

Linde Material Handling

*Linde*

Series 1347

**KION**  
GROUP

KION North America

## Series 1347

### Basic dimensions

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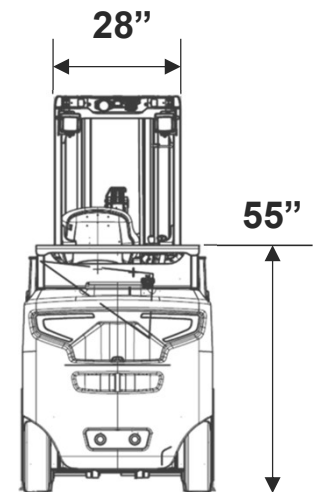


Standard: 88"  
Low: 84"



Width: 42.5" – 44.2"

E25C/E25CL: 7" drive tire  
All others: 8" drive tire



Overhead guard  
for drive-in rack

## Series 1347

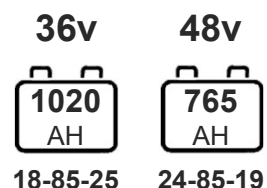
### Available models

#### Compact configuration (30")

Model	Capacity	Height	Length
<b>E25C</b>	5,000 lb	88"	85.2"
<b>E27C</b>	5,500 lb	88"	87.2"
<b>E30C</b>	6,000 lb	88"	87.6"

#### Battery arrangement

- Lift-out
- Slide-out
- Roll-out

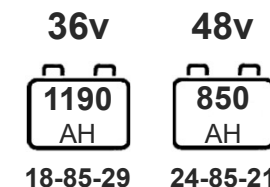


#### Long configuration (34")

Model	Capacity	Height	Length
<b>E25CL</b>	5,000 lb	88"	87.6"
<b>E27CL</b>	5,500 lb	88"	89.1"
<b>E30CL</b>	6,000 lb	88"	89.9"
<b>E32CL</b>	6,500 lb	88"	91.0"

#### Battery arrangement

- Lift-out
- Slide-out
- Roll-out



## Series 1347

### Battery exchange options



**Lift-out**



**Slide-out**



Adds 0.3" height  
(same battery)

**Roll-out**



Adds 0.4" height  
(same battery)

## Series 1347

### Operator compartment

#### Features

- Small diameter steering wheel
- Adjustable steering column
- Wide and deep storage compartment
- Ergonomics for wide range of drivers
- Full suspension seat with position, tilt, and weight adjustments
- Orange seat belt
- Twin pedal controls (standard)
- Single pedal controls (optional)



**Competition:** Non-suspension / semi-suspension



## Series 1347

### Operator compartment

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#### Features

- Front-position, mechanical hydraulic control levers
- Open space for right-side entry/exit
- Fingertip controls optional
- Accessory switches
- Low dashboard position for increased visibility
- Welded entry handle on overhead guard (both sides)
- All-metal step area
- Interactive display unit

