

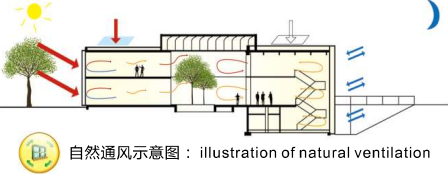
# Commercial Energy Recovery Ventilator

商用型全热新风交换机

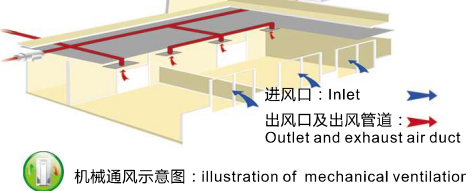


## Major Ventilations 室内通风换气的主要方式

### Natural ventilation 开窗通风换气：



### Mechanical ventilation 机械通风换气：



Natural ventilation is the most usual ventilation that a building will employ. However, it brings pollutants, insects and etc. into the buildings while fresh air is introduced. At the same time, opening a window may cause theft at night time. Moreover in the cooling, heating seasons or when outdoor climate is unpleasant, opening a window is not an ideal choice.

开窗通风换气是最常见的通风换气方式，但由于开窗容易导致室外污染物进入室内（如尘土、蚊虫等），同时，如在夜间开窗，具有失窃的安全隐患，而如果室内有冷气或暖气的情况下或室外的自然环境不佳时，也是不宜开窗通风换气的。

It ventilates the occupied room by the ventilator when the square meter and ventilation requirement taken into account, which is a preferred choice of ventilation. In this case, the Commercial Energy Recovery Ventilator manufactured by Nedfon is a good choice. It minimizes the energy consumption in the cooling and heating seasons.

根据室内面积和通风要求，通过通风器械来实现的，是目前较好的通风换气方式，但如果采取通风器械来实现通风换气，应选择绿岛风的商用型全热新风交换机，这种机械通风换气方式，能有效避免在通风换气时将室内冷气、暖气的流失，在通风换气时节省了能源，保证了夏天空调耗电量的不增加和冬天取暖设备耗能的不增加。

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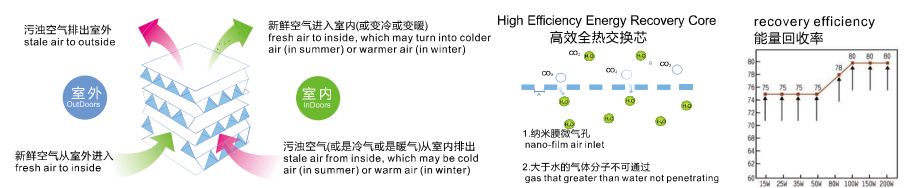
## Ventilation with an air conditioner 空调通风换气



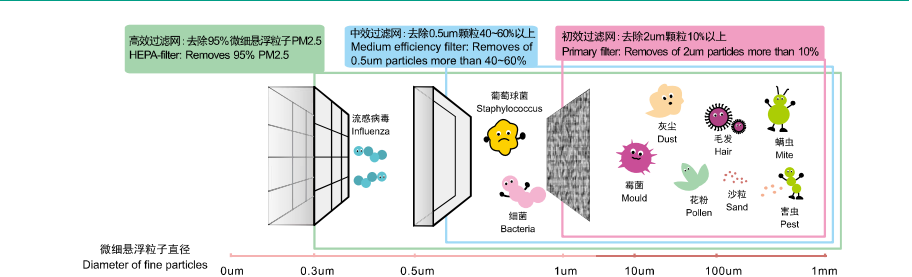
The main purpose of an air conditioner is either to cool or heat an occupied room and that's why to ventilate with an air conditioner cannot meet the minimum ventilation requirement.

