

| Apartamentul: 5 | | | Numar/ Eticheta | | 5P01 / Hol | |
|--|------------|---------------------|---|---------------------|------------------------|--|
| Temp. incaperii | θ_i | 20.0 °C | Ventilatie | | | |
| Dimensiuni | | | Nr. minim de sch. orare prin ventilatie | n_{min} | 0.5 1/h | |
| Latimea incaperii intre fetele peretilor | A_f | --- | Numarul de schimburi de aer orare la o diferenta de presiune de 50 Pa | n_{50} | 2.0 1/h | |
| Lungimea intre fete | b_s | --- | Factor de izolare | e | 0.02 [-] | |
| Supr incaperii fete | A_f | 13.2 m ² | Nivel deasupra solului | h | 2.4 m | |
| Inaltimea nivelelor intre axe | h_a | 3.20 m | Coef. cor. inaltime | ε | 1.0 [-] | |
| Grosimea pardoselii | d_{fio} | 0.20 m | Debitul de aer introdus | \dot{V}_{sup} | 0.00 m ³ /h | |
| Latimea intre fete | h_f | 3 m | - Temperatura aerului introdus | θ_{mec} | 0.0 °C | |
| Volumul incaperii | V_R | 39.7 m ³ | Fact. de red. a temp. | f_v | [-] | |
| Sol | | | Debitul de aer evacuat | \dot{V}_{exh} | 0.00 m ³ /h | |
| Depresiunea sub niv sol | z | 0 m | - Temperatura aerului aspirat | $\theta_{mech,inf}$ | °C | |
| Perimetrul pardoselii luate in considerare | P | 2.15 m | - Factor red. temp. | $f_{v,mech,inf}$ | [-] | |
| Dim. caract. pard. - Incaperea [X] | B | 14.3 m | | | | |

