**建筑节能设计报告书**

公共建筑

甲类

|  |  |
| --- | --- |
| 工程名称 | 教学楼 |
| 工程地点 | 湖南-株洲 |
| 设计编号 |  |
| 建设单位 |  |
| 设计单位 |  |
| 设 计 人 |  |
| 校 对 人 |  |
| 审 核 人 |  |
| 设计日期 | 2024年12月28日 |



|  |  |
| --- | --- |
| 采用软件 | 节能设计Becs2024 |
| 软件版本 | 20240430(SP1) |
| 研发单位 | 北京绿建软件股份有限公司 |
| 正版授权码 | T13955158202 |

**目 录**

[1 建筑概况 3](#_Toc2436)

[2 设计依据 3](#_Toc12073)

[3 建筑大样 4](#_Toc21568)

[4 规定性指标检查 12](#_Toc13778)

[4.1 工程材料 12](#_Toc9668)

[4.2 围护结构作法简要说明 13](#_Toc16999)

[4.3 体形系数 14](#_Toc26567)

[4.4 窗墙比 14](#_Toc963)

[4.5 天窗 15](#_Toc20907)

[4.6 屋顶 15](#_Toc28621)

[4.7 外墙 16](#_Toc30088)

[4.8 挑空楼板 17](#_Toc7395)

[4.9 外窗热工 17](#_Toc12894)

[4.10 非中空窗面积比 23](#_Toc28597)

[4.11 可开启窗扇 23](#_Toc7433)

[4.12 规定性指标检查结论 23](#_Toc2292)

[5 权衡判断基本要求 23](#_Toc15791)

[6 权衡指标 24](#_Toc31102)

[6.1 计算条件 24](#_Toc11707)

[6.2 房间类型 25](#_Toc14581)

[6.3 气象数据 26](#_Toc17065)

[6.4 负荷分项统计 26](#_Toc31189)

[6.5 逐月负荷 27](#_Toc5162)

[6.6 逐月电耗 27](#_Toc3982)

[6.7 权衡指标 27](#_Toc24680)

[6.8 附录 29](#_Toc32307)

# 建筑概况

|  |  |
| --- | --- |
| 工程名称 | 教学楼 |
| 工程地点 | 湖南-株洲 |
| 气候分区 | 夏热冬冷A区 |
| 建筑面积 | 地上12611㎡ 地下0㎡ |
| 建筑层数 | 地上6 地下0 |
| 建筑高度 | 23.4m |
| 建筑（节能计算）体积 | 45424.97 |
| 建筑（节能计算）外表面积 | 18416.72 |
| 北向角度 | 90 |
| 结构类型 | 框架结构 |
| 外墙太阳辐射吸收系数 | 0.75 |
| 屋顶太阳辐射吸收系数 | 0.75 |

