**超低能耗**

**建筑能效报告书**

公共建筑

|  |  |
| --- | --- |
| 工程名称 | 新建项目  |
| 工程地点 | 湖南-长沙 |
| 设计编号 | BKA70432 |
| 建设单位 | 湖南大学 |
| 设计单位 |  |
| 设 计 人 |  |
| 审 核 人 |  |
| 审 定 人 |  |
| 设计日期 | 2024年12月28日 |



|  |  |
| --- | --- |
| 采用软件 | 超低能耗PHES2024 |
| 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 | T18711922979  |

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# 建筑概况

|  |  |
| --- | --- |
| 工程名称 | 新建项目 |
| 工程地点 | 湖南-长沙 |
| 地理位置 | 北纬：28.00° | 东经：113.08° |
| 建筑面积(m2) | 地上3418 地下0 |
| 建筑层数 | 地上3 地下0 |
| 建筑高度（m） | 地上12.0 地下0.0 |
| 建筑体积(m3) | 13673.33 |
| 建筑外表面积(m2) | 4695.02 |
| 建筑气密性（换气次数N50） | 0.60 |
| 建筑类型细化 | 办公建筑 |
| 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 |
| 控温期 | 供冷期:6.14-8.31,供暖期:11.30-2.28 |

# 评估依据

1. 《近零能耗建筑技术标准》(GB/T51350-2019)

2. 《公共建筑节能设计标准》(GB50189-2015)

3. 《民用建筑热工设计规范》(GB50176-2016-2016)

4. 《建筑幕墙、门窗通用技术条件》(GB/T31433-2015)

# 气象数据

## 气象地点

湖南-长沙, 《建筑节能气象参数标准》

## 逐日干球温度表



## 逐月辐照量表



## 峰值工况

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 气象数据 | 时刻 | 干球温度(℃) | 湿球温度(℃) | 含湿量(g/kg) | 焓值(kj/kg) |
| 最热 | 08月02日15时 | 40.6 | 26.7 | 17.1 | 84.8 |
| 最冷 | 01月10日06时 | -1.1 | -1.1 | 3.4 | 7.4 |

# 建筑大样



西南轴侧图



东南轴侧图



西北轴侧图



东北轴侧图

# 围护结构

## 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) |
| 水泥刨花板 | 0.190 | 4.560 | 700.0 | 2149.9 | 0.0000 | 湖南省公/居建节能设计标准常用材料-2022 |
| 松木、云杉（热流方向垂直木纹） | 0.140 | 3.850 | 500.0 | 2911.8 | 0.0000 | 湖南省公/居建节能设计标准常用材料-2022 |
| 改性玻化微珠轻质砂浆（保温隔热型） | 0.100 | 3.120 | 600.0 | 2231.0 | 0.0000 | 湖南省公/居建节能设计标准常用材料-2022 |
| 屋面复合防水保温装饰板（与水泥聚苯颗粒复合） | 0.070 | 1.500 | 180.0 | 2455.5 | 0.0000 | 湖南省公/居建节能设计标准常用材料-2022 |
| SBS改性沥青防水卷材 | 0.230 | 9.370 | 900.0 | 5832.3 | 0.0000 | 湖南省公/居建节能设计标准常用材料-2022 |
| 胶合板 | 0.170 | 4.570 | 600.0 | 2815.6 | 0.0000 | 湖南省公/居建节能设计标准常用材料-2022 |
| 膨胀玻化微珠保温装饰板 | 0.058 | 1.200 | 280.0 | 1219.3 | 0.0000 | 湖南省公/居建节能设计标准常用材料-2022 |
| 挤塑聚苯乙烯泡沫塑料（带表皮） | 0.030 | 0.340 | 35.0 | 1380.0 | 0.0000 |  |
| 内置成孔芯模混凝土空心楼板（220mm厚） | 0.810 | 4.030 | 1780.0 | 154.9 | 0.0000 | 湖南省公/居建节能设计标准常用材料-2022 |
| 混凝土多孔砖(190六孔砖） | 0.750 | 7.490 | 1450.0 | 709.4 | 0.0000 |  |

