The BraunAbility 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.

As you use this guide, keep in mind that the dedicated application of the UVL makes it different from other BraunAbility 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 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.

**BraunAbility-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.

### NUVL Series™ Features

<table>
<thead>
<tr>
<th>General Function</th>
<th>Electrohydraulic, power up/gravity down operation, power in/out</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>Hand-held control box</td>
</tr>
<tr>
<td>Hydraulic</td>
<td>Pressure Max. 3,250 psi, Fluid is Hydraulic/HFA Aviation, Oil reservoir is .25 gal</td>
</tr>
<tr>
<td>Construction</td>
<td>Aluminum Housing with Steel inner structure with powder coat finish</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>19°F to 149°F</td>
</tr>
<tr>
<td>Power Supply</td>
<td>12VDC</td>
</tr>
<tr>
<td>Current Consumption</td>
<td>Max. 120A (12V)</td>
</tr>
</tbody>
</table>
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#

**SIDE VIEW**

**FRONT VIEW**

**OVERALL CASSETTE WIDTH - 43.5"**
**OVERALL FRONTAL BARRIER WIDTH - 42.5"**
**OVERALL WIDTH W/MOUNTING BRACKETS - 45.875"**

**SIDE VIEW - TRAVEL LIMITS**

**GND LEVEL**
**VEHICLE FLOOR LEVEL**
**BRIDGE PLATE**
**.bridge length**
**LIFT PLATFORM (RAISED POSITION)**
**LIFT PLATFORM (LOWERED POSITION)**
**HANDRAILS NOT SHOWN**

**TOP VIEW**

**OVERALL WIDTH - 72.25"**
**HARNESS POSITION - 28.50"**
NUVL Series™ Accessories

- 32426A  Hand-Held Control - Replacement
- 73733AS  Mounting Hardware
- 30936K  Overhead Light Kit - Replacement
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.

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

• NUVL855R