

Heating degree hours:

76,7	
Transmission losses	Heat gains solar radiation
kWh/a	kWh/a
48125	9791
51114	13367
62735	36004
63290	15874
0	0
225264	75036

0,77	0,28	1247,78	2,35	628,68
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14-09-30-PHPP_CS10_SectorsAB&C.xls

					Window rough openings		installed in	Glazing	Frame	g-Value	U-Value		Ψ Glazing edge	Installation situation user-defined value for Ψ _{transluc} OR '1': Ψ _{transluc} from worksheet 'Components' '0': in the case of abutting windows				Results U- and Ψ-values from 'Components' worksheet can be shown through clicking the '+' sign on the top edge of the sheet.						
Quant ity	Description	Deviation from North	Angle of inclination from the horizontal	Orientation	Width	Height	Selection from worksheet 'Areas'	Selection from worksheet 'Components'	Selection from worksheet 'Components'	Perpen- dicular Radiation	Glazing	Frames (centre)	Ψ _{space} (centre)	left	right	bottom	above	Ψ _{installation} (Average)	Window Area	Glazing Area	U-Value Window	Glazed fraction per window	Trans- mission- losses	Solar gains
		Degrees	Degrees		m	m		Sort: AS LIST	Sort: AS LIST	-	W/(m²K)	W/(m²K)	W/(mK)	W/(mK) or 1/0				W/(mK)	m²	m²	W/(m²K)	%	kWh/a	kWh/a
2	S2/Type 8 Level	0	90	North	1,175	0,400	2-Section 2 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	0,9	0,21	2,16	23%	156	13
2	S2/Type 8 Level	0	90	North	0,800	1,600	2-Section 2 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	2,6	1,37	2,38	54%	467	89
2	S2/Type 8 Level	0	90	North	0,750	1,600	2-Section 2 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	2,4	1,24	2,31	52%	426	80
2	S2/Type 8 Level	0	90	North	0,800	1,600	2-Section 2 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	2,6	1,37	2,38	54%	467	89
10	S2/Type 8 Level	180	90	South	1,175	0,400	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	4,7	1,07	2,16	23%	778	222
10	S2/Type 8 Level	180	90	South	1,175	0,400	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	4,7	1,07	2,16	23%	778	222
10	S2/Type 8 Level	180	90	South	0,800	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	12,8	6,86	2,38	54%	2336	1420
10	S2/Type 8 Level	180	90	South	0,750	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	12,0	6,20	2,31	52%	2128	1284
10	S2/Type 8 Level	180	90	South	0,800	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	12,8	6,86	2,38	54%	2336	1420
1	S2/Type 8 Level	180	90	South	1,175	0,400	5-Section 2 South fasade 2	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	0,5	0,11	2,16	23%	78	22
1	S2/Type 8 Level	180	90	South	1,175	0,400	5-Section 2 South fasade 2	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	0,5	0,11	2,16	23%	78	22
1	S2/Type 8 Level	180	90	South	0,800	1,600	5-Section 2 South fasade 2	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	1,3	0,69	2,38	54%	234	142
1	S2/Type 8 Level	180	90	South	0,750	1,600	5-Section 2 South fasade 2	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	1,2	0,62	2,31	52%	213	128
1	S2/Type 8 Level	180	90	South	0,800	1,600	5-Section 2 South fasade 2	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	1,3	0,69	2,38	54%	234	142
2	S2/Type 9	0	90	North	0,800	0,800	2-Section 2 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	1,3	0,54	2,29	42%	225	16
2	S2/Type 9	0	90	North	0,800	0,800	2-Section 2 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	1,3	0,54	2,29	42%	225	16
2	S2/Type 9	0	90	North	0,800	1,400	2-Section 2 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	0	0,040	2,2	1,16	2,34	52%	402	43
2	S2/Type 9	0	90	North	0,800	1,400	2-Section 2 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	0	0,040	2,2	1,16	2,34	52%	402	43
2	S2/Type 9	0	90	North	0,800	0,800	2-Section 2 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	1,3	0,54	2,29	42%	225	16
2	S2/Type 9	0	90	North	0,800	0,800	2-Section 2 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	1,3	0,54	2,29	42%	225	16
1	S2/Type 10	0	90	North	1,100	0,800	9-Section 2 socle - North	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	1	1	1	0,040	0,9	0,43	2,43	48%	164	27
3	S2/Type 8 Level	180	90	South	1,175	0,400	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	1,4	0,32	2,16	23%	233	67
