

Bruno Independent Living Aids, Inc.



1. Product Name

- Bruno® VPL-3300B Series Vertical Platform Lifts

2. Manufacturer

Bruno Independent Living Aids, Inc.
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3. Product Description

Basic Use

A Vertical Platform Lift (VPL), also known as a wheelchair lift, provides individuals in scooters, wheelchairs or power chairs easy and comfortable access to entrances or exits where stairs may be a barrier; indoors or outdoors.

Materials and Composition

Main Frame: welded steel tubular guide 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 obstruction sensed.

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

Features

- Bottom platform safety panel
- Top and bottom limit switches
- 750 pound (340 kg) lifting capacity
- Upper and lower final limit safety switches
- Weather-protected controls; weather-resistant paint
- 36 × 54 inches (914 × 1372 mm) non-skid platform
- 42 inches (1067 mm) high, solid, side platform walls
- Two year warranty on major components; one year on parts
- Reliable, quiet ACME screw-driven DC motor with full-time battery operation



Enclosure Vertical Platform Lift with Clear Plexiglas

- Keyed, constant pressure controls on platform; emergency stop switch and audio/visual alarm
- Power system: models VPL-3353B, VPL-3375B: ½ hp DC motor (includes 17AH batteries); models VPL-3310B, VPL-3312B, VPL-3314B: 1 hp DC motor (includes 34AH batteries)

Benefits

- ISO 9001 certified
- Suitable for indoors or out
- Controls are weather-protected
- Parts are e-coated/powder-coated
- For churches, schools or businesses
- Wheelchair lifts are made in America
- Non-skid platform and ramp surfaces
- Meets Canadian guidelines CSA B355
- Effective solution for Americans 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
- Quiet ACME screw-driven DC motor with continuous charge battery operation for access even during power outages
- Several size options, additional features and configurations available to provide a wide variety of accessibility solutions
- All Bruno VPLs are assembled and tested to ensure fit and function prior to shipping

	VPL-3353B	VPL-3375B	VPL-3310B	VPL-3312B	VPL-3314B	Platform Configurations
UnEnclosed	Yes	Yes (only to 60")	No	No	No	Straight through 90°/adjacent
Enclosure	Yes	Yes	Yes	Yes	Yes	Straight through 90°/adjacent same side
Hoistway/shaftway	Yes	Yes	Yes	Yes	Yes	Straight through 90°/adjacent same side
3-Gate	Yes	No	No	No	No	Straight through
Weight (w/batteries)	897 lbs	970 lbs	1210 lbs	1304 lbs	1400 lbs	—
Total weight capacity	Maximum 750 lbs capacity for all models					
No. of landings/stops	2	2	2 (3 hoistway/shaftway only)	2 (3 hoistway/shaftway only)	2 (3 hoistway/shaftway only)	—
Emergency stop	Yes	Yes	Yes	Yes	Yes	—
Speed	10 ft/min	10 ft/min	10 ft/min	10 ft/min	10 ft/min	—
Platform sizes (in inches)	36 × 54 (std.) 36 × 48 36 × 60 42 × 60*	36 × 54 (std.) 36 × 48 36 × 60 42 × 60	36 × 54 (std.) 36 × 48 36 × 60 42 × 60	36 × 54 (std.) 36 × 48 36 × 60 42 × 60	36 × 54 (std.) 36 × 48 36 × 60 42 × 60	— — — —
Min lift height (floor to floor)	11"	32"	—	—	—	—
Max lift height (floor to floor)	53"	60" unenclosed 75" enclosure or hoistway/shaftway	123"	147"	171"	—
Power info	Precision landing control on all models					
Primary drive	24V DC; ½ hp motor	24V DC; ½ hp motor	24V DC; 1 hp motor	24V DC; 1 hp motor	24V DC; 1 hp motor	—
Final drive	1" dia. ACME lead screw	1" dia. ACME lead screw	1¼" dia. ACME lead screw	1¼" dia. ACME lead screw	1¼" dia. ACME lead screw	—
Input power	120VAC, 60HZ, 3A max.	120VAC, 60HZ, 3A max.	120VAC, 60HZ, 3A max.	120VAC, 60HZ, 3A max.	120VAC, 60HZ, 3A max.	—
Relay motor controller	35A breaker	35A breaker	60A breaker	60A breaker	60A breaker	—
Batteries	12V DC; 17AH (qty. 2)	12V DC; 17AH (qty. 2)	12V DC; 34AH (qty. 2)	12V DC; 34AH (qty. 2)	12V DC; 34AH (qty. 2)	—
Braking	Precision landing control on all models					

* Not available with 3-gate

- Configurations accommodate lift heights up to 14 feet and applications include: Enclosure, unenclosed, 3-gate, and hoistway/shaftway

Types

Enclosure Vertical Platform Lift: self-contained and needs no hoistway/shaftway. With full-size Plexiglas® door and panel inserts, the Enclosure VPL wheelchair lift is an attractive choice for ADA compliance. Made in America. Access up to 14 feet.