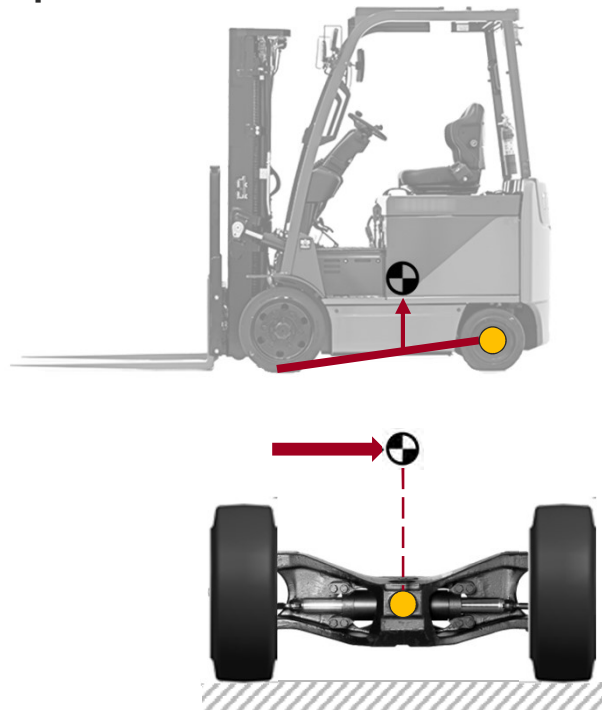


## Series 1347

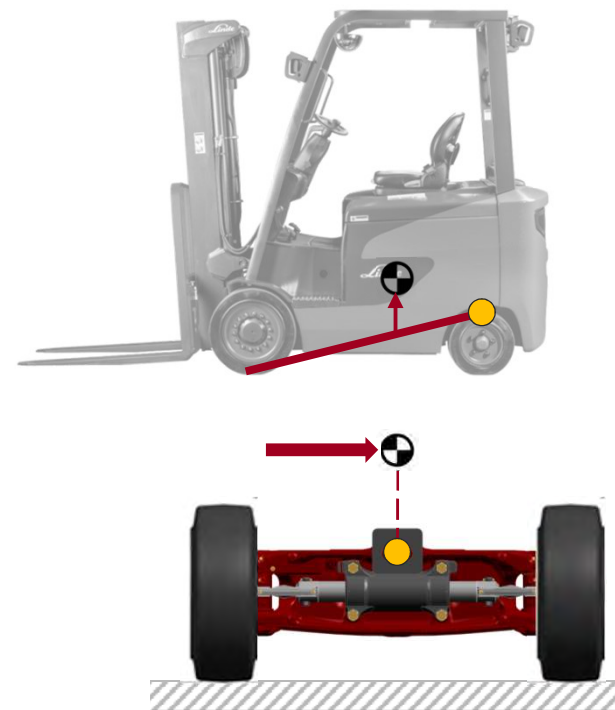
### Designed for stability



Competitor 4-wheel



Linde 1347

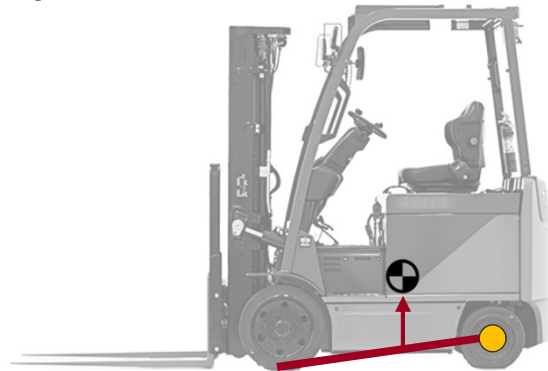


## Series 1347

### Designed for stability



#### Competitor 4-wheel

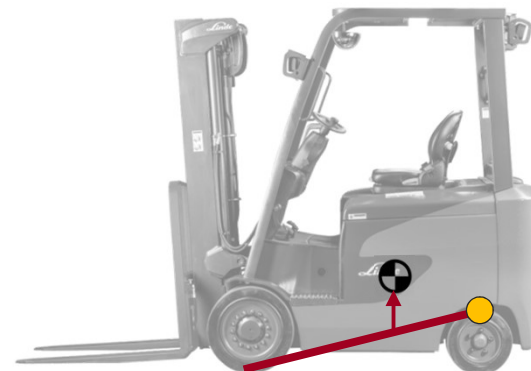


Lateral turning force →



Large twisting movement

#### Linde 1347



Lateral turning force →



Least twisting movement

## Series 1347

### Competitor stability systems on four-wheel units

- What are they?
- How do they operate?
- What is different about Linde?



#### Competitor stability systems

- Mechanical blocking of axle articulation to limit “body roll” (**poor design**)
- Competition addresses the symptom only. **Linde corrects the root cause.**
- Truck feels unstable at higher speeds.
- Increased productivity using Linde. **Stable feeling at higher speeds.**



## Series 1347

### Linde exclusive: Heavy-duty steering axle

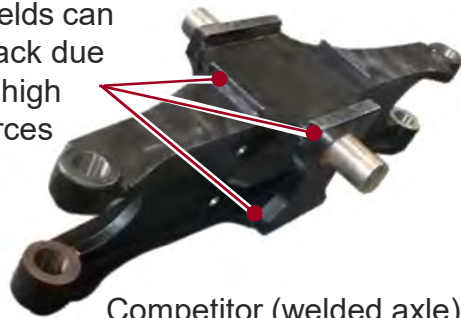


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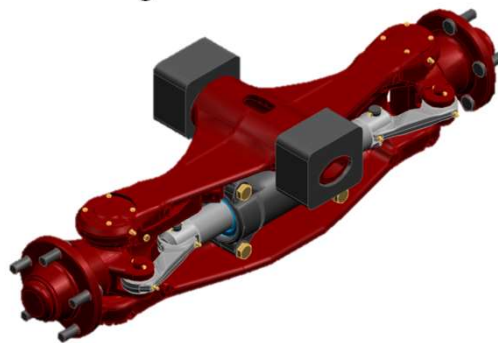
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- **One-piece, cast iron frame for unmatched durability**
- Heavy-duty connecting components
- High articulation point for stability
- Tight turning radius without tire scrubbing
- Easy access to grease points
- Protected components