## 屋顶

### 屋顶构造一

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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 |
| 屋面复合防水保温装饰板（与水泥聚苯颗粒复合） | 20 | 0.070 | 1.500 | 1.25 | 0.229 | 0.429 |
| SBS改性沥青防水卷材 | 20 | 0.230 | 9.370 | 1.20 | 0.072 | 0.815 |
| 内置成孔芯模混凝土空心楼板（220mm厚） | 60 | 0.810 | 4.030 | 1.00 | 0.074 | 0.299 |
| 改性玻化微珠轻质砂浆（保温隔热型） | 40 | 0.100 | 3.120 | 1.20 | 0.333 | 1.248 |
| 挤塑聚苯乙烯泡沫塑料（带表皮） | 60 | 0.030 | 0.340 | 1.20 | 1.667 | 0.680 |
| 各层之和∑ | 200 | － | － | － | 2.375 | 3.470 |
| 外表面太阳辐射吸收系数 | 0.75[默认] |
| 传热系数K=1/(0.15+∑R) | 0.40 |

## 天窗类型

 本工程无此项内容

## 外墙

### 外墙相关构造

#### 外墙构造一

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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 |
| 松木、云杉（热流方向垂直木纹） | 40 | 0.140 | 3.850 | 1.00 | 0.286 | 1.100 |
| 胶合板 | 20 | 0.170 | 4.570 | 1.00 | 0.118 | 0.538 |
| 改性玻化微珠轻质砂浆（保温隔热型） | 100 | 0.100 | 3.120 | 1.20 | 0.833 | 3.120 |
| 胶合板 | 20 | 0.170 | 4.570 | 1.00 | 0.118 | 0.538 |
| 挤塑聚苯乙烯泡沫塑料（带表皮） | 60 | 0.030 | 0.340 | 1.20 | 1.667 | 0.680 |
| 各层之和∑ | 240 | － | － | － | 3.021 | 5.975 |
| 外表面太阳辐射吸收系数 | 0.75[默认] |
| 传热系数K=1/(0.15+∑R) | 0.32 |

#### 外墙构造一

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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 |
| 水泥刨花板 | 20 | 0.190 | 4.560 | 1.00 | 0.105 | 0.480 |
| 挤塑聚苯乙烯泡沫塑料（带表皮） | 20 | 0.030 | 0.340 | 1.20 | 0.556 | 0.227 |
| 水泥刨花板 | 20 | 0.190 | 4.560 | 1.00 | 0.105 | 0.480 |
| 膨胀玻化微珠保温装饰板 | 200 | 0.058 | 1.200 | 1.00 | 3.448 | 4.138 |
| 胶合板 | 20 | 0.170 | 4.570 | 1.00 | 0.118 | 0.538 |
| 各层之和∑ | 280 | － | － | － | 4.332 | 5.862 |
| 外表面太阳辐射吸收系数 | 0.75[默认] |
| 传热系数K=1/(0.15+∑R) | 0.22 |
| 修正后K, D | K = 1.13, D = 5.86 |
| 修正原因 |  |

### 外墙平均热工特性

1.　南向

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 构造名称 | 构件类型 | 面积(㎡) | 面积所占比例 | 传热系数KW / (㎡K) | 热惰性指标D | 太阳辐射吸收系数 |
| 外墙构造一 | 主墙体 | 274.35 | 1.000 | 0.32 | 5.98 | 0.75 |

2.　北向

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 构造名称 | 构件类型 | 面积(㎡) | 面积所占比例 | 传热系数KW / (㎡K) | 热惰性指标D | 太阳辐射吸收系数 |
| 外墙构造一 | 主墙体 | 350.15 | 0.984 | 0.32 | 5.98 | 0.75 |
| 外墙构造一 | 外墙（剪力墙） | 5.60 | 0.016 | 1.13 | 5.86 | 0.75 |
| 合计 |  | 355.75 | 1.000 | 0.33 | 5.97 | 0.75 |

