【更高效率和更低噪音的突破】

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Q plus

风机动能回收系统

Fan Kinetic Energy Recovery System

【更高效率和更低噪音的突破】

Breakthrough in Higher Efficiency and Lower Noise

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Q plus

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【更高效率等级】

Higher efficiency level

● 通过流场仿真设计最佳的 Q plus 风道系统，能够有效回收风机旋转时产生的动能，将未被利用的出口的动能损失转化为有用的静压能，大大提高风机效率，有效提高空调机组的系统能力，降低了机组运行成本，运行生命周期内大大降低了碳排放。

◇ A perfect Q plus air duct system designed according to the flow field simulation can effectively recover the kinetic energy generated by the fan rotation, convert the kinetic energy loss of the unused outlet into useful static pressure energy, greatly improve the efficiency of the fan, effectively improve the system capacity of the air conditioning unit, reduce the operating cost of the unit, and greatly reduce carbon emissions during the operation life cycle.

【更低噪音的突破】

Lower noise breakthrough

● 通过流场仿真，设计出最佳的 Q plus 风道系统，运行时出口风速降低，从而有效降低了风机的噪音水平，保证环境的安静舒适。

◇ The optimal Q plus air duct system is designed according to the flow field simulation, which reduces the outlet wind speed during operation, effectively reducing the noise level of the fan and ensuring a quiet and comfortable environment.

【更高效率和更低噪音的突破】

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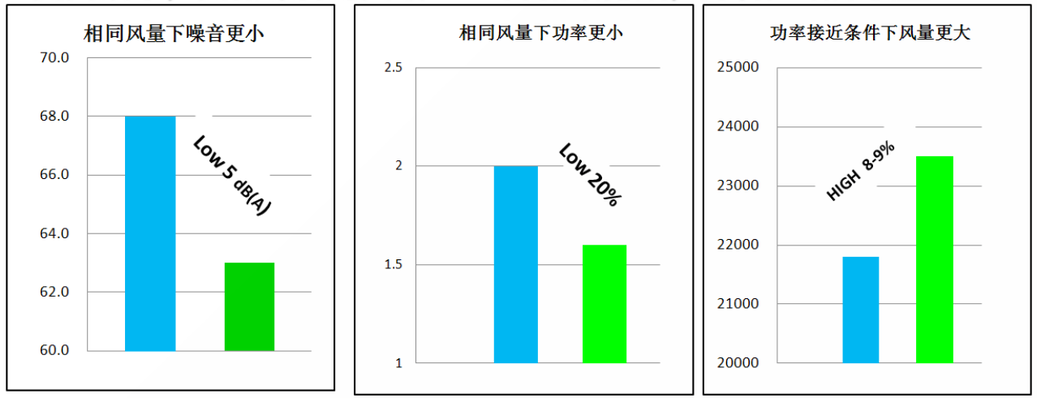
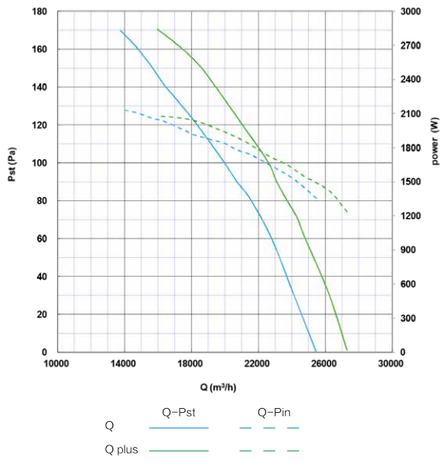
同直径风机，使用标准 Q 风筒与 Q plus 风筒相比，在试验室中测得数据：

The data were measured in the laboratory in the same diameter fan using Q duct and Q plus duct:



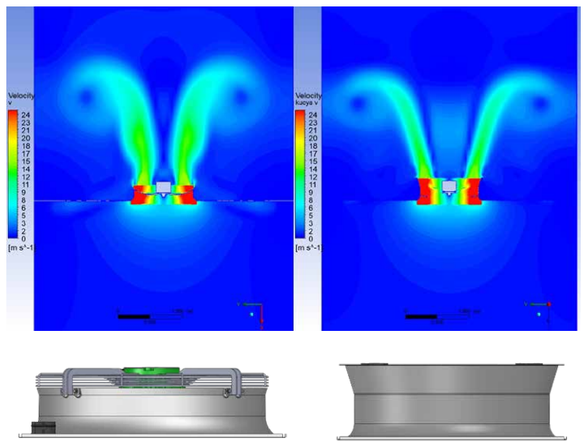
【性能对比】

Performance comparison



同规格风机，使用标准 Q 风筒与 Q plus 风筒相比，风量提升 8~10%，功率下降 10% 左右，噪音降低 3dB（A）以上。

Compared with the standard Q duct, the air volume of fan with Q plus duct is increased by 8~10%, the power is reduced by about 10%, and the noise is reduced by more than 3dB (A).



标准 Q 风筒
standard Q duct

Q plus 风筒
Q plus duct

【小区供暖低噪音热泵机组首选风机】

Preferred fan in residential heating low noise heat pump unit