**win绿**

热负荷计算书

|  |  |
| --- | --- |
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# 建筑概况

|  |  |  |
| --- | --- | --- |
| 地理位置 | 安徽-合肥 | |
| 北纬 | 31.87 | |
| 东经 | 117.23 | |
| 建筑名称 | win绿 | |
| 建筑面积 | 地上 2624.40 ㎡ | 地下 0.00 ㎡ |
| 建筑高度 | 地上 20.90 m | 地下 0.00 m |
| 建筑层数 | 地上 6 | 地下 0 |
| 北向角度 | 90° | |

# 气象参数

|  |  |
| --- | --- |
| 大气透明度等级 | 5 |
| 室外计算温度(℃) | -4.2 |
| 冬季围护结构外表面换热系数αw(W/㎡· K) | 23.0 |
| 围护结构内表面换热系数αn(W/㎡· K) | 8.7 |

# 计算依据

1. 《民用建筑供暖通风与空气调节设计规范》GB50736-2012.中国建筑工业出版社，2012

2. 《全国民用建筑工程设计技术措施/暖通空调·动力》.中国计划出版社，2009

3. 《建筑设备专业技术措施》.中国建筑工业出版社，2006

4. 《严寒和寒冷地区居住建筑节能设计标准》JGJ26-2010.中国建筑工业出版社，2010

5. 《公共建筑节能设计标准》GB50189-2015.中国建筑工业出版社，2015

# 计算原理

## 围护结构传热耗热量

围护结构的传热耗热量由基本耗热量和附加耗热量构成。

围护结构的基本耗热量按下式计算：



式中：

Q——围护结构的基本耗热量（W）；

α——围护结构温差修正系数；

F——围护结构的面积（㎡）；

K——围护结构的传热系数〔W /（㎡•℃）〕；

tn——采暖室内计算温度（℃）；

twn——采暖室外计算温度或邻室计算温度（℃）。

## 围护结构的附加耗热量

该项耗热量按其占基本耗热量的百分率确定。

Q1 =(Q +1 .Q +2 .Q +3 .Q)(1+4)=(1+1+2+3)(1+4)Q



式中：

Q ——围护结构基本耗热量

Q1——围护结构传热耗热量

α1——朝向修正率：

α2——风力附加率

α3——外门附加率

α4——高度附加率，附加于围护结构的基本耗热量和其他附加耗热量之和上。

## 冷风渗入耗热量

冷风渗透耗热量有缝隙法、换气次数法和百分率法三种供选择。

（1）、缝隙法

◆加热由外窗、阳台外门窗缝隙渗人室内的冷空气的耗热量，按下式计算：



式中：

Q——由门窗缝隙渗人室内的冷空气的耗热量（W）；

Cp——空气的定压比热容；

ρwn——采暖室外计算温度下的空气密度（kg/m³）；

tn——采暖室内计算温度（℃）；

twn——采暖室外计算温度（℃）；

L——渗透冷空气量（m³/h），根据不同的朝向，按下列计算公式确定：



式中：

L0——在基准高度单纯风压作用下，不考虑朝向修正和建筑物内部隔断情况时，通过每米门窗缝隙进入室内的理论渗透冷空气量 [m³/（m·h）]；

l1——外门窗缝隙的长度(m)；

m——风压与热压共同作用下，不同朝向、不同高度的门窗冷风渗透压差综合修正系数；

b——门窗缝隙渗风指数，b=0.56～0.78，当无实测数据时，可取 b =0.67。

（2）、换气次数法：

多层建筑的渗透冷空气量，当无相关数据时，按以下公式计算：



式中：

V——房间体积（ m3）；

k——换气次数（次／h），用户输入。

（3）、百分率附加法：

工业建筑，加热由门窗缝隙渗人室内的冷空气的耗热量，可按下表估算：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 建筑物高度（m） | | ＜4.5 | 4.5～10.0 | ＞10.0 |
| 玻璃窗层数 | 单层 | 25 | 35 | 40 |
| 单、双层均有 | 20 | 30 | 35 |
| 双层 | 15 | 25 | 30 |

## 新风耗热量

对于空调热负荷，采用热风采暖。房间的新风负荷按下式计算：

Q=0.28L(-)(1-η１ζ)



式中：

L ——房间的设计新风量(m3/h)，用户输入；

η１——显热回收效率（0～１），没有热回收时为0

ζ——排风比例（０～１），即热回收装置的排风量/新风量

hn——室内焓

hw——室外焓

## 通过其他途径的耗热量

通过其他途径的耗热量包括：水分蒸发的耗热量、加热由外部运人的冷物料和运输工具的耗热量、热管道以及其他表面的散热量等。

## 分户计量和间歇采暖热负荷



式中：

Q1——围护结构耗热量、冷风渗透耗热量、新风耗热量和其他耗热量之和；

α——间歇采暖采暖修正系数；

Q户间——户间传热，不计入系统负荷和整个建筑负荷，只作为选取房间供暖设备设施的依据,有两种可选方法来计算：

（1）单位面积法，按下式计算：



式中：

q ——单位使用面积的户间传热量；

M ——房间使用面积。

（2）计算温差法，户间传热量不宜大于房间热负荷的50%，按下式计算：



式中：

P ——同时产生传热的概率系数：

Fi——第i个户间传热围护结构的传热面积；

ki——第i个户间传热围护结构的传热系数；

△t——户间传热温差，宜取5到6℃。

# 外围护构造

|  |  |
| --- | --- |
| 构造名称 | 冬季传热系数K=1/(0.11+∑R+0.04) (W/㎡.K) |
| 挤塑聚苯板20+加气砼80＋钢筋砼120 | 0.826 |
| 外-挤塑聚苯板20+钢筋砼200 | 1.126 |
| 挤塑聚苯板20＋钢筋砼200 | 1.126 |

备注：外墙平均传热系数：1.113 (W/㎡.K)

# 内围护构造

|  |  |
| --- | --- |
| 构造名称 | 传热系数K=1/(0.11+∑R+0.11) (W/㎡.K) |
| 砼多孔砖(190六孔砖) | 1.925 |
| 钢筋砼楼板120 | 2.984 |

# 封闭阳台构造

|  |  |
| --- | --- |
| 构造名称 | 冬季传热系数K=1/(0.11+∑R+0.04) (W/㎡.K) |
| 栏板 | 5.595 |

# 地下围护构造

## 周边地面

|  |  |
| --- | --- |
| 构造名称 | 冬季传热系数K |
| 混凝土120不保温地面 | 0.52 |

## 非周边地面

|  |  |
| --- | --- |
| 构造名称 | 冬季传热系数K |
| 混凝土120不保温地面 | 0.3 |

# 窗构造

|  |  |  |
| --- | --- | --- |
| 做法名称 | 传热系数W/㎡.K | 遮阳系数 |
| 12A钢铝单框双玻窗（平均） | 3.90 | 0.75 |

# 门构造

|  |  |
| --- | --- |
| 做法名称 | 传热系数W/㎡.K |
| 保温门（多功能门） | 1.97 |
| 单层实体门 | 2.30 |

# 负荷指标

|  |  |  |
| --- | --- | --- |
| 整楼负荷(W) | 建筑面积(㎡) | 负荷指标(W/㎡) |
| 157191 | 2624.40 | 59.90 |
| 采暖面积(㎡) | 负荷指标(W/㎡) |
| 1690.30 | 93.00 |