3.　东向

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 构造名称 | 构件类型 | 面积(㎡) | 面积所占比例 | 传热系数KW / (㎡K) | 热惰性指标D | 太阳辐射吸收系数 |
| 外墙构造一 | 主墙体 | 324.23 | 1.000 | 0.32 | 5.98 | 0.75 |

4.　西向

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 构造名称 | 构件类型 | 面积(㎡) | 面积所占比例 | 传热系数KW / (㎡K) | 热惰性指标D | 太阳辐射吸收系数 |
| 外墙构造一 | 主墙体 | 308.19 | 0.972 | 0.32 | 5.98 | 0.75 |
| 外墙构造一 | 外墙（剪力墙） | 8.80 | 0.028 | 1.13 | 5.86 | 0.75 |
| 合计 |  | 316.99 | 1.000 | 0.34 | 5.97 | 0.75 |

5.　总体

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 构造名称 | 构件类型 | 面积(㎡) | 面积所占比例 | 传热系数KW / (㎡K) | 热惰性指标D | 太阳辐射吸收系数 |
| 外墙构造一 | 主墙体 | 1256.91 | 0.989 | 0.32 | 5.98 | 0.75 |
| 外墙构造一 | 外墙（剪力墙） | 14.40 | 0.011 | 1.13 | 5.86 | 0.75 |
| 合计 |  | 1271.31 | 1.000 | 0.32 | 5.97 | 0.75 |

## 外窗热工

### 外窗

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 序号 | 构造名称 | 构造编号 | 传热系数 | 窗遮阳系数 | 可见光透射比 | 数据来源 |
| 1 | 86系列内平开木窗 5+12A+5Low-E+12A+5Low-E | 65 | 1.40 | 0.32 | 0.620 | 湖南省超低能耗居住建筑设计标准 DBJ43/T 017-2021 |
| 窗编号 |
| 幕墙 |
| 2 | 断桥铝合金型材窗多腔密封35mm 6 高透光双银 Low-E+12A+6 透明(暖边间隔条) | 18 | 1.92 | 0.40 | 0.680 | 湖南省居住建筑节能设计标准 DBJ43/T025-2022 |
| 窗编号 |
| C1230，C2030，C2718，C3030，，C2815，C1415，C2712，C2818，C1318，C2430，C2615，C2715，C2812 |

### 外遮阳类型

已启用环境遮阳.

#### 百叶遮阳



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 编号 | 挑出A (m) | 百叶间距D (m) | 下垂C (m) |
| 1 | 百叶遮阳0 | 0.200 | 0.400 | 0.200 |

### 总体热工性能

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 朝向 | 面积 | 传热系数 | 夏季综合太阳得热系数 | 冬季综合太阳得热系数 | 窗墙比 | 标准要求 | 结论 |
| 南向 | 244.55 | 1.49 | 0.20 | 0.20 | 0.44 | K≤2.20, SHGCSum≤0.15, SHGCWin≥0.40 | 不需要 |
| 北向 | 256.07 | 1.66 | 0.25 | 0.26 | 0.40 | K≤2.20, SHGCSum≤0.15, SHGCWin≥0.40 | 不需要 |
| 东向 | 255.78 | 1.63 | 0.28 | 0.28 | 0.41 | K≤2.20, SHGCSum≤0.15, SHGCWin≥0.40 | 不需要 |
| 西向 | 251.71 | 1.71 | 0.29 | 0.29 | 0.42 | K≤2.20, SHGCSum≤0.15, SHGCWin≥0.40 | 不需要 |
| 综合平均 | 1008.12 | 1.62 | 0.26 | 0.26 | 0.42 |  |  |
| 标准依据 | 《近零能耗建筑技术标准》(GB/T51350-2019)第6.1.5条 |
| 标准要求 | K和SHGC值可按表6.1.5-2选取 |
| 结论 | 不需要 |

