

# TKenhance HYpower

**ThyssenKrupp Elevator**  
Americas Business Unit



ThyssenKrupp

# HYpower

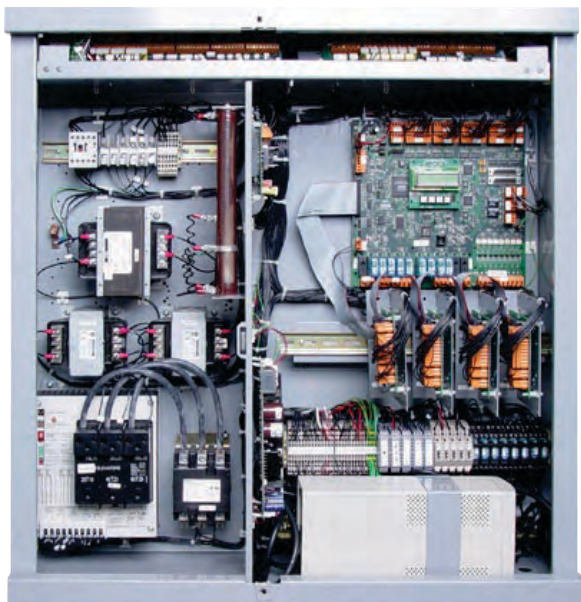
Do you want your elevators to:

- be reliable?
- ride smoothly?
- be up to code?
- have the latest technology?

Then it's time to modernize with the United States leader in vertical transportation. ThyssenKrupp Elevator manufactures more hydraulic elevators than any other company. Trust the modernization of your hydraulic elevators to the industry experts.

HYpower is a complete modernization of your hydraulic elevators. Your needs and your budget are the determining factors. HYpower will improve your elevator system's performance and reliability, as well as bring the elevator into compliance with current codes. By modernizing now, you can extend the lifecycle of your vertical transportation equipment.

## TAC22® Controller



### The Smart Choice.

The TAC22 is the controller of choice when it comes to upgrading hydraulic elevator controllers. The microprocessor-based system offers better diagnostic capabilities and easier troubleshooting than other control systems. Downtime and inconvenience are minimized with improved, more efficient installation techniques. The TAC22 control system will improve the performance of any brand of hydraulic elevator by increasing reliability and making smarter traffic-handling decisions. In addition to our standard TAC22 features, the HYpower package includes:

#### Solid State Starter

Minimize power surges with smooth and steady current to the motor.

#### Tenant Security

Card reader capability.

#### Battery Lowering Kit

Provides supplemental power to the elevator controls in case of power failure.

#### User-Interface Tool

On board diagnostics for quick start-up and troubleshooting.

#### Tape Selector

Communicates the position of elevator to the controller in a digital format.

#### VISTA® Remote Monitoring

A communication device that relays critical elevator information to your local branch office.



Solid State Starter



Battery Lowering





Car Operating Panel

## Fixtures

### Classic. Contemporary. Practical.

Fixtures are the most visible part of an elevator and our wide selection of fixtures enhance both appearance and functionality.

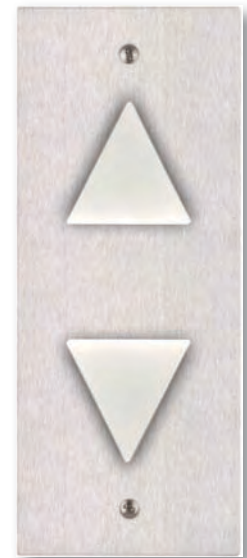
Our fixture line is in full compliance with all U.S. and Canadian fire service codes, and offers Braille plates with highly durable, cast tactile markings meeting the most stringent code requirements.

### #4 Stainless Steel Fixtures included in the HYpower package are:

- > Car Operating Panel
  - Floor Buttons
  - Digital Car Position Indicator
  - Fishtail Braille
  - ADA Compliant Hands Free Phone
  - Code Required Key Switches
  - Code Required Signage
- > Hall Fixtures
  - Surface Mounted Hall Stations
  - Surface Mounted Digital Main Floor Position Indicators
  - Hoistway Access Key Switches
- > Car Riding Lantern