# 设计依据

1. 《建筑节能与可再生能源利用通用规范》GB55015-2021

2. 《公共建筑节能设计标准》GB50189-2015

3. 《民用建筑热工设计规范》GB50176-2016

4. 《建筑幕墙、门窗通用技术条件》GB/T31433-2015

# 建筑大样



立面图例



1层平面



2层平面



3层平面



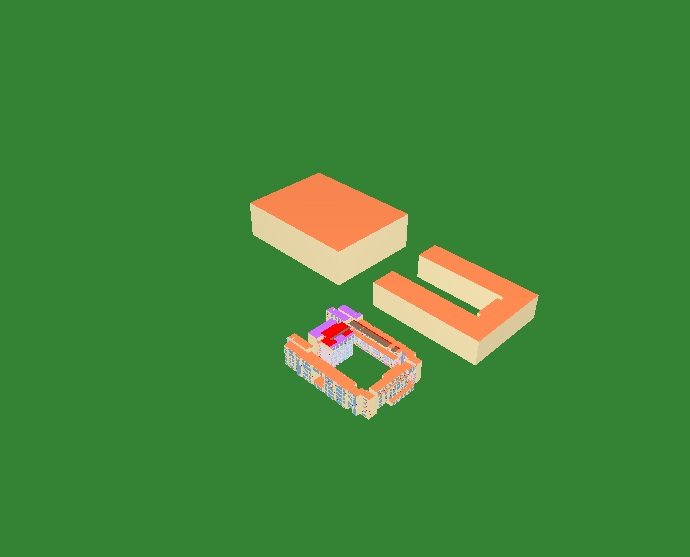
4层平面



5层平面



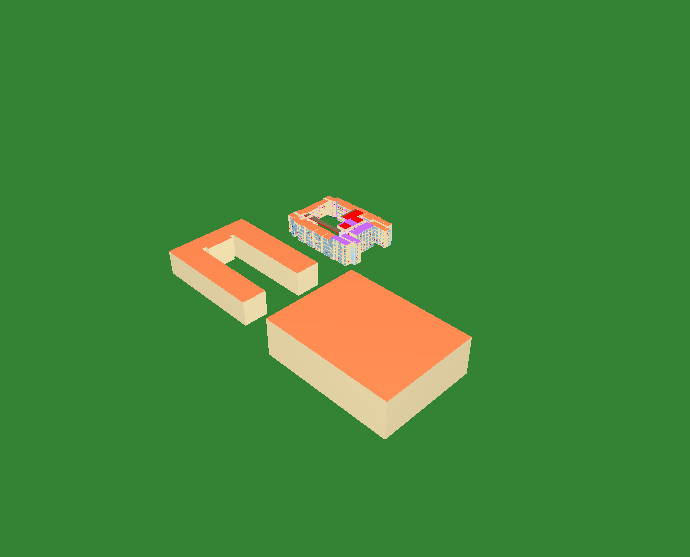
6层平面



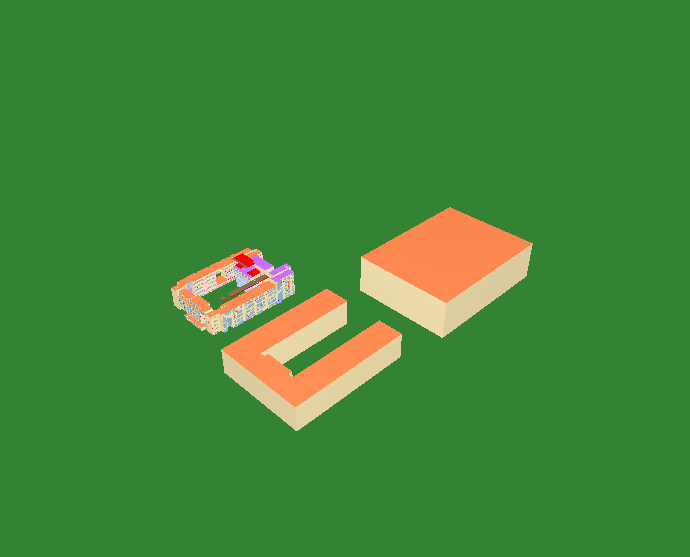
西南轴侧图



东南轴侧图



西北轴侧图



东北轴侧图

# 规定性指标检查

## 工程材料

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 材料名称 | 导热系数λ | 蓄热系数S | 密度ρ | 比热容Cp | 蒸汽渗透 系数u | 数据来源 |
| W/(m.K) | W/(㎡.K) | kg/m3 | J/(kg.K) | g/(m.h.kPa) |
| 改性玻化微珠轻质砂浆 （保温隔热型）（1） | 0.070 | 1.500 | 300.0 | 1473.3 | 0.0000 | 湖南省公/居建节能设计标准常用材料-2022 |
| 聚合物水泥防水砂浆 | 0.930 | 11.370 | 1800.0 | 1050.0 | 0.0210 |  |
| 钢筋混凝土 | 1.740 | 17.200 | 2500.0 | 920.0 | 0.0158 |  |
| C20细石混凝土保护层，内配Φ4@100双向钢筋网片 | 1.510 | 15.360 | 2300.0 | 920.0 | 0.0173 |  |
| 难燃型挤塑聚苯板 | 0.030 | 0.540 | 25.0 | 5346.4 | 0.0162 |  |
| 加气混凝土砌块墙 | 0.220 | 3.490 | 700.0 | 1087.6 | 0.0111 |  |
| 聚氨酯防水涂料 | 0.150 | 6.070 | 580.0 | 5823.6 | 0.0014 |  |
| 重砂浆砌筑烧结页岩多孔砖/空心砖墙 | 0.580 | 7.920 | 1400.0 | 1062.3 | 0.0158 |  |
| SBS改性沥青防水卷材 | 0.230 | 9.370 | 900.0 | 5832.3 | 0.0014 |  |
| 岩棉保温装饰复合一体板 | 0.045 | 0.750 | 160.0 | 1074.3 | 0.4880 |  |
| 粉煤灰陶粒混凝土 | 0.950 | 11.400 | 1700.0 | 1106.5 | 0.0140 |  |
| 石灰水泥砂浆 | 0.870 | 10.750 | 1700.0 | 1074.4 | 0.0443 |  |
| 1：2.5水泥砂浆 | 0.930 | 11.370 | 1800.0 | 1000.0 | 0.0210 |  |
| 干铺聚酯无纺布一层 | 0.930 | 11.370 | 1800.0 | 1000.0 | 0.0100 |  |
| 非固化橡胶沥青防水涂料 | 0.230 | 9.370 | 900.0 | 5832.3 | 0.0100 |  |

## 围护结构作法简要说明

**1. 屋顶：**屋顶构造一（上人倒置式屋面） (K=0.383,D=4.157)：（由上到下）

C20细石混凝土保护层，内配Φ4@100双向钢筋网片 50mm＋干铺聚酯无纺布一层 0mm＋难燃型挤塑聚苯板 85mm＋SBS改性沥青防水卷材 3mm＋非固化橡胶沥青防水涂料 2mm＋1：2.5水泥砂浆 20mm＋粉煤灰陶粒混凝土 30mm＋钢筋混凝土 120mm＋石灰水泥砂浆 10mm

**2. 外墙：**外墙（填充墙）构造一 (K=0.519,D=4.472)：（由外到内）

岩棉保温装饰复合一体板 45mm＋聚氨酯防水涂料 1.5mm＋聚合物水泥防水砂浆 6mm＋改性玻化微珠轻质砂浆  
（保温隔热型）（1） 20mm＋重砂浆砌筑烧结页岩多孔砖/空心砖墙 200mm＋改性玻化微珠轻质砂浆  
（保温隔热型）（1） 20mm

**3. 挑空楼板：**挑空楼板构造一 (K=0.737,D=2.543)：（由上到下）

改性玻化微珠轻质砂浆  
（保温隔热型）（1） 20mm＋钢筋混凝土 120mm＋改性玻化微珠轻质砂浆  
（保温隔热型）（1） 20mm＋岩棉保温装饰复合一体板 30mm

**4. 外窗：**断桥铝合金型材14.8mm 6 高透光双银 Low-E+12A+6 透明 (K=2.500)：

传热系数2.500W/㎡.K，窗太阳得热系数0.360

**5. 幕墙：**隔热金属型材 6中透光Low-E+12空气+6透明 (K=2.600)：

传热系数2.600W/㎡.K，窗太阳得热系数0.400

## 体形系数

### 体形系数

|  |  |
| --- | --- |
| 外表面积 | 18416.72 |
| 建筑体积 | 45424.97 |
| 体形系数 | 0.41 |

### 楼层信息表

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 楼层 | 层高(m) | 建筑面积(㎡) | 外表面积(㎡) | 计算体积(m3) |
| 1 | 3.900 | 2423.76 | 2883.33 | 9340.40 |
| 2 | 3.900 | 2327.79 | 3197.06 | 9078.36 |
| 3 | 3.900 | 2315.26 | 2782.39 | 9029.50 |
| 4 | 3.900 | 2218.34 | 2944.86 | 5715.19 |
| 5 | 3.900 | 2488.32 | 3332.34 | 8996.64 |
| 6 | 3.900 | 837.15 | 3276.75 | 3264.88 |
| 屋顶 | － | － | 0.00 | － |
| 合计 | 23.40 | 12610.61 | 18416.72 | 45424.97 |

## 窗墙比

### 窗墙比

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 朝向 | 立面 | 窗面积(㎡) | 墙面积(㎡) | 窗墙比 |
| 南向 | 立面1 | 1312.21 | 4789.24 | 0.27 |
| 北向 | 立面2 | 1413.72 | 4819.39 | 0.29 |
| 东向 | 立面3 | 540.15 | 3103.12 | 0.17 |
| 西向 | 立面4 | 413.13 | 2870.91 | 0.14 |