# 房间热负荷汇总表(按系统)

| 系统 | 房间 | 面积 | 室内温度 | 围护 结构 | 冷风 渗透 | 新风 负荷 | 间歇 采暖 | 户间 传热 | 热负荷(不含户间) | 热负荷(含户间) | 指标(不含户间) | 指标(含户间) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ㎡ | ℃ | W | W | W | W | W | W | W | W/㎡ | W/㎡ |
| 未分区 | 1001,1002,1003,1004,1005,1006[餐厅] | 17 | 18 | 705 | 531 | 0 | 124 | 166 | 1360 | 1526 | 82.0 | 92.0 |
| 1007,1009,1010,1011[主卧室] | 15 | 18 | 598 | 506 | 0 | 110 | 155 | 1214 | 1369 | 78.6 | 88.6 |
| 1008,1012[主卧室] | 15 | 18 | 983 | 506 | 0 | 149 | 155 | 1638 | 1793 | 106.0 | 116.0 |
| 1016,1017,1018,1019,1020,1021[次卧室] | 9 | 18 | 973 | 297 | 0 | 127 | 88 | 1398 | 1486 | 158.1 | 168.1 |
| 1028,1029[封闭阳台] | 4 | 18 | 561 | 142 | 0 | 70 | 38 | 773 | 811 | 203.4 | 213.4 |
| 1030,1031,1032,1033[封闭阳台] | 4 | 18 | 799 | 142 | 0 | 94 | 38 | 1035 | 1073 | 272.4 | 282.4 |
| 1046,1047,1048,1049,1050,1051[起居室] | 12 | 18 | 88 | 389 | 0 | 48 | 122 | 525 | 647 | 43.2 | 53.2 |
| 2001,2002,2003,2004,2005,2006,3001,3002,3003,3004,3005,3006,4001,4002,4003,4004,4005,4006[餐厅] | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
| 2007,3008,3009,3010,3011,4008,4009,4010,4011[主卧室] | 15 | 18 | 450 | 506 | 0 | 96 | 155 | 1051 | 1206 | 68.0 | 78.0 |
| 2008,3007,3012,4007,4012[主卧室] | 15 | 18 | 804 | 506 | 0 | 131 | 155 | 1441 | 1595 | 93.2 | 103.2 |
| 2009,2010,2012[过厅] | 15 | 18 | 511 | 506 | 0 | 102 | 155 | 1118 | 1273 | 72.4 | 82.4 |
| 2011[主卧室] | 15 | 18 | 865 | 506 | 0 | 137 | 155 | 1508 | 1662 | 97.6 | 107.6 |
| 2016,2017,2018,2019,2020,2021,3016,3017,3018,3019,3020,3021,4016,4017,4018,4019,4020,4021[次卧室] | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
| 2030,2031,3029,3030,4028,4029,4030,4031,4032,4033[封闭阳台] | 4 | 18 | 506 | 142 | 0 | 65 | 38 | 712 | 750 | 187.3 | 197.3 |
| 2046,2048,2050,2051[起居室] | 12 | 18 | 298 | 389 | 0 | 69 | 122 | 756 | 878 | 62.2 | 72.2 |
| 2047,2049,3046,3047,3048,3049,3050,3051,4046,4047,4048,4049,4050,4051[起居室] | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
| 3028,3031,3032,3033[封闭阳台] | 4 | 18 | 744 | 142 | 0 | 89 | 38 | 974 | 1012 | 256.4 | 266.4 |
| 5001,5002,5003,5004,5005,5006[餐厅] | 17 | 18 | 916 | 531 | 0 | 145 | 166 | 1592 | 1758 | 95.9 | 105.9 |
| 5007,5009,5010,5012[主卧室] | 15 | 18 | 764 | 506 | 0 | 127 | 155 | 1397 | 1552 | 90.4 | 100.4 |
| 5008,5011[主卧室] | 15 | 18 | 1118 | 506 | 0 | 162 | 155 | 1787 | 1941 | 115.6 | 125.6 |
| 5016,5017,5018,5019,5020,5021[次卧室] | 9 | 18 | 1064 | 297 | 0 | 136 | 88 | 1497 | 1585 | 169.3 | 179.3 |
| 5028,5029,5030,5031,5032,5033[封闭阳台] | 4 | 18 | 594 | 142 | 0 | 74 | 38 | 809 | 847 | 212.8 | 222.8 |
| 5046,5047,5048,5049,5050,5051[起居室] | 12 | 18 | 242 | 389 | 0 | 63 | 122 | 695 | 816 | 57.1 | 67.1 |
| **合计** | **1690** |  | **87508** | **55393** | **0** | **14290** | **16903** | **157191** | **174094** | **83.0** | **93.0** |
| **总计** | | **1690** |  | **87508** | **55393** | **0** | **14290** |  | **157191** |  | **93.0** |  |

