**建筑全能耗报告书**

公共建筑

|  |  |
| --- | --- |
| 工程名称 | 武汉办公建筑 |
| 工程地点 | 湖北-武汉 |
| 设计编号 |  |
| 建设单位 |  |
| 设计单位 |  |
| 设 计 人 |  |
| 审 核 人 |  |
| 审 定 人 |  |
| 设计日期 | 2024年12月25日 |



|  |  |
| --- | --- |
| 采用软件 | 能耗计算BESI2024 |
| 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 | T18995926164 |

**目 录**

[1 建筑概况 4](#_Toc941)

[2 计算依据 4](#_Toc7651)

[3 软件介绍 4](#_Toc19900)

[4 气象数据 5](#_Toc8302)

[4.1 气象地点 5](#_Toc10386)

[4.2 逐日干球温度表 5](#_Toc23212)

[4.3 逐月辐照量表 5](#_Toc17216)

[4.4 峰值工况 6](#_Toc12686)

[5 围护结构 6](#_Toc16498)

[5.1 工程材料 6](#_Toc20623)

[5.2 围护结构作法简要说明 7](#_Toc19274)

[6 围护结构概况 7](#_Toc30096)

[7 房间类型 8](#_Toc5195)

[7.1 房间参数表 8](#_Toc22693)

[7.2 作息时间表 8](#_Toc32358)

[8 暖通空调系统 8](#_Toc30562)

[8.1 系统类型 8](#_Toc17831)

[8.1.1 系统分区 8](#_Toc1885)

[8.1.2 热回收参数 9](#_Toc29719)

[8.2 制冷系统 9](#_Toc12809)

[8.2.1 默认冷源 9](#_Toc24260)

[8.3 供暖系统 10](#_Toc3089)

[8.3.1 默认热源 10](#_Toc29724)

[8.4 空调风机 10](#_Toc3290)

[8.4.1 独立新排风 10](#_Toc11763)

[8.4.2 风机盘管 11](#_Toc11997)

[9 照明 11](#_Toc19697)

[10 插座设备 11](#_Toc26605)

[11 生活热水 12](#_Toc28734)

[11.1 热水需求 12](#_Toc24752)

[11.2 太阳能集热 12](#_Toc29593)

[11.3 热水设备 12](#_Toc19663)

[12 电梯 12](#_Toc3917)

[12.1 直梯 12](#_Toc4515)

[13 光伏发电 13](#_Toc20635)

[14 计算结果 13](#_Toc6007)

[14.1 负荷分项统计 13](#_Toc30347)

[14.2 逐月负荷表 14](#_Toc16778)

[14.3 逐月电耗 15](#_Toc24139)

[14.4 全年能耗 16](#_Toc11131)

[15 附录 18](#_Toc17284)

[15.1 工作日/节假日人员逐时在室率(%) 18](#_Toc32457)

[15.2 工作日/节假日照明开关时间表(%) 19](#_Toc31818)

[15.3 工作日/节假日设备逐时使用率(%) 20](#_Toc2436)

[15.4 工作日/节假日空调系统运行时间表(1:开,0:关) 21](#_Toc21905)

[15.5 工作日/节假日新风运行时间表(%) 21](#_Toc18282)

# 建筑概况

|  |  |  |
| --- | --- | --- |
| 工程名称 | 武汉办公建筑 | |
| 工程地点 | 湖北-武汉 | |
| 地理位置 | 北纬：30.58° | 东经：114.24° |
| 建筑面积(m2) | 地上11182 地下5193 | |
| 建筑层数 | 地上5 地下1 | |
| 建筑高度（m） | 地上22.5 地下6.0 | |
| 建筑体积(m3) | 52430.27 | |
| 建筑外表面积(m2) | 9294.14 | |
| 北向角度 | 120 | |
| 结构类型 |  | |
| 外墙太阳辐射吸收系数 | 0.29 | |
| 屋顶太阳辐射吸收系数 | 0.78 | |
| 控温期 | 供冷期:5.15-10.15,供暖期:11.30-2.28 | |

# 计算依据

1. 《绿色建筑评价标准》(GB/T50378-2019)

2. 《民用建筑绿色性能计算标准》(JGJ/T 449-2018)

3. 《建筑能效标识技术标准》(JGJ/T 288-2012)

