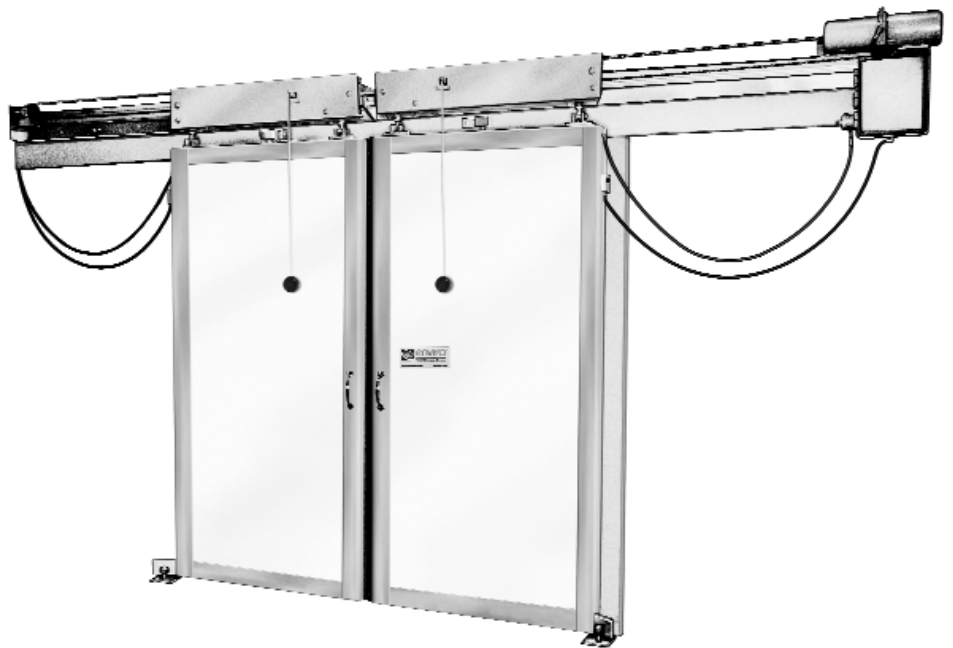
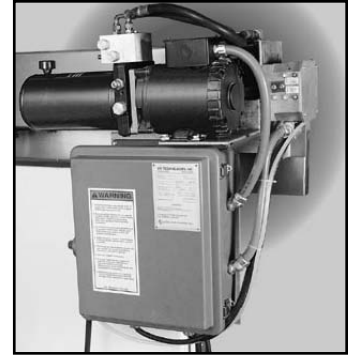
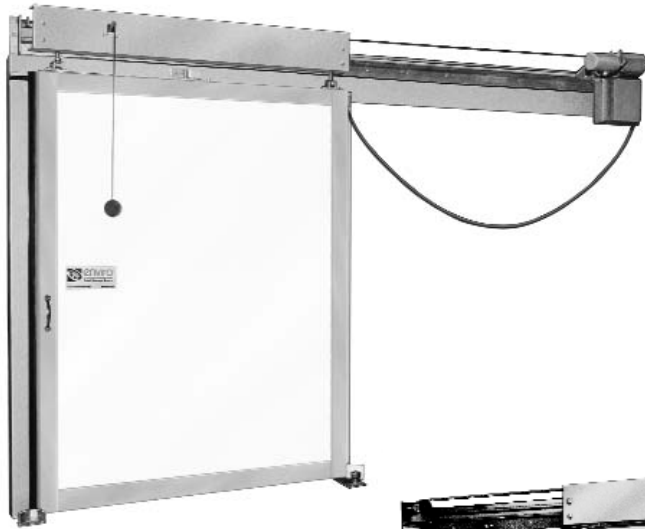


Hydraulic Dual Speed

High Performance Door System

Data Sheet

Model HDS



FEATURES

- The Enviro HDS High Speed Door System combines the speed of a bi-folding or fabric roll-up door with the insulating qualities of a hard panel door.
- The high speed HDS operator provides two speed operation for quick door opening and slower closing.
- Designed with programmable logic controls (PLC) and variable frequency drive (VFD) system.
- The HDS system has no brakes, clutches, gear boxes, or belts to adjust, repair or replace which extends system life and reduces maintenance.
- Hydraulic operation provides smooth door acceleration and deceleration.
- Self lubrication with hydraulic fluid.
- Instant reversal because there is no lag time.
- The totally enclosed HDS operator and NEMA-4 fiberglass control box easily withstands hostile environments, including frequent washing, dirt, steam, heat, and salt water.
- Five year unlimited cycle warranty.