### 外窗表

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 朝向 | 立面 | 编号 | 尺寸 | 楼层 | 数量 | 单个面积 （㎡） | 合计面积 （㎡） | 总面积 （㎡） |
| 南向 | 立面1 | (玻璃幕墙) |  | 1~5 |  |  | 96.30 | 1312.21 |
| (玻璃幕墙) |  | 1~5 |  |  | 273.63 |
|  | 2.10×1.50 | 2 | 4 | 3.15 | 12.60 |
| C2115 | 2.10×1.50 | 1~6 | 6 | 3.15 | 18.90 |
| C2412 | 2.40×1.20 | 4 | 6 | 2.88 | 17.28 |
| C2414 | 2.40×1.40 | 1~3,5 | 48 | 3.36 | 161.28 |
| C2429 | 2.40×2.90 | 1~6 | 77 | 6.96 | 535.92 |
| C2429 | 2.28×2.90 | 6 | 1 | 6.61 | 6.61 |
| C3329 | 3.30×2.90 | 1~5 | 17 | 9.57 | 162.69 |
| C3615[1815] | 1.80×1.50 | 1~5 | 10 | 2.70 | 27.00 |
| 北向 | 立面2 | (玻璃幕墙) |  | 1~5 |  |  | 93.96 | 1413.72 |
| (玻璃幕墙) |  | 1~6 |  |  | 299.37 |
| C2115 | 2.10×1.50 | 1~5 | 5 | 3.15 | 15.75 |
| C2414 | 2.40×1.40 | 1~5 | 60 | 3.36 | 201.60 |
| C2429 | 2.40×2.90 | 1~6 | 84 | 6.96 | 584.64 |
| C3329 | 3.30×2.90 | 1~5 | 20 | 9.57 | 191.40 |
| C3615[1815] | 1.80×1.50 | 1~5 | 10 | 2.70 | 27.00 |
| 东向 | 立面3 | (玻璃幕墙) |  | 1~5 |  |  | 106.80 | 540.15 |
|  | 2.10×1.50 | 4 | 2 | 3.15 | 6.30 |
| (玻璃幕墙) |  | 5 |  |  | 19.50 |
| C2429 | 2.40×2.90 | 1~3,5 | 4 | 6.96 | 27.84 |
| C2429 | 3.00×2.90 | 6 | 6 | 8.70 | 52.20 |
| C2729 | 2.70×2.90 | 1~5 | 35 | 7.83 | 274.05 |
| C3312 | 3.30×1.20 | 2~5 | 10 | 3.96 | 39.60 |
| C3314 | 3.30×1.40 | 1 | 3 | 4.62 | 13.86 |
| 西向 | 立面4 | C2115 | 2.10×1.50 | 1~6 | 11 | 3.15 | 34.65 | 413.13 |
| C2414 | 2.40×1.40 | 1 | 1 | 3.36 | 3.36 |
| C2429 | 3.00×2.90 | 1~6 | 36 | 8.70 | 313.20 |
| C2712 | 2.70×1.20 | 2~5 | 12 | 3.24 | 38.88 |
| C2714 | 2.70×1.40 | 1 | 4 | 3.78 | 15.12 |
| C3312 | 3.30×1.20 | 6 | 2 | 3.96 | 7.92 |

## 天窗

### 天窗屋顶比

本工程无此项内容

### 天窗类型

本工程无此项内容

## 屋顶

### 屋顶构造一（上人倒置式屋面）

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 材料名称 （由上到下） | 厚度δ | 导热系数λ | 蓄热系数S | 修正 系数 | 热阻R | 热惰性 指标 |
| (mm) | W/(m.K) | W/(㎡.K) | α | (㎡K)/W | D=R\*S |
| C20细石混凝土保护层，内配Φ4@100双向钢筋网片 | 50 | 1.510 | 15.360 | 1.00 | 0.033 | 0.509 |
| 干铺聚酯无纺布一层 | － | － | － | － | 0.000 | － |
| 难燃型挤塑聚苯板 | 85 | 0.030 | 0.540 | 1.25 | 2.267 | 1.530 |
| SBS改性沥青防水卷材 | 3 | 0.230 | 9.370 | 1.20 | 0.011 | 0.122 |
| 非固化橡胶沥青防水涂料 | 2 | 0.230 | 9.370 | 1.20 | 0.007 | 0.081 |
| 1：2.5水泥砂浆 | 20 | 0.930 | 11.370 | 1.00 | 0.022 | 0.245 |
| 粉煤灰陶粒混凝土 | 30 | 0.950 | 11.400 | 1.00 | 0.032 | 0.360 |
| 钢筋混凝土 | 120 | 1.740 | 17.200 | 1.00 | 0.069 | 1.186 |
| 石灰水泥砂浆 | 10 | 0.870 | 10.750 | 1.00 | 0.011 | 0.124 |
| 各层之和∑ | 320 | － | － | － | 2.451 | 4.157 |
| 外表面太阳辐射吸收系数 | 0.75 | | | | | |
| 传热系数K=1/(0.16+∑R) | 0.38 | | | | | |
| 标准依据 | 《建筑节能与可再生能源利用通用规范》GB55015-2021第3.1.10条 | | | | | |
| 标准要求 | K≤0.40 | | | | | |
| 结论 | 满足 | | | | | |

## 外墙

### 外墙（填充墙）构造一

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 材料名称 （由外到内） | 厚度δ | 导热系数λ | 蓄热系数S | 修正 系数 | 热阻R | 热惰性 指标 |
| (mm) | W/(m.K) | W/(㎡.K) | α | (㎡K)/W | D=R\*S |
| 岩棉保温装饰复合一体板 | 45 | 0.045 | 0.750 | 1.20 | 0.833 | 0.750 |
| 聚氨酯防水涂料 | 1.5 | 0.150 | 6.070 | 1.00 | 0.010 | 0.061 |
| 聚合物水泥防水砂浆 | 6 | 0.930 | 11.370 | 1.00 | 0.006 | 0.073 |
| 改性玻化微珠轻质砂浆 （保温隔热型）（1） | 20 | 0.070 | 1.500 | 1.00 | 0.286 | 0.429 |
| 重砂浆砌筑烧结页岩多孔砖/空心砖墙 | 200 | 0.580 | 7.920 | 1.00 | 0.345 | 2.731 |
| 改性玻化微珠轻质砂浆 （保温隔热型）（1） | 20 | 0.070 | 1.500 | 1.00 | 0.286 | 0.429 |
| 各层之和∑ | 292.5 | － | － | － | 1.766 | 4.472 |
| 外表面太阳辐射吸收系数 | 0.75 | | | | | |
| 传热系数K=1/(0.16+∑R) | 0.52 | | | | | |
| 标准依据 | 《建筑节能与可再生能源利用通用规范》GB55015-2021第3.1.10条 | | | | | |
| 标准要求 | K应满足表3.1.10-4的规定(K≤0.80) | | | | | |
| 结论 | 满足 | | | | | |

