



NUVL UVL Series™ Features



The Braun UVL, or “Under Vehicle Lift,” has emerged as the premier commercial wheelchair lift series for those seeking ADA compliance along with maximum ambulatory seating. Offered as an alternative to platform-style lifts, the UVL retracts into a weather-tight enclosure and remains out of your way until needed.

The lift may be installed in your existing step configuration or in dedicated door applications. With a number of different models capable of several floor-to-ground heights, there is a UVL designed to fit your needs.

As you use this guide, keep in mind that the dedicated application of the UVL makes it different from other Braun lift series, and the selection process depends on many factors. Our sales force and engineers stand ready to work closely with you in the lift selection process.

Advantages

- The lift is mounted out of sight and out of the way providing more flexibility in floorplan design.
- Custom inboard roll stops/bridge plates are incorporated to meet a variety of door, stepwell and operational requirements.

Safety Features

- Lift will not raise without the Automatic Roll Stop in the up position.
- Lift will not stow with a wheelchair user on the platform.
- Manual backup system incorporated for emergency situations.

Braun-Built

- Lift housing is made of high strength corrosion resistant aluminum
- Automatic outer roll stop
- Slip-resistant platform surface
- Hand-held four button pendant control
- Lift is fully enclosed and protected from the weather
- Bearings are sealed and self-lubricating
- All functions operate from a digital logic board located inside the power pack
- Digital diagnostic system incorporated for easy trouble shooting
- Remotely mounted electrical hydraulic power pack
- Hydraulic cylinder(s) with power up / gravity down operation.

Selecting a UVL for Your Application

Braun has designed the UVL series to be custom-fitted to a variety of transit applications. Because lift selection will depend on a number of factors, we recommend that you contact your Area Sales Manager before proceeding. Through a cooperative effort with the Braun sales force and engineering department, we will be able to determine which model will suite your application. Below are some photographs of different installations. These examples and the dimensional information in this guide are designed to be used as a “starting point” for discussion with your Area Sales Manager. Braun will work with you to meet your needs in making your vehicles ADA and NHTSA compliant.



NUVL UVL Series™ Models

NUVL604XA

NHTSA Compliant Usable Platform: 30" x 48"

NUVL604XB

NHTSA Compliant Usable Platform: 30" x 48"

NUVL855SM, NUVL855ESM

NHTSA Compliant Usable Platform: 30" x 48"

NUVL855SMXB

NHTSA Compliant Usable Platform: 30" x 48"

NUVL855R

NHTSA Compliant Usable Platform: 30" x 53"

General Function: Electrohydraulic, power up/gravity down operation, power in/out

Control: hand-held control box

Hydraulic: Pressure Max. 3,250 psi, Fluid is Hydraulic/HFA Aviation, Oil reservoir is .25 gal