Welds can  
crack due  
to high  
forces



Competitor (welded axle)



## Series 1347

### Steer axle comparison

#### Series 1347



- One-piece, cast iron frame
- Forged steel stub axle and kingpin

#### Competitor



- Welded plate frame
- Bolted connecting parts

## Common Features

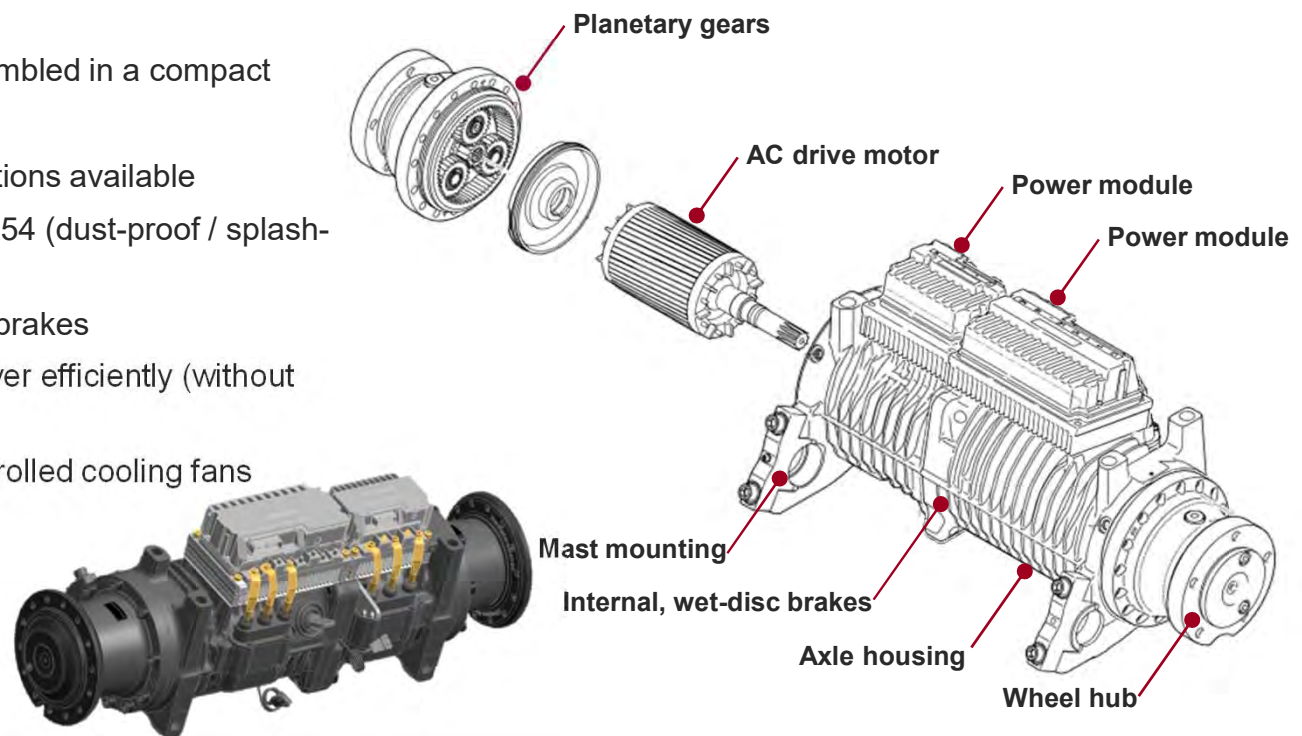
## Series 346 & 1347 – Common Features

### Linde exclusive: Compact drive unit



#### Technical features

- Dual in-line, AC motors assembled in a compact housing
- 36-volt and 48-volt configurations available
- Enclosed and protected to IP54 (dust-proof / splash-proof)
- Zero-maintenance, wet-disc brakes
- Planetary gears transmit power efficiently (without differential)
- Integrated, temperature-controlled cooling fans



