

8-5

40 osob

$$\dot{Q}_{CH} = 5 \text{ kW}$$

$$\dot{Q}_{os} = 360 \text{ kJ/hod} \cdot 40$$

$$\dot{Q}_{SD} = 12 \cdot 40 \text{ W}$$

$$\dot{Q}_{CPU} = 20 \cdot 60 \text{ J/s}$$

$$\dot{Q}_{OKNO} = 15000 \text{ kJ/hod}$$

$$\dot{Q}_{os} + \dot{Q}_{SD} + \dot{Q}_{CPU} + \dot{Q}_{OKNO} = x \cdot \dot{Q}_{CH}$$

$$\frac{40 \cdot 360}{3600} + 12 \cdot 40 \cdot 10^{-3} + 20 \cdot 60 \cdot 10^{-3} + \frac{15000}{3600} = x \cdot 5 \text{ [kW]}$$

$$9.847 = x \cdot 5 \text{ [kW]}$$

$$x = 1.97 \approx 2 \text{ klimatizacijn jednotky}$$