### 标准指定的外墙平均传热系数计算方法

采用基于二维传热计算的线性传热系数方法，一个单元墙体的平均传热系数用下式计算：

W/(m2K)

式中 *Km* —— 单元墙体的平均传热系数，W/(m2K)；

*K* —— 单元墙体的主断面传热系数，W/(m2K)；

*ψj* —— 单元墙体上的第j个结构性热桥的线传热系数，W/(mK)；

*lj ——* 单元墙体第j个结构性热桥的计算长度，m；

*A* —— 单元墙体的面积， m2

## 挑空楼板

### 挑空楼板构造一

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 材料名称 （由上到下） | 厚度δ | 导热系数λ | 蓄热系数S | 修正 系数 | 热阻R | 热惰性 指标 |
| (mm) | W/(m.K) | W/(㎡.K) | α | (㎡K)/W | D=R\*S |
| 改性玻化微珠轻质砂浆 （保温隔热型）（1） | 20 | 0.070 | 1.500 | 1.00 | 0.286 | 0.429 |
| 钢筋混凝土 | 120 | 1.740 | 17.200 | 1.00 | 0.069 | 1.186 |
| 改性玻化微珠轻质砂浆 （保温隔热型）（1） | 20 | 0.070 | 1.500 | 1.00 | 0.286 | 0.429 |
| 岩棉保温装饰复合一体板 | 30 | 0.045 | 0.750 | 1.20 | 0.556 | 0.500 |
| 各层之和∑ | 190 | － | － | － | 1.196 | 2.543 |
| 传热系数K=1/(0.16+∑R) | 0.74 | | | | | |
| 标准依据 | 《建筑节能与可再生能源利用通用规范》GB55015-2021第3.1.10条 | | | | | |
| 标准要求 | K≤0.70 | | | | | |
| 结论 | 不满足 | | | | | |

## 外窗热工

### 外窗

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 序号 | 构造名称 | 构造 编号 | 传热 系数 | 窗太阳 得热系数 | 可见光 透射比 | 数据来源 |
| 1 | 隔热金属型材 6中透光Low-E+12空气+6透明 | 369 | 2.60 | 0.40 | 0.620 | DBJ43-001-2017 |
| 窗编号 | | | | |
| 幕墙 | | | | |
| 2 | 断桥铝合金型材14.8mm 6 高透光双银 Low-E+12A+6 透明 | 424 | 2.50 | 0.36 | 0.680 | 湖南省居住建筑节能设计标准 DBJ43/T025-2022 |
| 窗编号 | | | | |
| ，C2429，C2729，C3312，C3314，C2115，C2414，C2712，C2714，C2412，C3329，C3615[1815] | | | | |

### 外遮阳类型

已启用环境遮阳.

#### 平板遮阳



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 编号 | 水平挑出Ah (m) | 距离上沿Eh (m) | 垂直挑出Av (m) | 距离边沿Ev (m) | 挡板高Dh (m) | 挡板透射η\* |
| 1 | 平板遮阳0 | 0.500 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

#### 自定义遮阳

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 编号 | 夏季遮阳系数 | 冬季遮阳系数 | 平均遮阳系数 | 备注 |
| 1 | 活动遮阳0 | 1.000 | 1.000 | 1.000 |  |

### 平均传热系数

1. 南向：

立面1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗 编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造 编号 | 传热系数 |
| 1 | (玻璃幕墙) | 1~5 |  |  | 96.300 | 369 | 2.600 |
| 2 | (玻璃幕墙) | 1~5 |  |  | 273.630 | 369 | 2.600 |
| 3 |  | 2 | 4 | 3.150 | 12.600 | 424 | 2.500 |
| 4 | C2115 | 1~6 | 6 | 3.150 | 18.900 | 424 | 2.500 |
| 5 | C2412 | 4 | 6 | 2.880 | 17.280 | 424 | 2.500 |
| 6 | C2414 | 1~3,5 | 48 | 3.360 | 161.280 | 424 | 2.500 |
| 7 | C2429 | 1~6 | 77 | 6.960 | 535.920 | 424 | 2.500 |
| 8 | C2429 | 6 | 1 | 6.612 | 6.612 | 424 | 2.500 |
| 9 | C3329 | 1~5 | 17 | 9.570 | 162.690 | 424 | 2.500 |
| 10 | C3615[1815] | 1~5 | 10 | 2.700 | 27.000 | 424 | 2.500 |
| 立面总面积(㎡) | | | 1312.212 | 立面平均传热系数 | | | 2.528 |

2. 北向：

立面2

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗 编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造 编号 | 传热系数 |
| 1 | (玻璃幕墙) | 1~5 |  |  | 93.960 | 369 | 2.600 |
| 2 | (玻璃幕墙) | 1~6 |  |  | 299.370 | 369 | 2.600 |
| 3 | C2115 | 1~5 | 5 | 3.150 | 15.750 | 424 | 2.500 |
| 4 | C2414 | 1~5 | 60 | 3.360 | 201.600 | 424 | 2.500 |
| 5 | C2429 | 1~6 | 84 | 6.960 | 584.640 | 424 | 2.500 |
| 6 | C3329 | 1~5 | 20 | 9.570 | 191.400 | 424 | 2.500 |
| 7 | C3615[1815] | 1~5 | 10 | 2.700 | 27.000 | 424 | 2.500 |
| 立面总面积(㎡) | | | 1413.720 | 立面平均传热系数 | | | 2.528 |

3. 东向：

立面3

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗 编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造 编号 | 传热系数 |
| 1 | (玻璃幕墙) | 1~5 |  |  | 106.800 | 369 | 2.600 |
| 2 |  | 4 | 2 | 3.150 | 6.300 | 424 | 2.500 |
| 3 | (玻璃幕墙) | 5 |  |  | 19.500 | 369 | 2.600 |
| 4 | C2429 | 1~3,5 | 4 | 6.960 | 27.840 | 424 | 2.500 |
| 5 | C2429 | 6 | 6 | 8.700 | 52.200 | 424 | 2.500 |
| 6 | C2729 | 1~5 | 35 | 7.830 | 274.050 | 424 | 2.500 |
| 7 | C3312 | 2~5 | 10 | 3.960 | 39.600 | 424 | 2.500 |
| 8 | C3314 | 1 | 3 | 4.620 | 13.860 | 424 | 2.500 |
| 立面总面积(㎡) | | | 540.150 | 立面平均传热系数 | | | 2.523 |