注：本表所统计的外窗包含凸窗。

## 外窗气密性

|  |  |
| --- | --- |
| 最不利气密性等级 | 6级（窗编号：C1230） |
| 外窗气密性措施 |  |
| 标准依据 | 《近零能耗建筑技术标准》第6.1.4条，分级与检测方法《建筑幕墙、门窗通用技术条件》(GB/T31433-2015) |
| 标准要求 | 外窗及外门户门气密性不宜低于《建筑幕墙、门窗通用技术条件》(GB/T31433-2015)的8级 |
| 结论 | 不适宜 |

## 外门气密性

|  |  |
| --- | --- |
| 最不利气密性等级 | 4级（窗编号：M0921） |
| 外门气密性措施 |  |
| 标准依据 | 《近零能耗建筑技术标准》第6.1.4条，分级与检测方法《建筑幕墙、门窗通用技术条件》(GB/T31433-2015) |
| 标准要求 | 外窗及外门户门气密性不宜低于《建筑幕墙、门窗通用技术条件》(GB/T31433-2015)的6级 |
| 结论 | 不适宜 |

## 户门气密性

|  |  |
| --- | --- |
| 最不利气密性等级 | － |
| 户门气密性措施 |  |
| 标准依据 | 《近零能耗建筑技术标准》第6.1.4条，分级与检测方法《建筑幕墙、门窗通用技术条件》(GB/T31433-2015) |
| 标准要求 | 外窗及外门户门气密性不宜低于《建筑幕墙、门窗通用技术条件》(GB/T31433-2015)的6级 |
| 结论 | － |

## 规定项检查

|  |  |  |
| --- | --- | --- |
| 序号 | 检查项 | 结论 |
| 1 | 屋顶 | 不需要 |
| 2 | 天窗类型 | 无屋顶透光部分 |
| 3 | 外墙 | 不需要 |
| 4 | 外窗热工 | 不需要 |
| 5 | 外窗气密性 | 不适宜 |
| 6 | 外门气密性 | 不适宜 |
| 7 | 户门气密性 | 适宜 |

# 围护结构概况

|  |  |  |
| --- | --- | --- |
|  | 设计建筑 | 基准建筑 |
| 屋顶传热系数K和热惰性指标 D | 0.403.47 | 0.503.26 |
| 外墙传热系数K和热惰性指标 D | 0.325.97 | 0.803.19 |
| 挑空(或架空)楼板传热系数K和热惰性指标 D | 0.324.15 | 0.703.25 |
| 天窗传热系数K和太阳得热系数 SHGC | －－ | －－ |
| 外窗（包括透明幕墙） | 朝向 | 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 | 0.44 | 1.49 | 0.20 | 0.31 | 2.60 | 0.40 |
| 北向 | 0.40 | 1.66 | 0.26 | 0.31 | 2.60 | 0.44 |
| 东向 | 0.41 | 1.63 | 0.28 | 0.31 | 2.60 | 0.40 |
| 西向 | 0.42 | 1.71 | 0.29 | 0.31 | 2.60 | 0.40 |

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.

# 设计建筑

## 房间类型

### 房间参数表

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 房间类型 | 空调温度℃ | 供暖温度℃ | 新风量 | 渗透风换气次数 | 人员密度 | 照明功率密度 | 电器设备功率 |
| 健身活动室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 8(㎡/人) | 8(W/㎡) | 0(W/㎡) |
| 办公-普通办公室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 10(㎡/人) | 8(W/㎡) | 13(W/㎡) |
| 卫生间 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 10(㎡/人) | 8(W/㎡) | 13(W/㎡) |
| 文印间 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 10(㎡/人) | 8(W/㎡) | 13(W/㎡) |
| 普通办公室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 10(㎡/人) | 8(W/㎡) | 13(W/㎡) |
| 普通办公室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 10(㎡/人) | 8(W/㎡) | 13(W/㎡) |
| 普通教室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 1.12(㎡/人) | 8(W/㎡) | 5(W/㎡) |
| 楼梯间 | － | － | 20(m3/h.人) | 0(次/h) | 50(㎡/人) | 0(W/㎡) | 0(W/㎡) |
| 舞蹈教室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 1.12(㎡/人) | 8(W/㎡) | 5(W/㎡) |
| 走廊 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 20(㎡/人) | 8(W/㎡) | 0(W/㎡) |
| 餐厅 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 4(㎡/人) | 8(W/㎡) | 0(W/㎡) |