3	S2/Type 8 Level	180	90	South	1,175	0,400	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	1,4	0,32	2,16	23%	233	67
3	S2/Type 8 Level	180	90	South	0,800	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	3,8	2,06	2,38	54%	701	426
3	S2/Type 8 Level	180	90	South	0,750	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	3,6	1,86	2,31	52%	638	385
3	S2/Type 8 Level	180	90	South	0,800	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	3,8	2,06	2,38	54%	701	426
3	S2/Type 8 Level	180	90	South	1,175	0,400	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	1,4	0,32	2,16	23%	233	67
3	S2/Type 8 Level	180	90	South	1,175	0,400	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	1,4	0,32	2,16	23%	233	67
3	S2/Type 8 Level	180	90	South	0,800	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	3,8	2,06	2,38	54%	701	426
3	S2/Type 8 Level	180	90	South	0,750	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	3,6	1,86	2,31	52%	638	385
3	S2/Type 8 Level	180	90	South	0,800	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	3,8	2,06	2,38	54%	701	426
3	S2/Type 8 Level	180	90	South	1,175	0,400	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	1,4	0,32	2,16	23%	233	67
3	S2/Type 8 Level	180	90	South	1,175	0,400	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	1,4	0,32	2,16	23%	233	67
3	S2/Type 8 Level	180	90	South	0,800	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	3,8	2,06	2,38	54%	701	426
3	S2/Type 8 Level	180	90	South	0,750	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	3,6	1,86	2,31	52%	638	385
3	S2/Type 8 Level	180	90	South	0,800	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	3,8	2,06	2,38	54%	701	426
3	S2/Type 8 Level	180	90	South	1,175	0,400	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	1,4	0,32	2,16	23%	233	67
3	S2/Type 8 Level	180	90	South	1,175	0,400	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	1,4	0,32	2,16	23%	233	67
3	S2/Type 8 Level	180	90	South	0,800	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	3,8	2,06	2,38	54%	701	426
3	S2/Type 8 Level	180	90	South	0,750	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	3,6	1,86	2,31	52%	638	385
3	S2/Type 8 Level	180	90	South	0,800	1,600	4-Section 2 South fasade 1	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	3,8	2,06	2,38	54%	701	426
2	S1/Type 3 level	90	90	East	0,600	1,150	18-Section 3 East fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	1	1	1	0,040	1,4	0,56	2,38	40%	252	62
2	S1/Type 3 level	90	90	East	0,600	1,150	18-Section 3 East fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	1	1	1	0,040	1,4	0,56	2,38	40%	252	62
1	S1/Type 11	0	90	North	0,850	1,400	17-Section 3 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	1	1	1	0,040	1,2	0,64	2,45	54%	224	41
4	S1/Type 12 Level	0	90	North	0,800	1,450	17-Section 3 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	1	0,040	4,6	2,43	2,40	52%	853	157
4	S1/Type 12 Level	0	90	North	1,400	1,450	17-Section 3 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	1	0,040	8,1	5,24	2,48	65%	1547	359
5	S1/Type 12 Level	0	90	North	0,800	1,450	17-Section 3 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	1	0,040	5,8	3,04	2,40	52%	1067	196
5	S1/Type 12 Level	0	90	North	1,400	1,450	17-Section 3 North fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	1	0,040	10,2	6,55	2,48	65%	1933	449
7	S1/Type 13	180	90	South	0,900	1,800	19-Section 3 South fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	1	0,040	11,3	6,60	2,43	58%	2117	1365
7	S1/Type 13	180	90	South	0,900	1,800	19-Section 3 South fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	1	0,040	11,3	6,60	2,43	58%	2117	1365
7	S1/Type 14	180	90	South	0,900	1,550	19-Section 3 South fasade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	1	0,040	9,8	5,51	2			

					Window rough openings		installed in	Glazing	Frame	g-Value	U-Value		Ψ Glazing edge	Installation situation user-defined value for Ψ _{transabot} OF '1': Ψ _{transabot} from worksheet 'Components' '0': in the case of abutting windows				Results U- and Ψ-values from 'Components' worksheet can be shown through clicking the '+' sign on the top edge of the sheet.						