## Series 346 & 1347 – Common Features

### Compact drive axle

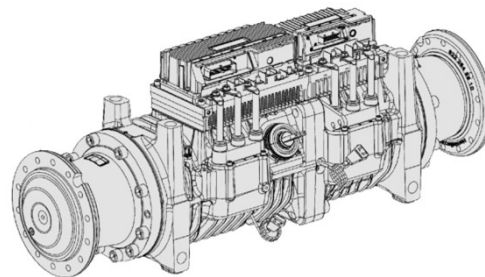


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#### Customer benefits

- Compact unit reduces part count for simpler maintenance
- Eliminates cost of brake failures and brake maintenance
- IP54 enclosure permits E-truck use in IC-truck environments
- Planetary gearing ensures optimized traction in all conditions
- Integrated fans support use in very hot environments
- Simple replacement of components through wheel ends



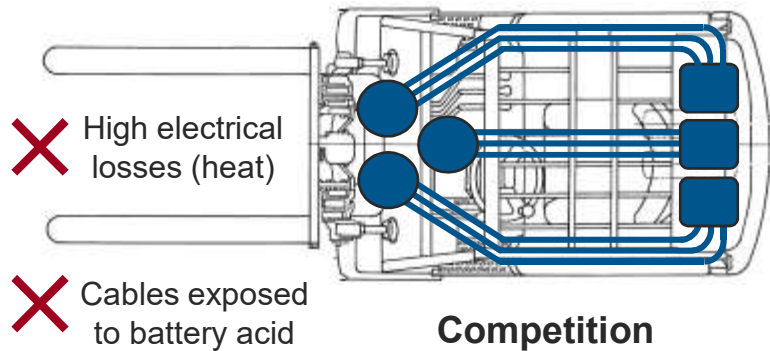
## Series 346 & 1347 – Common Features

### Electrical power modules



#### Customer benefits

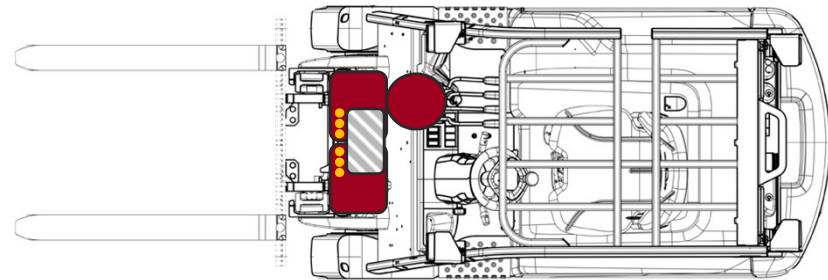
- **Highest energy-efficiency among competition**
- Lower heat generation (energy loss) means more energy available for working
- Eliminate cables that generate heat and energy loss
- Simple, uncluttered layout for easy service
- Dedicated cooling fans for use in hot environments