4. 西向：

立面4

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗 编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造 编号 | 传热系数 |
| 1 | C2115 | 1~6 | 11 | 3.150 | 34.650 | 424 | 2.500 |
| 2 | C2414 | 1 | 1 | 3.360 | 3.360 | 424 | 2.500 |
| 3 | C2429 | 1~6 | 36 | 8.700 | 313.200 | 424 | 2.500 |
| 4 | C2712 | 2~5 | 12 | 3.240 | 38.880 | 424 | 2.500 |
| 5 | C2714 | 1 | 4 | 3.780 | 15.120 | 424 | 2.500 |
| 6 | C3312 | 6 | 2 | 3.960 | 7.920 | 424 | 2.500 |
| 立面总面积(㎡) | | | 413.130 | 立面平均传热系数 | | | 2.500 |

### 综合太阳得热系数

1. 南向：

立面1

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗 编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造 编号 | 窗太阳 得热系数 | 外遮阳 编号 | 外遮阳系数 (含环境遮阳) | 综合太阳 得热系数 |
| 1 | (玻璃幕墙) | 1~5 |  |  | 96.300 | 369 | 0.400 |  | 1.000 | 0.400 |
| 2 | (玻璃幕墙) | 1~5 |  |  | 273.630 | 369 | 0.400 | 活动遮阳0 | 1.000 | 0.400 |
| 3 |  | 2 | 4 | 3.150 | 12.600 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 4 | C2115 | 1~6 | 6 | 3.150 | 18.900 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 5 | C2412 | 4 | 6 | 2.880 | 17.280 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 6 | C2414 | 1~3,5 | 48 | 3.360 | 161.280 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 7 | C2429 | 1~6 | 77 | 6.960 | 535.920 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 8 | C2429 | 6 | 1 | 6.612 | 6.612 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 9 | C3329 | 1~5 | 17 | 9.570 | 162.690 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 10 | C3615[1815] | 1~5 | 10 | 2.700 | 27.000 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 立面总面积(㎡) | | | | | 1312.212 | 综合太阳得热系数 | | | | 0.371 |

2. 北向：

立面2

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗 编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造 编号 | 窗太阳 得热系数 | 外遮阳 编号 | 外遮阳系数 (含环境遮阳) | 综合太阳 得热系数 |
| 1 | (玻璃幕墙) | 1~5 |  |  | 93.960 | 369 | 0.400 |  | 1.000 | 0.400 |
| 2 | (玻璃幕墙) | 1~6 |  |  | 299.370 | 369 | 0.400 | 活动遮阳0 | 1.000 | 0.400 |
| 3 | C2115 | 1~5 | 5 | 3.150 | 15.750 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 4 | C2414 | 1~5 | 60 | 3.360 | 201.600 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 5 | C2429 | 1~6 | 84 | 6.960 | 584.640 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 6 | C3329 | 1~5 | 20 | 9.570 | 191.400 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 7 | C3615[1815] | 1~5 | 10 | 2.700 | 27.000 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 立面总面积(㎡) | | | | | 1413.720 | 综合太阳得热系数 | | | | 0.371 |

3. 东向：

立面3

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗 编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造 编号 | 窗太阳 得热系数 | 外遮阳 编号 | 外遮阳系数 (含环境遮阳) | 综合太阳 得热系数 |
| 1 | (玻璃幕墙) | 1~5 |  |  | 106.800 | 369 | 0.400 |  | 1.000 | 0.400 |
| 2 |  | 4 | 2 | 3.150 | 6.300 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 3 | (玻璃幕墙) | 5 |  |  | 19.500 | 369 | 0.400 | 活动遮阳0 | 1.000 | 0.400 |
| 4 | C2429 | 1~3,5 | 4 | 6.960 | 27.840 | 424 | 0.360 | 平板遮阳0 | 1.000 | 0.360 |
| 5 | C2429 | 6 | 6 | 8.700 | 52.200 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 6 | C2729 | 1~5 | 35 | 7.830 | 274.050 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 7 | C3312 | 2~5 | 10 | 3.960 | 39.600 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 8 | C3314 | 1 | 3 | 4.620 | 13.860 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 立面总面积(㎡) | | | | | 540.150 | 综合太阳得热系数 | | | | 0.370 |

4. 西向：

立面4

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 门窗 编号 | 楼层 | 数量 | 单个面积（㎡） | 总面积（㎡） | 构造 编号 | 窗太阳 得热系数 | 外遮阳 编号 | 外遮阳系数 (含环境遮阳) | 综合太阳 得热系数 |
| 1 | C2115 | 1~6 | 11 | 3.150 | 34.650 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 2 | C2414 | 1 | 1 | 3.360 | 3.360 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 3 | C2429 | 1~6 | 36 | 8.700 | 313.200 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 4 | C2712 | 2~5 | 12 | 3.240 | 38.880 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 5 | C2714 | 1 | 4 | 3.780 | 15.120 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 6 | C3312 | 6 | 2 | 3.960 | 7.920 | 424 | 0.360 | 活动遮阳0 | 1.000 | 0.360 |
| 立面总面积(㎡) | | | | | 413.130 | 综合太阳得热系数 | | | | 0.360 |

### 总体热工性能

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 朝向 | 立面 | 面积 | 传热系数 | 综合太阳得热系数 | 窗墙比 | 标准要求 | 结论 |
| 南向 | 立面1 | 1312.21 | 2.53 | 0.37 | 0.27 | K≤2.60, SHGC≤0.40 | 满足 |
| 北向 | 立面2 | 1413.72 | 2.53 | 0.37 | 0.29 | K≤2.60, SHGC≤0.45 | 满足 |
| 东向 | 立面3 | 540.15 | 2.52 | 0.37 | 0.17 | K≤3.00, SHGC≤0.45 | 满足 |
| 西向 | 立面4 | 413.13 | 2.50 | 0.36 | 0.14 | K≤3.00, SHGC≤0.45 | 满足 |
| 综合平均 |  | 3679.21 | 2.52 | 0.37 | 0.24 |  |  |
| 标准依据 | 《建筑节能与可再生能源利用通用规范》GB55015-2021第3.1.10条 | | | | | | |
| 标准要求 | 外窗传热系数和综合太阳得热系数满足表3.1.10-4的要求 | | | | | | |
| 结论 | 满足 | | | | | | |