3-Gate (Toe Guard) Vertical Platform Lift: lower Enclosure vertical platform lift provides a full barrier at the lower landing with no access under the lift for maximum safety. Made in America. Access up to 53 inches.

Unenclosed Vertical Platform Lift: space-saving solution for ADA compliance; provides access to short distances (to stages, porches). Made in America. Access limit of 60 inches (recommend verifying local codes allow for an unenclosed wheelchair lift solution).

Hoistway/Shaftway Vertical Platform Lift: placed inside a shaftway (also known as a hoistway) built by others. The shaftway VPL includes a drive mast, passenger platform, doors and gates made in America. Access up to 14 feet.

VPL-3300B Series Models

VPL-3353B: unenclosed, enclosure, hoistway/shaftway and 3-gate; 53 inches (1346 mm) maximum floor-to-floor height and 11 inches (279 mm) minimum floor-to-floor height.

VPL-3375B: unenclosed; 60 inches (1524 mm) maximum floor-to-floor height, 32 inches (813 mm) minimum floor-to-floor height.

VPL-3375B: enclosure and hoistway/shaftway; 75 inches (1905 mm) maximum floor-to-floor height, 32 inches (813 mm) minimum floor-to-floor height.

VPL-3310B: enclosure and hoistway/shaftway; 123 inches (3124 mm) maximum floor-to-floor height.

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**3-Gate (Toe Guard) Vertical Platform Lift**

VPL-3312B: enclosure and hoistway/shaftway; 147 inches (3734 mm) maximum floor-to-floor height.

VPL-3314B: enclosure and hoistway/shaftway; 171 inches (4343 mm) maximum floor-to-floor height.

Sizes

See Table 1 for dimensions. A 36 × 54 inch platform is standard. Optional platform sizes are:

- 36 × 48 inches
- 36 × 60 inches
- 42 × 60 inches

Accessories/Options

- Secondary grab rail
- ADA compliant telephone kit
- Plexiglas panels: clear or bronze
- Flush mount doors with interlock
- Power assisted door/gate operator
- Platform gate (unenclosed application)
- Several platform sizes and configurations
- Rocker switch or paddle landing controls
- Rocker switch or paddle controls on the platform
- 34 AH battery pack upgrade for VPL-3353B and VPL-3375B
- 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 degrees F (-7 C)
- 3-stop optional for VPL-3310B, VPL-3312B and VPL-3314B

Custom Designed Units

The Bruno Independent Living Aids, Inc. engineering staff will assist with custom requests.

4. Technical Data

Applicable Standards

American Society of Mechanical Engineers (ASME)

- ASME A17.1 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)

- ASTM A1008 Standard Specification 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 Electric Code
- CSA B44.1 Safety code for Elevators and Escalators
- CSA B355 Lifts for Persons with Physical Disabilities

ETL Listed Mark-Intertek

- C-US Listed Control Number: 4004689

Unenclosed Vertical Platform Lift



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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)

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 that the platform stops within ½ inch (13 mm) of the landing.
3. Inspect the platform controls.
4. Inspect the call/send controls.
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 for use in colder environments. Please use: Marsollier Petroleum, 1990 Inland Drive, Regina, SK S4R 8R7, Canada; phone: 306-721-3776; fax: 306-522-7659; email: marsollier.garry.d@sasktel.net.

NOTE 2: To help protect connector pins from moisture, apply dielectric grease to connectors exposed to the elements (examples: rain, snow).

Periodic Checks

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

1. Units with electronic door interlock: verify that the platform does not move when any door 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. If the lift is an unenclosed application, verify that the safety pans (under the platform) are working properly. (Does not apply to enclosure, hoistway/shaftway and/or 3-gate applications.)

NOTE: Do not work under the platform when testing operation.

9. Technical Services

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

10. Filing Systems

- **CMD**
- Additional product information is available from the manufacturer upon request ↪

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