空调的主要作用是制冷或制热，因此，空调的换气功能是不能达到室内通风换气的要求。

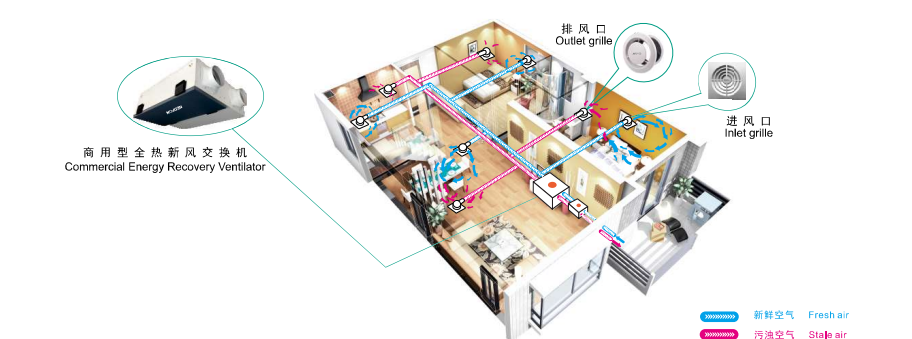
## Working Principle Of Heat Exchanger 热交换器工作原理



## Filter Type 过滤网类型



## Installation Chart 安装示意图



# Commercial Energy Recovery Ventilator

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Guideline 选型指南—不同类型建筑，风量要求不相同

| 新风量<br>Fresh air                                                                      | 不吸烟<br>Non-smoking    |                  |                     |               | 吸烟<br>Smoking         |                  |                     |                  |
|---------------------------------------------------------------------------------------|-----------------------|------------------|---------------------|---------------|-----------------------|------------------|---------------------|------------------|
|                                                                                       | 医院病房<br>Hospital ward | 体育馆<br>Gymnasium | 商场<br>Shopping mall | 办公室<br>Office | 计算机房<br>Computer room | 餐厅<br>Restaurant | 高级客房<br>Deluxe room | 会议室<br>Boardroom |
| 每人所需换气量Q <sub>1</sub> [m³/h]<br>Minimum airflow required pre person (Q <sub>1</sub> ) | 17 ~ 42               | 8 ~ 20           | 8.5 ~ 21            | 25 ~ 26       | 40 ~ 100              | 20 ~ 50          | 30 ~ 75             | 50 ~ 125         |
| 所需换气次数P [times/h]<br>Minimum air changes pre hour (P)                                 | 1.06 ~ 2.65           | 0.5 ~ 1.25       | 1.06 ~ 2.66         | 1.56 ~ 3.9    | 2.5 ~ 6.25            | 1.25 ~ 3.13      | 1.88 ~ 4.69         | 3.13 ~ 7.81      |

| 建筑类型与房间名称 Applications |                                                                        |                             | 新风量 (立方米/每小时/每人)<br>Fresh air(m³/hour per person) |
|------------------------|------------------------------------------------------------------------|-----------------------------|---------------------------------------------------|
| 酒店<br>Hotel            | 客房<br>Bedroom                                                          | 5星级<br>5-star               | 50                                                |
|                        |                                                                        | 4星级<br>4-star               | 40                                                |
|                        |                                                                        | 3星级<br>3-star               | 30                                                |
|                        | 餐厅/宴会厅/<br>多功能厅<br>Restaurant /<br>ballroom/<br>multi-<br>purpose hall | 5星级<br>5-star               | 30                                                |
|                        |                                                                        | 4星级<br>4-star               | 25                                                |
|                        |                                                                        | 3星级<br>3-star               | 20                                                |
|                        | 大堂/四季厅<br>Lobby/all-season hall                                        | 4星级到5星级<br>4-star to 5-star | 10                                                |
|                        |                                                                        | 4星级到5星级<br>4-star to 5-star | 20                                                |
|                        |                                                                        | 2星级到3星级<br>2-star to 3-star | 10                                                |
|                        | 美容/理发/康乐设施<br>Beauty salon/barber' s/<br>entertainment facility        |                             | 30                                                |

