

Vertiv™ VR Test Report



Shock Packaging Test Report - ISTA 3B

Vertiv™ VR Shock Packaging

This document includes the results from the International Safe Transit Association (ISTA) Test Procedure 3B for the Vertiv VR family of IT racks. The procedure followed in this test is a modified version of the ISTA 3B test, which was conducted to better represent the shipment of an IT rack.

ISTA 3B Test Procedure

ISTA 3B is a general simulation test for packaged products shipped through a motor carrier (truck) delivery system, where different types of packaged products, often from different shippers and intended for different ultimate destinations, are mixed in the same load. This type of shipment is called LTL (Less-Than-Truckload).

Test Objective

Evaluate possible damage that may occur by subjecting to testing protocol ISTA 3B that simulates the conditions to which products are exposed during transportation and distribution.

Tests to be Performed

- Tip Over
- Rotational Drop
- Vibration Test

Defects in the product that cause rejection:

- Bends in the corners and edges
- Material wear
- Bump marks
- Product destroyed
- Moisture and/or perforations

Vertiv VR Models in Test

VR3XXXSP, VR3XXXSP-YYY

Final Results - Vertiv VR Shock Packaging

During the internal inspection of the pallet, no external or internal damage was found to the product resulting in no damage.

Test performed according ISTA 3B (modified)

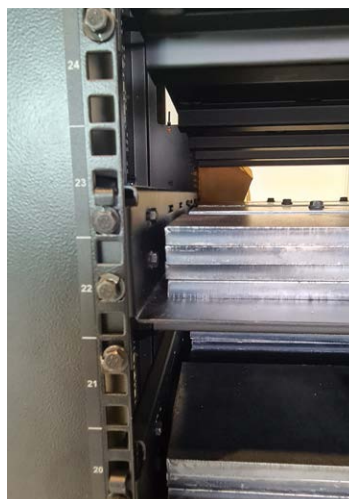
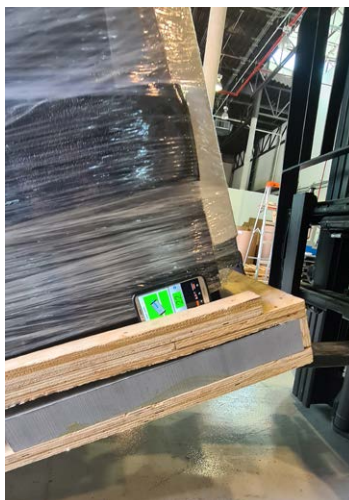
Description	Pass	Fail	Comments
Tip Over	X		No damage was observed during the test.
Rotational drop	X		No damage was observed during the test.
Vibration	X		No damage was observed during the test.

Product condition after testing: No damage or loose parts were observed the product was intact from defects.

Package condition after testing: The packaging and its components fulfill their function of protecting the product to 100%, it is recommended to use it in its distribution and transportation.



Appendix



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