Quant ity	Description	Deviation from North	Angle of inclination from the horizontal	Orientation	Width	Height	Selection from worksheet 'Areas'	Selection from worksheet 'Components'	Selection from worksheet 'Components'	Perpen- dicular Radiation	Glazing	Frames (centre)	Ψ _{g-edge} (centre)	left	right	bottom	above	Ψ _{installation} (Average)	Window Area	Glazing Area	U-Value Window	Glazed fraction per window	Trans- mission- losses	Solar gains
		Degrees	Degrees		m	m		Sort: AS LIST	Sort: AS LIST	-	W/(m²K)	W/(m²K)	W/(mK)	W/(mK) or 1/0				W/(mK)	m²	m²	W/(m²K)	%	kWh/a	kWh/a
1	L-1 W Type 6	260	90	West	1,175	0,450	31-Section 1 socle - West	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	0,5	0,15	2,20	29%	89	9
1	L-1 W Type 6	260	90	West	1,175	0,450	31-Section 1 socle - West	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	0,5	0,15	2,20	29%	89	9
1	L-1 W Type 6	260	90	West	0,800	1,600	31-Section 1 socle - West	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	1,3	0,69	2,38	54%	234	43
1	L-1 W Type 6	260	90	West	0,750	1,600	31-Section 1 socle - West	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	1,2	0,62	2,31	52%	213	38
1	L-1 W Type 6	260	90	West	0,800	1,600	31-Section 1 socle - West	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	1,3	0,69	2,38	54%	234	43
5	L-1 W Type 7	260	90	West	0,800	1,350	31-Section 1 socle - West	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	1	0,040	5,4	2,78	2,39	52%	991	173
5	L-1 W Type 7	260	90	West	0,750	1,350	31-Section 1 socle - West	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	1	0,040	5,1	2,51	2,33	50%	903	154
5	L-1 W Type 7	260	90	West	0,800	1,350	31-Section 1 socle - West	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	1	0,040	5,4	2,78	2,39	52%	991	173
1	L-1 W Type 1	260	90	West	0,550	0,900	31-Section 1 socle - West	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	1	1	1	0,040	0,5	0,17	2,35	34%	89	9
6	L-1 E Type 7	90	90	East	0,800	1,350	33-Section 1 socle - East	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	1	0,040	6,5	3,34	2,39	52%	1189	185
6	L-1 E Type 7	90	90	East	0,750	1,350	33-Section 1 socle - East	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	1	0,040	6,1	3,02	2,33	50%	1084	165
6	L-1 E Type 7	90	90	East	0,800	1,350	33-Section 1 socle - East	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	1	0,040	6,5	3,34	2,39	52%	1189	185
10	L 0 W Type 6 - i	260	90	West	1,175	0,450	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	5,3	1,52	2,20	29%	892	125
10	L 0 W Type 6 - i	260	90	West	1,175	0,450	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	5,3	1,52	2,20	29%	892	125
10	L 0 W Type 6 - i	260	90	West	0,800	1,600	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	12,8	6,86	2,38	54%	2336	605
10	L 0 W Type 6 - i	260	90	West	0,750	1,600	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	12,0	6,20	2,31	52%	2128	540
10	L 0 W Type 6 - i	260	90	West	0,800	1,600	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	12,8	6,86	2,38	54%	2336	605
2	L 0 W Type 6 - i	260	90	West	1,175	0,450	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	1,1	0,30	2,20	29%	178	16
2	L 0 W Type 6 - i	260	90	West	1,175	0,450	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	1,1	0,30	2,20	29%	178	16
2	L 0 W Type 6 - i	260	90	West	0,800	1,600	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	2,6	1,37	2,38	54%	467	76
2	L 0 W Type 6 - i	260	90	West	0,750	1,600	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	2,4	1,24	2,31	52%	426	67
2	L 0 W Type 6 - i	260	90	West	0,800	1,600	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	2,6	1,37	2,38	54%	467	76
2	L 0 W Type 6 - i	260	90	West	1,175	0,450	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	1,1	0,30	2,20	29%	178	25
2	L 0 W Type 6 - i	260	90	West	1,175	0,450	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	1,1	0,30	2,20	29%	178	7
2	L 0 W Type 6 - i	260	90	West	0,800	1,600	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	2,6	1,37	2,38	54%	467	67