| Orientarea peretilor | Tipul structurii | Cantitate | Grosime | Lungime / Inaltime | Suprafata totala | Suprafata fereastrei/usei | Suprafata utila | Pierderi de caldura prin | Temperatura din partea opusa | Factor de corectie | Coef. de transf de caldura | Tol. puncti termice | Coeficientul de transfer termic, ajustat | Coeficientul pierderilor de caldura | Pierderile de caldura prin structura |
|---|------------------|-----------|---------|--------------------|-------------------|---------------------------|-------------------|--------------------------|------------------------------|--------------------|----------------------------|-------------------------|--|-------------------------------------|--------------------------------------|
| | Tipul | n | b | l/h | A | A _{Abzug} | A' | e/s | θ_{po} | e_k/b_u | U_0 | ΔU | $U_{c,equiv}$ | H_T | Φ |
| | | [-] | [m] | [m] | [m ²] | [m ²] | [m ²] | i/ni | [°C] | f_i/f_{g2} | [W/(m ² -K)] | [W/(m ² -K)] | [W/(m ² -K)] | [W/K] | [W] |
| N | PE | 1 | 2.15 | 3.20 | 6.88 | 3.36 | 3.52 | e | -15.0 | 1 | 0.36 | 0.05 | 0.41 | 1.45 | 50.7 |
| N | UE | 1 | 1.60 | 2.10 | 3.36 | --- | 3.36 | e | --- | 1 | 2.09 | 0.05 | 2.14 | 7.20 | 252.1 |
| --- | Pdps | 1 | --- | --- | 15.33 | --- | 15.33 | g | --- | 1 | 1.21 | 0.05 | 1.26 | 2.83 | 99.1 |
| --- | PI | 1 | 1.40 | 3.20 | 4.48 | --- | 4.48 | | 22.0 | -0.0571 | 1.52 | 0.00 | 1.52 | -0.39 | -13.7 |
| --- | PI | 1 | 0.44 | 3.20 | 1.40 | --- | 1.40 | | 12.8 | 0.205 | 0.96 | 0.05 | 1.01 | 0.29 | 10.2 |
| --- | PI | 1 | 0.26 | 3.20 | 0.84 | --- | 0.84 | | 20.0 | 0 | 0.96 | 0.00 | 0.96 | 0.00 | 0.0 |
| --- | PI | 1 | 0.84 | 3.20 | 2.68 | --- | 2.68 | | 22.0 | -0.0571 | 1.52 | 0.00 | 1.52 | -0.23 | -8.2 |
| --- | PI | 1 | 1.25 | 3.20 | 4.01 | 1.43 | 2.59 | | 22.0 | -0.0571 | 0.96 | 0.00 | 0.96 | -0.14 | -5.0 |
| --- | UI | 1 | 0.68 | 2.10 | 1.43 | --- | 1.43 | | --- | -0.0571 | 2.00 | 0.00 | 2.00 | -0.16 | -5.7 |
| --- | PI | 1 | 2.28 | 3.20 | 7.28 | 1.68 | 5.60 | | 20.0 | 0 | 1.52 | 0.00 | 1.52 | 0.00 | 0.0 |
| --- | UI | 1 | 0.80 | 2.10 | 1.68 | --- | 1.68 | | --- | 0 | 2.00 | 0.00 | 2.00 | 0.00 | 0.0 |
| --- | PI | 1 | 0.46 | 3.20 | 1.47 | --- | 1.47 | | 22.0 | -0.0571 | 1.52 | 0.00 | 1.52 | -0.13 | -4.5 |
| --- | PI | 1 | 4.55 | 3.20 | 14.56 | 3.36 | 11.20 | | 22.0 | -0.0571 | 0.96 | 0.00 | 0.96 | -0.62 | -21.6 |
| --- | UI | 1 | 1.60 | 2.10 | 3.36 | --- | 3.36 | | --- | -0.0571 | 2.00 | 0.00 | 2.00 | -0.38 | -13.4 |
| --- | PI | 1 | 0.38 | 3.20 | 1.22 | --- | 1.22 | | 22.0 | -0.0571 | 0.96 | 0.00 | 0.96 | -0.07 | -2.3 |
| --- | PI | 1 | 2.55 | 3.20 | 8.18 | --- | 8.18 | | 15.3 | 0.134 | 0.96 | 0.00 | 0.96 | 1.06 | 37.0 |
| --- | Pdpp | 1 | --- | --- | 1.07 | --- | 1.07 | | 22.0 | 0.0541 | 0.47 | 0.00 | 0.47 | -0.03 | -1.0 |
| --- | Pdpp | 1 | --- | --- | 12.43 | --- | 12.43 | | 20.0 | 0 | 0.51 | 0.00 | 0.51 | 0.00 | 0.0 |
| --- | Pdpp | 1 | --- | --- | 1.75 | --- | 1.75 | | 24.0 | 0.103 | 0.47 | 0.00 | 0.47 | -0.10 | -3.3 |
| Pierderi de caldura datorate transferului te H_T / Φ_T | | | | | | | | | | | | | | 10.6 | 370 |

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|--|---|-------|-------------------|------|
| Aerul vent. min. | \dot{V}_{min} | 19.87 | m ³ /h | 236 |
| Debitul de aer rezultat din infiltratii | \dot{V}_{inf} | 3.18 | m ³ /h | 37.8 |
| Debitul teoretic de aer introdus mecanic | $\dot{V}_{su} \cdot f_{v,su}$ | 0.00 | m ³ /h | |
| Surplus de aer evacuat | $\dot{V}_{mech,inf} \cdot f_{v,mech,inf}$ | 0.00 | m ³ /h | |
| Debitul minim necesar de aer pentru ventilare | \dot{V} | 19.87 | m ³ /h | |

| | | | | | |
|---|----------------|--|--|------------|------------|
| Pierdere de caldura datorata ventilatiei | H_V / Φ_V | | | 6.8 | 236 |
|---|----------------|--|--|------------|------------|

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|--|--------------|-----------------------------|------------------------------|------------|
| Pierderile de caldura totale nete | Φ_{Net} | 45.8 W/m² | 15.27 W/m³ | 607 |
|--|--------------|-----------------------------|------------------------------|------------|

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|--|-------------|--|--|--|
| Necesarul de caldur a suplimentar in... | Φ_{RH} | | | |
|--|-------------|--|--|--|

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|--|--------------|--|--|--|
| Pierderile de caldura totale reduse | Φ_{red} | | | |
|--|--------------|--|--|--|