4. 《建筑节能与可再生能源利用通用规范》GB55015-2021

5. 《公共建筑节能设计标准》GB50189-2015

6. 《民用建筑热工设计规范》GB50176-2016

7. 《建筑幕墙、门窗通用技术条件》GB/T31433-2015

# 软件介绍

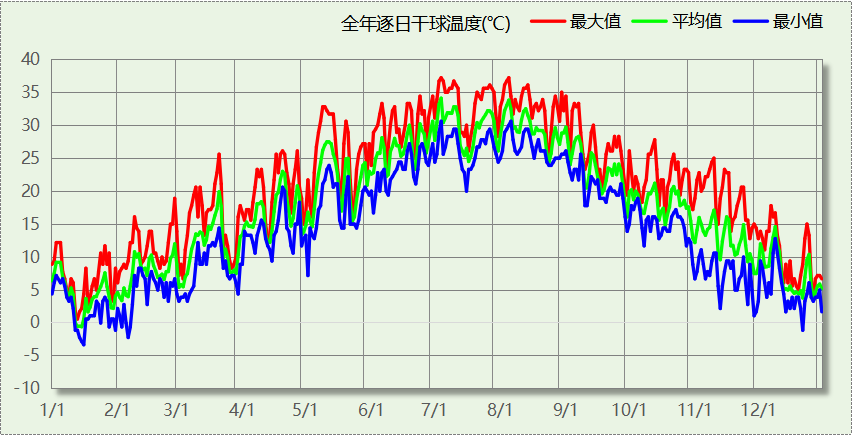
本报告内容由能耗计算BESI2024计算并输出，能耗计算BESI以CAD为平台，内置DOE2内核，可与建筑节能模型无缝对接，精准快速得到动态理想负荷，完美支持从《建筑能效标识技术标准》到《绿色建筑评价标准》要求的节能率，以及建筑全能耗的计算；软件充分考虑工程实际需求，从冷热源、输配水泵到末端风机，覆盖了常见暖通设备的能耗计算；并支持灵活的采暖供冷期、系统划分、运行策略设置等功能以及强大的结果数据分析。

# 气象数据

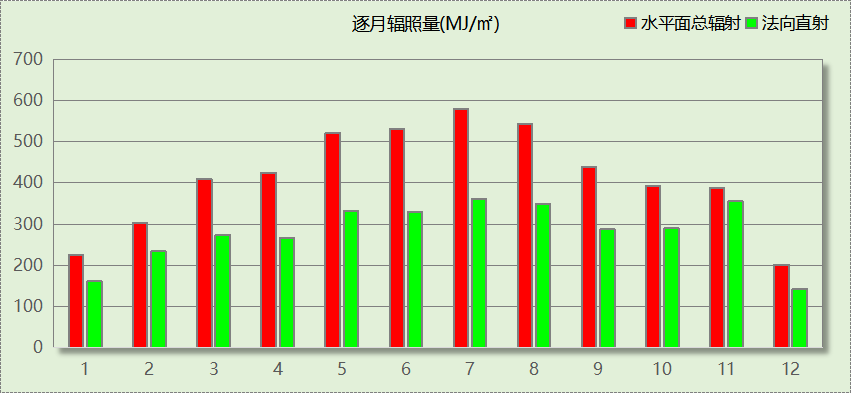
## 气象地点

湖北-武汉, 《建筑节能气象参数标准》JGJ346-2014

## 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 | 07月03日14时 | 37.2 | 27.8 | 20.5 | 90.1 |
| 最冷 | 01月15日02时 | -3.3 | -3.3 | 2.8 | 3.6 |

# 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) |
| 水泥砂浆 | 0.930 | 11.370 | 1800.0 | 1050.0 | 0.0210 | 民用建筑热工设计规范 GB50176-2016 |
| 石灰砂浆 | 0.810 | 10.070 | 1600.0 | 1050.0 | 0.0443 | 民用建筑热工设计规范 GB50176-2016 |
| 钢筋混凝土 | 1.740 | 17.200 | 2500.0 | 920.0 | 0.0158 | 民用建筑热工设计规范 GB50176-2016 |
| 聚合物砂浆（网格布） | 0.930 | 11.306 | 1800.0 | 1050.0 | 0.0000 | 安徽公共建筑节能设计标准 DB34 T753-2007 |
| 抹面层 | 1.000 | 0.009 | 1000.0 | 1000.0 | 0.0000 |  |
| 卷材防水层 | 1.000 | 0.009 | 1000.0 | 1000.0 | 0.0075 |  |
| 硬泡聚氨酯板、喷涂硬泡聚氨酯 | 0.024 | 0.540 | 35.0 | 3315.0 | 0.0234 | 湖南省公/居建节能设计标准常用材料-2022 |
| 石灰、水泥、砂、砂浆 | 0.870 | 10.750 | 1000.0 | 1000.0 | 0.0975 |  |
| 细石混凝土(钢筋混凝土) | 1.740 | 17.200 | 2500.0 | 935.2 | 0.0158 | 吉林居住建筑节能设计标准 DB22/T5034－2019 |
| 面砖 | 1.000 | 0.009 | 1000.0 | 1000.0 | 0.0000 |  |
| 挤塑聚苯乙烯泡沫塑料（带表皮） | 0.030 | 0.340 | 35.0 | 1380.0 | 0.0000 |  |
| 岩棉板 | 0.040 | 0.750 | 160.0 | 1208.6 | 0.4880 | 湖南省公/居建节能设计标准常用材料-2022 |
| 加气混凝土、泡沫混凝土(ρ=700)(1) | 0.200 | 3.027 | 700.0 | 1050.0 | 0.0998 |  |
| 轻骨料混凝土（ρ=1760-1850） | 0.890 | 7.882 | 1850.0 | 920.0 | 0.0040 | 沈阳市建筑节能设计文件编制深度规定2021 |
| 混凝土多孔砖(190六孔砖）(1) | 0.750 | 7.490 | 1450.0 | 709.4 | 0.0000 |  |

