

# JETTING WATER AND DUST TEST REPORT

Company : Getac Technology Corporation  
 Address : 5F., Building A, No. 209, Sec. 1, Nangang Rd., Nangang Dist.,  
 Taipei 11568, Taiwan, R.O.C.  
 Model Name : Z710  
 Date Received : AUG 29, 2012  
 Date Tested : AUG 29, 2012 ~ AUG 30, 2012

## TESTING LABORATORY IS ACCREDITED BY:

IEC/IECQ 17025 certificate of independent test laboratory approval

Certificate No. : T1091

ISO 17025 accredited in respect of laboratory is approved by TAF

Certificate No. : L0835-090819

ISO 9001 certificate is approved by TUV CERT certification body of TUV NORD Cert GmbH

## WE HEREBY CERTIFY THAT:

The test(s) shown in the attachment were conducted according to the indicating procedures. We assume full responsibility for the accuracy and completeness of these tests and vouch for the qualifications of all personnel performing them.

	Name	Signature	Date
Test Engineer	Gin Lu	<i>Gin Lu</i>	Sep 03, 2012
Manager	General Lee	<i>General</i>	Sep 03, 2012

## **NOTE :**

1. This report will be invalid if reproduced in part or altered in any way.
2. This report refers only to the specimen(s) submitted to test, and is invalid if used otherwise.
3. This report is ONLY valid with the examination seal and signature of this institute.
4. The tested specimen(s) will only be preserved for thirty days from the date issued, if not collected by the applicant.



## **1. GENERAL INFORMATION**

### **1.1 DESCRIPTION OF UNIT**

Manufacturer : Getac Technology Corporation

Model name : Z710

Sample quantity : 1 unit

### **1.2 UNIT OPERATING CONDITION**

None

## 2. JETTING WATER TEST

### 2.1 TEST EQUIPMENT



- Internal diameter of the nozzle : 6.33mm
- Water flow meter
- Water pressure meter
- IEC/EN 60529 IPX5 standard

### 2.2 LABORATORY AMBIENCE CONDITION

Temperature : 25°C

Relative humidity : 33.5% (RH)

### 2.3 REFERENCE DOCUMENT

The test is based on IEC/EN 60529 IPX5 Jetting water Test Protected.

### 2.4 TEST CONDITION

Unit is non-operating.

Water flow : 12.5 l/minute

Water pressure : 0.3 bar

Distance from nozzle to unit : 2.5 meter

Duration of test : 6 minutes (1 minute for each face)

Orientation : Front, rear, top, bottom, left and right faces

### 2.5 SUMMARY OF TEST

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

### 3. DUST TEST

#### 3.1 TEST EQUIPMENT

Model	Serial Number	Calibration Date
Vötsch- VDT 1000A	59566059640010	DEC 15, 2011

#### 3.2 LABORATORY AMBIENCE CONDITION

Temperature : 23±3°C

Relative humidity : 55%±3% (RH)

#### 3.3 REFERENCE DOCUMENT

The test is based on IEC/EN 60529 IP6X Dust Test Protected.

#### 3.4 TEST CONDITION

Unit is non-operating.

Dust material : Talcum powder (100% dry fine)

Particle size	Amount (%)
< 5 µm (Diameter)	42.31%±5
5~10 µm (Diameter)	35.85%±5
10~20 µm (Diameter)	21.15%±5
20~40 µm (Diameter)	0.69%±5
> 40 µm (Diameter)	0%

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

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

Depression level : 10 mbar

Air direction : Vertically to achieve slowest possible downward settlement

Duration of exposure : 8 hours

#### 3.5 SUMMARY OF TEST

After testing, visual inspection showed no dust particle permeated into unit and function was normal.