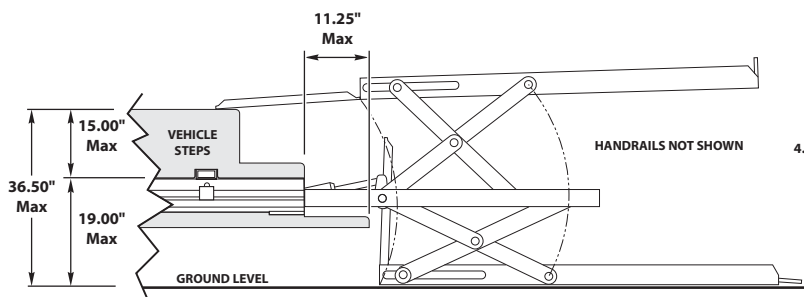
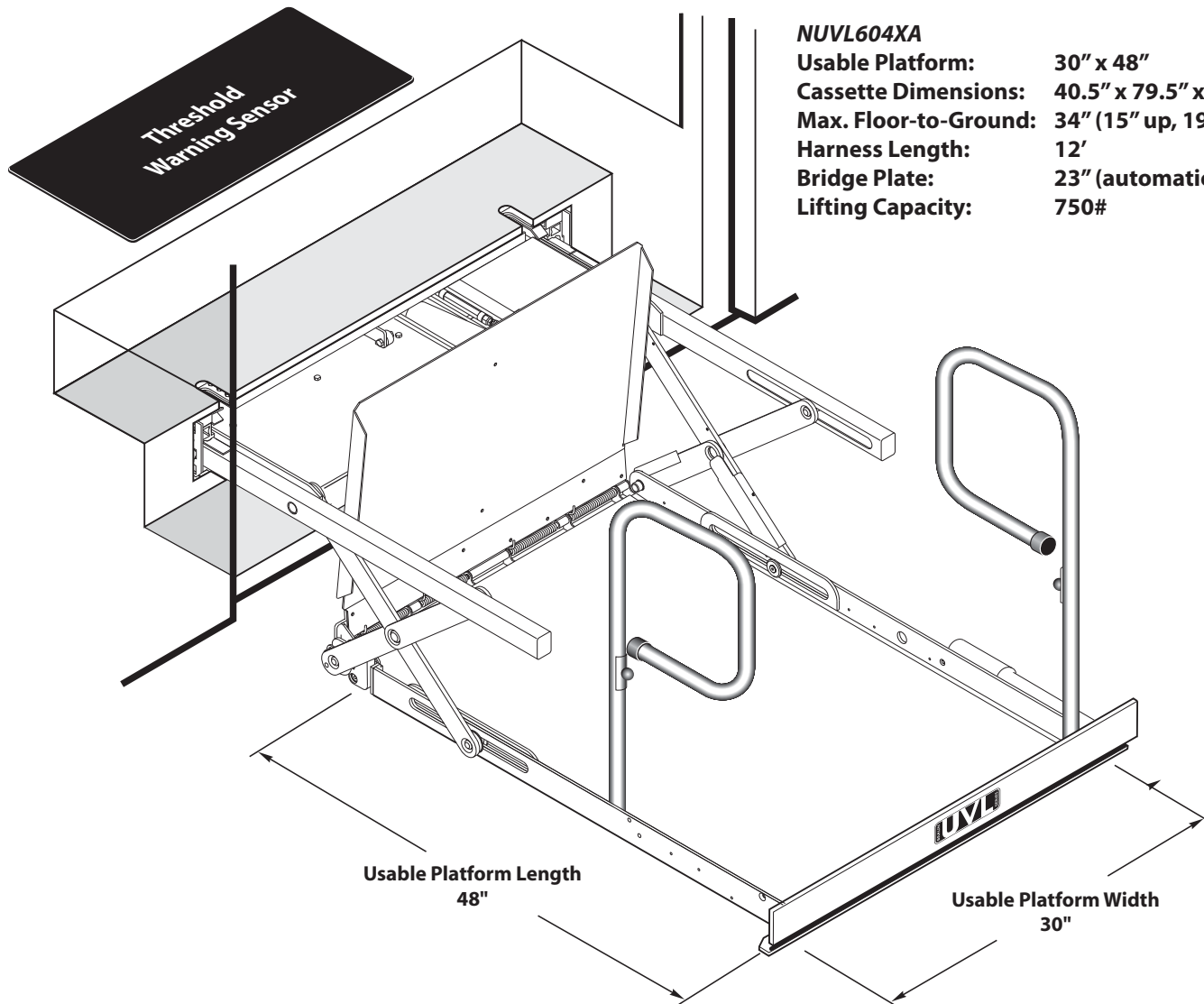
Construction: Aluminum Housing with Steel inner structure with powder coat finish

Operating Temperature: 19°F to 149°F **Power Supply:** 12VDC **Current Consumption:** Max. 120A (12V)

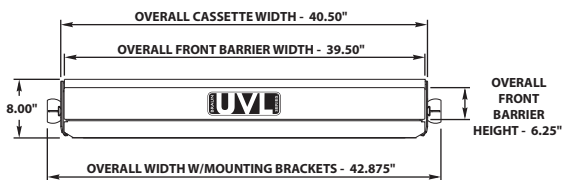
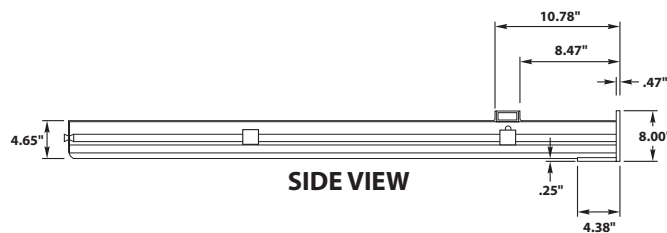
NUVL604XA UVL Series™

NUVL604XA

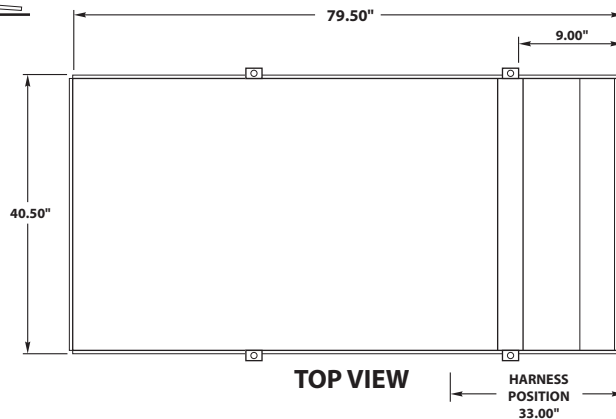
- Usable Platform: 30" x 48"
- Cassette Dimensions: 40.5" x 79.5" x 4.65"
- Max. Floor-to-Ground: 34" (15" up, 19" down)
- Harness Length: 12'
- Bridge Plate: 23" (automatic)
- Lifting Capacity: 750#