## 围护结构作法简要说明

**1. 屋顶：**屋顶构造一 (K=0.299,D=7.615)：（由上到下）

面砖 10mm＋水泥砂浆 45mm＋卷材防水层 6mm＋轻骨料混凝土（ρ=1760-1850） 300mm＋细石混凝土(钢筋混凝土) 40mm＋硬泡聚氨酯板、喷涂硬泡聚氨酯 68.6mm＋水泥砂浆 20mm＋钢筋混凝土 200mm＋石灰、水泥、砂、砂浆 20mm

**2. 外墙（填充墙）：**外墙构造一 (K=0.616,D=4.013)：（由外到内）

抹面层 5mm＋岩棉板 29.7mm＋聚合物砂浆（网格布） 15mm＋加气混凝土、泡沫混凝土(ρ=700)(1) 200mm＋石灰、水泥、砂、砂浆 20mm

**3. 外墙（剪力墙）：**外墙构造一 (K=1.113,D=2.941)：（由外到内）

水泥砂浆 20mm＋挤塑聚苯乙烯泡沫塑料（带表皮） 20mm＋水泥砂浆 20mm＋钢筋混凝土 200mm＋石灰砂浆 20mm

**4. 挑空楼板：**挑空楼板构造一 (K=0.537,D=2.768)：（由上到下）

钢筋混凝土 120mm＋岩棉板 77.9mm＋聚合物砂浆（网格布） 10mm＋抹面层 0mm

**5. 幕墙：**75系列平开(遮阳型6Low-E双银+12Ar+6+12Ar+6 充氩气 暖边)(隔热条宽34mm) (K=1.660)：

传热系数1.660W/㎡.K，窗太阳得热系数0.200

**6. 外窗：**75系列平开(遮阳型6Low-E双银+12Ar+6+12Ar+6 充氩气 暖边)(隔热条宽34mm) (K=1.660)：

传热系数1.660W/㎡.K，窗太阳得热系数0.200

# 围护结构概况

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | 设计建筑 | | |
| 屋顶传热系数K  和热情性指标 D | | | 0.30  7.62 | | |
| 外墙传热系数K  和热情性指标 D | | | 0.63  3.99 | | |
| 挑空(或架空)楼板传热系数K  和热惰性指标 D | | | 0.54  2.77 | | |
| 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 | 立面 | 窗墙比 | 传热  系数 | 太阳得热系数 |
| 南向 | 南-默认立面 | 0.52 | 1.66 | 0.20 |
| 东向 | 东-默认立面 | 0.44 | 1.66 | 0.20 |
| 西向 | 西-默认立面 | 0.56 | 1.66 | 0.20 |
|  |  |  |  |  |

# 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 |
| 会议室 | 26 | 18 | 14(m3/h.人) | 0(次/h) | 2.5(㎡/人) | 9(W/㎡) | 15(W/㎡) |
| 办公-普通办公室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 8(㎡/人) | 8(W/㎡) | 15(W/㎡) |
| 卫生间 | 28 | 18 | 20(m3/h.人) | 0(次/h) | 20(㎡/人) | 6(W/㎡) | 15(W/㎡) |
| 厨房 | 27 | 18 | 28(次/h) | 0(次/h) | 5(㎡/人) | 9(W/㎡) | 15(W/㎡) |
| 大厅 | 26 | 18 | 20(m3/h.人) | 0(次/h) | 50(㎡/人) | 5(W/㎡) | 15(W/㎡) |
| 报告厅 | 26 | 18 | 14(m3/h.人) | 0(次/h) | 2.5(㎡/人) | 9(W/㎡) | 15(W/㎡) |
| 接待室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 8(㎡/人) | 9(W/㎡) | 15(W/㎡) |
| 普通办公室 | 26 | 20 | 30(m3/h.人) | 0(次/h) | 8(㎡/人) | 9(W/㎡) | 15(W/㎡) |
| 档案室 | 26 | 18 | 30(m3/h.人) | 0(次/h) | 8(㎡/人) | 7(W/㎡) | 15(W/㎡) |
| 楼梯间 | － | － | 0(m3/h.人) | 0(次/h) | 0(人) | 5(W/㎡) | 15(W/㎡) |
| 空房间 | － | － | 0(m3/h.人) | 0(次/h) | 0(人) | 0(W/㎡) | 0(W/㎡) |
| 设备间 | － | － | 0(次/h) | 0(次/h) | 0(人) | 6(W/㎡) | 15(W/㎡) |
| 走廊 | 26 | 16 | 20(m3/h.人) | 0(次/h) | 50(㎡/人) | 5(W/㎡) | 15(W/㎡) |
| 车库 | － | － | 0(次/h) | 0(次/h) | 0(人) | 4(W/㎡) | 15(W/㎡) |
| 餐厅 | 26 | 18 | 30(m3/h.人) | 0(次/h) | 2.5(㎡/人) | 9(W/㎡) | 15(W/㎡) |

