

**BTX / SKYCO Product Specifications
Drapery Systems**

Glydea60 Drapery System

1

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 / SKYCO motorized traverse system along with accessories, attachment hardware and equipment necessary to complete satisfactory installation.

1.02 Turnkey responsibility for motorized drapery systems:

- A. To ensure control of responsibility for satisfactory performance and installation of the motorized drapery systems, the design, engineering and installation shall be assigned to a single manufacturer and his authorized dealer/installer.
- B. The base building contractor (main contractor) shall provide and coordinate the following items with the window shade contractor/installer for all window shade systems:
 - 1. Pockets recessed into ceiling
 - 2. Power wiring
 - 3. Wire conduits as required
 - 4. Duplex outlets and J-boxes
 - 5. Necessary Mounting Hardware

1.03 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.

1.04 Quality Assurance:

- A. Manufacturer's Qualification
 - 1. BTX / SKYCO 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 / SKYCO authorization.

**BTX / SKYCO Product Specifications
DraperY Systems**

Glydea60 DraperY System

2

1.05 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.

1.06 Warranty

- A. Provide BTX / SKYCO 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.

Part 2 – Products

2.01 Manufacturer:

- A. BTX Intelligent Fashion
2517 Manana Dr
Dallas, TX 75220
(800) 422-8839
- B. Skyco Shading Systems
3411 W Fordham Ave
Santa Ana, CA 92704
(800) 777-5926

2.02 Components:

- A. The Glydea 60 series of direct drive motors shall operate on 120V/60Hz AC and have the capability of pulling 130 lbs. over 18' of track. Power shall be supplied three conductor power cable with molded NEMA plug or a four wire cable for wired alternative. Motor shall have electronic limit capability for limit position customization. Motor shall have automatic clutch that allows drapes to be moved smoothly by hand. Motor shall lock onto track by means of a spring-loaded "bayonet" type mount with tamper-resistant safety lock to secure motor to track. Motor shall be instantly detachable for easy replacement. The Glydea motor shall feature integral electronics control for RF remote operation. Alternate motor and power options are available based on required configuration, such as hard-wire control, wireless integration, dry contact closure, and RS485. Consult factory for alternate motor specifications.
- B. Drive Assembly and Return Assembly shall be manufactured from injection molded plastic.

**BTX / SKYCO Product Specifications
Drapery Systems**

Glydea60 Drapery System

3

- C. Headrail shall be manufactured from extruded aluminum.
- D. Drive Belt shall be a toothed timing belt 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 ninety-degree curve.
- E. Remote Control shall operate system via RF signal and is capable of controlling up to 16 motors independently and as a group.
- F. Wireless RS232 Interface Controller shall receive RS232 serial input from building management system and output Radio Protocol to wirelessly control up to 14 motors individually or 14 groups of motors. Wireless integration hubs and building manager connectivity accessories are compatible. Consult factory for control integration options.
- G. Wall/Ceiling Brackets shall be made from formed steel and allow for mounting of system either to wall or ceiling.

2.03 Controls:

- A. The switching device to activate the system shall be either RF remote control, wall-switch, contact closure, RS232/RS485 Interface Controller, or Home Automation System. Systems can be controlled individually or as a group with the use of the RF control devices. Motors can be integrated with virtually any home automation/lighting control, or building management systems via RJ jack utilizing contact closure.

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 to the motor shall be 100V – 240V AC. 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.

**BTX / SKYCO Product Specifications
Drapery Systems**

Glydea60 Drapery System

4

- B. For fabric care refer to fabric manufacturer's care and use directions.