**TECHNICAL DATA/SPECIFICATIONS**

**RATED LOAD:** 750 lbs maximum.

**INPUT POWER SOURCE:**
- **AC POWERED UNIT:** 110-120 Volt 15 amp 60 hz dedicated service.
- **DC BATTERY POWERED UNIT:** 110-120 Volt 3 Amp 60 Hz battery charger.

**DRIVE:**
- **AC POWERED UNIT:** 1 hp motor, 1750 rpm, single phase, 120 VAC, 1.15 service factor, continuous duty.
- **VPL-3100B:** 1/2 hp motor, 1750 rpm, 24 VDC, continuous duty.
- **VPL-3200B:** 1 hp motor, 1750 rpm, 24 VDC, continuous duty.
- **DC BATTERY POWERED UNIT:**
  - **VPL-3100B:** 1/2 hp motor, 1750 rpm, 24 VDC, continuous duty.
  - **VPL-3200B:** 1 hp motor, 1750 rpm, 24 VDC, continuous duty.

**INTERMEDIATE REDUCTION:**
- **Dual 4L style Poly-V belts and pulleys, 3.94:1 pulley reduction.**

**FINAL DRIVE**
- **VPL-3100:** 1" dia. ACME screw w/bronze nut and bronze safety back up nut.
- **VPL-3200B:** 1.25" dia. ACME screw w/bronze nut and bronze safety back up nut.

**MOTOR CONTROLLER:**
- **AC POWERED UNIT:** 24 VAC Relay control.
- **DC BATTERY POWERED UNIT:** 24 VDC Relay control.

**SPEED:**
- **AC POWERED UNIT:** 9 feet per minute maximum.
- **DC BATTERY POWERED UNIT:** 10 feet per minute maximum.

**PERFORMANCE STANDARDS**

USA FOOD & DRUG ADMINISTRATION: CLASS II, 510(K) Exempt, File No. 890.3930, Product Code: PCE

ASME A18.1 (Section 5) Safety Standards for Platform Lifts and Stairway Chairlifts *

CSA B355 Lifts for Persons with Physical Disabilities (Residential Application) *

CSA B44.1/ASME-A17.5 Elevator and Escalator Electrical Equipment *

* For complete technical specifications and performances standard years of compliance please see:
  ILS-00834 "VPL-3100 Series Residential Vertical Platform Lift Technical Specification"
  ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"
**HOISTWAY STRAIGHT-THRU PLATFORM (NO PIT)**

**VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT**

**ELEVATION VIEW**

- **B**: MAX FLOOR TO FLOOR

**PLAN VIEW**

- **D**: MAX FLOOR TO FLOOR
- **C**: 3' RAMP

**NOTES:**

1. HOISTWAY IN ACCORDANCE WITH SAFETY CODES (ASME - A18.1) AND TO LOCAL CODES AND REGULATIONS. HOISTWAY TO BE FIRE RATED IN ACCORDANCE WITH APPLICABLE BUILDING CODES IF REQUIRED BY SUCH CODES.
2. PLUMB HOISTWAY DUE TO CLOSE RUNNING CLEARANCES. MUST BE CONSTRUCTED PLUMB (±1/8 IN) AND SQUARE AND TO SIZE SHOWN.
3. NO CONDUIT, WIRING OR PIPING OTHER THAN THAT PERTAINING TO THE UNIT IS PERMITTED IN THE HOISTWAY.

**VPL-3153**
- B MIN: 11"  
- B MAX: 53"

**VPL-3153 B**
- B MIN: 11"  
- B MAX: 53"

**VPL-3175**
- B MIN: 32"  
- B MAX: 75"

**VPL-3175 B**
- B MIN: 32"  
- B MAX: 75"

**VPL-3210 B**
- B MIN: 75"  
- B MAX: 123"

**VPL-3212 B**
- B MIN: 75"  
- B MAX: 147"

**VPL-3214 B**
- B MIN: 75"  
- B MAX: 171"
TECHNICAL SPECIFICATIONS *

FLOOR ATTACHMENT:
VPL MUST BE FASTENED TO CONCRETE SLAB USING FOUR (4) 1/2" (3/8" BOLT) X MINIMUM 2-1/2" LONG CONCRETE ANCHORS SUITABLE FOR THE ENVIRONMENT. FOLLOW SELECTED CONCRETE ANCHOR MANUFACTURERS GUIDELINES AND APPLICABLE CODES.

FLOOR REQUIREMENTS:
4" THICK 3500 PSI MINIMUM COMPRESSIVE STRENGTH, REINFORCED CONCRETE SLAB.

* For complete technical specifications please see
ILS-00834 "VPL-3100 Series Residential Vertical Platform Lift Technical Specification"
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"