## 作息时间表

详见附录

# 暖通空调系统

## 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 | 双管制风机盘管 | － | － | 7521.93 | 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 | 无 | － | － | － | － |

## 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 |
| 机组1 | 地源/水源热泵 | 60 | 300 | 5.00 | 4 |

#### 水泵系统

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 类型 | 调节 | 流量 (m3/h) | 扬程 (m) | 设计工作效率(%) | 输入功率 (kW) | 冷却塔耗电比 (kWh/m3) | 台数 |
| 冷却水泵 | 变频 | 50 | 25 | 80 | 4.9 | 0 | 4 |
| 冷冻水泵 | 变频 | 50 | 30 | 80 | 5.9 | － | 4 |

#### 运行工况

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 负载率 (%) | 机组制冷量 (kW) | 机组功率 (kW) | 性能系数 (COP) | 冷却水泵功率 (kW) | 冷冻水泵功率 (kW) | 冷却塔功率 (kW) |
| 20 | 240 | 25.24 | 9.51 | 4.86 | 4.4 | 0 |
| 40 | 480 | 54.11 | 8.87 | 9.58 | 8.61 | 0 |
| 60 | 720 | 89.11 | 8.08 | 14.6 | 12.99 | 0 |
| 80 | 960 | 124.03 | 7.74 | 19.19 | 16.99 | 0 |
| 100 | 1200 | 146.34 | 8.20 | 22.52 | 20.07 | 0 |

#### 制冷能耗

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 负荷区间 (%) | 区间负荷 (kWh) | 运行时长(h) | 制冷机组 (kWh) | 平均性能系数(COP) | 冷却水泵 (kWh) | 冷冻水泵 (kWh) | 冷却塔 (kWh) |
| 0~20 | 24833 | 227 | 2612 | 9.51 | 1103 | 999 | 0 |
| 20~40 | 116715 | 320 | 12773 | 9.14 | 3066 | 2755 | 0 |
| 40~60 | 280751 | 462 | 33339 | 8.42 | 6745 | 6001 | 0 |
| 60~80 | 182887 | 234 | 22892 | 7.99 | 4490 | 3976 | 0 |
| 80~100 | 1949 | 2 | 251 | 7.77 | 45 | 40 | 0 |
| >100 | 0 | 0 | 0 | － | 0 | 0 | 0 |
| 合计 | 607136 | 1245 | 71866 |  | 15450 | 13771 | 0 |

## 供暖系统

### 默认热源

#### 供应的系统

|  |  |
| --- | --- |
| 系统编号 | 默认 |

#### 热泵系统

##### 热泵机组

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名称 | 类型 | 额定耗电量(kW) | 额定制热量(kW) | 额定性能系数 COP | 台数 |
| 热泵机组 | 地源热泵 | 60 | 300 | 5.00 | 2 |

##### 热水循环泵

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 类型 | 流量(m3/h) | 扬程(m) | 设计工作效率(%) | 输入功率(kW) | 台数 |
| 变频 | 50 | 30 | 80 | 5.9 | 2 |

##### 运行工况

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 负载率(%) | 机组制热量(kW) | 机组功率(kW) | 性能系数(COP) | 供暖水泵功率(kW) | 热源侧水泵功率(kW) |
| 20 | 120 | 25.37 | 4.73 | 2.02 | 1.59 |
| 40 | 240 | 39.34 | 6.10 | 4.08 | 3.41 |
| 60 | 360 | 70.04 | 5.14 | 6.18 | 4.97 |
| 80 | 480 | 87.59 | 5.48 | 7.82 | 6.37 |
| 100 | 600 | 120.72 | 4.97 | 10.3 | 8.23 |

##### 制热能耗

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 负荷区间 (%) | 区间负荷 (kWh) | 运行时长 (h) | 平均性能系数 (COP) | 热泵机组 (kWh) | 供暖水泵 (kWh) | 热源侧水泵 (kWh) |
| 0~20 | 25276 | 483 | 4.73 | 5344 | 1263 | 768 |
| 20~40 | 30953 | 187 | 5.29 | 5848 | 519 | 638 |
| 40~60 | 13691 | 47 | 5.64 | 2427 | 219 | 234 |
| 60~80 | 4039 | 10 | 5.27 | 767 | 62 | 64 |
| 80~100 | 2033 | 4 | 5.36 | 379 | 34 | 33 |
| >100 | 619 | 1 | － | 121 | 10 | 8 |
| 合计 | 76611 | 732 |  | 14885 | 2106 | 1744 |

## 空调风机

### 独立新排风

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 系统编号 | 新风量 (m3/h) | 单位风量耗功率 W/(m3/h) | 风机功率(W) | 运行时长(h) | 新风电耗(kWh) |
| 默认 | 29747 | 0.24 | 7139 | 1992 | 14221 |
| 合计 | | | | | 14221 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 系统编号 | 排风量 (m3/h) | 排风比 | 单位风量耗功率W/(m3/h) | 风机功率(W) | 运行时长(h) | 排风电耗 (kWh) |
| 默认 | 23798 | 0.8 | 0.24 | 5711 | 1992 | 11377 |
| 合计 | | | | | | 11377 |