| 建筑类型与房间名称 Applications                      |                                                            |                             | 新风量 (立方米/小时/每人)<br>Fresh air(m³/hour per person) |
|---------------------------------------------|------------------------------------------------------------|-----------------------------|--------------------------------------------------|
| 普通酒店<br>Average hotel                       | 客房<br>Bedroom                                              | 1星级到3星级<br>1-star to 3-star | 30                                               |
|                                             |                                                            | 4星级<br>4-star               | 20                                               |
| 文化娱乐<br>Entertainment<br>facility           | 影剧院/音乐厅/录像厅<br>Theatre /concert room /mini theatre         |                             | 20                                               |
|                                             | 游艺厅/舞厅(包括卡拉OK厅)<br>Game room/disco hall (karaoke included) |                             | 30                                               |
|                                             | 酒吧/茶厅/咖啡厅<br>Pub/tea house/cafe/terria                     |                             | 10                                               |
|                                             | 体育馆<br>Gymnasium                                           |                             | 20                                               |
| 商场(店)/书店<br>Shopping mall (shops) /bookshop |                                                            |                             | 20                                               |
| 饭馆(餐厅)<br>Restaurant                        |                                                            |                             | 20                                               |
| 办公场所<br>Office building                     |                                                            |                             | 30                                               |
| 学校<br>School,<br>college                    | 教室<br>Classroom                                            | 小学<br>Primary school        | 11                                               |
|                                             |                                                            | 初中<br>Junior high school    | 14                                               |
|                                             |                                                            | 高中<br>High school           | 17                                               |

Guideline--How to pick an appropriate model 选型指南—选型计算

Square meter of a hospital room (S) = 70m², height (H) = 3 M numbers of person (N) = 10, minimum airflow required per person (Q<sub>1</sub>), minimum air changes per hour (P)

A. Supposed 50 m³/h is the minimum airflow required per person (Q<sub>1</sub>), minimum airflow required in total=Q<sub>1</sub>=N×Q=10 person X 50 m³/h per person=500 m³/h

B. Supposed minimum air change (P) is 3 times/h, minimum airflow required in total=Q<sub>2</sub>=P×S×H=3times/h X 70 m² X 3 m=630 m³/h

Since Q<sub>1</sub> is smaller than Q<sub>2</sub>, Q<sub>2</sub> will be the reference when considering an appropriate model. Information is for reference only.

某普通病房面积S=70平方米, 净高H=3米, 病人N=10个, 每人所需风量用Q代表, 换气次数P=次数/小时

A. 若按每人所需新风量计算:

取每人所需新风量Q=50 m³/h, 则新风量Q<sub>1</sub>=N × Q=10个人X 50 m³/h /人=500 m³/h

B. 若按房间新风换气次数计算:

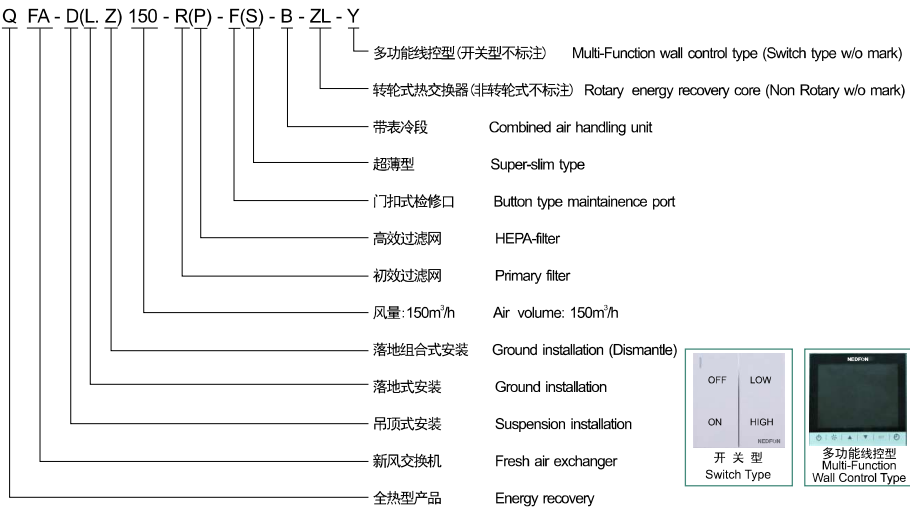
取房间新风换气次数P=3次/小时, 则新风量由于Q<sub>2</sub>=P × S × H =3次/小时X70平方米X3米=630 m³/h