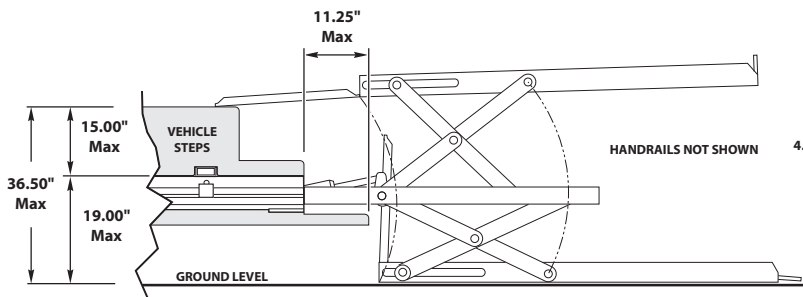
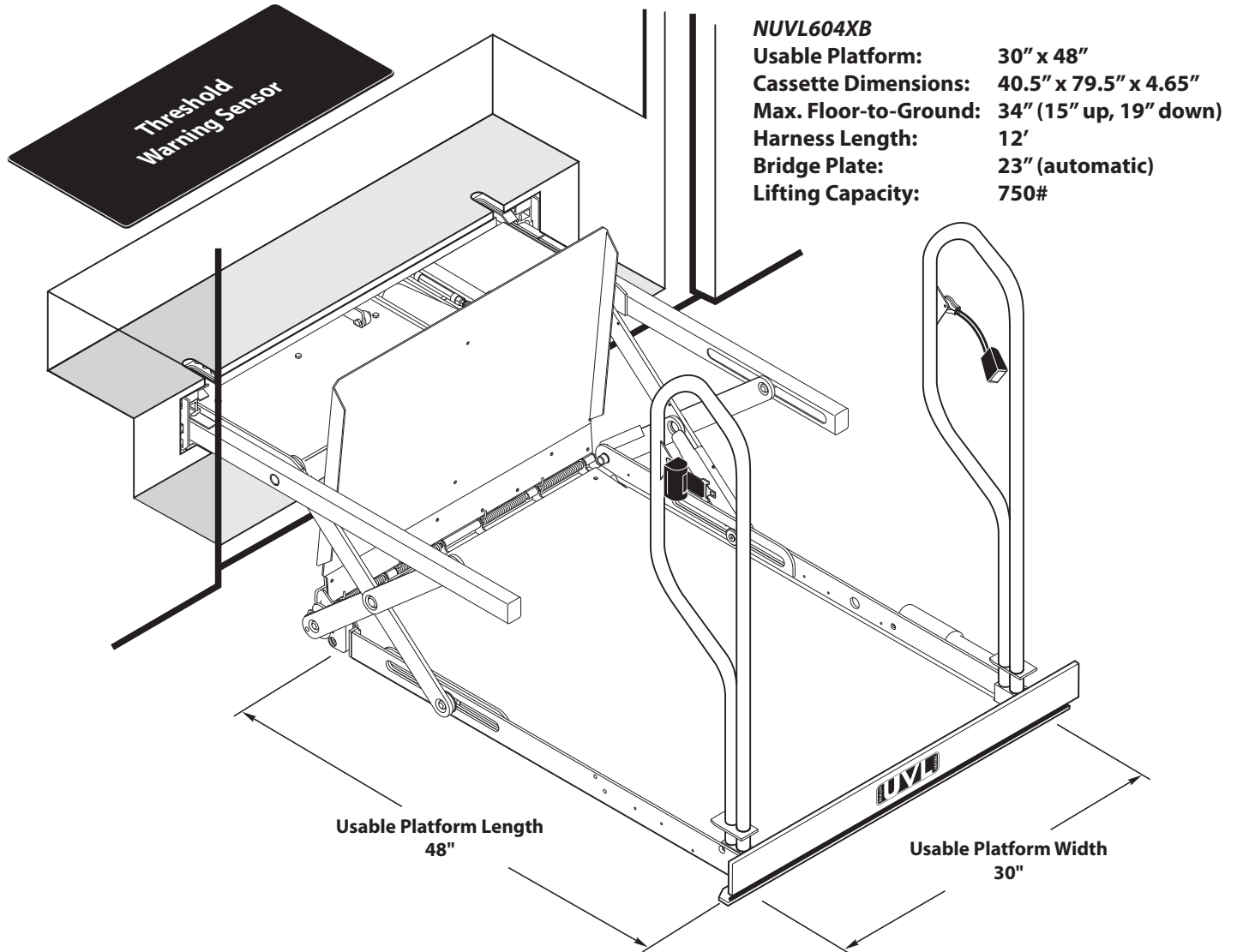
SIDE VIEW - TRAVEL LIMITS