Surface Mounted  
Digital Main Floor Position Indicator



Car Riding Lantern



Surface Mounted  
Hall Station

## Door Operator

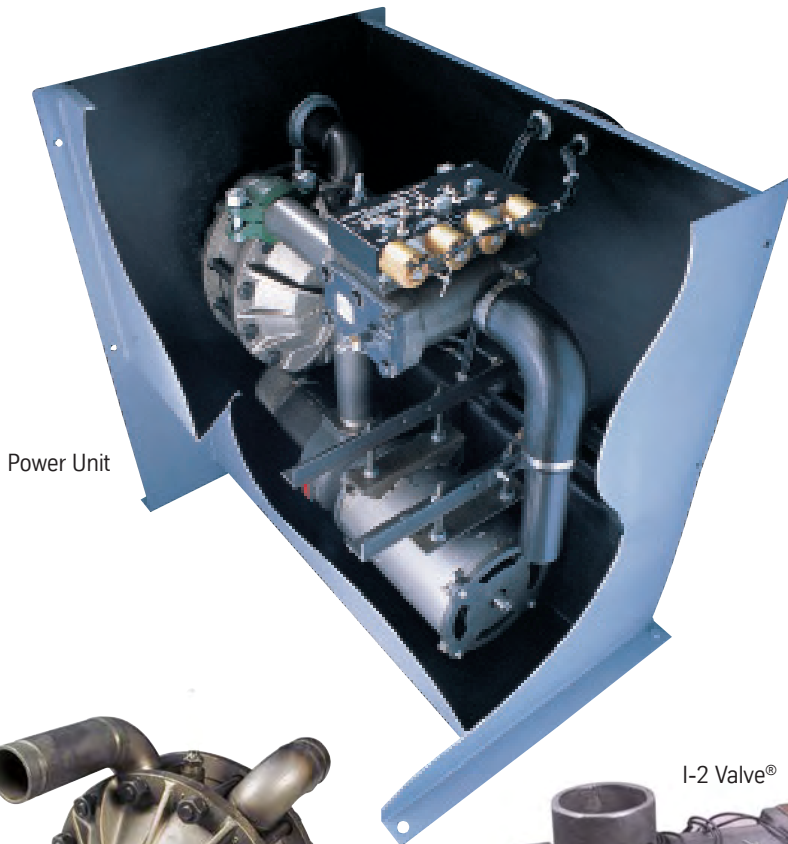
### A Sound Investment.

Designed for modernization applications, our HD-98 Closed Loop Door Operator is the answer to improving your elevator door operation.

- Operator with 1/6 HP Motor
- Drive Arm
- Restrictor Clutch
- Car Door Tracks
- Car Door Hangers
- Car Door Header
- Gate Switch
- Car Top Inspection Station
- Car Top Work Light and GFI Outlet
- MicroLight Door Detector



Closed Loop Door Operator



Power Unit

## Power Unit (Optional)

### Optimal Hydraulic Performance.

For elevators 10 years old or older, a power unit replacement can reduce downtime, increase elevator performance, offer quieter operation and reduce vibration. Our power units are pre-wired for easy installation and each power unit includes the pump motor, muffler, valve, tank and piping. Every ThyssenKrupp Elevator power unit is built according to your specifications and measurements of the cylinder, elevator capacity, current speed and gross load. ThyssenKrupp Elevator's power units are made with quality and precision in mind and tested specifically for your job conditions.



Silencer



I-2 Valve®

## HYpower Overview

### Control System

- TAC22® Controller
- Microprocessor-Based
- Simplex or Duplex Operation
- On-Board Diagnostics
- Solid State Starter
- Battery Lowering
- Tenant Security 3-1
- Front Openings
- Up to 6 Stops
- VISTA® Remote Monitoring System
- Local Code Compliance
- Limit Switches (If Required by Local Code)
- Leveling Accuracy: +/- 1/2 inch (13 mm)
- Power Supply: 200-208V, 220-240V, 460-480V, 575-600V, 50/60 Hz, AC

**Speeds** Up to 150 fpm (0.75 m/s)

**Capacity** 1200 to 5000 lbs.

**Travel** Up to 60 feet (18m)

### Tape Selector

- Elevator Position Digitally Communicated to TAC22 Controller
- Strong Spring Tensioning Device

### Door Operator

- TKE HD-98
- New 1/6 HP Motor, Drive Arm, Restrictor Clutch, Tracks, Hangers, Header and Gate Switch
- Closed-Loop Encoder Feedback
- On-Board Diagnostics
- MicroLight Electronic Door Detector

### Fixtures (No. 4 Stainless Steel Finish)

- Car Operating Panel
  - Digital PI
  - ADA Compliant Hands Free Phone
  - Emergency Light
  - Fishtail Braille
  - Code Compliant Signage
- Surface Mounted Hall Fixtures with Appendix "O"
- Surface Mounted Main Floor Digital PI
- Car Riding Lantern
- Hoistway Access Fixtures

