WCB-A and WCB-C

Comparison Between Two Airflow Solutions for
Outdoor Indirect-Fired Warm Air Heaters

Key Conclusions:

The core difference between WCB-A and WCB-C is not that both units are installed outdoors, but rather their air supply organization methods.

- WCB-A: Axial fan type, better suited for low resistance, large air volume, and short-distance direct airflow
- WCB-C: Centrifugal fan type, better suited for ducted airflow, multi-point air supply, and projects requiring higher external static pressure

Comparison Dimension:

Comparison Dimension	WCB-A	WCB-C
Main Unit Location	Outdoor	Outdoor
Fan Type	Axial fan	Centrifugal fan
Air Supply Method	Direct blow	Ducted air supply / multi-point air supply
External Static Pressure Capability	Low	High
Typical Air Supply Distance	Shorter	Longer
Typical Applications	Factories, workshops, direct-blow applications	Warehouses, logistics centers, ducted-air projects
System Complexity	Lower	Higher

Comparison Dimension	WCB-A	WCB-C
Main Evaluation Focus	Low resistance, large air volume direct airflow	External static pressure, duct systems, and more complex airflow organization

Quick Selection Guidelines:

Situations Where WCB-A Should Be Prioritized:

- Better suited for low-resistance direct airflow
- No complex ductwork is required
- Greater focus on large air volume and short-distance air supply
- The project' s airflow layout is relatively simple

Situations Where WCB-C Should Be Prioritized:

- Ducted air supply is required
- Higher external static pressure is required
- More complex airflow organization is needed
- Multi-point air supply or long-distance airflow delivery is more important

Conclusion:

WCB-A is more focused on axial direct airflow,while WCB-C is more focused on centrifugal ducted airflow systems.