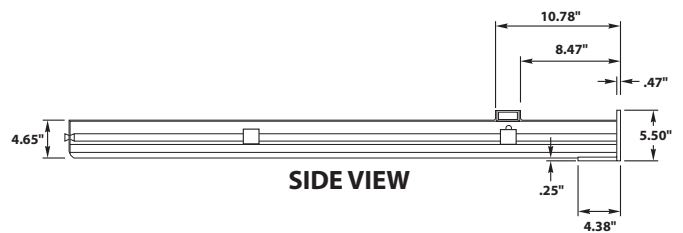
FRONT VIEW



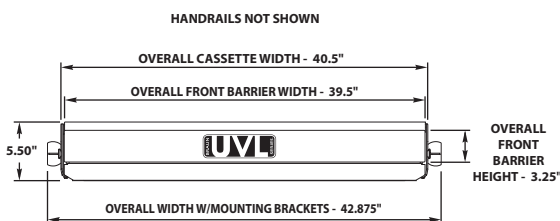
NUVL604XB UVL Series™



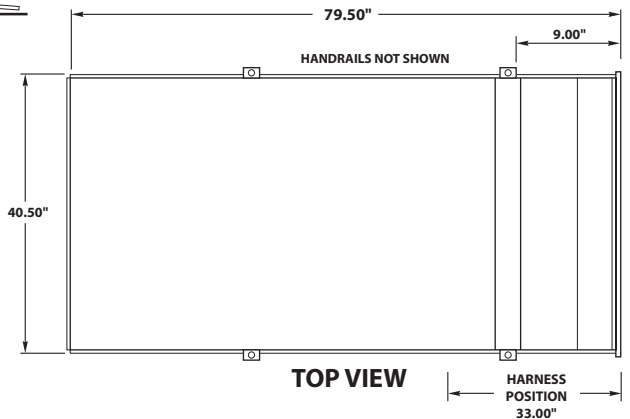
SIDE VIEW - TRAVEL LIMITS



SIDE VIEW

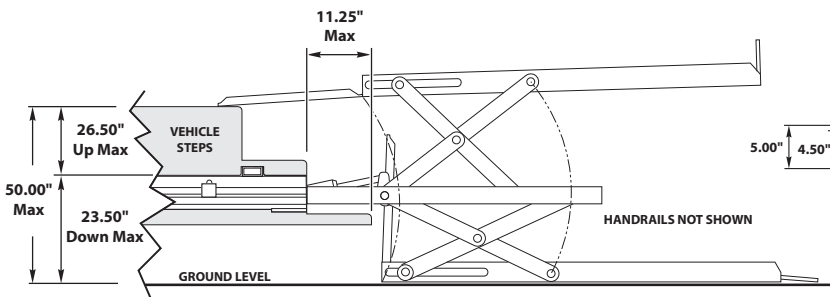
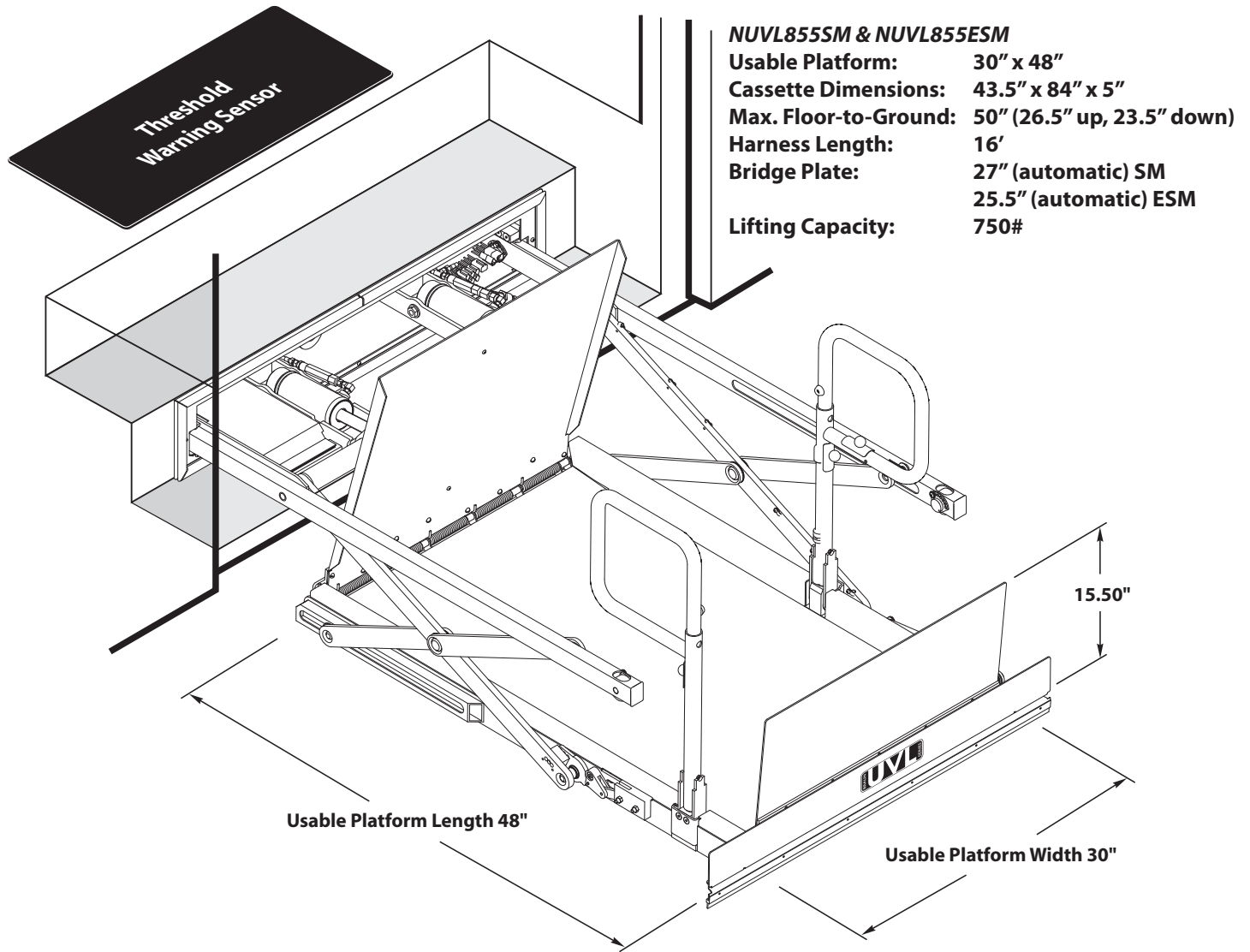