注：本表所统计的外窗包含凸窗。

## 非中空窗面积比

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 朝向 | 立面 | 非中空玻璃面积(㎡) | 透光面积(㎡) | 非中空面积比 | 限值 | 结论 |
| 南向 | 立面1 | 0.00 | 1312.21 | 0.00 | 0.15 | 满足 |
| 北向 | 立面2 | 0.00 | 1413.72 | 0.00 | 0.15 | 满足 |
| 东向 | 立面3 | 0.00 | 540.15 | 0.00 | 0.15 | 满足 |
| 西向 | 立面4 | 0.00 | 413.13 | 0.00 | 0.15 | 满足 |
| 标准依据 | | 《建筑节能与可再生能源利用通用规范》GB55015-2021第3.1.13条 | | | | |
| 标准要求 | | 非中空玻璃的面积不应超过同一立面透光面积的15% | | | | |
| 结论 | | 满足 | | | | |

## 可开启窗扇

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 楼层 | 房间编号 | 房间类型 | | 门窗类型 | 门窗编号 | 开启比例 | 可开启窗扇 |
| 1 | 1001(最不利房间) | 楼梯间 | | 幕墙 | 未编号 | 0.00 | 无可开启窗扇 |
| 幕墙 | 未编号 | 0.00 |
| 幕墙 | 未编号 | 0.00 |
| 通风换气装置 | | | 无通风换气装置 | | | | | |
| 标准依据 | | | 《建筑节能与可再生能源利用通用规范》GB55015-2021第3.1.14条 | | | | | |
| 标准要求 | | | 主要功能房间的外窗应设置可开启窗扇或通风换气装置 | | | | | |
| 结论 | | | 满足 | | | | | |

注：达标时只列出一项，不达标时列出全部不达标项

## 规定性指标检查结论

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 检查项 | 结论 | 可否性能权衡 |
| 1 | 天窗类型 | 无屋顶透光部分 |  |
| 2 | 屋顶 | 满足 |  |
| 3 | 外墙 | 满足 |  |
| 4 | 挑空楼板 | 不满足 | 可 |
| 5 | 外窗热工 | 满足 |  |
| 6 | 非中空窗面积比 | 满足 |  |
| 7 | 可开启窗扇 | 满足 |  |
| 结论 | | 不满足 | 可 |

□说明：本工程规定性指标设计**不满足**要求，需依据《建筑节能与可再生能源利用通用规范》GB55015-2021的要求进行节能设计的权衡判断。

# 权衡判断基本要求

|  |  |  |  |
| --- | --- | --- | --- |
| 检查项 | 设计值 | 权衡判断基本要求 | 结论 |
| 屋顶 | K=0.38 | K<=0.4 | 满足 |
| 外墙 | K=0.52; D=4.47 | K<=0.8 | 满足 |
| 外窗热工－总体热工性能－南向－立面1 | K=2.53; SHGC=0.37 | K≤3.00, SHGC(不要求) | 满足 |
| 外窗热工－总体热工性能－北向－立面2 | K=2.53; SHGC=0.37 | K≤3.00, SHGC(不要求) | 满足 |
| 外窗热工－总体热工性能－东向－立面3 | K=2.52; SHGC=0.37 | K≤3.00, SHGC(不要求) | 满足 |
| 外窗热工－总体热工性能－西向－立面4 | K=2.50; SHGC=0.36 | K≤3.00, SHGC(不要求) | 满足 |
| 可开启窗扇 | 有可开启窗扇 | 有可开启窗扇或通风换气装置 | 满足 |
| 非中空窗面积比－南向－立面1 | 0.00 | ≤0.15 | 满足 |
| 非中空窗面积比－北向－立面2 | 0.00 | ≤0.15 | 满足 |
| 非中空窗面积比－东向－立面3 | 0.00 | ≤0.15 | 满足 |
| 非中空窗面积比－西向－立面4 | 0.00 | ≤0.15 | 满足 |

■结论：建筑相关参数**满足**权衡判断的基本要求，可进行围护结构的权衡判断。

# 权衡指标

## 计算条件

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | 设计建筑 | | | 参照建筑 | | |
| 天窗屋顶比 | | | － | | | － | | |
| 屋顶传热系数K  和热惰性指标 D | | | K=0.38  D=4.16 | | | K=0.40  D=4.08 | | |
| 外墙传热系数K  和热惰性指标 D | | | K=0.52  D=4.47 | | | K=0.80  D=3.87 | | |
| 挑空楼板传热系数K  和热惰性指标 D | | | K=0.74  D=2.54 | | | K=0.70  D=2.61 | | |
| 天窗传热系数K  和太阳得热系数 SHGC | | | K=－  SHGC=－ | | | K=－  SHGC=－ | | |
| 外窗（包括透明幕墙） | 朝向 | 立面 | 窗墙比 | 传热  系数 | 太阳得热系数 | 窗墙比 | 传热  系数 | 太阳得热系数 |
| 南向 | 立面1 | 0.27 | 2.53 | 0.37 | 0.27 | 2.60 | 0.40 |
| 北向 | 立面2 | 0.29 | 2.53 | 0.37 | 0.29 | 2.60 | 0.45 |
| 东向 | 立面3 | 0.17 | 2.52 | 0.37 | 0.17 | 3.00 | 0.45 |
| 西向 | 立面4 | 0.14 | 2.50 | 0.36 | 0.14 | 3.00 | 0.45 |
| 室内参数和气象条件设置 | | | 按《公共建筑节能设计标准》附录B设置 | | | | | |

备注：

1. 传热系数的单位W/(m2.k)，其他参数无量纲.

2. 屋顶和外墙的传热系数K和热情性指标D指平均值.

3. 设计建筑：“—”代表本工程无对应项.