**Competition**



Very low  
electrical losses



**Series 1347**

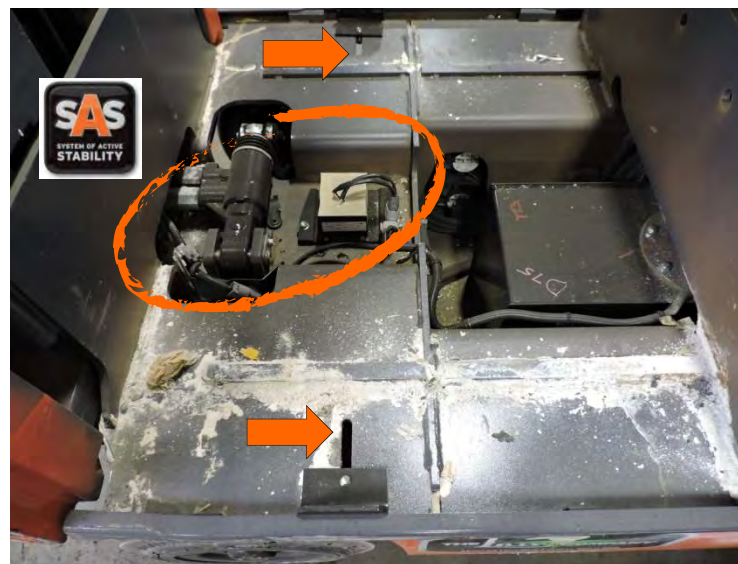
## Series 346 & 1347 – Common Features

### Reliability through good design

#### Series 1347



#### Competitor



\*Critical components under battery

## Series 346 & 1347 – Common Features

### Reliability through good design

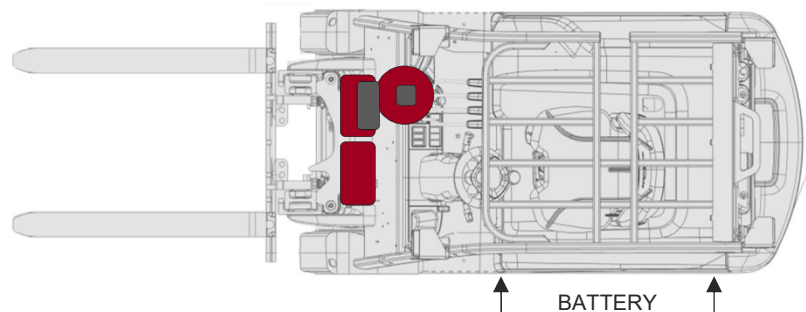
#### Features

- Protection of critical components
  - Parts within chassis for impact protection
  - Guarded from corrosive battery acid
- Short connection points; not routed through multiple chassis cut-outs.
- Technicians are not exposed to battery acid during service.

#### Series 1347

##### Mounted in forward compartment

Electronic power modules  
Cooling fans  
Pump / pump motor

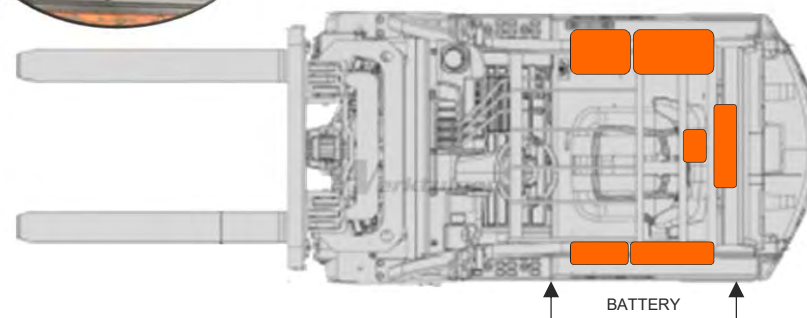


#### Competitor



##### Mounted under the battery

Electrical power modules  
Cooling fans  
Pump / pump motor  
Electronic stability system (SAS)



## Series 346 & 1347 – Common Features

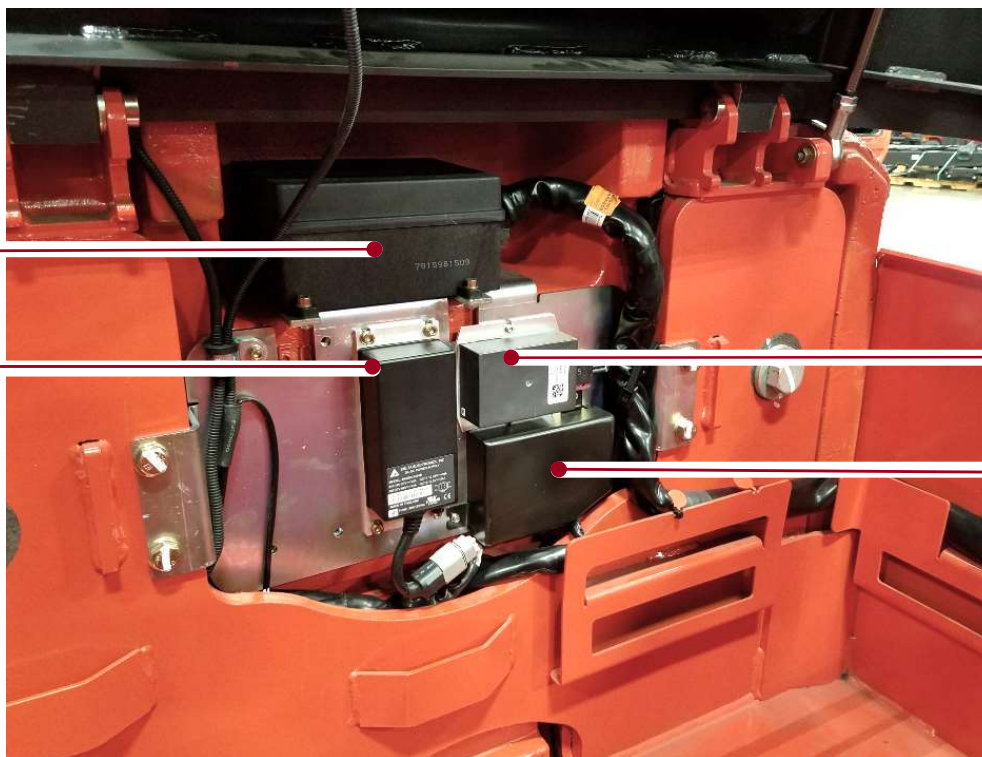
### Component locations

⚙️ Fuse box

⚙️ DC/DC  
converter

⚙️ DC/DC  
converter

⚙️ Charging  
circuit



## Series 346 & 1347 – Common Features

### Emergency power disconnection



#### Features

- Easy and fast to operate during an emergency
- **Keeps eyes ahead**
- Keeps left hand on steering wheel