FRONT VIEW

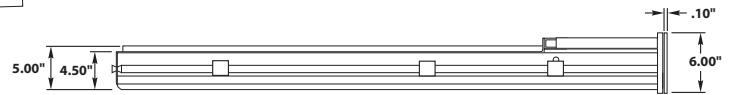


TOP VIEW

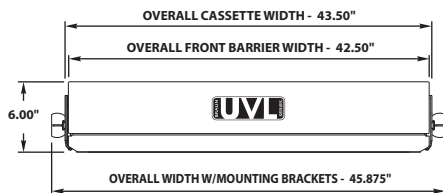
NUVL855SM & NUVL855ESM *UVL Series™*



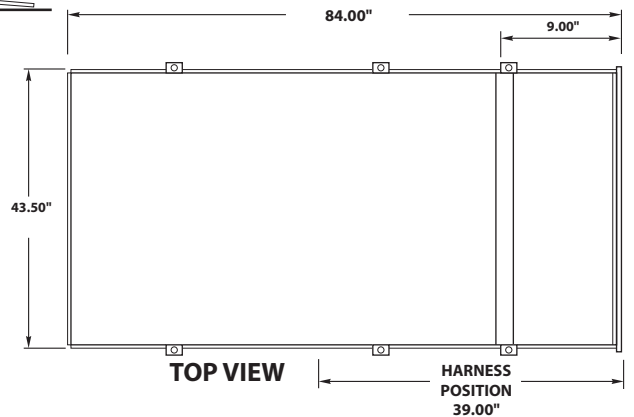
SIDE VIEW - TRAVEL LIMITS



SIDE VIEW

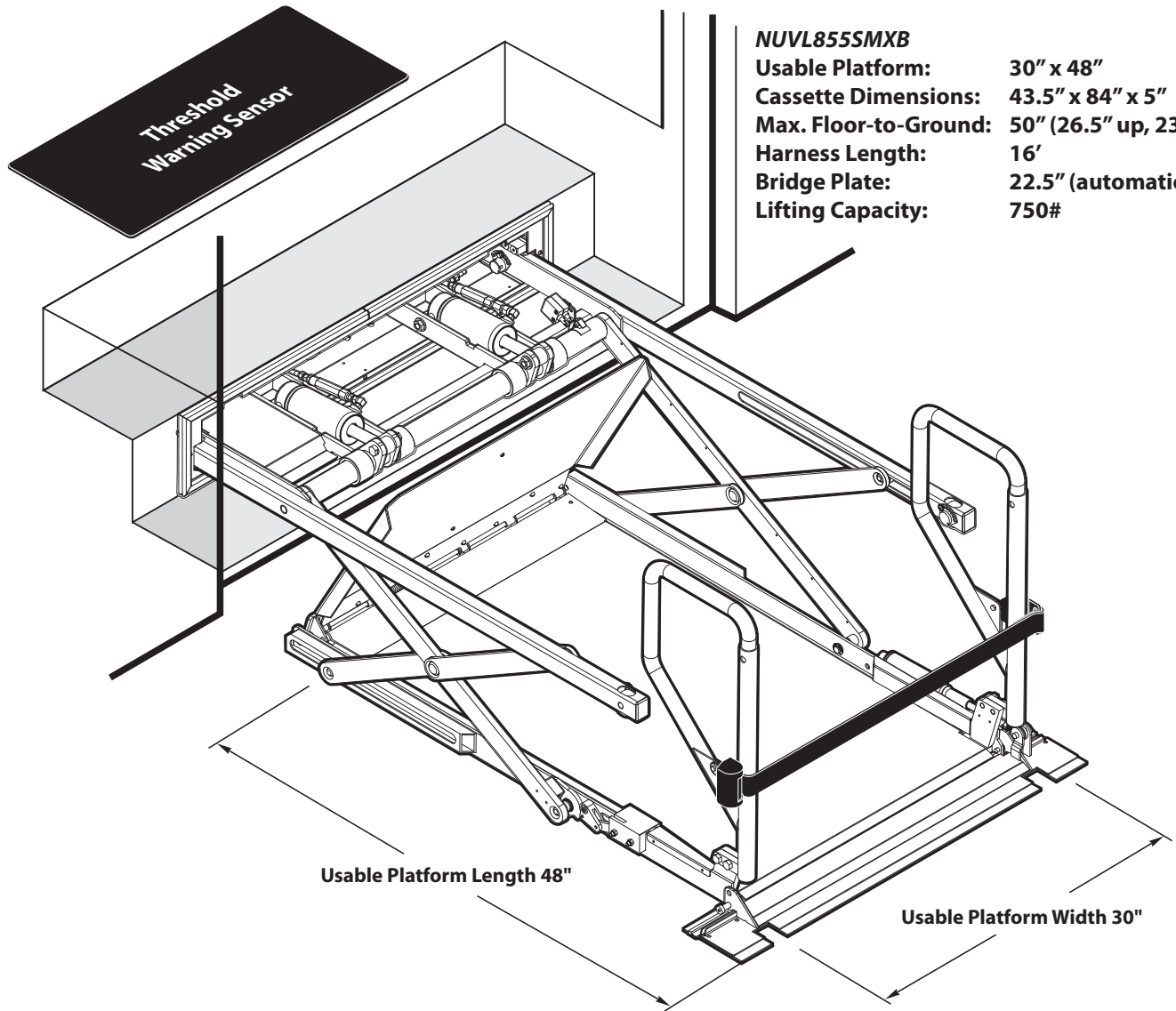


FRONT VIEW



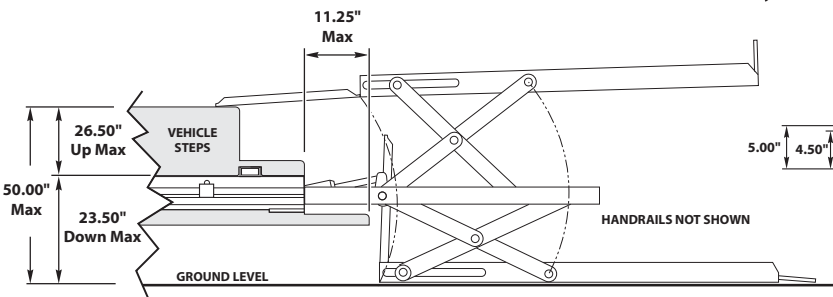
TOP VIEW

NUVL855SMXB *UVL Series*™



Usable Platform Length 48"

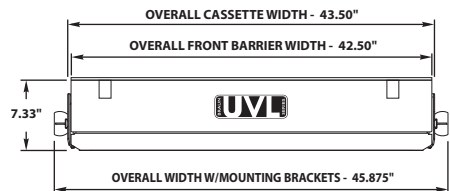
Usable Platform Width 30"



