



# HYSTER REACTION [ADS]

## ADVANCED TECHNOLOGY FOR OPERATOR AWARENESS



Hyster Reaction™ is an industry-first technology package that helps reinforce lift truck operating best practices, tailored to the complexity of demanding, fast-paced indoor lift truck environments.

Hyster Reaction **Advanced Dynamic Stability (ADS)** continuously monitors the combined center of gravity of the lift truck and the load it carries to automatically apply carefully measured performance adjustments to avoid abrupt shifts or jerks that can upset stability.

The system is governed at a maximum speed:

- Class 1 sit-down counterbalanced: 5.5 mph forks trailing and 8 mph forks leading
- Class 13-wheel stand: 5 mph forks trailing and leading
- Class 2/3: 5 mph forks trailing and leading

When the system is active, it will bring the vehicle to a controlled crawl speed of 1.5 mph. Utilizing speed requirements helps improve operator and pedestrian awareness while keeping the operator in control of the lift truck.

### BENEFICIAL USE CASES



#### Advanced Dynamic Stability (traction & hydraulic controls<sup>1</sup>)

#### Adaptive Speed Controls

- Lateral stability
- Longitudinal stability
- Load anti-pitching

#### Adaptive Fork & Load Controls

- Lift/lower speed control system
- Lift/lower soft stops
- Tilt/reach soft stops
- Tilt speed/range control
- Overload arrest
- Soft mast transition system<sup>2</sup>
- Soft ceiling and floor

#### Additional Features

- Dynamically calculated max speeds and hydraulic functionality
- Controlled decelerations when cornering or making improper movements
- Display screen providing real-time information on truck performance

**VISIT US AT [HYSTER.COM](https://www.hyster.com) OR EMAIL [REACTION@HYSTER.COM](mailto:REACTION@HYSTER.COM) TO LEARN MORE.**

*Hyster Tracker™ Wireless Monitoring (Level 1) is required when ordering Hyster Reaction. VNA does not utilize ADS, but utilizes the existing truck control systems for stability control.*

<sup>1</sup> Not all ADS features are available for all truck types; for example, hydraulic function controls will not be available on a tow tractor.

<sup>2</sup> Only applies to masts with free lift cylinder.