

SDS Jet Fan with Rotation Direction Forward and Reverse Switchable



Function

It does forcing ventilation and exhaust, which introduce sufficient fresh air into the tunnel and simultaneously expel harmful gases out in order to maintain good air quality.

About Structure

The impeller of the SDS jet fan consists of a hub and blades. The blades are designed with high-efficiency and low-noise wing shapes, and both the hub and blades are made of high-quality high-strength aluminum alloy by die-casting.

The impeller blades and hub are connected by high-strength bolts to ensure the long-term reliable operation of the fan. The casing is made of high-quality thick steel plates welded as a whole, with high strength.

Performance on Forware/Reverse Rotation

Aluminum alloy blades and hub get the perfect structure under optimized metallographic analysis to ensure a wide high efficiency zone and the aerodynamic performance at forward rotation and backward rotation symmetric, which will reduce eddy current and noise level in the running.

Treatment onto Blade

Each blade has been done by heat treatment, X-ray inspection, tensile testing, and approved by metal performant test, dynamic balance verification which ensures reliable quality for safe operation.

About Dual Dynamic Balancing Test

After dual dynamic balancing, hub dynamic balancing, and overall dynamic balancing of the impeller, the dynamic balancing accuracy reaches ISO G2.5 (higher than the Chinese national standard level 5.6). The fan vibration is very small, and the rotation is very stable.

Adjust Blade Angle to Fit Your Working Condition

The blade angle is adjustable and stationary. After stopping the machine, loosen the blade bolt and adjust the blade angle to adapt the flow rate and pressure of the fan to meet different operating conditions.

Switch Forward to Reverse Rotation

We provide optional PLC control cabinet, which can realize a switch between forward and reverse rotation completed within 60 second.

About PLC Control Cabinet

The PLC control cabinet supports Modbus RTU communication protocols or optional to reach BAS for a system control in group.

Its intelligent control module can integrate multi-sensor data and be managed into the Internet of Things system. It can be remotely monitor the fan's operating status in real time.

Particular Range

Air Volume: 7560 ~ 160870m³/h

Static Pressure: 170 ~ 1065Pa

Applications:

Widely used in subways, tunnels, and underground parking square.