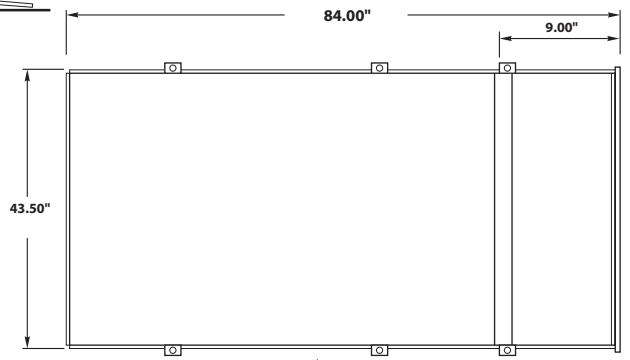
SIDE VIEW - TRAVEL LIMITS



SIDE VIEW



FRONT VIEW



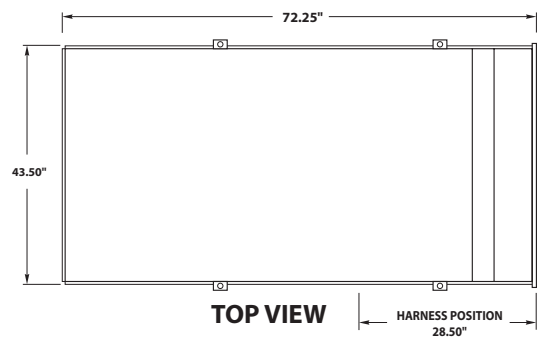