2	L 0 W Type 6 - i	260	90	West	0,750	1,600	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	2,4	1,24	2,31	52%	426	60
2	L 0 W Type 6 - i	260	90	West	0,800	1,600	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	2,6	1,37	2,38	54%	467	67
2	L 0 W Type 2	260	90	West	0,850	0,450	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	1	0	1	0,040	0,8	0,19	2,22	25%	130	15
2	L 0 W Type 2	260	90	West	0,850	1,600	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	1	1	0	0,040	2,7	1,50	2,44	55%	509	134
2	O1/Door 1 (Glas)	260	90	West	0,800	0,800	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	1,3	0,54	2,29	42%	225	26
2	O1/Door 1 (Glas)	260	90	West	0,900	0,800	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	0	1	0,040	1,4	0,64	2,27	45%	251	31
2	O1/Door 1 (Glas)	260	90	West	0,800	0,800	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	1,3	0,54	2,29	42%	225	26
2	O1/Door 1 (Glas)	260	90	West	0,800	1,400	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	0	0,040	2,2	1,16	2,34	52%	402	78
2	O1/Door 1 (Glas)	260	90	West	0,900	1,400	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	0	0	0,000	2,5	1,39	2,32	55%	448	95
2	O1/Door 1 (Glas)	260	90	West	0,800	1,400	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	0	0,040	2,2	1,16	2,34	52%	402	78
2	O1/Door 1 (Glas)	260	90	West	0,800	0,800	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	1,3	0,54	2,29	42%	225	26
2	O1/Door 1 (Glas)	260	90	West	0,900	0,800	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	1,4	0,64	2,27	45%	251	31
2	O1/Door 1 (Glas)	260	90	West	0,800	0,800	23-Section 1 - West facade	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	1,3	0,54	2,29	42%	225	26
3	O1/Type 8 South	180	90	South	1,000	0,450	29-Section 1 - South 1 fasad	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	1,4	0,37	2,19	27%	226	81
3	O1/Type 8 South	180	90	South	0,950	0,450	29-Section 1 - South 1 fasad	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	0	1	0,040	1,3	0,34	2,14	27%	210	75
3	O1/Type 8 South	180	90	South	1,000	0,450	29-Section 1 - South 1 fasad	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	1,4	0,37	2,19	27%	226	81
3	O1/Type 8 South	180	90	South	1,000	1,600	29-Section 1 - South 1 fasad	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	4,8	2,85	2,42	59%	891	686
3	O1/Type 8 South	180	90	South	0,950	1,600	29-Section 1 - South 1 fasad	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	4,6	2,65	2,37	58%	829	635
3	O1/Type 8 South	180	90	South	1,000	1,600	29-Section 1 - South 1 fasad	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	4,8	2,85	2,42	59%	891	686
2	O1/Type 8 NORTH	0	90	North	1,000	0,450	24-Section 1 - North 1 fasad	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	0,9	0,24	2,19	27%	151	#VALUE!
2	O1/Type 8 NORTH	0	90	North	0,950	0,450	24-Section 1 - North 1 fasad	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	0	1	0,040	0,9	0,23	2,14	27%	140	#VALUE!
2	O1/Type 8 NORTH	0	90	North	1,000	0,450	24-Section 1 - North 1 fasad	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	0,9	0,24	2,19	27%	151	0
2	O1/Type 8 NORTH	0	90	North	1,000	1,600	24-Section 1 - North 1 fasad	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	3,2	1,90	2,42	59%	594	0
2	O1/Type 8 NORTH	0	90	North	0,950	1,600	24-Section 1 - North 1 fasad	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	3,0	1,77	2,37	58%	552	0
2	O1/Type 8 NORTH	0	90	North	1,000	1,600	24-Section 1 - North 1 fasad	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	3,2	1,90	2,42	59%	594	0
1	O1/Door 2 (Glas)	180	90	South	0,800	0,800	29-Section 1 - South 1 fasad	94ud Double glazing 4/16mm air4	01ud Plastic window frame good	0,77	2,70													

					Window rough openings		installed in	Glazing	Frame	g-Value	U-Value		Ψ Glazing edge	Installation situation user-defined value for Ψ _{fixed} OR *1: Ψ _{fixed} from worksheet 'Components' *0: in the case of abutting windows				Results U- and Ψ-values from 'Components' worksheet can be shown through clicking the '+' sign on the top edge of the sheet.						