## 房间类型

### 房间参数表

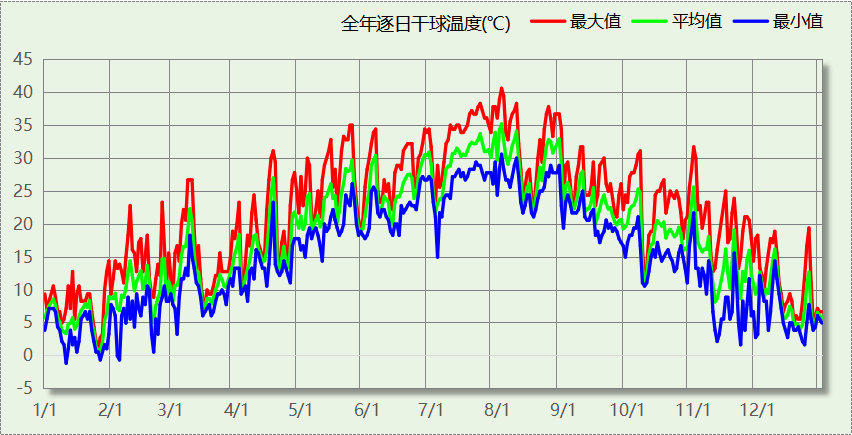
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 房间类型 | 空调温度 ℃ | 供暖温度 ℃ | 新风量 | 人员密度 | 照明功率 密度 | 电器设备 功率 |
| 休息室 | 26 | 20 | 30(m3/h.人) | 6(㎡/人) | 8(W/㎡) | 5(W/㎡) |
| 会议室 | 26 | 20 | 30(m3/h.人) | 6(㎡/人) | 8(W/㎡) | 5(W/㎡) |
| 办公建筑 | 26 | 20 | 30(m3/h.人) | 10(㎡/人) | 8(W/㎡) | 15(W/㎡) |
| 卫生间 | 26 | 20 | 30(m3/h.人) | 6(㎡/人) | 8(W/㎡) | 5(W/㎡) |
| 多媒体教室 | 26 | 20 | 30(m3/h.人) | 6(㎡/人) | 8(W/㎡) | 5(W/㎡) |
| 实验教室 | 26 | 20 | 30(m3/h.人) | 6(㎡/人) | 8(W/㎡) | 5(W/㎡) |
| 普通办公室 | 26 | 20 | 30(m3/h.人) | 6(㎡/人) | 8(W/㎡) | 5(W/㎡) |
| 普通办公室 | 26 | 20 | 30(m3/h.人) | 10(㎡/人) | 8(W/㎡) | 15(W/㎡) |
| 普通教室 | 26 | 20 | 30(m3/h.人) | 6(㎡/人) | 8(W/㎡) | 5(W/㎡) |
| 楼梯间 | － | － | 0(m3/h.人) | 0(人) | 5(W/㎡) | 15(W/㎡) |
| 设备间 | － | － | 0(m3/h.人) | 0(人) | 3.5(W/㎡) | 15(W/㎡) |

### 作息时间表

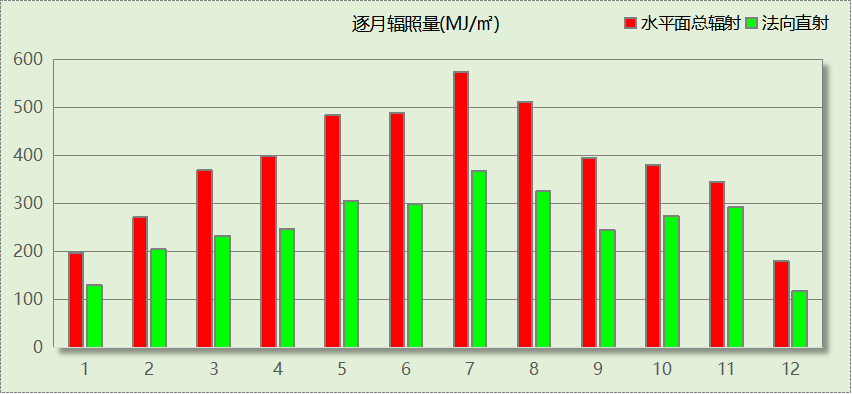
详见附录

## 气象数据

### 逐日干球温度表



### 逐月辐照量表



## 负荷分项统计

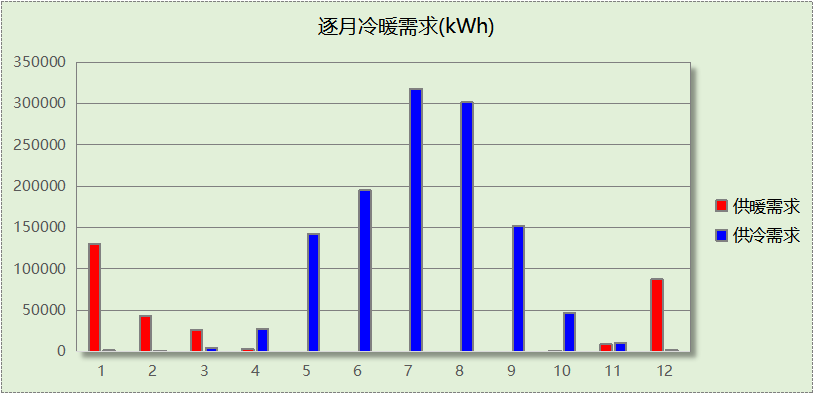
设计建筑：

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 分类 | 围护传热 | 室内得热 | 窗日射 | 新风/渗透 | 热回收 | 合计 |
| 供暖(kWh/㎡) | -23.83 | 13.30 | 3.51 | -16.66 | 0.00 | -23.69 |
| 供冷(kWh/㎡) | 14.76 | 34.42 | 8.43 | 37.64 | 0.00 | 95.26 |

参照建筑：

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 分类 | 围护传热 | 室内得热 | 窗日射 | 新风/渗透 | 热回收 | 合计 |
| 供暖(kWh/㎡) | -29.38 | 13.91 | 4.71 | -17.12 | 0.00 | -27.89 |
| 供冷(kWh/㎡) | 16.04 | 34.03 | 10.75 | 37.70 | 0.00 | 98.51 |

## 逐月负荷



## 逐月电耗

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 设计建筑 | | 参照建筑 | |
| 月 | 供冷(kWh/㎡) | 供暖(kWh/㎡) | 供冷(kWh/㎡) | 供暖(kWh/㎡) |
| 1 | 0.00 | 4.52 | 0.00 | 5.19 |
| 2 | 0.03 | 1.48 | 0.03 | 1.76 |
| 3 | 0.10 | 0.92 | 0.10 | 1.13 |
| 4 | 0.61 | 0.10 | 0.62 | 0.13 |
| 5 | 3.23 | 0.00 | 3.31 | 0.00 |
| 6 | 4.42 | 0.00 | 4.60 | 0.00 |
| 7 | 7.20 | 0.00 | 7.56 | 0.00 |
| 8 | 6.83 | 0.00 | 7.13 | 0.00 |
| 9 | 3.44 | 0.00 | 3.50 | 0.00 |
| 10 | 1.07 | 0.00 | 1.03 | 0.00 |
| 11 | 0.23 | 0.31 | 0.22 | 0.43 |
| 12 | 0.04 | 3.02 | 0.03 | 3.55 |
| 合计 | 27.22 | 10.35 | 28.15 | 12.19 |