### 作息时间表

详见附录

## 系统类型

### 系统分区

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 系统编号 | 系统类型 | 制冷SEER | 制热HSPF | 面积(㎡) | 包含的房间 |
| 默认 | 多联式空调(热泵)机组 | 4.00[全年能源消耗效率(APF)] | 3105.94 | 所有房间 |

### 热回收参数

|  |  |  |  |
| --- | --- | --- | --- |
| 系统编号 | 热回收 | 供冷 | 供暖 |
| 回收效率 | 启动温(焓)差 | 回收效率 | 启动温(焓)差 |
| 默认 | 显热回收 | 0.60 | 5℃ | 0.65 | 5(℃) |

## 制冷系统

### 多联机/单元式空调能耗

|  |  |  |  |
| --- | --- | --- | --- |
| 系统编号 | 制冷SEER | 耗冷量(kWh) | 耗电量(kWh) |
| 默认 | 4.00[全年能源消耗效率(APF)] | 105924 | 26481 |

## 供暖系统

### 多联机/单元式热泵能耗

|  |  |  |  |
| --- | --- | --- | --- |
| 系统编号 | 制热HSPF | 耗热量(kWh) | 耗电量(kWh) |
| 默认 | 4.00[全年能源消耗效率(APF)] | 34390 | 8598 |

## 照明

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 房间类型 | 单位面积电耗(kWh/㎡) | 房间个数 | 房间合计面积(㎡) | 合计电耗(kWh) |
| 健身活动室 | 12.26 | 4 | 382 | 4681 |
| 卫生间 | 22.78 | 4 | 93 | 2127 |
| 文印间 | 21.02 | 1 | 23 | 488 |
| 普通办公室 | 21.02 | 12 | 319 | 6702 |
| 普通教室 | 15.80 | 7 | 984 | 15553 |
| 楼梯间 | 0.00 | 2 | 36 | 0 |
| 舞蹈教室 | 15.80 | 1 | 86 | 1357 |
| 走廊 | 2.28 | 6 | 1245 | 2835 |
| 餐厅 | 17.66 | 1 | 106 | 1865 |
| 总计 | 35608 |

## 光伏发电

日照辐照量(kJ/㎡.天)：11589，年运行天数：365

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 光伏板面积(㎡) | 光电转换效率(%) | 光伏系统效率 | 光伏电池性能衰减修正系数 | 全年供电(kWh) |
| 20 | 15 | 0.75 | 0.85 | 2247 |
| 180 | 15 | 0.75 | 0.85 | 20225 |
| 总计 | 22472 |

## 风力发电

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 地形 | 叶片直径(m) | 叶片离地高度(m) | 年可利用平均风速(m/s) | 转换效率 | 台数 | 年供电(kWh) |
| 有护栏的农村,临时的农村建筑、房屋 | 2 | 12 | 5 | 0.35 | 10 | 2 |
| 总计 | 2 |

## 负荷分项统计

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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/㎡) | -6.70 | 3.38 | 1.05 | -15.98 | 8.19 | -10.06 |
| 供冷(kWh/㎡) | 4.18 | 3.98 | 1.72 | 22.66 | -1.55 | 30.99 |