说明：上表中合计和总计面积为采暖面积。

# 房间热负荷汇总表(按楼层)

| 楼层 | 户型 | 房间 编号 | 房间名称 | 面积 | 室温 | 围护 结构 | 新风 负荷 | 其它 负荷 | 间歇 采暖 | 户间 传热 | 热负荷(不含户间) | 热负荷(含户间) | 指标(不含户间) | 指标(含户间) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ㎡ | ℃ | W | W | W | W | W | W | W | W/㎡ | W/㎡ |
| 1层 |  | 1001 | 餐厅 | 17 | 18 | 705 | 531 | 0 | 124 | 166 | 1360 | 1526 | 82.0 | 92.0 |
|  | 1002 | 餐厅 | 17 | 18 | 705 | 531 | 0 | 124 | 166 | 1360 | 1526 | 82.0 | 92.0 |
|  | 1003 | 餐厅 | 17 | 18 | 705 | 531 | 0 | 124 | 166 | 1360 | 1526 | 82.0 | 92.0 |
|  | 1004 | 餐厅 | 17 | 18 | 705 | 531 | 0 | 124 | 166 | 1360 | 1526 | 82.0 | 92.0 |
|  | 1005 | 餐厅 | 17 | 18 | 705 | 531 | 0 | 124 | 166 | 1360 | 1526 | 82.0 | 92.0 |
|  | 1006 | 餐厅 | 17 | 18 | 705 | 531 | 0 | 124 | 166 | 1360 | 1526 | 82.0 | 92.0 |
|  | 1007 | 主卧室 | 15 | 18 | 598 | 506 | 0 | 110 | 155 | 1214 | 1369 | 78.6 | 88.6 |
|  | 1008 | 主卧室 | 15 | 18 | 983 | 506 | 0 | 149 | 155 | 1638 | 1793 | 106.0 | 116.0 |
|  | 1009 | 主卧室 | 15 | 18 | 598 | 506 | 0 | 110 | 155 | 1214 | 1369 | 78.6 | 88.6 |
|  | 1010 | 主卧室 | 15 | 18 | 598 | 506 | 0 | 110 | 155 | 1214 | 1369 | 78.6 | 88.6 |
|  | 1011 | 主卧室 | 15 | 18 | 598 | 506 | 0 | 110 | 155 | 1214 | 1369 | 78.6 | 88.6 |
|  | 1012 | 主卧室 | 15 | 18 | 983 | 506 | 0 | 149 | 155 | 1638 | 1793 | 106.0 | 116.0 |
|  | 1016 | 次卧室 | 9 | 18 | 973 | 297 | 0 | 127 | 88 | 1398 | 1486 | 158.1 | 168.1 |
|  | 1017 | 次卧室 | 9 | 18 | 973 | 297 | 0 | 127 | 88 | 1398 | 1486 | 158.1 | 168.1 |
|  | 1018 | 次卧室 | 9 | 18 | 973 | 297 | 0 | 127 | 88 | 1398 | 1486 | 158.1 | 168.1 |
|  | 1019 | 次卧室 | 9 | 18 | 973 | 297 | 0 | 127 | 88 | 1398 | 1486 | 158.1 | 168.1 |
|  | 1020 | 次卧室 | 9 | 18 | 973 | 297 | 0 | 127 | 88 | 1398 | 1486 | 158.1 | 168.1 |
|  | 1021 | 次卧室 | 9 | 18 | 973 | 297 | 0 | 127 | 88 | 1398 | 1486 | 158.1 | 168.1 |
|  | 1028 | 封闭阳台 | 4 | 18 | 561 | 142 | 0 | 70 | 38 | 773 | 811 | 203.4 | 213.4 |
|  | 1029 | 封闭阳台 | 4 | 18 | 561 | 142 | 0 | 70 | 38 | 773 | 811 | 203.4 | 213.4 |
|  | 1030 | 封闭阳台 | 4 | 18 | 799 | 142 | 0 | 94 | 38 | 1035 | 1073 | 272.4 | 282.4 |
|  | 1031 | 封闭阳台 | 4 | 18 | 799 | 142 | 0 | 94 | 38 | 1035 | 1073 | 272.4 | 282.4 |
|  | 1032 | 封闭阳台 | 4 | 18 | 799 | 142 | 0 | 94 | 38 | 1035 | 1073 | 272.4 | 282.4 |
|  | 1033 | 封闭阳台 | 4 | 18 | 799 | 142 | 0 | 94 | 38 | 1035 | 1073 | 272.4 | 282.4 |
|  | 1046 | 起居室 | 12 | 18 | 88 | 389 | 0 | 48 | 122 | 525 | 647 | 43.2 | 53.2 |
|  | 1047 | 起居室 | 12 | 18 | 88 | 389 | 0 | 48 | 122 | 525 | 647 | 43.2 | 53.2 |
|  | 1048 | 起居室 | 12 | 18 | 88 | 389 | 0 | 48 | 122 | 525 | 647 | 43.2 | 53.2 |
|  | 1049 | 起居室 | 12 | 18 | 88 | 389 | 0 | 48 | 122 | 525 | 647 | 43.2 | 53.2 |
|  | 1050 | 起居室 | 12 | 18 | 88 | 389 | 0 | 48 | 122 | 525 | 647 | 43.2 | 53.2 |
|  | 1051 | 起居室 | 12 | 18 | 88 | 389 | 0 | 48 | 122 | 525 | 647 | 43.2 | 53.2 |
| **合计** | |  | **341** |  | **19279** | **11192** | **0** | **3047** | **3411** | **33518** |  | **98.3** |  |
| 2层 |  | 2001 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 2002 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 2003 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 2004 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 2005 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 2006 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 2007 | 主卧室 | 15 | 18 | 450 | 506 | 0 | 96 | 155 | 1051 | 1206 | 68.0 | 78.0 |
|  | 2008 | 主卧室 | 15 | 18 | 804 | 506 | 0 | 131 | 155 | 1441 | 1595 | 93.2 | 103.2 |
|  | 2009 | 过厅 | 15 | 18 | 511 | 506 | 0 | 102 | 155 | 1118 | 1273 | 72.4 | 82.4 |
|  | 2010 | 过厅 | 15 | 18 | 511 | 506 | 0 | 102 | 155 | 1118 | 1273 | 72.4 | 82.4 |
|  | 2011 | 主卧室 | 15 | 18 | 865 | 506 | 0 | 137 | 155 | 1508 | 1662 | 97.6 | 107.6 |
|  | 2012 | 过厅 | 15 | 18 | 511 | 506 | 0 | 102 | 155 | 1118 | 1273 | 72.4 | 82.4 |
|  | 2016 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 2017 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 2018 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 2019 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 2020 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 2021 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 2030 | 封闭阳台 | 4 | 18 | 506 | 142 | 0 | 65 | 38 | 712 | 750 | 187.3 | 197.3 |
|  | 2031 | 封闭阳台 | 4 | 18 | 506 | 142 | 0 | 65 | 38 | 712 | 750 | 187.3 | 197.3 |
|  | 2046 | 起居室 | 12 | 18 | 298 | 389 | 0 | 69 | 122 | 756 | 878 | 62.2 | 72.2 |
|  | 2047 | 起居室 | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
|  | 2048 | 起居室 | 12 | 18 | 298 | 389 | 0 | 69 | 122 | 756 | 878 | 62.2 | 72.2 |
|  | 2049 | 起居室 | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
|  | 2050 | 起居室 | 12 | 18 | 298 | 389 | 0 | 69 | 122 | 756 | 878 | 62.2 | 72.2 |
|  | 2051 | 起居室 | 12 | 18 | 298 | 389 | 0 | 69 | 122 | 756 | 878 | 62.2 | 72.2 |
| **合计** | |  | **326** |  | **14641** | **10626** | **0** | **2527** | **3259** | **27793** |  | **85.3** |  |
| 3层 |  | 3001 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 3002 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 3003 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 3004 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 3005 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 3006 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 3007 | 主卧室 | 15 | 18 | 804 | 506 | 0 | 131 | 155 | 1441 | 1595 | 93.2 | 103.2 |
|  | 3008 | 主卧室 | 15 | 18 | 450 | 506 | 0 | 96 | 155 | 1051 | 1206 | 68.0 | 78.0 |
|  | 3009 | 主卧室 | 15 | 18 | 450 | 506 | 0 | 96 | 155 | 1051 | 1206 | 68.0 | 78.0 |
|  | 3010 | 主卧室 | 15 | 18 | 450 | 506 | 0 | 96 | 155 | 1051 | 1206 | 68.0 | 78.0 |
|  | 3011 | 主卧室 | 15 | 18 | 450 | 506 | 0 | 96 | 155 | 1051 | 1206 | 68.0 | 78.0 |
|  | 3012 | 主卧室 | 15 | 18 | 804 | 506 | 0 | 131 | 155 | 1441 | 1595 | 93.2 | 103.2 |
|  | 3016 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 3017 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 3018 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 3019 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 3020 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 3021 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 3028 | 封闭阳台 | 4 | 18 | 744 | 142 | 0 | 89 | 38 | 974 | 1012 | 256.4 | 266.4 |
