

**BTX Window Automation
Product Specifications
Drapery Systems**

Motorized Drapery System 5060

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Part 1 – General

1.01 Abstract:

- A. Scope of work is to provide direct-drive traversing tracks for draperies that may be curved to precise specifications for commercial and/or residential applications that are operated by a BTX motorized traverse system along with, accessories, attachment hardware, and equipment necessary to complete satisfactory installation.

1.02 Submittals:

- A. Manufacturing literature to describe assembly, materials, installation instructions, and specific data. Include any pertinent wiring diagrams.
- B. Shop drawings are to include but are not limited to, all components, fasteners, and installation methods.
- C. Window systems are custom-built based on measurements taken in the field.

1.03 Quality Assurance:

- A. Manufacturer's Qualification
 - 1. BTX Window Automation is the original manufacturer of a unique line of motorized headrail systems, electronic shading devices and controls.
- B. A qualified installer or sub-contractor shall perform installation.
- C. Installation shall conform to Local and National Building Code and any applicable local standards.
- D. Sample system may be provided upon Architect's request and BTX authorization.

1.04 Delivery, Storage, and Handling

- A. Systems to be delivered to installation site or to installer intact in original manufacturer's custom-built containers.
- B. Systems shall be operated under normal room temperature range, humidity, and operating conditions.

1.05 Warranty

- A. Provide BTX standard limited warranty of five (5) years from date of shipment against defects in materials and workmanship of motors and hardware. Electronic and electrical controls are warranted against defects in materials and workmanship for one (1) year from date of shipment from the factory.

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Part 2 – Products

2.01 Manufacturer:

- A. BTX Window Automation
10763 Sanden Dr.
Dallas, TX 75238
(800) 422-8839

2.02 Components:

- A. Motor shall be synchronous planetary drive with quick-connect coupling for instant attachment to headrail. The 30 watt motor shall be rated for an overall capacity of up to 80 lbs. drapery weight dependent on overall width and the 45 watt motor shall be rated for an overall capacity of up to 160 lbs. drapery weight dependent on overall width. Tandem systems shall be rated for up to 160 lbs. at 30 watts and up to 280 lbs. at 45 watts dependent on overall width. For exact weight capacity, please see manufacturers width/weight capacity chart. Motors shall operate at constant speed regardless of load. Motors shall be either 110v/60Hz or 220v/50Hz and are UL recognized. Motors shall have shock resistant motor coils and are moisture resistant and fire resistant. Motors shall also have thermal protector for automatic switch off to prevent overheating. Each motor shall be provided with precision planetary gears and internal limit switches protected by security cover. The limit switches shall regulate the automatic switch off upon completion of each running cycle.
- B. Drive Assembly and Return Assembly shall be manufactured from injection molded plastic.
- C. Headrail shall be manufactured from extruded aluminum 1-5/16" in width, 1" in height with .071" wall thickness.
- D. Drive Belt shall be made of Dymetrol¹ and circulates internally in the headrail to ensure smooth travel even if track is curved. Curves shall be factory made according to template or specification. Overall weight capacity decreases by 15% per curve.
- E. Carriers are wheel mounted, and provided with rotating grommet or stationary wheel carrier for pinch-pleat, ripplefold, or accordiafold as specified.
- F. Wall/Ceiling Brackets shall be made from formed steel with quick release and allow for mounting of system either to wall or ceiling.

¹ Dymetrol is a registered trademark of Dymetrol Company, Inc 724 Yorklyn Road, Suite 280 Hockessin, DE 19707-8732

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2.03 Controls:

- A. The switching device to activate the system shall be either a BTX switch for hardwired control or the BTX radio or IR remote control. Multiple systems shall be controlled either individually or by BTX group controllers or automatic controllers including sun sensors and programmable digital timers. Controls can be integrated with home automation, or building management systems.

Part 3 – Execution

3.01 Inspection and Preparation:

- A. Qualified installer shall be responsible for window measurements prior to installation, installation conditions, and preparation of all mounting surfaces.
- B. The power supplied shall be 110v or 220v AC three conductor to the primary switch (hardwire switch, radio or IR receiver unit, or BTX automated controls). Wiring between primary switch and selected control units shall be in accordance with manufacturer's wiring schematics and specifications. All on site wiring shall be provided by the owner.

3.02 Installation:

- A. System installation shall be in accordance with BTX mounting instructions.

3.03 Maintenance:

- A. Traversing system components should not require routine maintenance under normal operating conditions.
- B. For fabric care refer to fabric manufacturer's care and use directions.