而Q<sub>1</sub><Q<sub>2</sub>, 故Q<sub>2</sub>作为设备选型的依据。以上标准仅供参考。

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Model Explanation 型号说明



Electrical Ratings 技术参数

| 产品型号<br>Model No. | 额定电压/ 频率/ 相数<br>Rated Voltage/<br>Frequency/<br>Phase | 档位<br>Setting | 功率<br>Power<br>(W) | 风量<br>Air Volume<br>(m³/h) | 静压<br>Static Pressure<br>(Pa) | 温度交换效率<br>Sensible Heat<br>Efficiency (%) |               | 焓交换效率<br>Enthalpy<br>Efficiency (%) |               | 噪音<br>Noise<br>(dB(A)) | 管口尺寸<br>Duct Size<br>(mm) | 外形尺寸<br>Unit Size<br>L x W x H<br>(mm) | 净重<br>Net<br>Weight<br>(kg) |
|-------------------|-------------------------------------------------------|---------------|--------------------|----------------------------|-------------------------------|-------------------------------------------|---------------|-------------------------------------|---------------|------------------------|---------------------------|----------------------------------------|-----------------------------|
|                   |                                                       |               |                    |                            |                               | 制冷<br>Cooling                             | 制热<br>Heating | 制冷<br>Cooling                       | 制热<br>Heating |                        |                           |                                        |                             |
| QFA-D150R-F       | 220V~/ 50Hz/ 1Ph                                      | 高档 High       | 87                 | 150                        | 195                           | 64                                        | 78            | 65                                  | 69            | 38                     | 125                       | 800x650x225                            | 22.4                        |
| QFA-D150R-F-Y     |                                                       | 低档 Low        | 64                 | 113                        | 155                           | 65                                        | 79            | 64                                  | 73            | 36                     |                           |                                        |                             |
| QFA-D250R-F       |                                                       | 高档 High       | 145                | 250                        | 220                           | 65                                        | 77            | 64                                  | 68            | 40                     | 150                       | 800x650x225                            | 22.4                        |
| QFA-D250R-F-Y     |                                                       | 低档 Low        | 128                | 195                        | 200                           | 66                                        | 80            | 66                                  | 72            | 38                     |                           |                                        |                             |
| QFA-D350R-F       |                                                       | 高档 High       | 255                | 350                        | 285                           | 50                                        | 77            | 59                                  | 68            | 42                     | 150                       | 885x730x275                            | 30.5                        |
| QFA-D350R-F-Y     |                                                       | 低档 Low        | 215                | 305                        | 270                           | 55                                        | 81            | 63                                  | 71            | 40                     |                           |                                        |                             |
| QFA-D500R-F       |                                                       | 高档 High       | 265                | 500                        | 295                           | 56                                        | 70            | 56                                  | 66            | 43                     | 200                       | 885x730x275                            | 30.5                        |
| QFA-D500R-F-Y     |                                                       | 低档 Low        | 215                | 365                        | 285                           | 60                                        | 71            | 58                                  | 67            | 40                     |                           |                                        |                             |
| QFA-D800R-F       |                                                       | 高档 High       | 446                | 800                        | 380                           | 56                                        | 69            | 55                                  | 65            | 45                     | 250                       | 1150x970x380                           | 58.0                        |
| QFA-D800R-F-Y     |                                                       | 低档 Low        | 382                | 660                        | 345                           | 60                                        | 71            | 58                                  | 67            | 43                     |                           |                                        |                             |
| QFA-D1000R-F      |                                                       | 高档 High       | 530                | 1000                       | 395                           | 59                                        | 71            | 58                                  | 67            | 48                     | 250                       | 1250x970x380                           | 60.0                        |
| QFA-D1000R-F-Y    |                                                       | 低档 Low        | 425                | 805                        | 365                           | 62                                        | 74            | 56                                  | 66            | 46                     |                           |                                        |                             |
| QFA-D1500R-F      |                                                       | 高档 High       | 1165               | 1500                       | 485                           | 55                                        | 68            | 54                                  | 64            | 50                     | 310 x 260                 | 1200x1070x445                          | 80.0                        |
| QFA-D1500R-F-Y    |                                                       | 低档 Low        | 945                | 1240                       | 470                           | 58                                        | 70            | 57                                  | 66            | 48                     |                           |                                        |                             |
| QFA-D2000R-F      |                                                       | 高档 High       | 1420               | 2000                       | 510                           | 58                                        | 69            | 54                                  | 64            | 52                     | 310 x 260                 | 1200x1070x445                          | 83.0                        |
| QFA-D2000R-F-Y    |                                                       | 低档 Low        | 1195               | 1490                       | 490                           | 63                                        | 71            | 58                                  | 66            | 50                     |                           |                                        |                             |