Inside the ENVIRO® Hydraulic Operator

Pioneered by ENVIRO over twenty years ago, the hydraulic operator eliminates the "wear-to-work" parts found in typical electro-mechanical operators. There are no brakes, clutches, gear boxes or belts to adjust, repair or replace.



DESIGN AND CONSTRUCTION FEATURES

- Provides smooth operation at high speeds by hydraulically cushioning the rapid start and rapid stop of the opening and closing cycle of the door.
- Provides highly reliable hydraulic components within the hydraulic circuit which increases the service life of the door system while dramatically reducing maintenance requirements.
- Provides a hydraulic system which automatically locks the door and drive components in the open or closed position.
- Provides a hydraulic system with common components which may be readily adjusted to regulate the opening and closing of a wide range of door sizes and weights.

DOOR SIZES

- Minimum: 5' x 7'.
- Maximum: 12' x 14'.

PANEL CONSTRUCTION

- Metal or fiberglass construction. See 501 or 505, Data Sheets for specific information about panel construction.

OPERATION

- Two-speed operation which provides quick door access and slower closing. (Single panel door speed: 40" per second open, 20" per second close; Bi-parting panel door speed: 80" per second open, and 40" per second close).
- PLC (Programmable Logic Controls).
- VFD (Variable Frequency Drive).

PERFORMANCE FEATURES

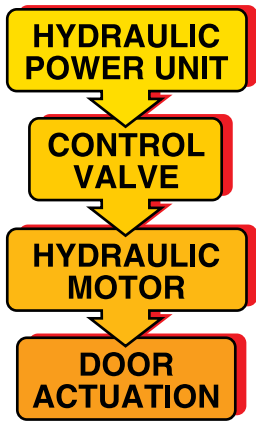
- Reversing edge for instant stop/reverse along full height and travel of door.

INSULATION

- 4" poured polyurethane foam.
- R33 or R50.
- "K" factor of .12 at 75°F.

WARRANTY

- 5 years against defects in materials or workmanship on HDS hydraulic operator.

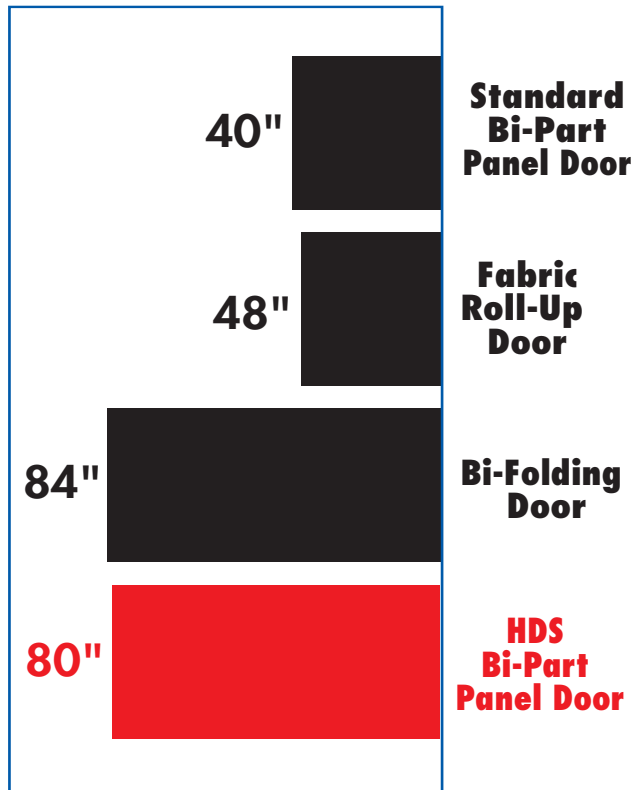


The ENVIRO hydraulic operator uses hydraulic fluid rather than mechanical components to power the door. Fluid is directed from a self-contained hydraulic power unit through a control valve to a hydraulic motor. The motor is designed to provide high starting torque for fast, smooth acceleration. The system also provides automatic braking through a deceleration valve, as well as instant response of the door reversing edge. Hydraulic fluid provides lubrication for internal parts and dissipates heat to provide up to 10 times the life of an electro-mechanical operator.

Totally enclosed, the hydraulic operator and NEMA-4 fiberglass control box easily withstands hostile environments including frequent washing, dirt, steam, heat, and salt water.

The HDS Hydraulic Operator*

The HDS operator is the next generation of ENVIRO hydraulic operators.



*Patent Pending



HDS 2/2007R

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