### Wiring Package

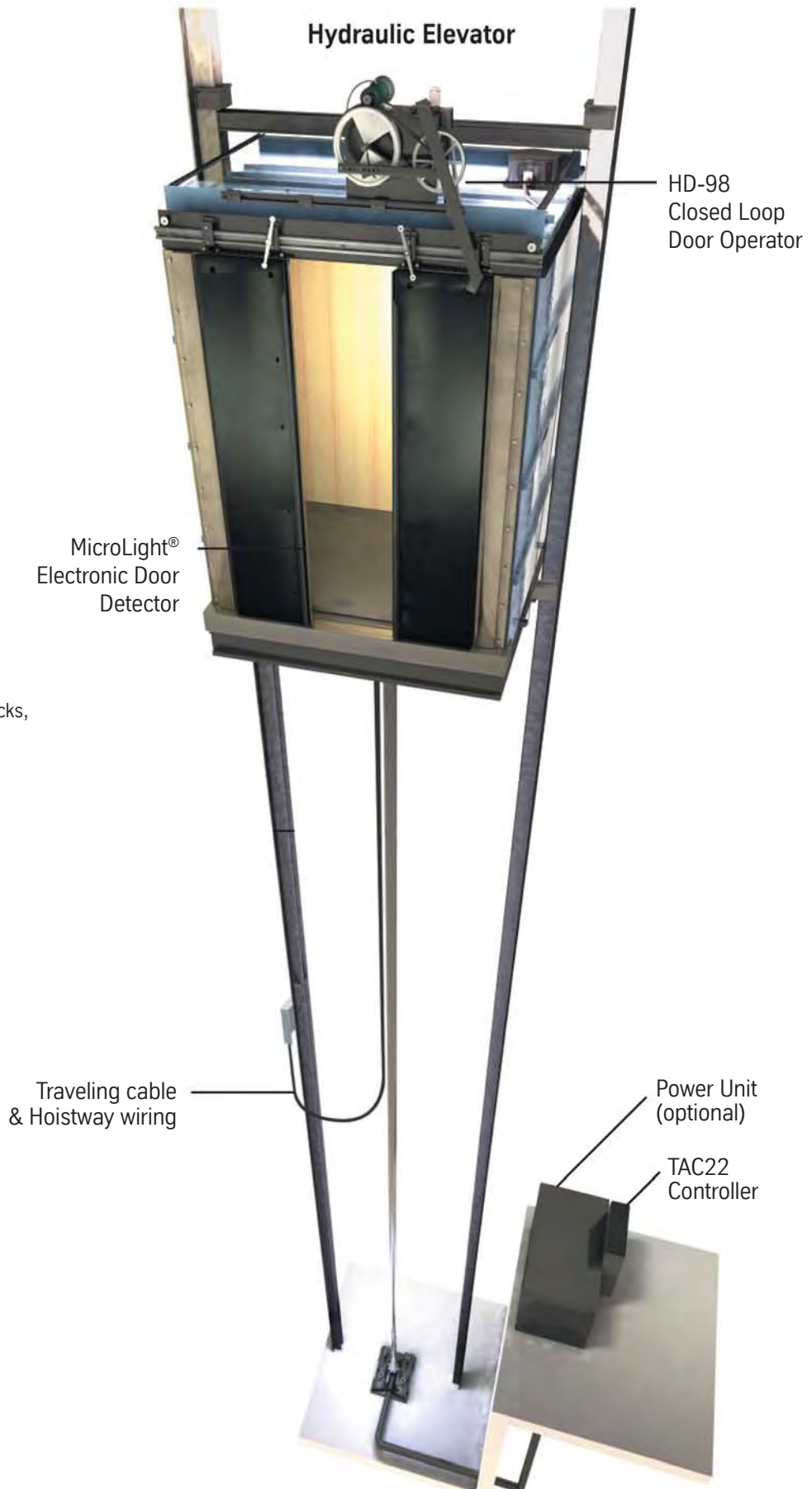
- Traveling Cable
- Hoistway Wiring

### Additional Components

- Car Top Inspection Station
- Car Top Railing
- Car Top Exit Switches

### Power Unit (Optional)

- Submersible Design
- Exclusive TKE I-2® Control Valve
- Motor from 5 to 60 HP
- Oil Flow Silencer



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All illustrations and specifications are based on information in effect at time of publication approval. ThyssenKrupp Elevator reserves the right to change specifications or design and to discontinue items without prior notice or obligation.

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