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#### Electrical Ratings 技术参数

| 产品型号<br>Model No.              | 额定电压/ 频率/ 相数<br>Rated Voltage/<br>Frequency/<br>Phase | 档位<br>Setting | 功率<br>Power (W) | 风量<br>Air Volume<br>(m³/h) | 静压<br>Static Pressure<br>(Pa) | 温度交换效率<br>Sensible Heat<br>Efficiency (%) |               | 焓交换效率<br>Enthalpy<br>Efficiency (%) |               | 噪音<br>Noise<br>(dB(A)) | 管口尺寸<br>Duct Size<br>(mm) | 外形尺寸<br>Unit Size<br>L x W x H<br>(mm) | 净重<br>Net<br>Weight<br>(kg) |
|--------------------------------|-------------------------------------------------------|---------------|-----------------|----------------------------|-------------------------------|-------------------------------------------|---------------|-------------------------------------|---------------|------------------------|---------------------------|----------------------------------------|-----------------------------|
|                                |                                                       |               |                 |                            |                               | 制冷<br>Cooling                             | 制热<br>Heating | 制冷<br>Cooling                       | 制热<br>Heating |                        |                           |                                        |                             |
| QFA-D150P-F<br>QFA-D150P-F-Y   | 220V~/50Hz/ 1Ph                                       | 高档 High       | 116             | 150                        | 195                           | 64                                        | 78            | 65                                  | 69            | 38                     | 125                       | 865x730x245                            | 25.8                        |
|                                |                                                       | 低档 Low        | 96              | 125                        | 185                           | 65                                        | 79            | 64                                  | 73            | 36                     |                           |                                        |                             |
|                                |                                                       | 高档 High       | 150             | 250                        | 235                           | 65                                        | 77            | 64                                  | 68            | 40                     | 150                       | 865x730x245                            | 25.8                        |
|                                |                                                       | 低档 Low        | 128             | 215                        | 225                           | 66                                        | 80            | 66                                  | 72            | 38                     |                           |                                        |                             |
|                                |                                                       | 高档 High       | 370             | 350                        | 340                           | 50                                        | 77            | 59                                  | 68            | 42                     | 150                       | 1085x860x275                           | 42.3                        |
|                                |                                                       | 低档 Low        | 305             | 305                        | 320                           | 55                                        | 81            | 63                                  | 71            | 40                     |                           |                                        |                             |
|                                |                                                       | 高档 High       | 475             | 500                        | 405                           | 56                                        | 70            | 56                                  | 66            | 43                     | 200                       | 1085x860x275                           | 42.3                        |
|                                |                                                       | 低档 Low        | 396             | 435                        | 365                           | 60                                        | 71            | 58                                  | 67            | 41                     |                           |                                        |                             |
|                                |                                                       | 高档 High       | 450             | 800                        | 350                           | 52                                        | 71            | 57                                  | 65            | 45                     | 250                       | 1350x1070x380                          | 70.0                        |
|                                |                                                       | 低档 Low        | 355             | 660                        | 330                           | 51                                        | 78            | 65                                  | 72            | 43                     |                           |                                        |                             |
|                                |                                                       | 高档 High       | 700             | 1000                       | 460                           | 58                                        | 69            | 55                                  | 67            | 48                     | 250                       | 1350x1070x380                          | 80.0                        |
|                                |                                                       | 低档 Low        | 500             | 820                        | 430                           | 61                                        | 72            | 59                                  | 68            | 46                     |                           |                                        |                             |
| QFA-D1500P-F<br>QFA-D1500P-F-Y | 380V~/50Hz/ 3Ph                                       | 高档 High       | 960             | 1500                       | 520                           | 55                                        | 68            | 60                                  | 62            | 52                     | 310 x 260                 | 1400x1220x445                          | 110.0                       |
|                                |                                                       | 低档 Low        | 680             | 1200                       | 470                           | 52                                        | 61            | 65                                  | 68            | 50                     | 400 x 300                 |                                        |                             |
|                                |                                                       | 高档 High       | 1300            | 2000                       | 550                           | 57                                        | 65            | 63                                  | 64            | 54                     | 310 x 260                 | 1400x1220x445                          | 110.0                       |
|                                |                                                       | 低档 Low        | 1000            | 1500                       | 520                           | 62                                        | 63            | 67                                  | 68            | 52                     | 400 x 300                 |                                        |                             |
|                                |                                                       |               | 1100            | 2500                       | 175                           | 68                                        | 72            | 66                                  | 68            | 55                     | 475 x 400                 | 1750x1450x680                          | 205.0                       |
|                                |                                                       |               | 1200            | 3000                       | 190                           | 66                                        | 72            | 65                                  | 67            | 58                     | 475 x 400                 | 1750x1450x680                          | 205.0                       |
|                                |                                                       |               | 1900            | 4000                       | 230                           | 66                                        | 72            | 65                                  | 67            | 62                     | 560 x 400                 | 1870x1600x680                          | 230.0                       |
|                                |                                                       |               | 3000            | 5000                       | 280                           | 66                                        | 72            | 65                                  | 67            | 64                     | 650 x 470                 | 2000x1800x750                          | 290.0                       |
|                                |                                                       |               | 3100            | 6000                       | 320                           | 68                                        | 73            | 66                                  | 68            | 66                     | 650 x 470                 | 2000x1800x750                          | 290.0                       |
|                                |                                                       |               | 4000            | 8000                       | 380                           | 68                                        | 73            | 66                                  | 68            | 68                     | 578 x 478                 | 2250x1850x890                          | 360.0                       |
|                                |                                                       |               |                 |                            |                               |                                           |               |                                     |               |                        | 420 x 320                 |                                        |                             |
|                                |                                                       |               |                 |                            |                               |                                           |               |                                     |               |                        |                           |                                        |                             |