## 逐月负荷表

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 月份 | 供暖(kWh) | 供冷(kWh) | 热负荷峰值(kW) | 热负荷峰值时刻 | 冷负荷峰值(kW) | 冷负荷峰值时刻 |
| 1月 | 13351 | 0 | 324.914 | 1月2日8时 | 0.000 | -- |
| 2月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 3月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 4月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 5月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 6月 | 0 | 40134 | 0.000 | -- | 470.290 | 6月24日16时 |
| 7月 | 0 | 39410 | 0.000 | -- | 482.076 | 7月9日12时 |
| 8月 | 0 | 26380 | 0.000 | -- | 662.630 | 8月26日8时 |
| 9月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 10月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 11月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 12月 | 21039 | 0 | 225.061 | 12月23日8时 | 0.000 | -- |





# 基准建筑

## 房间类型

### 房间参数表

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 房间类型 | 空调温度℃ | 供暖温度℃ | 新风量 | 渗透风换气次数 | 人员密度 | 照明功率密度 | 电器设备功率 |
| 健身活动室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 8(㎡/人) | 11(W/㎡) | 0(W/㎡) |
| 办公-普通办公室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 10(㎡/人) | 9(W/㎡) | 13(W/㎡) |
| 卫生间 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 10(㎡/人) | 8(W/㎡) | 13(W/㎡) |
| 文印间 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 10(㎡/人) | 9(W/㎡) | 13(W/㎡) |
| 普通办公室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 10(㎡/人) | 9(W/㎡) | 13(W/㎡) |
| 普通办公室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 10(㎡/人) | 8(W/㎡) | 13(W/㎡) |
| 普通教室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 1.12(㎡/人) | 9(W/㎡) | 5(W/㎡) |
| 楼梯间 | － | － | 20(m3/h.人) | 0(次/h) | 50(㎡/人) | 0(W/㎡) | 0(W/㎡) |
| 舞蹈教室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 1.12(㎡/人) | 9(W/㎡) | 5(W/㎡) |
| 走廊 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 20(㎡/人) | 10(W/㎡) | 0(W/㎡) |
| 餐厅 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 4(㎡/人) | 9(W/㎡) | 0(W/㎡) |

### 作息时间表

同设计建筑

## 系统类型

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 系统编号 | 系统类型 | 制冷SEER | 制热HSPF | 面积(㎡) | 包含的房间 |
| 默认 | 双管制风机盘管 | － | － | 同设计建筑 | 同设计建筑 |

## 制冷系统

### 默认冷源

#### 供应的系统

|  |  |
| --- | --- |
| 系统编号 | 默认 |

#### 冷水机组

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 名称 | 类型 | 额定耗电量(kW) | 额定制冷量(kW) | 额定性能系数(COP) | 台数 | 全年供冷量(kWh) | 综合部分负荷性能系数(IPLV) | 电耗(kWh) |
| 机组1 | 水冷-螺杆式冷水机组 | 132.76 | 690.33 | 5.20 | 1 | 116202 | 5.90 | 19695 |
| 合计 | 19695 |

#### 冷却水泵

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 机组名称 | 冷水机组制冷量(kW) | 机组性能系数(COP) | 冷凝负荷(kW) | 输送能效比 | 运行时长(h) | 水泵电耗(kWh) |
| 机组1 | 690 | 5.20 | 823 | 0.0214 | 286 | 5038 |
| 合计 | 690 |  | 823 |  |  | 5038 |

#### 冷冻水泵

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 机组名称 | 机组制冷量(kW) | 输送能效比 | 运行时长(h) | 水泵电耗(kWh) |
| 机组1 | 690 | 0.0241 | 286 | 4758 |
| 合计 | 690 |  |  | 4758 |

#### 冷却塔

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 类型 | 机组制冷量(kW) | 冷却塔风机单位电耗制冷量(kW/kW) | 冷却塔风机功率(kW) | 运行时长(h) | 冷却塔电耗(kWh) |
| 冷却塔 | 690 | 170 | 4.06 | 286 | 1161 |

## 供暖系统

### 默认热源

#### 供应的系统

|  |  |
| --- | --- |
| 系统编号 | 默认 |

#### 热水锅炉能耗

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 燃料类型 | 容量(MW) | 台数 | 累计热负荷(kWh) | 锅炉热效率 | 外网热输送效率 | 天然气热值(kWh/m3) | 天然气消耗(m3) |
| 燃气 | 0.57 | 1 | 72548 | 0.88 | 0.92 | 9.85 | 9097.44 |

