1	26.0	101.3	24.1	110.1	24.8	103.4	103.4
50	18	145.0	30.6	113.0	28.1	124.2	29.0	114.3	28.2	92.6	26.4	100.6	27.0	94.5	94.5
50	20	135.9	31.9	106.0	29.5	116.4	30.3	107.2	29.6	86.8	27.9	94.3	28.5	88.6	88.6
50	22	126.8	33.2	98.9	30.9	108.6	31.7	100.0	31.0	81.0	29.4	88.0	30.0	82.7	82.7
50	24	117.7	34.4	91.8	32.3	100.8	33.1	92.8	32.4	75.2	30.9	81.6	31.5	76.7	76.7
55	15	181.4	30.5	141.4	27.3	155.4	28.4	143.0	27.5	115.8	25.3	125.8	26.1	118.2	118.2
55	18	167.7	32.4	130.8	29.5	143.7	30.5	132.3	29.6	107.1	27.6	116.4	28.3	109.4	109.4
55	20	158.6	33.7	123.7	30.9	135.9	31.9	125.1	31.0	101.3	29.1	110.1	29.8	103.4	103.4
55	22	149.5	35.0	116.6	32.3	128.1	33.3	117.9	32.5	95.5	30.6	103.8	31.3	97.5	97.5
55	24	140.4	36.3	109.5	33.8	120.3	34.6	110.7	33.9	89.7	32.2	97.4	32.8	91.6	91.6

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

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

Output table

JUPITER Underfloor Heating System IDEAL

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

25 mm Fermacell

Mean water temp.	Room temp.	Surface temp.	CZ 25 cm			MIX 20 cm			EZ 12,5 cm			CZ 25 cm			MIX 20 cm		
			Fermacell R=0,10 m²K/W			Fermacell R=0,10 m²K/W			Fermacell R=0,15 m²K/W			Fermacell R=0,15 m²K/W			Fermacell R=0,15 m²K/W		
			25 mm	Surface temp.	Surface temp.	25 mm	Surface temp.	Surface temp.	25 mm	Surface temp.	Surface temp.	25 mm	Surface temp.	Surface temp.	25 mm	Surface temp.	Surface temp.
θ_m	θ_i	θ_f	θ_f	θ_f	θ_f	θ_f	θ_f	θ_f	θ_f	θ_f	θ_f	θ_f	θ_f	θ_f	θ_f		
°C	°C	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	W/m2	°C	
30	15	19.3	36.6	18.6	39.2	18.8	37.6	18.7	31.7	18.2	33.9	18.4					
30	18	21.5	29.1	20.9	31.2	21.1	29.9	21.0	25.2	20.6	27.0	20.7					
30	20	22.9	24.1	22.5	25.8	22.6	24.8	22.5	20.8	22.2	22.3	22.3					
30	22	24.4	19.0	24.0	20.4	24.1	19.6	24.0	16.5	23.7	17.6	23.9					
30	24	25.8	13.9	25.5	14.9	25.6	14.3	25.5	12.0	25.3	12.8	25.4					
35	15	20.6	48.9	19.7	52.5	20.0	50.3	19.8	42.4	19.1	45.4	19.4					
35	18	22.8	41.5	22.0	44.6	22.3	42.7	22.2	35.9	21.5	38.5	21.8					
35	20	24.3	36.6	23.6	39.2	23.8	37.6	23.7	31.7	23.2	33.9	23.4					
35	22	25.7	31.6	25.2	33.9	25.4	32.5	25.2	27.3	24.8	29.3	24.9					
35	24	27.2	26.6	26.7	28.5	26.9	27.3	26.8	23.0	26.4	24.6	26.5					
40	15	21.8	61.3	20.8	65.8	21.1	63.0	20.9	53.1	20.1	56.8	20.4					
40	18	24.1	53.9	23.1	57.8	23.5	55.4	23.3	46.7	22.5	49.9	22.8					
40	20	25.6	48.9	24.7	52.5	25.0	50.3	24.8	42.4	24.1	45.4	24.4					
40	22	27.0	44.0	26.3	47.2	26.5	45.2	26.4	38.1	25.7	40.8	26.0					
40	24	28.5	39.0	27.8	41.9	28.1	40.1	27.9	33.8	27.4	36.2	27.6					
45	15	23.1	73.6	21.8	79.0	22.3	75.7	22.0	63.8	21.0	68.2	21.4					
45	18	25.3	66.2	24.2	71.1	24.6	68.1	24.3	57.3	23.4	61.4	23.8					
45	20	26.8	61.3	25.8	65.8	26.1	63.0	25.9	53.1	25.1	56.8	25.4					
45	22	28.3	56.4	27.3	60.5	27.7	58.0	27.5	48.8	26.7	52.2	27.0					
45	24	29.8	51.4	28.9	55.2	29.2	52.9	29.0	44.5	28.3	47.7	28.6					
50	15	24.3	86.0	22.8	92.2	23.4	88.4	23.0	74.4	21.9	79.7	22.3					
50	18	26.5	78.6	25.2	84.3	25.7	80.8	25.4	68.0	24.3	72.8	24.7					
50	20	28.1	73.6	26.8	79.0	27.3	75.7	27.0	63.8	26.0	68.2	26.4					
50	22	29.6	68.7	28.4	73.7	28.8	70.7	28.6	59.5	27.6	63.7	28.0					
50	24	31.1	63.8	30.0	68.4	30.4	65.6	30.1	55.2	29.2	59.1	29.6					
55	15	25.5	98.3	23.9	105.5	24.4	101.1	24.1	85.1	22.8	91.1	23.3					
55	18	27.8	90.9	26.2	97.5	26.8	93.5	26.5	78.7	25.2	84.2	25.7					
55	20	29.3	86.0	27.8	92.2	28.4	88.4	28.0	74.4	26.9	79.7	27.3					
55	22	30.8	81.0	29.4	87.0	29.9	83.3	29.6	70.2	28.5	75.1	28.9					
55	24	32.3	76.1	31.0	81.7	31.5	78.3	31.2	65.9	30.2	70.5	30.6					

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