|  | 3029 | 封闭阳台 | 4 | 18 | 506 | 142 | 0 | 65 | 38 | 712 | 750 | 187.3 | 197.3 |
|  | 3030 | 封闭阳台 | 4 | 18 | 506 | 142 | 0 | 65 | 38 | 712 | 750 | 187.3 | 197.3 |
|  | 3031 | 封闭阳台 | 4 | 18 | 744 | 142 | 0 | 89 | 38 | 974 | 1012 | 256.4 | 266.4 |
|  | 3032 | 封闭阳台 | 4 | 18 | 744 | 142 | 0 | 89 | 38 | 974 | 1012 | 256.4 | 266.4 |
|  | 3033 | 封闭阳台 | 4 | 18 | 744 | 142 | 0 | 89 | 38 | 974 | 1012 | 256.4 | 266.4 |
|  | 3046 | 起居室 | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
|  | 3047 | 起居室 | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
|  | 3048 | 起居室 | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
|  | 3049 | 起居室 | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
|  | 3050 | 起居室 | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
|  | 3051 | 起居室 | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
| **合计** | |  | **341** |  | **16180** | **11192** | **0** | **2737** | **3411** | **30109** |  | **88.3** |  |
| 4层 |  | 4001 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 4002 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 4003 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 4004 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 4005 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 4006 | 餐厅 | 17 | 18 | 586 | 531 | 0 | 112 | 166 | 1228 | 1394 | 74.0 | 84.0 |
|  | 4007 | 主卧室 | 15 | 18 | 804 | 506 | 0 | 131 | 155 | 1441 | 1595 | 93.2 | 103.2 |
|  | 4008 | 主卧室 | 15 | 18 | 450 | 506 | 0 | 96 | 155 | 1051 | 1206 | 68.0 | 78.0 |
|  | 4009 | 主卧室 | 15 | 18 | 450 | 506 | 0 | 96 | 155 | 1051 | 1206 | 68.0 | 78.0 |
|  | 4010 | 主卧室 | 15 | 18 | 450 | 506 | 0 | 96 | 155 | 1051 | 1206 | 68.0 | 78.0 |
|  | 4011 | 主卧室 | 15 | 18 | 450 | 506 | 0 | 96 | 155 | 1051 | 1206 | 68.0 | 78.0 |
|  | 4012 | 主卧室 | 15 | 18 | 804 | 506 | 0 | 131 | 155 | 1441 | 1595 | 93.2 | 103.2 |
|  | 4016 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 4017 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 4018 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 4019 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 4020 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 4021 | 次卧室 | 9 | 18 | 879 | 297 | 0 | 118 | 88 | 1294 | 1382 | 146.3 | 156.3 |
|  | 4028 | 封闭阳台 | 4 | 18 | 506 | 142 | 0 | 65 | 38 | 712 | 750 | 187.3 | 197.3 |
|  | 4029 | 封闭阳台 | 4 | 18 | 506 | 142 | 0 | 65 | 38 | 712 | 750 | 187.3 | 197.3 |
|  | 4030 | 封闭阳台 | 4 | 18 | 506 | 142 | 0 | 65 | 38 | 712 | 750 | 187.3 | 197.3 |
|  | 4031 | 封闭阳台 | 4 | 18 | 506 | 142 | 0 | 65 | 38 | 712 | 750 | 187.3 | 197.3 |
|  | 4032 | 封闭阳台 | 4 | 18 | 506 | 142 | 0 | 65 | 38 | 712 | 750 | 187.3 | 197.3 |
|  | 4033 | 封闭阳台 | 4 | 18 | 506 | 142 | 0 | 65 | 38 | 712 | 750 | 187.3 | 197.3 |
|  | 4046 | 起居室 | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
|  | 4047 | 起居室 | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
|  | 4048 | 起居室 | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
|  | 4049 | 起居室 | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
|  | 4050 | 起居室 | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
|  | 4051 | 起居室 | 12 | 18 | 0 | 389 | 0 | 39 | 122 | 428 | 550 | 35.2 | 45.2 |
| **合计** | |  | **341** |  | **15226** | **11192** | **0** | **2642** | **3411** | **29059** |  | **85.2** |  |
| 5层 |  | 5001 | 餐厅 | 17 | 18 | 916 | 531 | 0 | 145 | 166 | 1592 | 1758 | 95.9 | 105.9 |
|  | 5002 | 餐厅 | 17 | 18 | 916 | 531 | 0 | 145 | 166 | 1592 | 1758 | 95.9 | 105.9 |
|  | 5003 | 餐厅 | 17 | 18 | 916 | 531 | 0 | 145 | 166 | 1592 | 1758 | 95.9 | 105.9 |
|  | 5004 | 餐厅 | 17 | 18 | 916 | 531 | 0 | 145 | 166 | 1592 | 1758 | 95.9 | 105.9 |
|  | 5005 | 餐厅 | 17 | 18 | 916 | 531 | 0 | 145 | 166 | 1592 | 1758 | 95.9 | 105.9 |
|  | 5006 | 餐厅 | 17 | 18 | 916 | 531 | 0 | 145 | 166 | 1592 | 1758 | 95.9 | 105.9 |
|  | 5007 | 主卧室 | 15 | 18 | 764 | 506 | 0 | 127 | 155 | 1397 | 1552 | 90.4 | 100.4 |
|  | 5008 | 主卧室 | 15 | 18 | 1118 | 506 | 0 | 162 | 155 | 1787 | 1941 | 115.6 | 125.6 |
|  | 5009 | 主卧室 | 15 | 18 | 764 | 506 | 0 | 127 | 155 | 1397 | 1552 | 90.4 | 100.4 |
|  | 5010 | 主卧室 | 15 | 18 | 764 | 506 | 0 | 127 | 155 | 1397 | 1552 | 90.4 | 100.4 |
|  | 5011 | 主卧室 | 15 | 18 | 1118 | 506 | 0 | 162 | 155 | 1787 | 1941 | 115.6 | 125.6 |
|  | 5012 | 主卧室 | 15 | 18 | 764 | 506 | 0 | 127 | 155 | 1397 | 1552 | 90.4 | 100.4 |
|  | 5016 | 次卧室 | 9 | 18 | 1064 | 297 | 0 | 136 | 88 | 1497 | 1585 | 169.3 | 179.3 |
|  | 5017 | 次卧室 | 9 | 18 | 1064 | 297 | 0 | 136 | 88 | 1497 | 1585 | 169.3 | 179.3 |
|  | 5018 | 次卧室 | 9 | 18 | 1064 | 297 | 0 | 136 | 88 | 1497 | 1585 | 169.3 | 179.3 |
|  | 5019 | 次卧室 | 9 | 18 | 1064 | 297 | 0 | 136 | 88 | 1497 | 1585 | 169.3 | 179.3 |
|  | 5020 | 次卧室 | 9 | 18 | 1064 | 297 | 0 | 136 | 88 | 1497 | 1585 | 169.3 | 179.3 |
|  | 5021 | 次卧室 | 9 | 18 | 1064 | 297 | 0 | 136 | 88 | 1497 | 1585 | 169.3 | 179.3 |
|  | 5028 | 封闭阳台 | 4 | 18 | 594 | 142 | 0 | 74 | 38 | 809 | 847 | 212.8 | 222.8 |
|  | 5029 | 封闭阳台 | 4 | 18 | 594 | 142 | 0 | 74 | 38 | 809 | 847 | 212.8 | 222.8 |
|  | 5030 | 封闭阳台 | 4 | 18 | 594 | 142 | 0 | 74 | 38 | 809 | 847 | 212.8 | 222.8 |
|  | 5031 | 封闭阳台 | 4 | 18 | 594 | 142 | 0 | 74 | 38 | 809 | 847 | 212.8 | 222.8 |
|  | 5032 | 封闭阳台 | 4 | 18 | 594 | 142 | 0 | 74 | 38 | 809 | 847 | 212.8 | 222.8 |
|  | 5033 | 封闭阳台 | 4 | 18 | 594 | 142 | 0 | 74 | 38 | 809 | 847 | 212.8 | 222.8 |
|  | 5046 | 起居室 | 12 | 18 | 242 | 389 | 0 | 63 | 122 | 695 | 816 | 57.1 | 67.1 |
|  | 5047 | 起居室 | 12 | 18 | 242 | 389 | 0 | 63 | 122 | 695 | 816 | 57.1 | 67.1 |
|  | 5048 | 起居室 | 12 | 18 | 242 | 389 | 0 | 63 | 122 | 695 | 816 | 57.1 | 67.1 |
|  | 5049 | 起居室 | 12 | 18 | 242 | 389 | 0 | 63 | 122 | 695 | 816 | 57.1 | 67.1 |
|  | 5050 | 起居室 | 12 | 18 | 242 | 389 | 0 | 63 | 122 | 695 | 816 | 57.1 | 67.1 |
|  | 5051 | 起居室 | 12 | 18 | 242 | 389 | 0 | 63 | 122 | 695 | 816 | 57.1 | 67.1 |
| **合计** | |  | **341** |  | **22184** | **11192** | **0** | **3338** | **3411** | **36713** |  | **107.6** |  |
| **总计** | | |  | **1690** |  | **87508** | **55393** | **0** | **14290** |  | **157191** |  | **93.0** |  |