#### 热水循环水泵能耗

|  |  |  |  |
| --- | --- | --- | --- |
| 锅炉制热量(kW) | 输送能效比 | 运行时长(h) | 供暖水泵电耗(kWh) |
| 565 | 0.00433 | 341 | 835 |

## 照明

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 房间类型 | 单位面积电耗(kWh/㎡) | 房间个数 | 房间合计面积(㎡) | 合计电耗(kWh) |
| 健身活动室 | 16.86 | 4 | 382 | 6437 |
| 卫生间 | 22.78 | 4 | 93 | 2127 |
| 文印间 | 23.65 | 1 | 23 | 549 |
| 普通办公室 | 23.65 | 12 | 319 | 7540 |
| 普通教室 | 17.78 | 7 | 984 | 17498 |
| 楼梯间 | 0.00 | 2 | 36 | 0 |
| 舞蹈教室 | 17.78 | 1 | 86 | 1526 |
| 走廊 | 2.85 | 6 | 1245 | 3543 |
| 餐厅 | 19.87 | 1 | 106 | 2098 |
| 总计 | 41318 |

## 负荷分项统计

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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/㎡) | -9.91 | 3.60 | 1.06 | -15.97 | 0.00 | -21.22 |
| 供冷(kWh/㎡) | 4.90 | 4.26 | 1.75 | 23.09 | 0.00 | 33.99 |





## 逐月负荷表

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 月份 | 供暖(kWh) | 供冷(kWh) | 热负荷峰值(kW) | 热负荷峰值时刻 | 冷负荷峰值(kW) | 冷负荷峰值时刻 |
| 1月 | 26380 | 0 | 497.939 | 1月2日8时 | 0.000 | -- |
| 2月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 3月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 4月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 5月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 6月 | 0 | 44635 | 0.000 | -- | 476.919 | 6月24日16时 |
| 7月 | 0 | 42722 | 0.000 | -- | 546.972 | 7月12日15时 |
| 8月 | 0 | 28844 | 0.000 | -- | 658.260 | 8月26日8时 |
| 9月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 10月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 11月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 12月 | 46168 | 0 | 392.562 | 12月23日8时 | 0.000 | -- |





# 能效结果

## 建筑能耗

|  |
| --- |
| **设计建筑** |
| 用能分类 | 能耗值 | 一次能源(kWh/㎡) |
| 电力(kWh/㎡) | 供冷 | 中央冷源 | 0.00 | 0.00 |
| 冷却水泵 | 0.00 | 0.00 |
| 冷冻水泵 | 0.00 | 0.00 |
| 冷却塔 | 0.00 | 0.00 |
| 多联机/单元式空调 | 7.75 | 20.15 |
| 供暖 | 中央热源 | 0.00 | 0.00 |
| 供暖水泵 | 0.00 | 0.00 |
| 多联机/单元式热泵 | 2.52 | 6.55 |
| 热源侧水泵 | 0.00 | 0.00 |
| 照明 | 10.42 | 27.09 |
| 生活热水 | 0.00 | 0.00 |
| 电梯 | 0.00 | 0.00 |
| 标准煤(kgce/㎡) | 供暖锅炉 | 0.00 | 0.00 |
| 天然气(m³/㎡) | 供暖锅炉 | 0.00 | 0.00 |
| 生活热水 | 0.00 | 0.00 |
| 市政热力(kWh/㎡) | 市政热力 | 0.00 | 0.00 |
| 可再生发电(kWh/㎡) | 光伏发电 | 6.57 | 17.08 |
| 风力发电 | 0.00 | 0.00 |
| 建筑本体能耗(一次能源) (kWh/㎡) | 53.76 |
| 建筑综合能耗(一次能源) (kWh/㎡) | 36.67 |