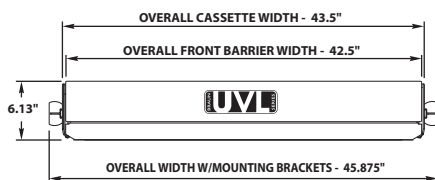
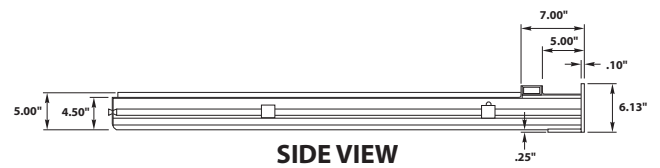
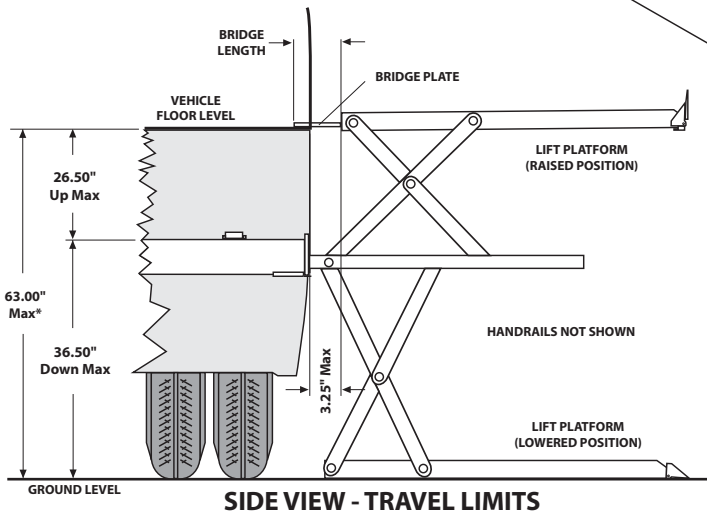
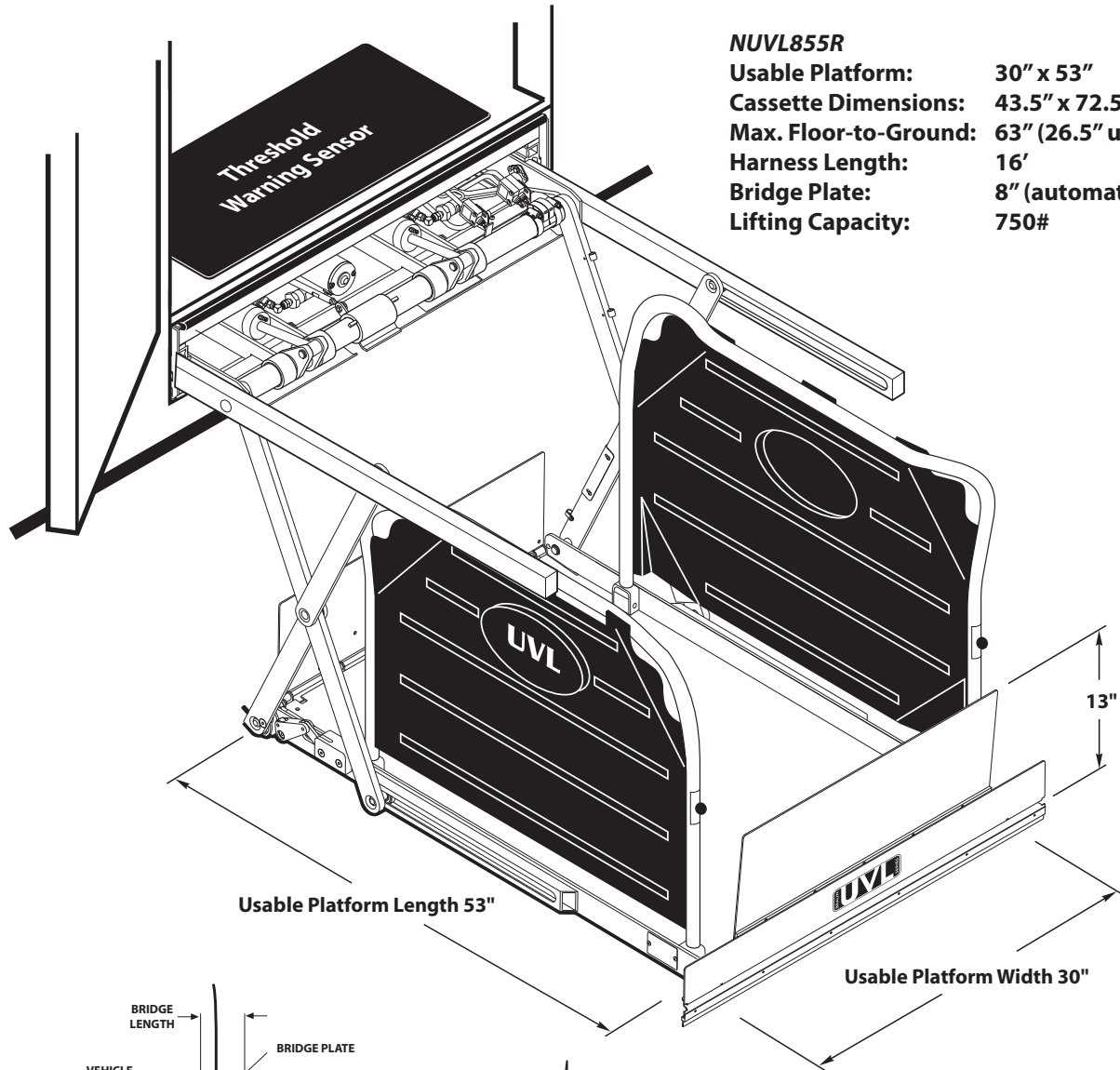
TOP VIEW

