**VERT-X Maximum Allowable Gate Mass & Coverage:**

Maximum Allowable Gate Mass (per gate leaf):

<table>
<thead>
<tr>
<th>Gate Length (m)</th>
<th>Mass (kg)</th>
<th>Coverage at 60 km/h</th>
<th>Coverage at 80 km/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>1.8</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>1.5</td>
<td>1.8</td>
<td>64%</td>
<td>48%</td>
</tr>
<tr>
<td>2.0</td>
<td>1.8</td>
<td>45%</td>
<td>34%</td>
</tr>
<tr>
<td>2.5</td>
<td>1.8</td>
<td>39%</td>
<td>27%</td>
</tr>
<tr>
<td>3</td>
<td>1.8</td>
<td>32%</td>
<td>23%</td>
</tr>
</tbody>
</table>

**Minimum Installation Requirements:**

- Gate opening 90° or less
- Length (m): 1.5, 2, 2.5, 3
- Mass (kg): 1.8, 1.8, 1.8, 1.8
- 100% Coverage
- 50% Coverage

**Maximum Allowable Coverage in Wind Speeds:**

- Length (m): 1.5, 2, 2.5, 3
- Mass (kg): 1.8, 1.8, 1.8, 1.8
- Coverage:
  - 100% Coverage
  - 50% Coverage

**Technical Specifications:**

- **Input voltage:** 120V AC ±10%, 50Hz
- **Motor voltage:** 12V DC
- **Motor power supply:** Battery-driven (standard capacity - 7Ah)
- **Mass of unit packed:** Single kit 10kg, Double kit 20kg
- **Current consumption (quiescent load):** 70mA
- **Current consumption (mains):** 170mA
- **Battery charger:** CP84SM - 1.8A @ 13.7V
- **Degree of protection:** IP55
- **Operating temperature:** -15°C to +50°C
- **Collision sensing:** Electronic
- **Onboard receiver type:** NOVA code-hopping onboard multichannel
- **Controller incorporated:** V-Series in separate wallbox
- **Planning:**
  - Controller wallbox
  - A fully weatherproof wall-mounted enclosure for the operator’s controller electronics
- **Mounting kit:**
  - The optional mounting kit enables the installer to easily gain access to the property with people inside in order to allow free-exit of vehicles from gate automation installation

**Optional Mounting Kit Available:**

The optional mounting kit enables the installer to easily determine the installation values for optimum mounting of the Wall and Gate Brackets. The templates provide installation support for both manual- and remote-opening gates, and are designed to allow for an easy installation process when there is sufficient clearance between the gate and the bracket.

**Overall Dimensions:**

- Height: 270mm (2 boxes)
- Width: 335mm
- Length: 1105mm
- **Wall box cover:**
  - Slotted, diagonal mounting slots add mounting flexibility
  - Exterior lip to ensure water stays out, even during the removal of the cover
  - Built-in, easily accessible earth point
  - Clip-in component brackets
  - Interface board with an anti-tamper switch which can be linked to a security control reader
  - Exter...
Safe battery backup

With only a low-voltage battery supply powering the VERT-X operator, the system is totally fail-safe, providing total security. The versatile battery options, providing the option of safe battery back-up and protection. The addition of optional battery packs to the VERT-X provides an exceptional level of power back-up in the event of a power failure.

But the good news doesn’t stop there. You can enjoy complete power failure autonomy and reliability, and gain confidence by knowing your VERT-X is a low power supply. VERT-X is completely power-ready, making it ideal for use with no mains at all. You can even operate your gate with any small battery, and the battery charger is ready to start charging your access control power requirements.

Sensitive anti-crushing control

The V-Series controller accurately monitors any obstructions to the movement of the gate and ensures ultra-safe operation against crushing and ensures user peace of mind.

Anti-fatigue cable harness

Every aspect of the VERT-X has been designed to work hard, and its anti-fatigue cable with over-molded steel cable makes for excellent reliability and maximum lifespan.

The VERT-X is capable of reliably operating swing gates in the majority of domestic and industrial applications.

High push force

The high-torque DC motor operating through an efficient planetary gearbox, delivers a potent 220kg push force. The VERT-X is capable of reliably operating swing gates in the majority of domestic and industrial applications.

Internal limits

The VERT-X’s advanced internal limit system guarantees very reliable operation and precise control of the movement of the gate. It is designed to provide precision positioning information to the controller, ensuring reliable operation and setting the standard in early collision detection.

Complete speed control

The VERT-X incorporates, with ‘Quadratic’ (speed control), minimum smooth and quiet starting and stopping of the gate regardless of its condition, and ambient temperature, even after years of service. The VERT-X’s anti-crush control reduces the operating strokes and extends the life of both the operator and the gate.

Swift operation

The mechanical gearing of the VERT-X, combined with its leading-edge speed control system maximizes rapid and precisely-controlled opening and closing of the gate for greater convenience and security.

REVOLUTIONARY BRK

The innovative revolutionary brake developed for the V-Series range of swing gate motors ensures secure lock-in of the operator when the gate is both open and closed.

Highly efficient controllers

The highly efficient controllers make the installation of the system very quick and easy. Added to this, the internal position control mechanism simplifies the installation even further, as the gates no longer require off-air travel endpoints.

ENDURING RELIABLE

With such striking, rugged good looks, the VERT-X maintains rapid and precisely-controlled opening and closing of the gate for greater convenience and security.

EASY TO INSTALL

The fully integrated linear action operator with no complicated mappings makes the installation of the system very quick and easy. Added to this, the internal position control mechanism simplifies the installation even further, as the gates no longer require off-air travel endpoints.

ENDURING RELIABLE

Revolutionary brake

The innovative revolutionary brake developed for the V-Series range of swing gate motors ensures secure lock-in of the operator when the gate is both open and closed.

Full-featured controller

The V-Series controller accurately monitors any obstructions to the movement of the gate and ensures ultra-safe operation against crushing and ensures user peace of mind.

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