### 风机盘管

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 系统编号 | 总功率(W) | 同时使用系数 | 运行时长(h) | 风机盘管电耗(kWh) |
| 默认 | 400 | 1 | 1976 | 791 |
| 合计 | | | | 791 |

# 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) |
| 会议室 | 15.12 | 9 | 513 | 7750 |
| 卫生间 | 10.08 | 22 | 206 | 2075 |
| 厨房 | 15.12 | 1 | 20 | 296 |
| 大厅 | 8.40 | 3 | 1409 | 11835 |
| 报告厅 | 15.12 | 2 | 280 | 4231 |
| 接待室 | 15.12 | 2 | 126 | 1908 |
| 普通办公室 | 13.44 | 31 | 3982 | 53518 |
| 档案室 | 11.76 | 2 | 188 | 2212 |
| 楼梯间 | 13.75 | 56 | 806 | 11087 |
| 空房间 | 0.00 | 4 | 1970 | 0 |
| 设备间 | 10.08 | 121 | 2560 | 25806 |
| 走廊 | 11.81 | 27 | 771 | 9106 |
| 车库 | 6.82 | 1 | 2808 | 19151 |
| 餐厅 | 15.12 | 1 | 403 | 6093 |
| 总计 | | | | 155069 |

# 插座设备

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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) |
| 会议室 | 35.25 | 9 | 513 | 18068 |
| 卫生间 | 35.25 | 22 | 206 | 7256 |
| 厨房 | 35.25 | 1 | 20 | 689 |
| 大厅 | 35.25 | 3 | 1409 | 49664 |
| 报告厅 | 35.25 | 2 | 280 | 9865 |
| 接待室 | 35.25 | 2 | 126 | 4448 |
| 普通办公室 | 35.25 | 31 | 3982 | 140366 |
| 档案室 | 35.25 | 2 | 188 | 6631 |
| 楼梯间 | 37.50 | 56 | 806 | 30238 |
| 空房间 | 0.00 | 4 | 1970 | 0 |
| 设备间 | 35.25 | 121 | 2560 | 90244 |
| 走廊 | 33.19 | 27 | 771 | 25584 |
| 车库 | 35.25 | 1 | 2808 | 98984 |
| 餐厅 | 35.25 | 1 | 403 | 14206 |
| 总计 | | | | 496243 |

# 生活热水

## 热水需求

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 分区 | 用水定额 (L/人·d) | 热水温差(℃) | 用水人数 | 年使用天数 | 所需热量 (kWh/a) |
| 办公 | 10 | 45 | 1000 | 365 | 187784 |
| 总计 | | | | | 187784 |

## 太阳能集热

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 太阳能板 分组名称 | 集热器面积(㎡) | 日均辐照量(kj/(㎡·d) | 年利用天数 | 年均集 热效率 | 热量 损失率 | 太阳能供热(kWh/a) |
| 1 | 0 | 13707 | 256 | 0.42 | 0.25 | 0 |
| 总计 | | | | | | 0 |

## 热水设备

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 热水设备 | 供热比例 | 供热量(kWh/a) | 能源 | 效率 | 耗电量(kWh/a) |
| 电加热 | 1 | 187784 | 电 | 0.9 | 208649 |
| 备注 |  | | | | |

# 电梯

## 直梯

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 名称 | 特定能量消耗(mWh/kgm) | 额定载重量(kg) | 速度(m/s) | 待机功率(W) | 运行时长(h/天) | 年运行天数 | 数量 | 全年电耗 (kWh) |
| 直梯1 | 1.26 | 1350 | 1.75 | 200 | 1.5 | 365 | 1 | 7510 |
| 直梯2 | 1.26 | 1350 | 1.75 | 200 | 1.5 | 365 | 1 | 7510 |
| 直梯3 | 1.26 | 1350 | 1.75 | 200 | 1.5 | 365 | 1 | 7510 |
| 直梯4 | 1.26 | 1350 | 1.75 | 200 | 1.5 | 365 | 1 | 7510 |
| 总计 | | | | | | | | 30039 |