HARNES POSITION
39.00"

NUVL855R UVL Series™

NUVL855R

- Usable Platform: 30" x 53"
- Cassette Dimensions: 43.5" x 72.5" x 5"
- Max. Floor-to-Ground: 63" (26.5" up, 36.5" down)
- Harness Length: 16'
- Bridge Plate: 8" (automatic)
- Lifting Capacity: 750#



FRONT VIEW

TOP VIEW

HARNES POSITION
28.50"

NUVL UVL Series™ Accessories



- ◀ **32426A** **Hand-Held Control - Replacement**

- 30936K** **Overhead Light Kit - Replacement**

- 30947A** **Threshold Warning Mat - Replacement**

- 16004-1200** **12' Hose Extension**

- 73733AS** **Mounting Hardware - All NUVL Models**

NUVL UVL Series™ Specifications

COMMERCIAL WHEELCHAIR LIFT SPECIFICATIONS - IN COMPLIANCE WITH United States Department of Transportation Rules and Regulations 49CFR, Part 38. FROM THE AMERICANS WITH DISABILITIES ACT OF 1990 and NHTSA Rule 403 (2004)

"Provided to make your spec writing easier."

The following specifications are applicable to all NUVL models

The lift is electro-hydraulically operated with a remotely mounted pump and a single action cylinder(s). The reservoir has a one quart capacity and the hydraulic system has a maximum pressure of 3250 P.S.I. The hydraulic system shall operate with H5606 aircraft-type hydraulic fluid. The lift is constructed of an aluminum housing, steel carriage, with a slip-resistant platform using a chain drive for deploying and stowing of the lift.

The lift shall have an automatic front barrier (ARS) which releases when the lift platform is on the ground and is up and locked before the platform can be raised.

The lift shall be totally self-contained and connected to the vehicle's electrical system. The lift shall be load-tested and rated at a static load capacity of 2400 lbs. The lift shall be capable of operating in a temperature range of -10 degrees to 120 degrees Fahrenheit. The control for raising and lowering the lift shall be a four-button hand control attached to a cord. The lift functions shall be clearly marked on the hand control.

The electrical operation is a digital logic design that allows the lift to know its location at all times. The platform senses weight to prevent stowing of the lift while weight is on the platform. The platform will not raise unless the outboard barrier is fully up. A digital diagnostic system is built into the lift's electrical system.

The lift shall have sealed bearings used in the carriage to allow the lift to deploy smoothly and adjust for wear. The bearings shall ensure extended cycle life and reduce maintenance and lubrication. A manual backup system shall be provided with each lift in the event of a vehicle electrical failure.

The hand control for lift operation shall be of a one-hand operation design made of durable plastic. The hand control will provide user with illuminated functions. The hand control cable shall be coiled with quick-change connections for ease of maintenance or field change.

The lift shall comply with the ADA (Americans with Disabilities Act) and FMVSS 403 requirements. The lift shall have an operator's manual included.

The following specifications are model-specific

NUVL604X: The NUVL604X Series lift is a power up/gravity down model, under-the-vehicle lift, which has an extended horizontal platform travel so that the lift can be installed in the stepwell of a vehicle and clear the step tread before deployment to the ground or vehicle floor level. The lift shall have an automatic rear slip-resistant barrier, which also serves as a bridge plate to the vehicle floor. The platform usable width is 30" with handrails and the minimum platform usable length is 48" with an automatic outboard barrier. Overall measurements are 41" wide, 79.5" long and 4-3/4" thick. Minimum door opening is 39-1/4" wide. Maximum floor height is 34" (depends on mounting location). The weight of the lift is approximately 435 lbs. and the lifting capacity is 750 lbs.

NUVL855SM Series: The NUVL855SM Series lift is a power up/gravity down model, under-the-vehicle lift, which has an extended horizontal platform travel so that the lift can be installed in the stepwell of a vehicle and clear the step tread before deployment to the ground or vehicle floor level. The lift shall have an automatic rear slip-resistant barrier, which also serves as a bridge plate to the vehicle floor. The platform usable width is 30" with handrails and the minimum platform usable length is 48" with an automatic outboard barrier. Overall measurements are 43-1/2" wide, 84" long and 5-1/4" thick. Minimum door opening is 42-1/4" wide. Maximum floor to ground travel is 50" (26.5" up/23.5" down to 63" (26.5" up/36.5" down) – depends on model and mounting location). The weight of the lift is approximately 790 lbs. and the lifting capacity is 750 lbs.

Braun NUVL Series to include but not limited to the following model numbers:

- NUVL604XA
- NUVL604XB
- NUVL855SM
- NUVL855ESM
- NUVL855SMXB
- NUVL855R



www.braunlift.com

ISO 9001:2000

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