

Incapere	C
Camere	22
Baie	24
Bucatarie	20
Hol	18
Spatii tehnice	15
Showroom	20

Incapere	Ap	Qi	Qp	Rp		Cm	ms	ns	Qi
Sala expozitie	184.54	20	8	0.6	3690.8	1	0.48	1.68	20
Sala calculatoare 2	87.42	20	8	0.6	1748.4	1	0.48	1.68	20
Sala media	119.7	20	8	0.6	2394	1	0.48	1.68	20
Spf-Bucatarie1	9.02	20	9	0.6	165.3667	1	0.48	1.5	20
Spf-Hol	19.41	18	9	0.6	291.15	1	0.48	1.5	18
Spf-Bucatarie2	5.49	20	9	0.6	100.65	1	0.48	1.5	20
Spf-Bucatarie3	5.4	20	9	0.6	99	1	0.48	1.5	20
Spf-Baie	3.492	24	9	0.6	87.3	-	-	-	-
Spf-Hol3	5.3544	18	9	5.33908	9.025825	1	0.48	1.5	18
Atelier legatorie	39.61	18	8	0.6	660.1667	1	0.48	1.68	18
Sala calculatoare 1	42.92	20	8	0.6	858.4	1	0.48	1.68	20
Sala proiectii	46.205	20	8	0.6	924.1	1	0.48	1.68	20
Subsol4	39.6	15	9	5.33908	44.50205	1	0.48	1.5	15

Qe	Rbc	Abc		Qi	Qej	Abcj		Qs
-18	0.593	13.15	240.7613	-	-	-	-	3931.561
-18	0.593	7.2	131.8237	-	-	-	-	1880.224
-18	0.593	20.3	371.6695	-	-	-	-	2765.669
-18	0.665	3.31	60.52571	20	10	3.5	35.08772	267.3961
				20	18	3.2	6.41604	
-18	0.665	6.27	108.6171	-	-	-	-	399.7671
-18	0.665	6.5	118.8571	20	18	3.05	6.115288	225.6224
-18	0.665	6.6	120.6857	20	18	3	6.015038	225.7008
-	-	-	-	24	20	2.91	11.66917	
				24	18	1.2	7.218045	
				24	10	1.2	16.84211	
				24	18	2.91	17.50376	140.5331
-18	0.665	2.91	50.41083	18	10	1.84	14.75689	74.19354
-18	0.593	7.8	135.2927	-	-	-	-	795.4594
-18	0.593	5.4	98.86774	-	-	-	-	957.2677
-18	0.593	5.85	107.1067	-	-	-	-	1031.207
-18	0.665	15.05	238.9895	-	-	-	-	283.4915

td= 75 Δtn= 50
 tî= 65

Dimensionarea suprafetelor de schimb termic Parter

Casa

Denumire inc.	Temp interioara	Δt	Qnec	Tip corp incalzire	Corpuri			ch	c4(cr)	c5(cf)	C _t *C _m *C _{h*c4*c5}
					qn	ct	cm				
[-]	[°C]	[°C]	[W]	[-]	[W/m]	[-]	[-]	[-]	[-]	[-]	[-]
Atelier legatorie	12	58	2144.00	Tip 22	1196	1.224	1	1	1	1	1.224
Sala calculatoare 1	20	50	2122.00	Tip 33	2197	1.000	1	1	1	1	1.000
Sala proiectii	20	50	2312.00	Tip 22	2393	1.000	1	1	1	1	1.000
Sala expozitie	20	50	8476.00	Tip 33	4241	1.000	1	1	1	1	1.000
Sala calculatoare 2	20	50	4600.00	Tip 33	4712	1.000	1	1	1	1	1.000
Sala media	20	50	6133.00	Tip 22	2051	1.000	1	1	1	1	1.000
Sala imprumut	20	50	2936.00	Tip 22	1538	1.000	1	1	1	1	1.000
Coridor 1	18	52	1089.00	Tip 22	1196	1.055	0.91	1	1	1	0.960
Coridor 2	18	52	3892.00	Tip 33	4241	1.055	1	1	1	1	1.055
Sala legatorie	20	50	4442.00	Tip 33	4712	1.000	1	1	1	1	1.000
Grup sanitar 1	15	55	178.00	Tip 11	258	1.138	0.91	1	1	1	1.036
Grup sanitar 2	15	55	229.00	Tip 11	258	1.138	0.91	1	1	1	1.036
Windfang	12	58	565.00	Tip 11	509	1.224	1	1	1	1	1.224

η	Q _{inst}	Q _{inst}		
	[W]	[kcal/h]		
1.465	2927.01	2516.77	2x700/600	Compact
0.966	2197.00	1889.08	900/550	Compact
0.966	2393.00	2057.61	1400/600	Compact
1.999	8482.00	7293.21	2x1800/600	Compact
0.976	4712.00	4051.59	2000/600	Compact
2.990	6153.00	5290.63	3x1200/600	Compact
1.909	3076.00	2644.88	2x900/600	Compact
0.949	1147.99	987.09	700/600	Compact
0.870	4473.36	3846.40	1800/600	Compact
0.943	4712.00	4051.59	2000/600	Compact
0.666	267.27	229.81	500/300	Planora
0.857	267.27	229.81	500/300	Planora
0.907	622.85	535.55	500/600	Compact

Calcul hidraulic

Denumire inc.	Q instalat			l	d	w	R	$\Sigma\xi$	Z	R*I
	[W]	[kcal/h]	[kg/h]	[m]	[mm]	[m/s]	[Pa/m]	[-]	[Pa]	[Pa]
1.1	4712	4052.32	202.616	12	15x1	0.44	200	13.5	1350	2400
1.2	8953	7699.58	384.979	12.4	18x1	0.56	240	8.2	1230	2976
1.3	13194	11346.84	567.342	17	22x1	0.52	160	11	1430	2720
1.4	15587	13404.82	670.241	13	22x1	0.62	220	2.6	468	2860
1.5	17784	15294.24	764.712	13	22x1	0.7	260	2.6	637	3380
1.6	18980	16322.8	816.14	9.6	28x1.5	0.48	100	6.8	748	960
1.7	20176	17351.36	867.568	5	28x1.5	0.52	120	7.8	975	600
2.1	2051	1763.86	88.193	15.2	15x1	0.19	50	19.1	343.8	760
2.2	4102	3527.72	176.386	14	15x1	0.38	155	13.8	1035	2170
2.3	6153	5291.58	264.579	18	18x1	0.38	120	18	1350	2160
2.4	7691	6614.26	330.713	10	18x1	0.47	170	9.6	1104	1700
2.5	9229	7936.94	396.847	24	18x1	0.56	240	8.2	1271	5760
2.6	10425	8965.5	448.275	16	22x1	0.4	100	6.8	544	1600
2.7	14666	12612.76	630.638	7.4	22x1	0.57	190	5.4	891	1406
2.8	15182	13056.52	652.826	14	22x1	0.59	200	5.4	972	2800
2.9	19894	17108.84	855.442	12	28x1.5	0.5	110	9.6	1200	1320

R^*I+Z	$\Sigma(R^*I+Z)$
[Pa]	[Pa]
3750	3750
4206	7956
4150	12106
3328	15434
4017	19451
1708	21159
1575	22734
1103.8	1103.8
3205	4308.8
3510	7818.8
2804	10622.8
7031	17653.8
2144	19797.8
2297	22094.8
3772	25866.8
2520	28386.8