说明：上表中合计和总计面积为采暖面积。

# 新风负荷表

| 楼层 | 户型 | 房间编号 | 房间名称 | 房间面积 (㎡) | 新风量(m3/h) | 新风热负荷(W) | 指标 (W/㎡) |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1层 |  | 1001 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 1002 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 1003 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 1004 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 1005 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 1006 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 1007 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 1008 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 1009 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 1010 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 1011 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 1012 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 1016 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 1017 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 1018 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 1019 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 1020 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 1021 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 1028 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 1029 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 1030 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 1031 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 1032 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 1033 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 1046 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 1047 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 1048 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 1049 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 1050 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 1051 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
| **合计** | | | **341.10** | **1100.38** | **11192** | **32.81** |
| 2层 |  | 2001 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 2002 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 2003 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 2004 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 2005 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 2006 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 2007 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 2008 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 2009 | 过厅 | 15.45 | 49.74 | 506 | 32.74 |
|  | 2010 | 过厅 | 15.45 | 49.74 | 506 | 32.74 |
|  | 2011 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 2012 | 过厅 | 15.45 | 49.74 | 506 | 32.74 |
|  | 2016 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 2017 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 2018 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 2019 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 2020 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 2021 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 2030 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 2031 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 2046 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 2047 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 2048 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 2049 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 2050 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 2051 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
| **合计** | | | **325.90** | **1044.70** | **10626** | **32.60** |
| 3层 |  | 3001 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 3002 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 3003 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 3004 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 3005 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 3006 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 3007 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 3008 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 3009 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 3010 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 3011 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 3012 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 3016 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 3017 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 3018 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 3019 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 3020 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 3021 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 3028 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 3029 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 3030 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 3031 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 3032 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 3033 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 3046 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 3047 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 3048 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 3049 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 3050 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 3051 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
| **合计** | | | **341.10** | **1100.38** | **11192** | **32.81** |
| 4层 |  | 4001 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 4002 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 4003 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 4004 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 4005 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 4006 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 4007 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 4008 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 4009 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 4010 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 4011 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 4012 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 4016 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 4017 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 4018 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 4019 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 4020 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 4021 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 4028 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 4029 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 4030 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 4031 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 4032 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 4033 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 4046 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 4047 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 4048 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 4049 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 4050 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 4051 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
| **合计** | | | **341.10** | **1100.38** | **11192** | **32.81** |
| 5层 |  | 5001 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 5002 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 5003 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 5004 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 5005 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 5006 | 餐厅 | 16.60 | 52.23 | 531 | 32.00 |
|  | 5007 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 5008 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 5009 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 5010 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 5011 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 5012 | 主卧室 | 15.45 | 49.74 | 506 | 32.74 |
|  | 5016 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 5017 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 5018 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 5019 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 5020 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 5021 | 次卧室 | 8.84 | 29.23 | 297 | 33.63 |
|  | 5028 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 5029 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 5030 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 5031 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 5032 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 5033 | 封闭阳台 | 3.80 | 13.92 | 142 | 37.26 |
|  | 5046 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 5047 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 5048 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 5049 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 5050 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
|  | 5051 | 起居室 | 12.16 | 38.28 | 389 | 32.02 |
| **合计** | | | **341.10** | **1100.38** | **11192** | **32.81** |
| **总计** | | | | **1690.30** | **5446.20** | **55393** | **32.77** |