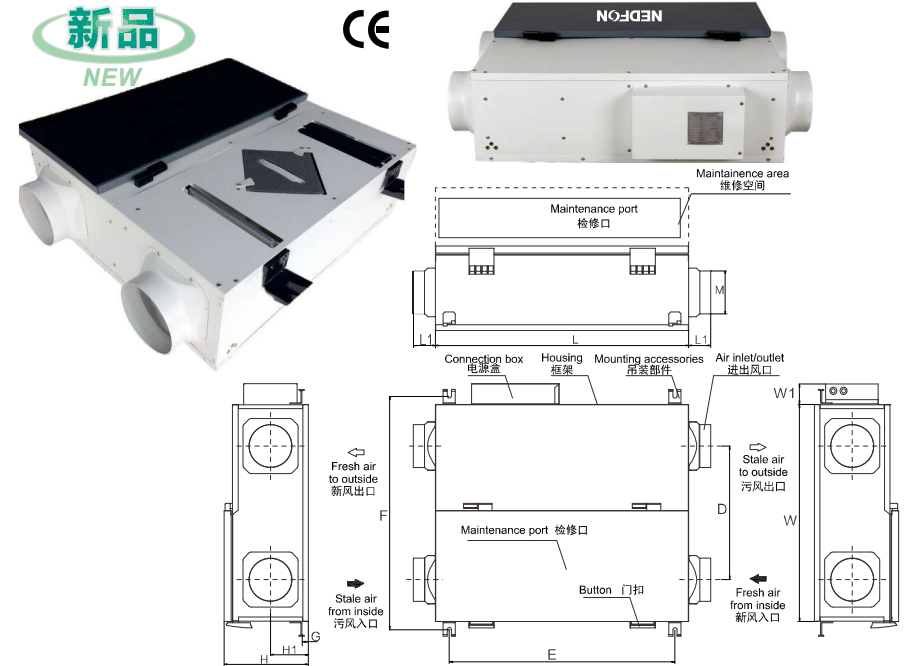
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| 产品型号<br>Model No. | 额定电压/ 频率/ 相数<br>Rated Voltage/<br>Frequency/<br>Phase | 功率<br>Power<br>(W) | 风量<br>Air Volume<br>(m³/h) | 静压<br>Static Pressure<br>(Pa) | 温度交换效率<br>Sensible Heat<br>Efficiency (%) |               | 焓交换效率<br>Enthalpy<br>Efficiency (%) |               | 噪音<br>Noise<br>(dB(A)) | 管口尺寸<br>Duct Size<br>(mm) | 外形尺寸<br>Unit Size<br>L x W x H<br>(mm) | 净重<br>Net<br>Weight<br>(kg) |
|-------------------|-------------------------------------------------------|--------------------|----------------------------|-------------------------------|-------------------------------------------|---------------|-------------------------------------|---------------|------------------------|---------------------------|----------------------------------------|-----------------------------|
|                   |                                                       |                    |                            |                               | 制冷<br>Cooling                             | 制热<br>Heating | 制冷<br>Cooling                       | 制热<br>Heating |                        |                           |                                        |                             |
| QFA-D2500R-S      | 380V~f 50Hz/ 3Ph                                      | 900                | 2500                       | 220                           | 70                                        | 75            | 66                                  | 69            | 59                     | 350 x 220                 | 1420x1295x480                          | 145                         |
| QFA-D3000R-S      |                                                       | 1100               | 3000                       | 230                           | 69                                        | 75            | 65                                  | 68            | 60                     |                           |                                        |                             |
| QFA-D4000R        |                                                       | 1300               | 4000                       | 260                           | 69                                        | 75            | 65                                  | 68            | 63                     | 475 x 400                 | 1710x1305x680                          | 205                         |
| QFA-D4000R-Y      |                                                       |                    |                            |                               |                                           |               |                                     |               |                        | 345 x 230                 |                                        |                             |
| QFA-D5000R        |                                                       | 2000               | 5000                       | 280                           | 69                                        | 75            | 65                                  | 68            | 65                     | 550 x 400                 | 1830x1455x680                          | 230                         |
| QFA-D5000R-Y      |                                                       |                    |                            |                               |                                           |               |                                     |               |                        | 345 x 230                 |                                        |                             |
| QFA-D6000R        |                                                       | 3200               | 6000                       | 300                           | 71                                        | 76            | 66                                  | 69            | 66                     | 650 x 470                 | 1960x1655x750                          | 290                         |
| QFA-D6000R-Y      |                                                       |                    |                            |                               |                                           |               |                                     |               |                        | 360 x 265                 |                                        |                             |
| QFA-D8000R        |                                                       | 6000               | 8000                       | 300                           | 71                                        | 76            | 65                                  | 69            | 68                     | 578 x 478                 | 2230x1725x890                          | 360                         |
