



the layout plan is completely designed according to your wishes

Room information

supply temperature °C	40
screed thickness mm	50
λ screed (type of screed) W/mK	1,2
diameter tube	18

Room	C/C mm	T room °C	floor cov.	T return °C	Surf. m²	Circ. m	Capacity W/m²	Capacity W	T floor average °C
Storage	150	15	Tiled floor	32	9,3	14,2	118	1093	25,4
Bedroom 1	100	18	Laminate	32	22,1	18,9	70	1552	24,5
Bedroom 2	150	18	Tiled floor	32	24,2	19,8	100	2426	27,0
Corridor 1	100	18	Tiled floor	32	20,3	37,2	116	2354	28,3
Kitchen	100	20	Tiled floor	32	43,3	50	103	4443	29,2
Living room	100	20	Laminate	32	50,6	30,4	62	3145	25,8
Entrance/Toilet	100	18	Tiled floor	32	21,4	27,6	116	2482	28,3
Corridor 2	100	18	Tiled floor	32	11,7	17,6	116	1357	28,3
Corridor 3	100	20	Tiled floor	32	15,2	24	103	1560	29,2
Bathroom	100	22	Tiled floor	32	24,5	31	89	2185	30,1
Bedroom 3	100	18	Laminate	32	22,5	19,2	70	1581	24,5
					265,1	289,9		24.177	

Materials information

quan.	unit	name
1	piece	manifold 12 group
2	pieces	manifold 9 group
30	pieces	connection set
6	rolls	tube 18x2 500 metres
266	m2	floor isolation
290	m	edge isolation
97	pieces	steel mesh mats 10 cm
14	pieces	steel mesh mats 15 cm
16	boxes	500 pieces mesh binders

your own material indications including article numbers here

Manifold information

Manifold 1	1	2	3	4	5	6	7	8	9	total
Group number	1	2	3	4	5	6	7	8	9	
Hart to hart distance mm	100	100	100	100	100	100	100	100	100	
Tube length m	85	80	76	71	80	83	89	83	101	748
Capacity W	597	562	534	499	821	740	794	740	1.171	6.458
Flow l / min	1,08	1,02	0,96	0,90	1,48	1,34	1,43	1,34	2,12	11,67
Pressure loss Pa	1.288	1.138	1.026	894	3.086	2.356	3.090	2.356	8.066	

Manifold 2	1	2	3	4	5	6	7	8	9	10	11	12	total
Group number	1	2	3	4	5	6	7	8	9	10	11	12	
Hart to hart distance mm	100	100	100	100	100	100	100	100	100	100	100	100	
Tube length m	77	82	99	89	101	84	102	88	94	107	105	107	1.135
Capacity W	893	951	615	553	628	522	634	547	964	1.098	1.077	1.098	9.581
Flow l / min	1,61	1,72	1,11	1,00	1,13	0,94	1,15	0,99	1,74	1,98	1,95	1,98	17,31
Pressure loss Pa	3.815	4.621	1.614	1.235	1.744	1.098	1.813	1.207	5.391	7.628	7.251	7.628	

Manifold 3	1	2	3	4	5	6	7	8	9	total
Group number	1	2	3	4	5	6	7	8	9	
Hart to hart distance mm	150	150	150	100	100	100	100	150	150	
Tube length m	69	64	66	64	80	80	88	77	85	673
Capacity W	1.038	963	993	450	562	562	618	1.357	1.498	8.040
Flow l / min	1,87	1,74	1,79	0,81	1,02	1,02	1,12	2,45	2,71	14,51
Pressure loss Pa	4.469	3.655	3.967	724	1.138	1.138	1.466	7.901	10.325	

your own framework and company logo or that of your customer here

Revision B:

Revision A:

Fase:

Format: A3 **Scale:** 1:100

Project number: **Date:** 18 januari 2014

Project: Villa

Drawn by:

theFloorheater.eu
for a professional layout plan

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