## 权衡指标

|  |  |  |
| --- | --- | --- |
|  | 设计建筑 | 参照建筑 |
| 全年供暖和空调总耗电量(kWh/㎡) | 37.57 | 40.33 |
| 供冷耗电量(kWh/㎡) | 27.22 | 28.15 |
| 供热耗电量(kWh/㎡) | 10.35 | 12.19 |
| 耗冷量(kWh/㎡) | 95.26 | 98.51 |
| 耗热量(kWh/㎡) | 23.69 | 27.89 |
| 标准依据 | 《建筑节能与可再生能源利用通用规范》GB55015-2021附录C.0.2条 | |
| 标准要求 | 设计建筑的能耗不大于参照建筑的能耗 | |
| 结论 | 满足 | |

■说明：本建筑围护结构热工性能权衡判断**满足**《建筑节能与可再生能源利用通用规范》GB55015-2021的要求。建筑节能设计符合要求

## 附录

### 工作日/节假日室内空调温度时间表(℃)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 房间类型 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 休息室 | 37 | 37 | 37 | 37 | 37 | 37 | 28 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 37 | 37 | 37 | 37 | 37 | 37 |
| 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 会议室 | 37 | 37 | 37 | 37 | 37 | 37 | 28 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 37 | 37 | 37 | 37 | 37 | 37 |
| 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 办公建筑 | 37 | 37 | 37 | 37 | 37 | 37 | 28 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 37 | 37 | 37 | 37 | 37 | 37 |
| 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 卫生间 | 37 | 37 | 37 | 37 | 37 | 37 | 28 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 37 | 37 | 37 | 37 | 37 | 37 |
| 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 多媒体教室 | 37 | 37 | 37 | 37 | 37 | 37 | 28 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 37 | 37 | 37 | 37 | 37 | 37 |
| 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 实验教室 | 37 | 37 | 37 | 37 | 37 | 37 | 28 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 37 | 37 | 37 | 37 | 37 | 37 |
| 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 普通办公室 | 37 | 37 | 37 | 37 | 37 | 37 | 28 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 37 | 37 | 37 | 37 | 37 | 37 |
| 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 普通办公室 | 37 | 37 | 37 | 37 | 37 | 37 | 28 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 37 | 37 | 37 | 37 | 37 | 37 |
| 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 普通教室 | 37 | 37 | 37 | 37 | 37 | 37 | 28 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 37 | 37 | 37 | 37 | 37 | 37 |
| 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 楼梯间 | 37 | 37 | 37 | 37 | 37 | 37 | 28 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 37 | 37 | 37 | 37 | 37 | 37 |
| 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 设备间 | 37 | 37 | 37 | 37 | 37 | 37 | 28 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 37 | 37 | 37 | 37 | 37 | 37 |
| 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |

注：上行：工作日；下行：节假日

### 工作日/节假日室内供暖温度时间表(℃)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 房间类型 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 休息室 | 5 | 5 | 5 | 5 | 5 | 12 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | 12 | 5 | 5 | 5 | 5 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 会议室 | 5 | 5 | 5 | 5 | 5 | 12 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | 12 | 5 | 5 | 5 | 5 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 办公建筑 | 5 | 5 | 5 | 5 | 5 | 12 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | 12 | 5 | 5 | 5 | 5 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 卫生间 | 5 | 5 | 5 | 5 | 5 | 12 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | 12 | 5 | 5 | 5 | 5 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 多媒体教室 | 5 | 5 | 5 | 5 | 5 | 12 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | 12 | 5 | 5 | 5 | 5 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 实验教室 | 5 | 5 | 5 | 5 | 5 | 12 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | 12 | 5 | 5 | 5 | 5 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 普通办公室 | 5 | 5 | 5 | 5 | 5 | 12 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | 12 | 5 | 5 | 5 | 5 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 普通办公室 | 5 | 5 | 5 | 5 | 5 | 12 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | 12 | 5 | 5 | 5 | 5 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 普通教室 | 5 | 5 | 5 | 5 | 5 | 12 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | 12 | 5 | 5 | 5 | 5 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 楼梯间 | 12 | 12 | 12 | 12 | 12 | 12 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 12 | 12 | 12 | 12 | 12 | 12 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 设备间 | 12 | 12 | 12 | 12 | 12 | 12 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 12 | 12 | 12 | 12 | 12 | 12 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

注：上行：工作日；下行：节假日

### 工作日/节假日人员逐时在室率(%)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 房间类型 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 休息室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 会议室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 办公建筑 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 卫生间 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 多媒体教室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 实验教室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 普通办公室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 普通办公室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 普通教室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 楼梯间 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 50 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 70 | 50 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 设备间 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 50 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 70 | 50 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

注：上行：工作日；下行：节假日

### 工作日/节假日照明开关时间表(%)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 房间类型 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 休息室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 会议室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 办公建筑 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 卫生间 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 多媒体教室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 实验教室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 普通办公室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 普通办公室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 普通教室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 80 | 80 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 楼梯间 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 50 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 80 | 90 | 100 | 100 | 100 | 10 | 10 | 10 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 设备间 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 50 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 80 | 90 | 100 | 100 | 100 | 10 | 10 | 10 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

注：上行：工作日；下行：节假日

### 工作日/节假日设备逐时使用率(%)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 房间类型 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 休息室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 50 | 50 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 会议室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 50 | 50 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 办公建筑 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 50 | 50 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 卫生间 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 50 | 50 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 多媒体教室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 50 | 50 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 实验教室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 50 | 50 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 普通办公室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 50 | 50 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 普通办公室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 50 | 50 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 普通教室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 95 | 95 | 95 | 50 | 50 | 95 | 95 | 95 | 95 | 30 | 30 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 楼梯间 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 50 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 70 | 50 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 设备间 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 50 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 70 | 50 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

注：上行：工作日；下行：节假日

### 工作日/节假日空调系统运行时间表(1:开,0:关)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 系统编号 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 默认 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

注：上行：工作日；下行：节假日

### 工作日/节假日新风运行时间表(%)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 系统编号 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 默认 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

注：上行：工作日；下行：节假日