| QFA-D8000R-Y      |                                                       |                    |                            |                               |                                           |               |                                     |               |                        | 420 x 320                 |                                        |                             |
| QFA-D10000R       |                                                       | 8000               | 10000                      | 350                           | 71                                        | 76            | 65                                  | 69            | 68                     | 680 x 540                 | 2350x2054x890                          | 490                         |
| QFA-D10000R-Y     |                                                       |                    |                            |                               |                                           |               |                                     |               |                        | 460 x 360                 |                                        |                             |
| QFA-L2000R        |                                                       | 1100               | 2000                       | 200                           |                                           | 76            | 66                                  | 70            | 60                     | 345 x 213                 | 1285x1050x1250                         | 212                         |
| QFA-L2500R        |                                                       | 1600               | 2500                       | 200                           |                                           | 76            | 66                                  | 70            | 61                     | 345 x 230                 | 1285x1050x1550                         | 255                         |
| QFA-L3000R        |                                                       | 1600               | 3000                       | 210                           |                                           | 76            | 66                                  | 70            | 61                     | 345 x 230                 | 1285x1050x1550                         | 280                         |
| QFA-L4000R        |                                                       | 2200               | 4000                       | 220                           |                                           | 75            | 65                                  | 69            | 63                     | 360 x 265                 | 1435x1100x1650                         | 318                         |
| QFA-L5000R        |                                                       | 3000               | 5000                       | 260                           |                                           | 75            | 65                                  | 69            | 65                     | 360 x 265                 | 1435x1100x1650                         | 385                         |
| QFA-L6000R        |                                                       | 3000               | 6000                       | 300                           |                                           | 76            | 65                                  | 70            | 64                     | 385 x 287                 | 1585x1100x1650                         | 530                         |
| QFA-L8000R        |                                                       | 4400               | 8000                       | 300                           |                                           | 76            | 66                                  | 70            | 68                     | 385 x 296                 | 1885x1200x2150                         | 660                         |
| QFA-L10000R       |                                                       | 6000               | 10000                      | 300                           |                                           | 76            | 66                                  | 70            | 69                     | 430 x 335                 | 1885x1200x2150                         | 720                         |
| QFA-L15000R       | 11000                                                 | 15000              | 450                        |                               | 76                                        | 66            | 70                                  | 72            | 585 x 470              | 2435x1200x2450            | 980                                    |                             |
| QFA-L20000R       | 15000                                                 | 20000              | 400                        |                               | 75                                        | 65            | 69                                  | 74            | 640 x 520              | 2435x1200x2600            | 1150                                   |                             |