|  |
| --- |
| **基准建筑** |
| 用能分类 | 能耗值 | 一次能源(kWh/㎡) |
| 电力(kWh/㎡) | 供冷 | 中央冷源 | 5.76 | 14.98 |
| 冷却水泵 | 1.47 | 3.82 |
| 冷冻水泵 | 1.39 | 3.61 |
| 冷却塔 | 0.34 | 0.88 |
| 多联机/单元式空调 | 0.00 | 0.00 |
| 供暖 | 中央热源 | 0.00 | 0.00 |
| 供暖水泵 | 0.24 | 0.62 |
| 多联机/单元式热泵 | 0.00 | 0.00 |
| 照明 | 12.09 | 31.43 |
| 生活热水 | 0.00 | 0.00 |
| 电梯 | 0.00 | 0.00 |
| 标准煤(kgce/㎡) | 供暖锅炉 | 0.00 | 0.00 |
| 天然气(m³/㎡) | 供暖锅炉 | 2.66 | 26.20 |
| 生活热水 | 0.00 | 0.00 |
| 市政热力(kWh/㎡) | 市政热力 | 0.00 | 0.00 |
| 建筑本体能耗(一次能源) (kWh/㎡) | 81.59 |
| 建筑综合能耗(一次能源) (kWh/㎡) | 81.59 |







## 结论

|  |  |  |
| --- | --- | --- |
|  | 设计建筑 | 基准建筑 |
| 建筑本体能耗(一次能源) (kWh/㎡) | 53.76 | 81.59 |
| 建筑综合能耗(一次能源) (kWh/㎡) | 36.67 | 81.59 |
|  | 值 | 限值 |
| 建筑本体能耗节能率(%) | 34.10 | 20.00 |
| 建筑综合能耗节能率(%) | 55.05 | 50.00 |
| 标准依据 | 《近零能耗建筑技术标准》(GB/T51350-2019)表5.0.4 |
| 标准要求 | 建筑综合节能率应≥50%; 建筑本体节能率应符合表5.0.4的要求 |
| 结论 | 满足 |

# 附录

暑假:7.15~8.25; 寒假：1.15~3.1

## 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 |
| 健身活动室 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 办公-普通办公室 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 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 |
| 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 | 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 | 0 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 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 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 文印间 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 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 |
| 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 | 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 | 0 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 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 |
| 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 | 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 | 0 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 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 |
| 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 | 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 | 0 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 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 |
| 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 | 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 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 舞蹈教室 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 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 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 走廊 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 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 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 餐厅 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

注：第一行：工作日；第二行：节假日；第三行：寒假；第四行：暑假

## 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 |
| 健身活动室 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 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 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 办公-普通办公室 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 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 | 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 | 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 | 100 | 100 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 文印间 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 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 | 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 | 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 | 0 | 100 | 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 | 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 | 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 | 100 | 100 | 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 | 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 | 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 | 0 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 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 |
| 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 | 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 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 舞蹈教室 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 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 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 走廊 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 餐厅 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

注：第一行：工作日；第二行：节假日；第三行：寒假；第四行：暑假

## 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 |
| 健身活动室 | 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 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| 办公-普通办公室 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 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 |
| 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 | 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 | 0 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 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 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 文印间 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 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 |
| 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 | 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 | 0 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 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 |
| 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 | 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 | 0 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 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 |
| 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 | 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 | 0 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 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 |
| 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 | 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 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 舞蹈教室 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 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 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 走廊 | 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 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| 餐厅 | 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 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 |

注：第一行：工作日；第二行：节假日；第三行：寒假；第四行：暑假

## 工作日/节假日空调系统运行时间表(1:开,0:关)

采暖期：

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

供冷期：

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

注：第一行：工作日；第二行：节假日；第三行：寒假；第四行：暑假

## 工作日/节假日新风运行时间表(%)

采暖期：

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

供冷期：

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
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注：第一行：工作日；第二行：节假日；第三行：寒假；第四行：暑假