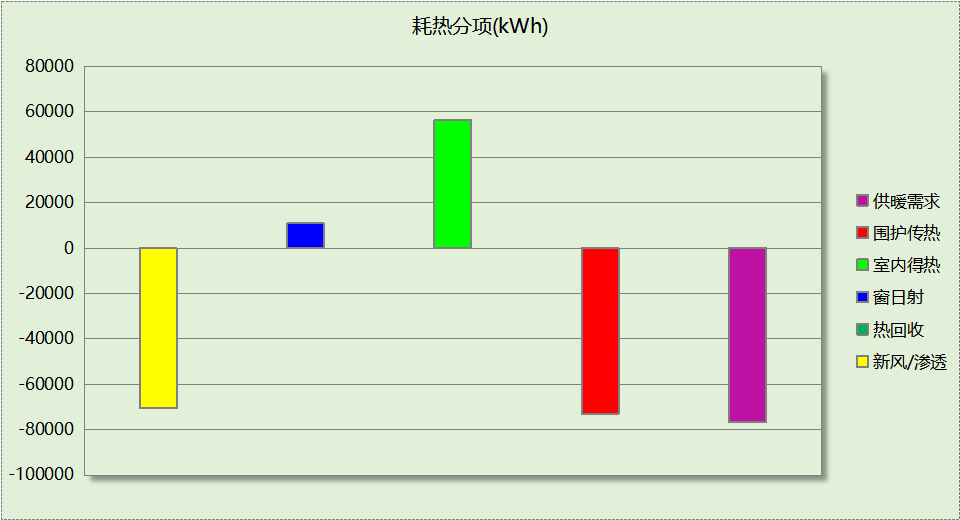
# 光伏发电

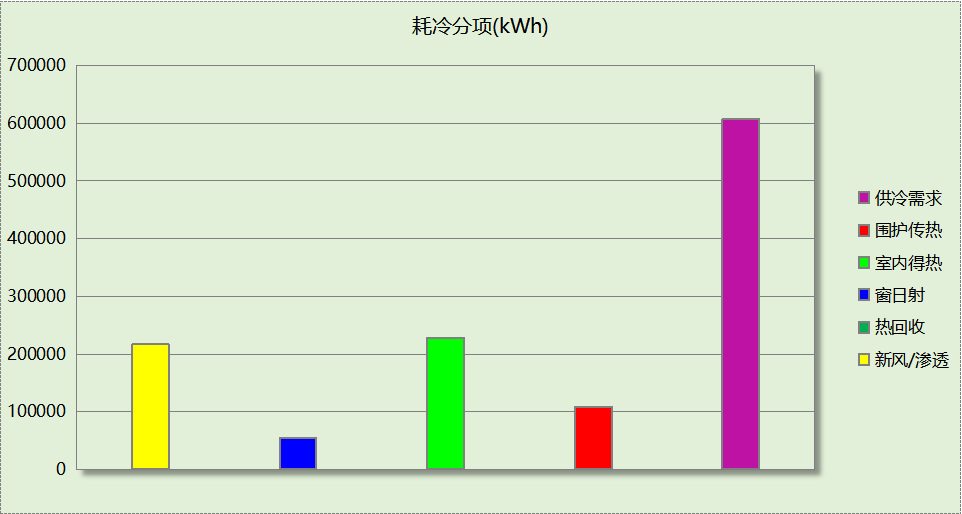
|  |  |
| --- | --- |
| 月 | 发电量(kWh) |
| 1 | 5790 |
| 2 | 6630 |
| 3 | 8870 |
| 4 | 9720 |
| 5 | 11360 |
| 6 | 11020 |
| 7 | 13470 |
| 8 | 12030 |
| 9 | 9510 |
| 10 | 7960 |
| 11 | 6690 |
| 12 | 5740 |
| 总计 | 108790 |

# 计算结果

## 负荷分项统计

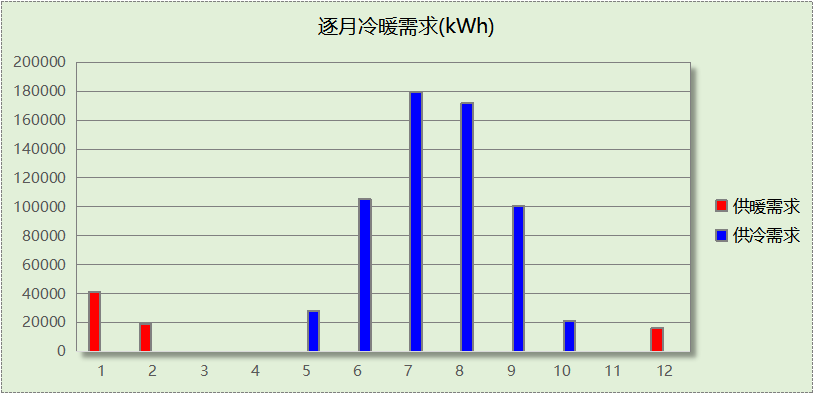
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 分类 | 围护传热 | 室内得热 | 窗日射 | 新风/渗透 | 热回收 | 合计 |
| 供暖(kWh/㎡) | -4.47 | 3.44 | 0.67 | -4.31 | 0.00 | -4.68 |
| 供冷(kWh/㎡) | 6.63 | 13.94 | 3.28 | 13.23 | 0.00 | 37.08 |

