



VERTICAL PIVOT CRASH GATE SYSTEM AND OPERATOR SPECIFICATIONS



MODEL:	VPL-CB24-50
RATING:	ASTM F2656-07 M50/P1 (DOS K12/L3) Stops a 15,000 lb. vehicle traveling 50 mph in under 1 meter.
OPERATOR:	Dual belt/high torque reduction system. Counter balanced. Safety locking pins used during preventative maintenance to negate vertical and horizontal movement.
OPERATOR CONSTRUCTION:	Frame: 2" Sq., 11 Ga. (.120) Steel Skins: 18 Ga. Galvaneal Sheet Doors: 14 Ga. Galvaneal Sheet with three point locks
OPERATOR SIZE:	Type: VPL-CB-24 Length: 68" Height: 51" Width: 36"
PAINT:	Diamond Vogel water based paint on drop arm/gate panel. Standard colors: Black, White, Brown, Green & Gray. Custom colors available. Operator cabinet is powder coated black.
DUTY CYCLE:	Continuous.
POWER SUPPLY:	120V-3 Amp with 24v DC battery back up. (2) Group 24, 12v , Deep cycle, sealed batteries required, NOT included.
POWER MAINTENANCE:	24v built-in battery maintainer keeps batteries charged for built-in battery back-up. "Over-Charge" protection built-in.
CONTROL CIRCUITRY:	Solid state coated control board in NEMA 4x weatherproof electrical enclosure. Sealed proximity switches ensure weather and moisture-proof integrity. (Boards tested to -40° F).
CONTROL WIRING:	16 & 18 Ga. single conductor. Copper w/electrolytic copper compression terminals tin-plated for maximum corrosion prevention.
GEAR MOTOR:	Horse Power: 1/3 Gear Type: Hardened steel Bearing Type: Ball Gear Lube: Mobile Gear 600 XT320
OPEN / CLOSING CYCLES:	Standard Speed: 12 – 14 seconds.
DELAYED CLOSING:	Adjustable from 0 – 60 seconds.
OBSTRUCTION SENSOR:	Adjustable IRD senses obstructions opening or closing.
SECURITY BREACH PROTECTION:	24V built in system brake when 120v or battery power is present.
REVERSING EQUIPMENT:	Optional Reversing/Safety Loop, Leading Reversing Edge, and Infrared Reversing Beams.
OPTIONAL ACCESSORIES:	Access controls, solar power, operator gear motor heater, extreme cold weather package, MUTCD or SDDCTEA reflective tape warning lights and audible devices.
ORNAMENTAL GATE CONSTRUCTION:	Aluminum tubing with high strength synthetic ropes contained in aluminum housing. 2" Sq., 11 Ga. (.120) Aluminum Tubing
PICKET CONSTRUCTION:	3/4" Sq. Aluminum Tubing, 1/8" Wall
CHAIN LINK CONSTRUCTION:	Frame: 2-3/8" , Sch. 20 Tubing Fabric: 9 Ga. Aluminum
GATE LENGTHS:	Full size gate: Clear drivable open up to 15' Barrier Arm Only (no gate): Clear drivable open up to 17'
GATE HEIGHTS:	5' - 9' from pad grade. Gates over 8' will require special crating & freight arrangements.
GATE HARDWARE:	Gate mounting hardware is 304 stainless steel
FOUNDATION:	66" Deep foundation design including 12" tubular steel bolsters. Bolster weight = 2500 lbs./ea
SHIPPING WEIGHT:	Typical VPL-CB-24 Operator with 6' high x 15' long picket style gate and bolsters approximate weight = 6700 lbs.
WARRANTY:	Three (3) years from date of shipment on manufactured components and workmanship. Purchased components and accessories are covered under their respective warranties. (see full Warranty for details)

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