## Commercial Energy Recovery Ventilator

### 商用型全热新风交换机

#### External Dimensions 外形尺寸图



QFA-D150R-F, QFA-D150R-F-Y, QFA-D250R-F, QFA-D250R-F-Y, QFA-D350R-F, QFA-D350R-F-Y, QFA-D500R-F, QFA-D500R-F-Y, QFA-D800R-F, QFA-D800R-F-Y, QFA-D1000R-F, QFA-D1000R-F-Y, QFA-D150P-F, QFA-D150P-F-Y, QFA-D250P-F, QFA-D250P-F-Y, QFA-D350P-F, QFA-D350P-F-Y, QFA-D500P-F, QFA-D500P-F-Y, QFA-D800P-F, QFA-D800P-F-Y, QFA-D1000P-F, QFA-D1000P-F-Y

#### Dimension Table 尺寸表

| Unit 单位: mm                  |      |    |     |    |     |     |     |      |     |     |      |  |
|------------------------------|------|----|-----|----|-----|-----|-----|------|-----|-----|------|--|
| 型号<br>Model No.              | L    | L1 | W   | W1 | H   | H1  | D   | E    | F   | G   | M    |  |
| QFA-D150R-F, QFA-D150R-F-Y   | 670  | 65 | 550 | 60 | 225 | 100 | 308 | 590  | 597 | 19  | Φ125 |  |
| QFA-D250R-F, QFA-D250R-F-Y   | 670  | 65 | 550 | 60 | 225 | 100 | 291 | 590  | 597 | 19  | Φ150 |  |
| QFA-D350R-F, QFA-D350R-F-Y   | 735  | 75 | 630 | 60 | 275 | 125 | 392 | 655  | 677 | 19  | Φ150 |  |
| QFA-D500R-F, QFA-D500R-F-Y   | 735  | 75 | 630 | 60 | 275 | 125 | 340 | 655  | 677 | 19  | Φ200 |  |
| QFA-D800R-F, QFA-D800R-F-Y   | 1000 | 75 | 850 | 80 | 380 | 178 | 483 | 860  | 895 | 145 | Φ250 |  |
| QFA-D1000R-F, QFA-D1000R-F-Y | 1100 | 75 | 850 | 80 | 380 | 178 | 483 | 960  | 895 | 145 | Φ250 |  |
| QFA-D150P-F, QFA-D150P-F-Y   | 735  | 65 | 630 | 60 | 245 | 110 | 388 | 655  | 676 | 18  | Φ125 |  |
| QFA-D250P-F, QFA-D250P-F-Y   | 735  | 65 | 630 | 60 | 245 | 110 | 388 | 655  | 676 | 18  | Φ150 |  |
| QFA-D350P-F, QFA-D350P-F-Y   | 935  | 75 | 760 | 60 | 275 | 125 | 469 | 855  | 806 | 18  | Φ150 |  |
| QFA-D500P-F, QFA-D500P-F-Y   | 935  | 75 | 760 | 60 | 275 | 125 | 469 | 855  | 806 | 18  | Φ200 |  |
| QFA-D800P-F, QFA-D800P-F-Y   | 1200 | 75 | 950 | 80 | 380 | 178 | 515 | 1060 | 993 | 145 | Φ250 |  |
| QFA-D1000P-F, QFA-D1000P-F-Y | 1200 | 75 | 950 | 80 | 380 | 160 | 528 | 1060 | 993 | 145 | Φ250 |  |