

## TOPP C20 CHAIN DRIVE – OVERVIEW

These units are Italian designed and manufactured, and used extensively throughout Europe and Australasia. They are robust, safe and come in 230 Volt & 24 volt options.

OWT has extensive experience with chain drives, installed in many situations from schools, churches, community and residential buildings, particularly where blinds or curtains are to be used.

With all electric systems, we also offer rain, smoke and temperature sensors, and remote controls, or we can offer fully integrated systems.

### **Benefits**

- Incredibly discreet and unobtrusive
- Take up very little space
- Do not interfere with any window treatments such as curtains or blinds
- Suitable for sashes up to 1500mm wide
- Economical;
  - ✓ More economical than manual gearboxes for single sash windows
  - ✓ 230 volt units do not require transformers or controllers, and can be wired in parallel, reducing costs further.

### **Design Parameters**

- Maximum sash width for single chain drive - 1500mm
- Sashes over 1500mm require tandem chain drives- we can offer alternatives for these.
- Restrictor stays must not be fitted to the sashes.
- 230 volt suitable for most situations except low level or within close proximity to water source, such as a shower head.



**Operable Window Technologies**

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**Design Requirements      TOPP C-20 230 volt Chain Drives**

1. Sashes must be either top hung or on frictionless stays.
2. TOPP C-20 230 volt electric chain drives (Black, White or Grey finish) to be mounted on the sash at the transom or at the sill on the jamb liner.
3. To have these units spray painted to match joinery color is an additional \$50-00 + GST per chain drive.
4. 230 volt electric chain drives can be wired direct from the switch to the chain drive without the need for controllers or transformers.
5. **No allowance** has been made for electrical wiring, switches or final connection, which must all be completed by a registered electrician.

**Registered electrician to provide:**

1. All switches. We recommend that switches have a neutral position so power does not go permanently to the chain drives.
2. All electric power cables.
3. Electric power (230 volt) to the switches and each chain drive, with 3 core cable between the switch and the chain drive (open, close and neutral – no earth required as motors are double insulated) with a permanent connection unit or ceiling rose, or similar, positioned approximately 350mm to the right hand side of the centre of the sash with a 3 way strip connector for final connection, which must all be completed by the site registered electrician. The chain drives must not be hard wired.
4. All final connections to the chain drives.
5. Cabling to be concealed as much as possible.