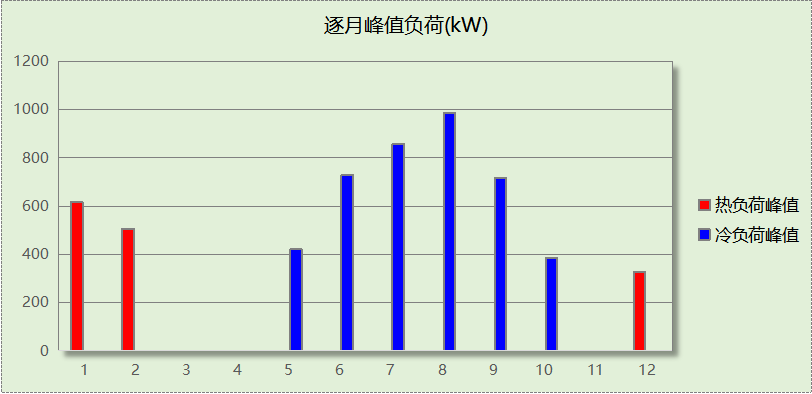




## 逐月负荷表

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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 | 41413 | 0 | 618.550 | 1月14日8时 | 0.000 | -- |
| 2月 | 18917 | 0 | 506.104 | 2月14日8时 | 0.000 | -- |
| 3月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 4月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 5月 | 0 | 28116 | 0.000 | -- | 420.627 | 5月20日15时 |
| 6月 | 0 | 105534 | 0.000 | -- | 728.143 | 6月28日16时 |
| 7月 | 0 | 179709 | 0.000 | -- | 858.689 | 7月8日8时 |
| 8月 | 0 | 171821 | 0.000 | -- | 984.485 | 8月12日8时 |
| 9月 | 0 | 100928 | 0.000 | -- | 718.082 | 9月13日11时 |
| 10月 | 0 | 21027 | 0.000 | -- | 385.752 | 10月4日16时 |
| 11月 | 0 | 0 | 0.000 | -- | 0.000 | -- |
| 12月 | 16282 | 0 | 326.520 | 12月23日8时 | 0.000 | -- |





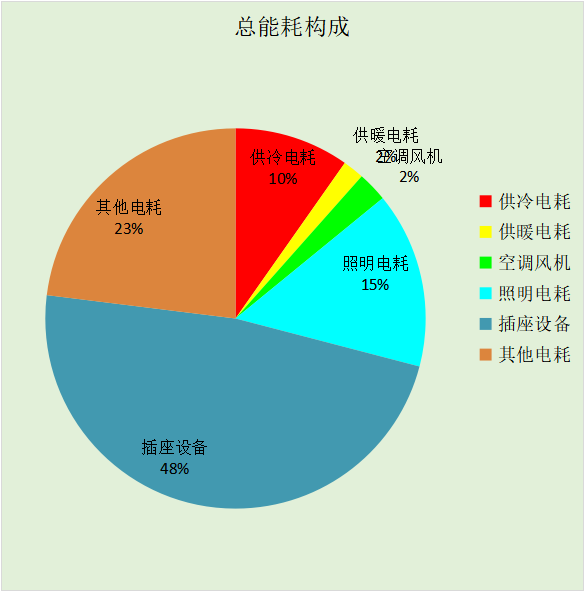
## 逐月电耗

注:供冷供暖为冷热源及输配水泵电耗，热水为扣减太阳能后电耗，所有数据单位kWh/㎡。

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 月 | 供冷 | 供暖 | 空调风机 | 照明 | 插座设备 | 排风机 | 电梯 | 热水 |
| 1 | 0.00 | 0.58 | 0.21 | 0.83 | 2.67 | 0.00 | 1.83 | 12.74 |
| 2 | 0.00 | 0.29 | 0.17 | 0.64 | 2.06 |
| 3 | 0.00 | 0.00 | 0.00 | 0.80 | 2.55 |
| 4 | 0.00 | 0.00 | 0.00 | 0.80 | 2.55 |
| 5 | 0.29 | 0.00 | 0.13 | 0.83 | 2.67 |
| 6 | 1.05 | 0.00 | 0.18 | 0.72 | 2.30 |
| 7 | 1.85 | 0.00 | 0.22 | 0.87 | 2.79 |
| 8 | 1.76 | 0.00 | 0.21 | 0.83 | 2.67 |
| 9 | 1.01 | 0.00 | 0.19 | 0.76 | 2.42 |
| 10 | 0.22 | 0.00 | 0.08 | 0.76 | 2.42 |
| 11 | 0.00 | 0.00 | 0.00 | 0.80 | 2.55 |
| 12 | 0.00 | 0.27 | 0.21 | 0.83 | 2.67 |
| 合计 | 6.17 | 1.14 | 1.61 | 9.47 | 30.31 | 0.00 | 1.83 | 12.74 |

