

6M Sand Dust Environmental Chamber With Windows Easy To Observe For IP5X IP6X

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong , China
- Brand Name: YueXin
- Certification: IEC60529:2013 , DIN EN 60529-1:2014-09 (VDE 0470-1)
- Model Number: YX-IP56X-6M
- Minimum Order Quantity: 1 pcs
- Price: usd+20000-50000+pcs
- Packaging Details: wooden box package
- Delivery Time: 30-45 days
- Payment Terms: T/T
- Supply Ability: 100+pcs+30



Product Specification

- Product Name: Dustproof Test Chamber
- Test Function: IP5X IP6X
- Protection: Circuit Protection Overload Protection
- Test Medium: Talcum
- Sample Power Socket: 220V 10A
- Outer Material: Steel Plate
- Number Of Dust Outlet: 2
- Controller: 7-inch Touch Screen + PLC
- Material Of Window: Tempered Glass
- Highlight: **6M Sand Dust Environmental Chamber, IP5X IP6X Sand Dust Environmental Chamber**



More Images



Product Description

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Vacuum system:

The user needs to connect the sample to a special pumping pipe, and the gas inside the sample is pumped out by a vacuum pump, and the pumping speed can be adjusted by an air flow meter.

► Need to reserve the air hole position for the sample.

Equipment structure:

The walk-in dust chamber is engineered to handle heavy loads of up to 300kg, ideal for dust testing of larger products. Its structural layout is carefully planned to ensure simplicity in cleaning and maintenance. Moreover, with 3 fans dust distribution mechanism, it substantially shortens the time needed to achieve the specified dust density, thereby boosting the overall efficiency of testing.

The talcum powder is blown to the top of the pipeline by the circulation pump and is sprayed out from the dust outlet above the inner box, and moves in disorder after falling freely.

There is a special outlet at the bottom of the funnel, user can quickly collect dust through there⁵.

To keep the test space as dry as possible, a heater is mounted on the outside of the funnel floor.

A vibrator is mounted on the outside of the funnel, which can work intermittently to keep the dust from sticking to the inner wall as much as possible.

The pumping pressure is displayed by the pressure sensor(Unit:kPa), and can be adjusted by the pressure regulating valve;

The pumping speed can be displayed by the flow sensor(Unit:slpm), and the total pumping volume and current pumping speed can be displayed.

The door is transparent and equipped with a window wiper to allow perfect observation of the test space.

The sample power socket (220V, 10A) is mounted under the side of the chassis, which is convenient for the user to do the live test of the sample⁶.

Controller: 7-inch touch screen + PLC, using Yuexin self-developed software, which can be switched to multiple language⁷.

Casters are mounted to the bottom, and can be adjusted to fix the chassis according to the flatness of the ground.

Protection measures: short circuit protection,blower overload protection.

Part of the detail images:



control panel

vacuum pump

Technical data for IP5X IP6X:

Item	Parameter
Test space	6M
Number of dust outlet	2
Diameter of the dust outlet	50 mm
Talc Specifications	15 μ m
Talc dosage	2 4 kg/m ³
Outer diameter of exhaust pipe	8mm
Pumping speed	Digital display, Unable to adjust
Maximum depression	2kPa(20mbar)
Cycle test times	0-999 times
Test time	0-999 H
Vibration time	0-999 S
Sound pressure level during operation ⁸	≤ 70 dB (measured at 1m in free field)
Power supply	380 V/50 HZ
Sample power ⁹	220 V/10 A
Power	3.5 kw

Working scene:

The dust test chamber is versatile in its applications. It meets the strict criteria for dust-proof performance testing of large products in high-end manufacturing domains like automotive and aerospace, and is also widely adopted in electronics, electrical appliances, and military sectors, furnishing reliable, precise, and scientific safeguards for dust-proof assessments of numerous large precision devices.

Remark:

- 1 The pictures in this document are for customer reference only, and there may be color differences between the actual model and the pictures.
- 2 This document only lists some test standards, which does not mean that other test requirements and standards cannot be conducted. Welcome to communicate and discuss with us.
- 3 One test only at a time. The next project can be only carried out after the current test is completed. In addition, we can provide multi-functional customized test solutions according to user requirements.
- 4 A single device is equipped with an exhaust pipe, and only one sample is vacuumed at a time.
- 5 Please prepare a powder collection box (6-10L) in advance, remove the sealing plate at the bottom of the back, and then collect it.
- 6 Please inform in advance if the voltage(220V) does not match the actual needs so that we can provide customized solutions for you.
- 7 At present, only Chinese and English interfaces are supported; if other languages are introduced, the software can be updated remotely.
- 8 The data is collected in the manufacturer's factory test. It may be different in different environments.
- 9 If the sample is not suitable for sample testing, a connection hole can be customized on the left side of the inner box, and the user can use an external power supply by himself.
- 10 The photos may not match the actual ones, and are for user reference only.

Tags: Dustproof Climatic Chamber , Dustproof Chamber , IP5X IP6X Dust Test Machine



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