# 房间热负荷详细表

| 房间 | 传热项 | 面积 | 传热 系数 | 室 温 | 计算 温差 | 温差 修正 | 基本 耗热 | 朝向 修正 | 风力 附加 | 外门 附加 | 附加后 耗热量 | 高度 附加 | 热负荷 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ㎡ | W/㎡· K | ℃ | ℃ |  | W |  |  |  | W |  | W |
| 1001,1002,1003,1004,1005,1006[餐厅] | 内墙 | 7.02 | 1.93 | 18 | 22.2 | 0.7 | 210.0 | 0.00 | 0.00 | 0.00 | 210.0 | 0.00 | 210.0 |
| 内墙 | 2.59 | 1.93 | 18 | 22.2 | 0.4 | 44.3 | 0.00 | 0.00 | 0.00 | 44.3 | 0.00 | 44.3 |
| 户墙 | 6.89 | 1.93 | 18 | 22.2 | 0.6 | 176.7 | 0.00 | 0.00 | 0.00 | 176.7 | 0.00 | 176.7 |
| 内门 | 1.68 | 2.30 | 18 | 22.2 | 0.7 | 60.1 | 0.00 | 0.00 | 0.00 | 60.1 | 0.00 | 60.1 |
| 内门 | 1.47 | 2.30 | 18 | 22.2 | 0.4 | 30.1 | 0.00 | 0.00 | 0.00 | 30.1 | 0.00 | 30.1 |
| 户门 | 2.10 | 2.30 | 18 | 22.2 | 0.6 | 64.4 | 0.00 | 0.00 | 0.00 | 64.4 | 0.00 | 64.4 |
| 非周边地面 | 18.01 | 0.30 | 18 | 22.2 | 1.0 | 119.9 |  |  | 0.00 | 119.9 | 0.00 | 119.9 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 531.2 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 123.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 166.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1526** |
| 1007,1009,1010,1011[主卧室] | 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 非周边地面 | 10.15 | 0.30 | 18 | 22.2 | 1.0 | 67.6 |  |  | 0.00 | 67.6 | 0.00 | 67.6 |
| 周边地面 | 7.00 | 0.52 | 18 | 22.2 | 1.0 | 80.8 |  |  | 0.00 | 80.8 | 0.00 | 80.8 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 110.4 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1369** |
| 1008[主卧室] | 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 东外墙 | 15.08 | 1.11 | 18 | 22.2 | 1.0 | 372.6 | -0.05 | 0.00 | 0.00 | 354.0 | 0.00 | 354.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 非周边地面 | 3.75 | 0.30 | 18 | 22.2 | 1.0 | 25.0 |  |  | 0.00 | 25.0 | 0.00 | 25.0 |
| 周边地面 | 13.40 | 0.52 | 18 | 22.2 | 1.0 | 154.7 |  |  | 0.00 | 154.7 | 0.00 | 154.7 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 148.9 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1793** |
| 1012[主卧室] | 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 西外墙 | 15.08 | 1.11 | 18 | 22.2 | 1.0 | 372.6 | -0.05 | 0.00 | 0.00 | 354.0 | 0.00 | 354.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 非周边地面 | 3.75 | 0.30 | 18 | 22.2 | 1.0 | 25.0 |  |  | 0.00 | 25.0 | 0.00 | 25.0 |
| 周边地面 | 13.40 | 0.52 | 18 | 22.2 | 1.0 | 154.7 |  |  | 0.00 | 154.7 | 0.00 | 154.7 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 148.9 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1793** |
| 1016,1017,1018,1019,1020,1021[次卧室] | 北外墙 | 6.02 | 1.11 | 18 | 22.2 | 1.0 | 148.7 | 0.05 | 0.00 | 0.00 | 156.2 | 0.00 | 156.2 |
| 北外窗 | 2.10 | 3.90 | 18 | 22.2 | 1.0 | 181.8 | 0.05 | 0.00 | 0.00 | 190.9 | 0.00 | 190.9 |
| 户墙 | 10.44 | 1.93 | 18 | 22.2 | 0.6 | 267.7 | 0.00 | 0.00 | 0.00 | 267.7 | 0.00 | 267.7 |
| 内墙 | 3.77 | 1.93 | 18 | 22.2 | 0.4 | 64.4 | 0.00 | 0.00 | 0.00 | 64.4 | 0.00 | 64.4 |
| 内墙 | 6.67 | 1.93 | 18 | 22.2 | 0.7 | 199.5 | 0.00 | 0.00 | 0.00 | 199.5 | 0.00 | 199.5 |
| 非周边地面 | 4.48 | 0.30 | 18 | 22.2 | 1.0 | 29.8 |  |  | 0.00 | 29.8 | 0.00 | 29.8 |
| 周边地面 | 5.60 | 0.52 | 18 | 22.2 | 1.0 | 64.6 |  |  | 0.00 | 64.6 | 0.00 | 64.6 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 297.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 127.1 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 88.4 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1486** |
| 1028,1029[封闭阳台] | 南外墙 | 6.62 | 1.11 | 18 | 22.2 | 1.0 | 163.6 | -0.15 | 0.00 | 0.00 | 139.0 | 0.00 | 139.0 |
| 南外窗 | 4.98 | 3.90 | 18 | 22.2 | 1.0 | 431.2 | -0.15 | 0.00 | 0.00 | 366.5 | 0.00 | 366.5 |
| 周边地面 | 4.80 | 0.52 | 18 | 22.2 | 1.0 | 55.4 |  |  | 0.00 | 55.4 | 0.00 | 55.4 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 141.6 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 70.3 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 38.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **811** |
| 1030,1031,1032,1033[封闭阳台] | 顶板 | 4.80 | 2.98 | 18 | 22.2 | 0.8 | 238.5 | 0.00 | 0.00 | 0.00 | 238.5 | 0.00 | 238.5 |
| 南外墙 | 6.62 | 1.11 | 18 | 22.2 | 1.0 | 163.6 | -0.15 | 0.00 | 0.00 | 139.0 | 0.00 | 139.0 |
| 南外窗 | 4.98 | 3.90 | 18 | 22.2 | 1.0 | 431.2 | -0.15 | 0.00 | 0.00 | 366.5 | 0.00 | 366.5 |
| 周边地面 | 4.80 | 0.52 | 18 | 22.2 | 1.0 | 55.4 |  |  | 0.00 | 55.4 | 0.00 | 55.4 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 141.6 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 94.1 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 38.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1073** |
| 1046,1047,1048,1049,1050,1051[起居室] | 非周边地面 | 13.20 | 0.30 | 18 | 22.2 | 1.0 | 87.9 |  |  | 0.00 | 87.9 | 0.00 | 87.9 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 389.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 47.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 121.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **647** |
| 1层 | |  | | | | | | | | | | | **33518** |
| 2001,2002,2003,2004,2005,2006[餐厅] | 内墙 | 7.02 | 1.93 | 18 | 22.2 | 0.7 | 210.0 | 0.00 | 0.00 | 0.00 | 210.0 | 0.00 | 210.0 |
| 内墙 | 2.59 | 1.93 | 18 | 22.2 | 0.4 | 44.3 | 0.00 | 0.00 | 0.00 | 44.3 | 0.00 | 44.3 |
| 户墙 | 6.89 | 1.93 | 18 | 22.2 | 0.6 | 176.7 | 0.00 | 0.00 | 0.00 | 176.7 | 0.00 | 176.7 |
| 内门 | 1.68 | 2.30 | 18 | 22.2 | 0.7 | 60.1 | 0.00 | 0.00 | 0.00 | 60.1 | 0.00 | 60.1 |
| 内门 | 1.47 | 2.30 | 18 | 22.2 | 0.4 | 30.1 | 0.00 | 0.00 | 0.00 | 30.1 | 0.00 | 30.1 |
| 户门 | 2.10 | 2.30 | 18 | 22.2 | 0.6 | 64.4 | 0.00 | 0.00 | 0.00 | 64.4 | 0.00 | 64.4 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 531.2 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 111.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 166.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1394** |
| 2007[主卧室] | 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 95.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1206** |
| 2008[主卧室] | 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 东外墙 | 15.08 | 1.11 | 18 | 22.2 | 1.0 | 372.6 | -0.05 | 0.00 | 0.00 | 354.0 | 0.00 | 354.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 131.0 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1595** |
| 2009,2010,2012[过厅] | 与非采暖阳台相邻外墙 | 3.48 | 1.13 | 18 | 22.2 | 0.7 | 60.9 | 0.00 | 0.00 | 0.00 | 60.9 | 0.00 | 60.9 |
| 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 101.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1273** |