## 全年能耗

|  |  |  |  |
| --- | --- | --- | --- |
| 能耗分类 | 能耗子类 | 设计建筑  (kWh/㎡) | 备注 |
| 建筑负荷 | 耗冷量 | 37.08 |  |
| 耗热量 | 4.68 |  |
| 冷热合计 | 41.76 |  |
| 热回收 | 供冷 | 0.00 |  |
| 供暖 | 0.00 |  |
| 冷热合计 | 0.00 |  |
| 供冷电耗  (Ec) | 中央冷源 | 4.39 |  |
| 冷却水泵 | 0.94 |  |
| 冷冻水泵 | 0.84 |  |
| 冷却塔 | 0.00 |  |
| 多联机/单元式空调 | 0.00 |  |
| 供冷合计 | 6.17 |  |
| 供暖电耗  (Eh) | 中央热源 | 0.91 |  |
| 供暖水泵 | 0.13 |  |
| 热源侧水泵 | 0.11 |  |
| 多联机/单元式热泵 | 0.00 |  |
| 供暖合计 | 1.14 |  |
| 空调风机电耗  (Ef) | 新排风 | 1.56 |  |
| 风机盘管 | 0.05 |  |
| 全空气系统 | 0.00 |  |
| 风机合计 | 1.61 |  |
| 照明电耗(El) | | 9.47 |  |
| 插座设备电耗(Ej) | | 30.31 |  |
| 其他电耗(Eo) | 电梯 | 1.83 |  |
| 独立排风机 | 0.00 |  |
| 生活热水 | 12.74 | 扣减了太阳能热水 |
| 其他设备 | 0.00 |  |
| 其他合计 | 14.58 |  |
| 可再生发电  (Er) | 光伏发电(Ep) | 6.64 |  |
| 风力发电(Ew) | 0.00 |  |
| 合计 | 6.64 |  |
| 建筑总能耗(E1)：电耗(kWh/㎡) | | 56.64 | E1=Ec+Eh+Ef+El +Ej +Eo-Er |



# 附录

## 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 |
| 会议室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 30 | 100 | 100 | 100 | 100 | 50 | 20 | 10 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 45 | 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 | 10 | 50 | 100 | 100 | 100 | 30 | 100 | 100 | 100 | 100 | 50 | 20 | 10 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 45 | 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 | 100 | 100 | 100 | 30 | 100 | 100 | 100 | 100 | 50 | 20 | 10 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 厨房 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 30 | 100 | 100 | 100 | 100 | 50 | 20 | 10 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 大厅 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 30 | 100 | 100 | 100 | 100 | 50 | 20 | 10 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 报告厅 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 30 | 100 | 100 | 100 | 100 | 50 | 20 | 10 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 接待室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 30 | 100 | 100 | 100 | 100 | 50 | 20 | 10 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 45 | 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 | 100 | 100 | 100 | 30 | 100 | 100 | 100 | 100 | 50 | 20 | 10 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 档案室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 30 | 100 | 100 | 100 | 100 | 50 | 20 | 10 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 45 | 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 |
| 空房间 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 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 |
| 车库 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 10 | 50 | 100 | 100 | 100 | 30 | 100 | 100 | 100 | 100 | 50 | 20 | 10 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 45 | 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 |
| 会议室 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 36 | 62 | 56 | 54 | 43 | 53 | 55 | 58 | 67 | 40 | 18 | 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 |
| 办公-普通办公室 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 36 | 62 | 56 | 54 | 43 | 53 | 55 | 58 | 67 | 40 | 18 | 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 |
| 卫生间 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 36 | 62 | 56 | 54 | 43 | 53 | 55 | 58 | 67 | 40 | 18 | 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 |
| 厨房 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 36 | 62 | 56 | 54 | 43 | 53 | 55 | 58 | 67 | 40 | 18 | 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 |
| 大厅 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 36 | 62 | 56 | 54 | 43 | 53 | 55 | 58 | 67 | 40 | 18 | 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 |
| 报告厅 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 36 | 62 | 56 | 54 | 43 | 53 | 55 | 58 | 67 | 40 | 18 | 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 |
| 接待室 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 36 | 62 | 56 | 54 | 43 | 53 | 55 | 58 | 67 | 40 | 18 | 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 |
| 普通办公室 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 36 | 62 | 56 | 54 | 43 | 53 | 55 | 58 | 67 | 40 | 18 | 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 |
| 档案室 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 36 | 62 | 56 | 54 | 43 | 53 | 55 | 58 | 67 | 40 | 18 | 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 |
| 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 |
| 空房间 | 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 | 36 | 62 | 56 | 54 | 43 | 53 | 55 | 58 | 67 | 40 | 18 | 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 |
| 走廊 | 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 |
| 车库 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 36 | 62 | 56 | 54 | 53 | 53 | 55 | 58 | 67 | 40 | 18 | 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 |
| 餐厅 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 36 | 62 | 56 | 54 | 43 | 53 | 55 | 58 | 67 | 40 | 18 | 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 |

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 |
| 会议室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 50 | 20 | 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 |
| 办公-普通办公室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 50 | 20 | 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 |
| 卫生间 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 50 | 20 | 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 |
| 厨房 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 50 | 20 | 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 |
| 大厅 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 50 | 20 | 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 |
| 报告厅 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 50 | 20 | 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 |
| 接待室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 50 | 20 | 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 |
| 普通办公室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 50 | 20 | 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 |
| 档案室 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 50 | 20 | 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 |
| 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 |
| 空房间 | 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 | 10 | 50 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 50 | 20 | 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 |
| 走廊 | 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 |
| 车库 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 50 | 20 | 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 |
| 餐厅 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 50 | 20 | 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 |

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)

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 | 1 | 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 |

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 | 1 | 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(%)

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 | 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 |

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 | 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 |

注：上行：工作日；下行：节假日