Quant ity	Description	Deviation from North	Angle of inclination from the horizontal	Orientation	Width	Height	Selection from worksheet 'Areas'	Selection from worksheet 'Components'	Selection from worksheet 'Components'	Perpen- dicular Radiation	Glazing	Frames (centre)	Ψ _{space} (centre)	left	right	bottom	above	Ψ _{installation} (Average)	Window Area	Glazing Area	U-Value Window	Glazed fraction per window	Trans- mission- losses	Solar gains
		Degrees	Degrees		m	m		Sort: AS LIST	Sort: AS LIST	-	W/(m²K)	W/(m²K)	W/(mK)	W/(mK) or 1/0				W/(mK)	m²	m²	W/(m²K)	%	kWh/a	kWh/a
16	L 1 W Type 6	260	90	West	1,175	0,450	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	8,5	2,43	2,20	29%	1427	0
16	L 1 W Type 6	260	90	West	0,800	1,600	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	20,5	10,98	2,38	54%	3737	0
16	L 1 W Type 6	260	90	West	0,750	1,600	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	19,2	9,93	2,31	52%	3405	0
16	L 1 W Type 6	260	90	West	0,800	1,600	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	20,5	10,98	2,38	54%	3737	0
2	L 1 W Type 2	260	90	West	0,850	0,450	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	1	0	1	0,040	0,8	0,19	2,22	25%	130	0
2	L 1 W Type 2	260	90	West	0,850	1,600	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	1	1	0	0,040	2,7	1,50	2,44	55%	509	0
16	L 2 W Type 6	260	90	West	1,175	0,450	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	8,5	2,43	2,20	29%	1427	0
16	L 2 W Type 6	260	90	West	1,175	0,450	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	8,5	2,43	2,20	29%	1427	0
16	L 2 W Type 6	260	90	West	0,800	1,600	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	20,5	10,98	2,38	54%	3737	0
16	L 2 W Type 6	260	90	West	0,750	1,600	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	19,2	9,93	2,31	52%	3405	0
16	L 2 W Type 6	260	90	West	0,800	1,600	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	20,5	10,98	2,38	54%	3737	0
2	L 2 W Type 2	260	90	West	0,850	0,450	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	1	0	1	0,040	0,8	0,19	2,22	25%	130	0
2	L 2 W Type 2	260	90	West	0,850	1,600	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	1	1	0	0,040	2,7	1,50	2,44	55%	509	0
16	L 3 W Type 6	260	90	West	1,175	0,450	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	8,5	2,43	2,20	29%	1427	0
16	L 3 W Type 6	260	90	West	1,175	0,450	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	8,5	2,43	2,20	29%	1427	0
16	L 3 W Type 6	260	90	West	0,800	1,600	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	20,5	10,98	2,38	54%	3737	0
16	L 3 W Type 6	260	90	West	0,750	1,600	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	19,2	9,93	2,31	52%	3405	0
16	L 3 W Type 6	260	90	West	0,800	1,600	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	20,5	10,98	2,38	54%	3737	0
2	L 3 W Type 2	260	90	West	0,850	0,450	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	1	0	1	0,040	0,8	0,19	2,22	25%	130	0
2	L 3 W Type 2	260	90	West	0,850	1,600	23-Section 1 - West fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	1	1	0	0,040	2,7	1,50	2,44	55%	509	0
20	L0,1,2,3 E Type	90	90	East	1,175	0,450	26-Section 1 - East 1 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	10,6	3,04	2,20	29%	1784	0
20	L0,1,2,3 E Type	90	90	East	1,175	0,450	26-Section 1 - East 1 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	10,6	3,04	2,20	29%	1784	0
20	L0,1,2,3 E Type	90	90	East	0,800	1,600	26-Section 1 - East 1 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	25,6	13,73	2,38	54%	4671	0
20	L0,1,2,3 E Type	90	90	East	0,750	1,600	26-Section 1 - East 1 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	24,0	12,41	2,31	52%	4257	0