| 2011[主卧室] | 与非采暖阳台相邻外墙 | 3.48 | 1.13 | 18 | 22.2 | 0.7 | 60.9 | 0.00 | 0.00 | 0.00 | 60.9 | 0.00 | 60.9 |
| 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 西外墙 | 15.08 | 1.11 | 18 | 22.2 | 1.0 | 372.6 | -0.05 | 0.00 | 0.00 | 354.0 | 0.00 | 354.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 137.1 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1662** |
| 2016,2017,2018,2019,2020,2021[次卧室] | 北外墙 | 6.02 | 1.11 | 18 | 22.2 | 1.0 | 148.7 | 0.05 | 0.00 | 0.00 | 156.2 | 0.00 | 156.2 |
| 北外窗 | 2.10 | 3.90 | 18 | 22.2 | 1.0 | 181.8 | 0.05 | 0.00 | 0.00 | 190.9 | 0.00 | 190.9 |
| 户墙 | 10.44 | 1.93 | 18 | 22.2 | 0.6 | 267.7 | 0.00 | 0.00 | 0.00 | 267.7 | 0.00 | 267.7 |
| 内墙 | 3.77 | 1.93 | 18 | 22.2 | 0.4 | 64.4 | 0.00 | 0.00 | 0.00 | 64.4 | 0.00 | 64.4 |
| 内墙 | 6.67 | 1.93 | 18 | 22.2 | 0.7 | 199.5 | 0.00 | 0.00 | 0.00 | 199.5 | 0.00 | 199.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 297.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 117.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 88.4 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1382** |
| 2030,2031[封闭阳台] | 南外墙 | 6.62 | 1.11 | 18 | 22.2 | 1.0 | 163.6 | -0.15 | 0.00 | 0.00 | 139.0 | 0.00 | 139.0 |
| 南外窗 | 4.98 | 3.90 | 18 | 22.2 | 1.0 | 431.2 | -0.15 | 0.00 | 0.00 | 366.5 | 0.00 | 366.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 141.6 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 64.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 38.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **750** |
| 2046,2048,2050,2051[起居室] | 与非采暖阳台相邻外墙 | 6.35 | 1.13 | 18 | 22.2 | 0.7 | 111.1 | 0.00 | 0.00 | 0.00 | 111.1 | 0.00 | 111.1 |
| 不采暖封闭阳台门 | 5.25 | 2.30 | 18 | 22.2 | 0.7 | 187.2 | 0.00 | 0.00 | 0.00 | 187.2 | 0.00 | 187.2 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 389.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 68.8 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 121.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **878** |
| 2047,2049[起居室] | 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 389.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 38.9 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 121.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **550** |
| 2层 | |  | | | | | | | | | | | **27793** |
| 3001,3002,3003,3004,3005,3006[餐厅] | 内墙 | 7.02 | 1.93 | 18 | 22.2 | 0.7 | 210.0 | 0.00 | 0.00 | 0.00 | 210.0 | 0.00 | 210.0 |
| 内墙 | 2.59 | 1.93 | 18 | 22.2 | 0.4 | 44.3 | 0.00 | 0.00 | 0.00 | 44.3 | 0.00 | 44.3 |
| 户墙 | 6.89 | 1.93 | 18 | 22.2 | 0.6 | 176.7 | 0.00 | 0.00 | 0.00 | 176.7 | 0.00 | 176.7 |
| 内门 | 1.68 | 2.30 | 18 | 22.2 | 0.7 | 60.1 | 0.00 | 0.00 | 0.00 | 60.1 | 0.00 | 60.1 |
| 内门 | 1.47 | 2.30 | 18 | 22.2 | 0.4 | 30.1 | 0.00 | 0.00 | 0.00 | 30.1 | 0.00 | 30.1 |
| 户门 | 2.10 | 2.30 | 18 | 22.2 | 0.6 | 64.4 | 0.00 | 0.00 | 0.00 | 64.4 | 0.00 | 64.4 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 531.2 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 111.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 166.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1394** |
| 3007[主卧室] | 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 东外墙 | 15.08 | 1.11 | 18 | 22.2 | 1.0 | 372.6 | -0.05 | 0.00 | 0.00 | 354.0 | 0.00 | 354.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 131.0 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1595** |
| 3008,3009,3010,3011[主卧室] | 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 95.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1206** |
| 3012[主卧室] | 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 西外墙 | 15.08 | 1.11 | 18 | 22.2 | 1.0 | 372.6 | -0.05 | 0.00 | 0.00 | 354.0 | 0.00 | 354.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 131.0 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1595** |
| 3016,3017,3018,3019,3020,3021[次卧室] | 北外墙 | 6.02 | 1.11 | 18 | 22.2 | 1.0 | 148.7 | 0.05 | 0.00 | 0.00 | 156.2 | 0.00 | 156.2 |
| 北外窗 | 2.10 | 3.90 | 18 | 22.2 | 1.0 | 181.8 | 0.05 | 0.00 | 0.00 | 190.9 | 0.00 | 190.9 |
| 户墙 | 10.44 | 1.93 | 18 | 22.2 | 0.6 | 267.7 | 0.00 | 0.00 | 0.00 | 267.7 | 0.00 | 267.7 |
| 内墙 | 3.77 | 1.93 | 18 | 22.2 | 0.4 | 64.4 | 0.00 | 0.00 | 0.00 | 64.4 | 0.00 | 64.4 |
| 内墙 | 6.67 | 1.93 | 18 | 22.2 | 0.7 | 199.5 | 0.00 | 0.00 | 0.00 | 199.5 | 0.00 | 199.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 297.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 117.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 88.4 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1382** |
| 3028,3031,3032,3033[封闭阳台] | 南外墙 | 6.62 | 1.11 | 18 | 22.2 | 1.0 | 163.6 | -0.15 | 0.00 | 0.00 | 139.0 | 0.00 | 139.0 |
| 南外窗 | 4.98 | 3.90 | 18 | 22.2 | 1.0 | 431.2 | -0.15 | 0.00 | 0.00 | 366.5 | 0.00 | 366.5 |
| 底板 | 4.80 | 2.98 | 18 | 22.2 | 0.8 | 238.5 | 0.00 | 0.00 | 0.00 | 238.5 | 0.00 | 238.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 141.6 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 88.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 38.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1012** |
| 3029,3030[封闭阳台] | 南外墙 | 6.62 | 1.11 | 18 | 22.2 | 1.0 | 163.6 | -0.15 | 0.00 | 0.00 | 139.0 | 0.00 | 139.0 |
| 南外窗 | 4.98 | 3.90 | 18 | 22.2 | 1.0 | 431.2 | -0.15 | 0.00 | 0.00 | 366.5 | 0.00 | 366.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 141.6 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 64.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 38.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **750** |
| 3046,3047,3048,3049,3050,3051[起居室] | 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 389.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 38.9 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 121.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **550** |
| 3层 | |  | | | | | | | | | | | **30109** |
| 4001,4002,4003,4004,4005,4006[餐厅] | 户墙 | 6.89 | 1.93 | 18 | 22.2 | 0.6 | 176.7 | 0.00 | 0.00 | 0.00 | 176.7 | 0.00 | 176.7 |
| 内墙 | 2.59 | 1.93 | 18 | 22.2 | 0.4 | 44.3 | 0.00 | 0.00 | 0.00 | 44.3 | 0.00 | 44.3 |
| 内墙 | 7.02 | 1.93 | 18 | 22.2 | 0.7 | 210.0 | 0.00 | 0.00 | 0.00 | 210.0 | 0.00 | 210.0 |
| 户门 | 2.10 | 2.30 | 18 | 22.2 | 0.6 | 64.4 | 0.00 | 0.00 | 0.00 | 64.4 | 0.00 | 64.4 |
| 内门 | 1.47 | 2.30 | 18 | 22.2 | 0.4 | 30.1 | 0.00 | 0.00 | 0.00 | 30.1 | 0.00 | 30.1 |
