

Flying Carpet

The Flying Carpet is the vertically moving second floor, allowing easier access and safer loading while maximizing storage space for large or heavy items. The Flying Carpet weighs approximately 1,500 pounds, so users should be cautious to ensure safe operation. The flying carpet should always be transported in the “transportation” position, marked on the wall of the trailer by the controls. The arrow on the carpet will align with the arrow on the wall. Additionally, there are specific locations marked along the e-track on the wall that should be secured with a strap to prevent the second floor from bouncing during transport.

Before lowering the Flying Carpet, be sure to take off each of the 4 straps, located at each corner of the floor, and ensure the first floor below the Flying Carpet is clear. To lower the carpet, grab the pendant, making sure to orient it with the corded end being the “up” arrow. Begin by first pressing the up button until the arrow on the Flying Carpet aligns with the red arrow that says “raise to here” on the wall. You will hear the power unit engage. This will allow you to turn the handle to release the locks on the floor. While gently holding the handle in the unlocked position, you can then press the down arrow. Continue holding the safety handle while the floor is moving down. Once you pass the “perch height” mark on the wall, you can release the handle, as it has passed the lowest safety lock position. Continue lowering until it reaches the end of travel on the floor. Release the swing latch on the approach plate, and rotate it down to allow for loading equipment.

To raise the flying carpet, first raise and latch the approach plate in place. Press and hold the “up” button on the pendant until the Flying Carpet arrow aligns with the “raise to here” arrow on the wall. While the carpet raises, ensure that your equipment remains secure. The safety handle will make noise as the floor raises and the spring loaded catches engage on the way up. Once the arrows align, press the down arrow to allow the floor to settle into the locks. Once the “transport here” arrow and the Flying Carpet arrows are aligned, strap each of the 4 corner locations with a strap. D-rings have been placed on the floor of the Flying Carpet as attachment points to secure equipment for transport. We recommend using ratchet straps for securing equipment to d-rings.

Maintenance:

- Before and after each season, check that all visible bolts are tight.
- Before and after every use of the trailer, check the hydraulic lines and tubing to ensure there is no damage or cracking.
 - Tighten line and tubing fittings as necessary.
- Annually check cables for fraying or kinks, and ensure they are correctly routed on the pulleys.
- Annually check the hydraulic oil level in the reservoir with the Flying Carpet in the down position.
- Periodically check the pulleys and bearings for cracks or wear.
- Periodically check and clean the support columns for debris and dirt, and lubricate as needed.