Pielikums4.2.
Ēkā izmantoto imžeņiersistēmu
novērtējuma izmantotās vērtības

Internal heat gains for residential buildings (IHG)

"Stūrīši" / Climate: LV0003b-Zīlāni / TFA: 565 m² / Heating: 125,9 kWh/(m²a) / Overheating: 42 % / PER: 207,3 kWh/(m²a)

Number of occupants	29,8	P	Building use:	10-Residential building: Residential	
Treated floor area	565	m²	Values used for IHG:	2-Standard	
				Link to drop-down list	

	IHG winter	IHG summer	
No input necessary			
Used for energy balance:	**4,10**	**5,25**	W/m²

Application	Number / number of occupants	Consider for IHG?	Norm consumption		Utilisation factor	Frequency		Useful energy (kWh/a)	Included in electricity balance?	Availability		Utilisation period [kh/a]		IHG winter [W]	IHG summer [W]
Persons	30	P	1	80,0	W/P	1,00	8,76	kh/a	20852	*	0,55	/	8,76	=	1309	1309
Evaporation	30	P	1	-25,0	W/P	1,00	8,76	kh/a	-6516	*	1,00	/	8,76	=	-744	-744
Refrigerator	0		1	0,3	kWh/d	1,00	365	d/a	0	*	1,00	/	8,76	=	0	0
Freezer	0		1	0,6	kWh/d	1,00	365	d/a	0	*	1,00	/	8,76	=	0	0
Refrigerator-freezer combination	1		1	0,6	kWh/d	1,00	365	d/a	6234	*	1,00	/	8,76	=	712	712
Cooking	1		1	0,3	kWh/Use	1,00	500	/(P*a)	3719	*	0,50	/	8,76	=	212	212
Dishwashing	1		1	1,0	kWh/Use	1,00	65	/(P*a)	1959	*	0,30	/	8,76	=	67	67
Clothes washing	1		1	0,9	kWh/Use	1,00	57	/(P*a)	1520	*	0,30	/	8,76	=	52	52
Drying with Condensation dryer	1		1	2,4	kWh/Use	0,75	57	/(P*a)	3073	*	0,70	/	8,76	=	246	246
Gas demand (for gas dryers)			1	0,0	kWh/Use				0	*	0,80	/	8,76	=	0	0
Energy demand from evaporation														=	0	0
Lighting inside of dwelling unit	1		1	12,0	W	4,20	1,2	kh/(P*a)	1800	*	1,00	/	8,76	=	205	205
Lighting outside of dwelling unit	0		1						0	*	1,00	/	8,76	=	0	0
Other devices (see 'Electricity' worksheet)	1		1,0						8014	*	1	/	8,76	=	915	915
Auxiliary appliances (cf. 'Aux electricity' worksheet)														=	0	0
														=		
														=		

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				Winter or Summer Power				Useful energy winter or summer				Utilisation period winter or summer					
DHW - circulation	0		0					0	0	kWh/a	/	5,04	or	3,72	=	0	0
DHW - individual pipes	1		1					0	0	kWh/a	/	5,04	or	3,72	=	0	0
DHW storage tank	0		0	0,0	0,0	W									=	0	0
Cold water	30	P	1	-16,1	-0,1	W/P									=	-480	-4

Internal heat gains (IHG)	**2494**	**2970**	W
	4,41	**5,25**	W/m²