| 内门 | 1.68 | 2.30 | 18 | 22.2 | 0.7 | 60.1 | 0.00 | 0.00 | 0.00 | 60.1 | 0.00 | 60.1 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 531.2 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 111.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 166.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1394** |
| 4007[主卧室] | 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 东外墙 | 15.08 | 1.11 | 18 | 22.2 | 1.0 | 372.6 | -0.05 | 0.00 | 0.00 | 354.0 | 0.00 | 354.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 131.0 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1595** |
| 4008,4009,4010,4011[主卧室] | 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 95.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1206** |
| 4012[主卧室] | 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 西外墙 | 15.08 | 1.11 | 18 | 22.2 | 1.0 | 372.6 | -0.05 | 0.00 | 0.00 | 354.0 | 0.00 | 354.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 131.0 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1595** |
| 4016,4017,4018,4019,4020,4021[次卧室] | 北外墙 | 6.02 | 1.11 | 18 | 22.2 | 1.0 | 148.7 | 0.05 | 0.00 | 0.00 | 156.2 | 0.00 | 156.2 |
| 北外窗 | 2.10 | 3.90 | 18 | 22.2 | 1.0 | 181.8 | 0.05 | 0.00 | 0.00 | 190.9 | 0.00 | 190.9 |
| 户墙 | 10.44 | 1.93 | 18 | 22.2 | 0.6 | 267.7 | 0.00 | 0.00 | 0.00 | 267.7 | 0.00 | 267.7 |
| 内墙 | 3.77 | 1.93 | 18 | 22.2 | 0.4 | 64.4 | 0.00 | 0.00 | 0.00 | 64.4 | 0.00 | 64.4 |
| 内墙 | 6.67 | 1.93 | 18 | 22.2 | 0.7 | 199.5 | 0.00 | 0.00 | 0.00 | 199.5 | 0.00 | 199.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 297.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 117.6 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 88.4 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1382** |
| 4028,4029,4030,4031,4032,4033[封闭阳台] | 南外墙 | 6.62 | 1.11 | 18 | 22.2 | 1.0 | 163.6 | -0.15 | 0.00 | 0.00 | 139.0 | 0.00 | 139.0 |
| 南外窗 | 4.98 | 3.90 | 18 | 22.2 | 1.0 | 431.2 | -0.15 | 0.00 | 0.00 | 366.5 | 0.00 | 366.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 141.6 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 64.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 38.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **750** |
| 4046,4047,4048,4049,4050,4051[起居室] | 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 389.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 38.9 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 121.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **550** |
| 4层 | |  | | | | | | | | | | | **29059** |
| 5001,5002,5003,5004,5005,5006[餐厅] | 屋顶 | 18.01 | 0.83 | 18 | 22.2 | 1.0 | 330.3 | 0.00 | 0.00 | 0.00 | 330.3 | 0.00 | 330.3 |
| 内墙 | 7.02 | 1.93 | 18 | 22.2 | 0.7 | 210.0 | 0.00 | 0.00 | 0.00 | 210.0 | 0.00 | 210.0 |
| 内墙 | 2.59 | 1.93 | 18 | 22.2 | 0.4 | 44.3 | 0.00 | 0.00 | 0.00 | 44.3 | 0.00 | 44.3 |
| 户墙 | 6.89 | 1.93 | 18 | 22.2 | 0.6 | 176.7 | 0.00 | 0.00 | 0.00 | 176.7 | 0.00 | 176.7 |
| 内门 | 1.68 | 2.30 | 18 | 22.2 | 0.7 | 60.1 | 0.00 | 0.00 | 0.00 | 60.1 | 0.00 | 60.1 |
| 内门 | 1.47 | 2.30 | 18 | 22.2 | 0.4 | 30.1 | 0.00 | 0.00 | 0.00 | 30.1 | 0.00 | 30.1 |
| 户门 | 2.10 | 2.30 | 18 | 22.2 | 0.6 | 64.4 | 0.00 | 0.00 | 0.00 | 64.4 | 0.00 | 64.4 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 531.2 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 144.7 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 166.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1758** |
| 5007,5009,5010,5012[主卧室] | 屋顶 | 17.15 | 0.83 | 18 | 22.2 | 1.0 | 314.5 | 0.00 | 0.00 | 0.00 | 314.5 | 0.00 | 314.5 |
| 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 127.0 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1552** |
| 5008[主卧室] | 屋顶 | 17.15 | 0.83 | 18 | 22.2 | 1.0 | 314.5 | 0.00 | 0.00 | 0.00 | 314.5 | 0.00 | 314.5 |
| 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 东外墙 | 15.08 | 1.11 | 18 | 22.2 | 1.0 | 372.6 | -0.05 | 0.00 | 0.00 | 354.0 | 0.00 | 354.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 162.4 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1941** |
| 5011[主卧室] | 屋顶 | 17.15 | 0.83 | 18 | 22.2 | 1.0 | 314.5 | 0.00 | 0.00 | 0.00 | 314.5 | 0.00 | 314.5 |
| 南外墙 | 8.95 | 1.11 | 18 | 22.2 | 1.0 | 221.1 | -0.15 | 0.00 | 0.00 | 188.0 | 0.00 | 188.0 |
| 西外墙 | 15.08 | 1.11 | 18 | 22.2 | 1.0 | 372.6 | -0.05 | 0.00 | 0.00 | 354.0 | 0.00 | 354.0 |
| 南外窗 | 1.20 | 3.90 | 18 | 22.2 | 1.0 | 103.9 | -0.15 | 0.00 | 0.00 | 88.3 | 0.00 | 88.3 |
| 内墙 | 5.80 | 1.93 | 18 | 22.2 | 0.7 | 173.5 | 0.00 | 0.00 | 0.00 | 173.5 | 0.00 | 173.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 505.9 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 162.4 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 154.5 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1941** |
| 5016,5017,5018,5019,5020,5021[次卧室] | 屋顶 | 10.08 | 0.83 | 18 | 22.2 | 1.0 | 184.8 | 0.00 | 0.00 | 0.00 | 184.8 | 0.00 | 184.8 |
| 北外墙 | 6.02 | 1.11 | 18 | 22.2 | 1.0 | 148.7 | 0.05 | 0.00 | 0.00 | 156.2 | 0.00 | 156.2 |
| 北外窗 | 2.10 | 3.90 | 18 | 22.2 | 1.0 | 181.8 | 0.05 | 0.00 | 0.00 | 190.9 | 0.00 | 190.9 |
| 户墙 | 10.44 | 1.93 | 18 | 22.2 | 0.6 | 267.7 | 0.00 | 0.00 | 0.00 | 267.7 | 0.00 | 267.7 |
| 内墙 | 3.77 | 1.93 | 18 | 22.2 | 0.4 | 64.4 | 0.00 | 0.00 | 0.00 | 64.4 | 0.00 | 64.4 |
| 内墙 | 6.67 | 1.93 | 18 | 22.2 | 0.7 | 199.5 | 0.00 | 0.00 | 0.00 | 199.5 | 0.00 | 199.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 297.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 136.1 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 88.4 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **1585** |
| 5028,5029,5030,5031,5032,5033[封闭阳台] | 屋顶 | 4.80 | 0.83 | 18 | 22.2 | 1.0 | 88.0 | 0.00 | 0.00 | 0.00 | 88.0 | 0.00 | 88.0 |
| 南外墙 | 6.62 | 1.11 | 18 | 22.2 | 1.0 | 163.6 | -0.15 | 0.00 | 0.00 | 139.0 | 0.00 | 139.0 |
| 南外窗 | 4.98 | 3.90 | 18 | 22.2 | 1.0 | 431.2 | -0.15 | 0.00 | 0.00 | 366.5 | 0.00 | 366.5 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 141.6 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 73.5 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 38.0 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **847** |
| 5046,5047,5048,5049,5050,5051[起居室] | 屋顶 | 13.20 | 0.83 | 18 | 22.2 | 1.0 | 242.1 | 0.00 | 0.00 | 0.00 | 242.1 | 0.00 | 242.1 |
| 新风负荷 |  |  |  |  |  |  |  |  |  |  |  | 389.3 |
| 间歇采暖 |  |  |  |  |  |  |  |  |  |  |  | 63.1 |
| 户间传热 |  |  |  |  |  |  |  |  |  |  |  | 121.6 |
| 小计 |  |  |  |  |  |  |  |  |  |  |  | **816** |
| 5层 | |  | | | | | | | | | | | **36713** |
| win绿 | |  | | | | | | | | | | | **157191** |