

1. Product Name

Bruno VPL-3300B Series Vertical Platform Lift

2. Manufacturer

Bruno Independent Living Aids
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Oconomowoc, WI 53066
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3. Product Description

A vertical platform lift (VPL), also known as a wheelchair lift, provides people who use mobility devices comfortable access to entrances or exits where stairs may be a barrier, indoors or outdoors.

Materials and Composition

Main Frame: welded steel tubular grade construction (structural steel, ASME A500 Grades B and C with formed sheet steel guarding.

Carriage: welded carriage with 2.25 inches (57 mm) diameter front and back sealed dual ball bearing wheels and adjustable low-friction plastic side stabilizer guide pads.

Platform: solid enclosure, 42-inch side walls, consisting of 1 inch (25.4 mm) tubular framing and sheet metal siding.

Under Carriage Safety: formed steel safety pan; safety sensors in platform bottom will stop the unit if an obstruction sensed.

Sheet Metal: cold rolled commercial steel, ASTM A1008 Type B.

Features:

- Bottom platform safety panel
- Top and bottom limit switches
- 750 pound (340kg) lifting capacity
- Access up to 53 inches
- Upper and lower final limit safety switches
- 36 x 54 inches (914 x 1372 mm) non-skid platform
- 42 inch (1067) high, solid side platform walls
- Weather-protected controls; weather resistant paint
- Two-year warranty on major components; one-year on parts
- Reliable, quiet ACME screw-driven DC motor with full-time battery operation
- Keyed, constant pressure controls on platform; emergency stop switch and audio/visual alarm
- Power system: ½ hp DC motor (includes 17AH batteries)



Benefits

- ISO 9001 certified
- Interior or exterior installations
- Weather-proof controls
- E-coated/powder-coated parts
- Non-skid platform and ramp surfaces
- Quiet ACME screw-driven DC motor with continuous charge battery operation for access even in a power outage
- Multiple sizes, configurations and options available to provide a wide variety of access solutions
- Assembled and tested prior to shipping to ensure fit and function
- Meets Canadian guidelines CSA B355
- Effective solution for American with Disabilities Act (ADA) compliance in churches, schools or businesses
- Designed in accordance with ASME A18.1, section 2, and can be used in many applications for ANSI A117.1 National Accessibility guidelines
- Made in America



Table 1 - VPL 3300B Series Information

	VPL-3353B	Platform Configurations
Unenclosed	Yes	Straight through and 90°/adjacent
Weight (w/batteries)	897lbs	
Total Weight Capacity	Max 750lbs capacity	
No. of Landings/Stops	2	
Emergency Stop	Yes	
Speed	10ft/min	
Platform Sizes (inches)	36x54 (standard) 36x48 36x60 42x60	
Min Lift Height (floor to floor)	11"	
Max Lift Height (floor to floor)	53"	
Power Info Primary Drive Final Drive Input power Relay Motor Controller Batteries	24V DC 1/2 hp motor 1" dia. ACME lead screw 120 VAC, 60HZ,3A max 35A breaker 12V DC; 17AH (qty. 2)	
Braking	Precision landing control	

Types

VPL-3353B Unenclosed Vertical Platform Lift: space-saving solution for ADA compliance; provides access to short distances. Maximum 53 inches (1346 mm) floor-to-floor height and 11 inches (279) minimum height.

Sizes

See Table 1 for platform sizes.

Options

- Power-assisted door/gate operator
- Platform gate
- Multiple platform sizes and configurations
- Rocker switch or paddle landing controls
- Rocker switch or paddle controls on platform
- 34AH battery pack upgrade
- Top landing gate includes call/send controls with key and mechanical or electrical interlock
- Cold weather package, tested to improve performance; recommended if operating temperature is below 20° F (-7 C)



4. Technical Data

Applicable Standards

American Society of Mechanical Engineers (ASME)

- ASME A.17.1 Safety Code for Elevators and Escalators
- ASME A17.5 Elevator and Escalator Equipment
- ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts
- ASME A500 Grades B and C

ASTM International

- ASTM A1008 Standard Specifications for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength, Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened and Bake Hardenable

Canadian Standards Association (CSA)

- CSA C22.1 National Elevator Code
- CSA B44.1 Safety Code for Elevators and Escalators
- CSA B355 Platform lifts and stair lifts for barrier-free access

ETL Listed Mark -Intertek

- C-US Listed Control Number: 4004689

International Code Council (ICC)

- ICC/ANSI A117.1 Accessible and Usable Buildings and Facilities

International Organization for Standardization (ISO)

- ISO 9001 Certified

National Fire Protection Association (NFPA)

- NFPA 70 National Electric Code

5. Installation

Please consult with Bruno Independent Living Aids, Inc. for complete installation information.

6. Availability and Cost

Please consult with Bruno Independent Living Aids, Inc. for availability and pricing information.

7. Warranty

Bruno Independent Living Aids, Inc. provides a two-year warranty on major components; one year on parts.

8. Maintenance

Every 12 Months: (more often if unit is used under rigorous conditions). This is a partial list, reference ILS-01444 (Maintenance control plan for ventricle platform lift) for a complete list.

1. Check the suspension/drive system
 - Belts, including belt tension
 - Belt pulleys and shafts, including keys
 - Motor
 - ACME screw and drive nuts
 - ACME screw lubrication (see Note 1)
 - Pads and rollers
 - Bearing (see Note 1)
 - Battery condition and capacity
2. Verify the platform stops within 1/2 in (13 mm) of the landing
3. Inspect the platform controls
4. Inspect the call/send buttons
5. Inspect the wiring and connectors (see Note 2)
6. Verify general cleanliness of the unit

Note 1: Bruno uses a special grease for better performance over a wider temperature range, especially in colder environments. Please use Bruno P/N LUB-00114

Note 2: To help protect connector pins from moisture, apply die-electric grease to connectors exposed to the elements, such as snow and rain.

Periodic Checks:

Note: If the VPL is used regularly, steps 1 and 2 are performed with usage.

1. Units with electric door interlock: verify the platform does not move when any gate is not closed and locked.
2. Units with GAL door interlock: verify that the platform does not move more than 2 inches (51 mm) in relation to the landing.
3. Verify that the safety pans (under the platform) are working properly.

Note: Do not work under the platform when testing.

9. Additional Technical Service

Bruno Independent Living Aids, Inc., provides technical assistance at 800-848-3056.

10. More Information

Bruno will supply any needed information upon request.