20	L0,1,2,3 E Type	90	90	East	0,800	1,600	26-Section 1 - East 1 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	25,6	13,73	2,38	54%	4671	0
1	01/Door 3 (Glasi	90	90	East	0,450	1,400	27-Section 1 - East 2 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	0,6	0,19	2,21	30%	107	0
1	01/Door 3 (Glasi	90	90	East	0,450	1,400	27-Section 1 - East 2 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	0	1	0,040	0,6	0,19	2,12	30%	103	0
1	01/Door 3 (Glasi	90	90	East	0,450	1,400	27-Section 1 - East 2 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	0	1	0,040	0,6	0,19	2,12	30%	103	0
1	01/Door 3 (Glasi	90	90	East	0,450	1,400	27-Section 1 - East 2 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	0,6	0,19	2,21	30%	107	0
1	01/Door 3 (Glasi	90	90	East	0,900	0,800	27-Section 1 - East 2 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	0,7	0,32	2,31	45%	128	0
1	01/Door 3 (Glasi	90	90	East	0,900	0,800	27-Section 1 - East 2 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	0,7	0,32	2,31	45%	128	0
3	L 1,2,3 E Type	90	90	East	0,900	0,800	27-Section 1 - East 2 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	1	0,040	2,2	0,97	2,36	45%	391	0
3	L 1,2,3 E Type	90	90	East	0,900	0,800	27-Section 1 - East 2 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	1	0,040	2,2	0,97	2,36	45%	391	0
2	01/Door 4 (Glasi	90	90	East	0,850	0,800	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	1,4	0,59	2,30	44%	240	0
2	01/Door 4 (Glasi	90	90	East	0,900	0,800	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	0	1	0,040	1,4	0,64	2,27	45%	251	0
2	01/Door 4 (Glasi	90	90	East	0,850	0,800	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	1,4	0,59	2,30	44%	240	0
2	01/Door 4 (Glasi	90	90	East	0,850	1,400	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	0	0,040	2,4	1,28	2,35	54%	429	0
2	01/Door 4 (Glasi	90	90	East	0,900	1,400	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	0	0	0,000	2,5	1,39	2,32	55%	448	0
2	01/Door 4 (Glasi	90	90	East	0,850	1,400	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	0	0,040	2,4	1,28	2,35	54%	429	0
2	01/Door 4 (Glasi	90	90	East	0,850	0,800	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	1,4	0,59	2,30	44%	240	0
2	01/Door 4 (Glasi	90	90	East	0,900	0,800	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	1,4	0,64	2,27	45%	251	0
2	01/Door 4 (Glasi	90	90	East	0,850	0,800	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	1,4	0,59	2,30	44%	240	0
6	L 0 E Type 6	90	90	East	1,175	0,450	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	3,2	0,91	2,20	29%	535	0
6	L 0 E Type 6	90	90	East	1,175	0,450	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	3,2	0,91	2,20	29%	535	0
6	L 0 E Type 6	90	90	East	0,800	1,600	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	7,7	4,12	2,38	54%	1401	0
6	L 0 E Type 6	90	90	East	0,750	1,600	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	0	1	0	0,040	7,2	3,72	2,31	52%	1277	0
6	L 0 E Type 6	90	90	East	0,800	1,600	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	1	0	0,040	7,7	4,12	2,38	54%	1401	0
8	L 1 E Type 6	90	90	East	1,175	0,450	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	0	1	0,040	4,2	1,22	2,20	29%	714	0
8	L 1 E Type 6	90	90	East	1,175	0,450	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	0	1	0	1	0,040	4,2	1,22	2,20	29%	714	0
8	L 1 E Type 6	90	90	East	0,800	1,600	28-Section 1 - East 3 fasade	94ud Double glazing 4/16mm air/4	01ud Plastic window frame good	0,77	2,70	1,60	0,040	1	0	1	0	0,040	10,2	5,49	2,38	54%	1869	0
8	L 1 E Type 6	90	90	East	0,750	1,600	28-Section 1 - East 3 fasade																	