Difficult to find  
during emergency

## Series 346 & 1347 – Common Features

### Curve Assist

- Standard equipment on Series 1347
- **Electronically-controlled reduction of speed while turning**
- Safer and more efficient operation with a **secure drive feeling**
- Reduced energy consumption and reduced tire wear
- Electronic differential control for stable traction in slippery conditions



## Series 346 & 1347 – Common Features

### Mast enhancements

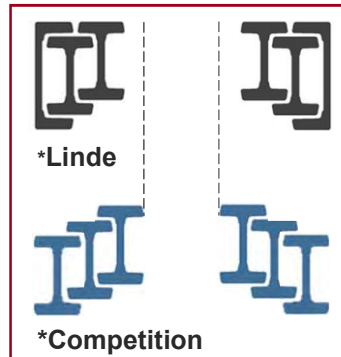


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#### Features

- Narrow rail configuration for increased viewing window
- Deep channel profile for high strength
- C-channel and interlocking I-beam for maximum strength
- Same mast across all capacities

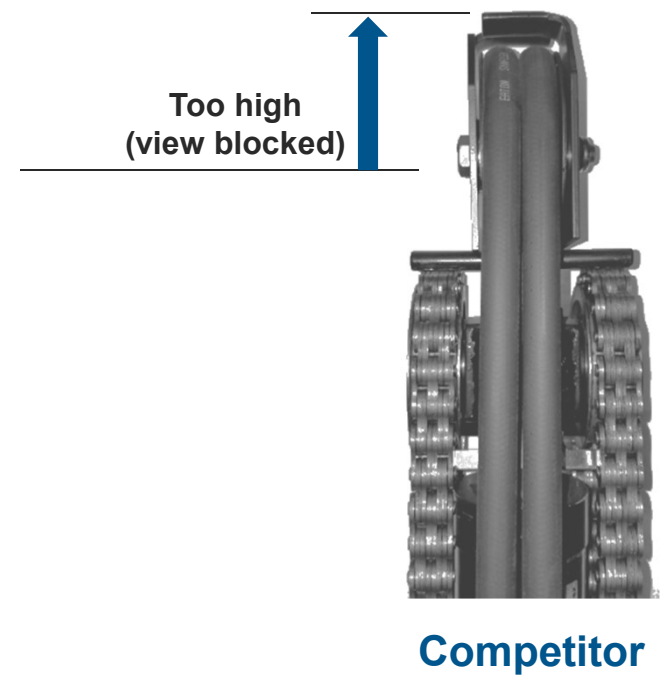
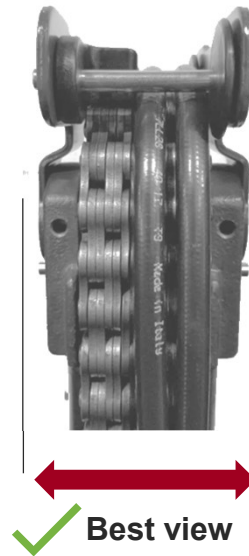
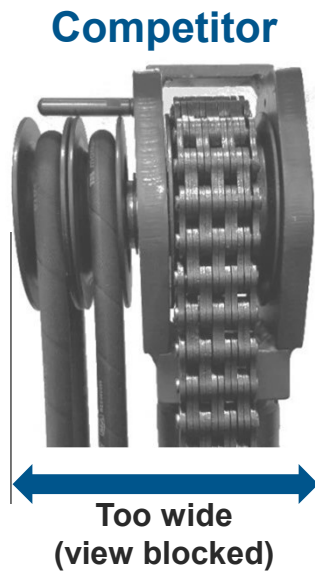


## Series 346 & 1347 – Common Features

### Auxiliary hose routing



- **Hoses-over-chains** configuration for auxiliary functions
- Single hose lines for individual replacement
- **BEST VISIBILITY**



## Series 346 & 1347 – Common Features

### Auxiliary hose lines

#### Features

- Single or double auxiliary functions
- Hose routing without large, metal guides
- Segmented design for easy replacement
- High-visibility concept
- Fast replacement of carriage-side hoses

