



**DEKRA IST Reliability Services Inc.**  
Reliability Testing Laboratory  
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Report Issue Date: MAY 15, 2024  
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Version : A

## TEST REPORT

Company : Getac Technology Corporation  
Address : 5F., Building A, No. 209, Sec. 1, Nangang Rd., Nangang Dist.,  
Taipei 11568, Taiwan (R.O.C.)  
Sample Name : Getac S510  
Model Name : Getac S510  
Date Received : MAY 07, 2024  
Date Tested : MAY 07, 2024 ~ MAY 13, 2024

Signed for and on behalf of  
**DEKRA IST Reliability Services Inc.**

*Injel Chen*

Approver

*Injel Chen*

Reviewer

*Angus. wu*

Engineer



## 1. GENERAL INFORMATION

### 1.1 DESCRIPTION OF UNIT

Manufacturer : Getac Technology Corporation

Sample name : Getac S510

Model name : Getac S510

Test item and sample quantity are shown in below list : (Total of 2 units)

Test item	Sample quantity
Dust test	1 unit
Jetting water test	1 unit

### 1.2 UNIT OPERATING CONDITION

During operating testing, unit power is on and functioning.

## 2. DUST TEST

### 2.1 TEST EQUIPMENT

Equipment	Model	Serial Number	Calibration Date	Test Location <sup>(Note)</sup>
Dust tester	Vötsch VDT 1000A	59566059640010	FEB 15, 2024	No.19, Puding Road

Note : No. 19, Puding Rd., East Dist., Hsinchu City 300, Taiwan

### 2.2 LABORATORY AMBIENCE CONDITION

Temperature : 25 °C ± 10 °C

Relative humidity : 50 % ± 25 %

### 2.3 REFERENCE DOCUMENT

This test method refers to IEC / EN 60529 IP5X (2013) Dust Test Protected.

### 2.4 TEST CONDITION

Unit is operating.

Dust material : Talcum powder (100% dry fine)

Particle size	Amount (%)
< 5 µm (Diameter)	39.88% ± 5
5 to 10 µm (Diameter)	32.19% ± 5
10 to 20 µm (Diameter)	23.13% ± 5
20 to 42 µm (Diameter)	4.8% ± 5
> 42 µm (Diameter)	0%

Amount of talcum powder : 2 kg/m<sup>3</sup> (chamber volume)

Dust density : 2.03 g/cm<sup>3</sup>

Air direction : Vertically to achieve slowest possible downward settlement

Duration of exposure : 8 hours

### 2.5 SUMMARY OF TEST

Before and after testing, the function of unit was normal.

### 3. JETTING WATER TEST

#### 3.1 TEST EQUIPMENT

Equipment	Model	Serial Number	Calibration Date	Test Location <sup>(Note)</sup>
Rain tester	CHTEK CH-2010-D	CH-2010-D180301	FEB 21, 2024	No.19, Puding Road

Note : No. 19, Puding Rd., East Dist., Hsinchu City 300, Taiwan

#### 3.2 LABORATORY AMBIENCE CONDITION

Temperature : 25 °C ± 10 °C

Relative humidity : 50 % ± 25 %

#### 3.3 REFERENCE DOCUMENT

This test method refers to IEC / EN 60529 IPX3 (2013) Jetting Water Test Protected.

### 3.4 TEST CONDITION

Unit is operating.

Radius of oscillating tube : 400 mm

Spray angle :  $\pm 60^\circ$  from vertical

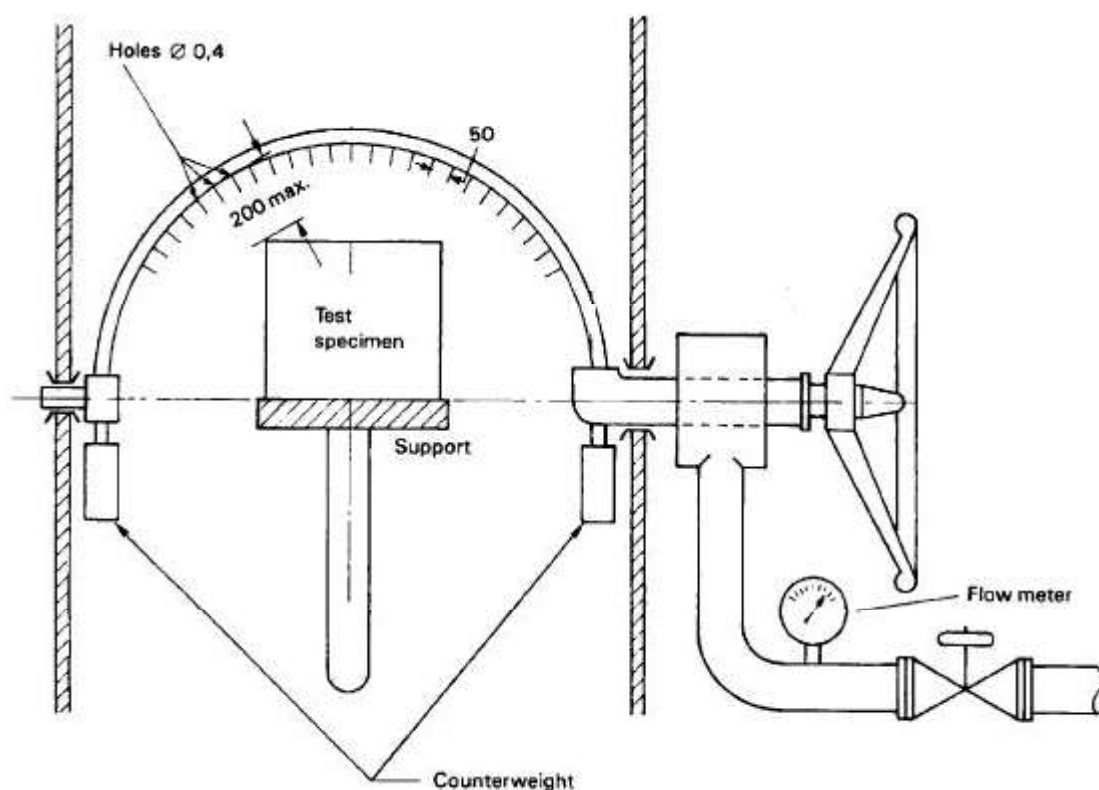
Diameter of nozzle : 0.4 mm

Number of open holes : 16

Water flow rate : 0.07 l/minute per hole (Total : 1.1 l/minute)

Duration of test : Put on 5 minutes, then transfer to horizontal  $90^\circ$  and test for another 5 minutes.  
(Total of 10 minutes)

Test setup :



### 3.5 SUMMARY OF TEST

After testing, visual inspection showed that no water permeated into unit (the inner unit was dry), and function was normal.