High hose storage
Engine cooling problems
Loss of compartment space
Broken noses
100 head stitches
High hose bed
Men enclosed
Ford / Darley
24 second electronic ladder
Too high to remove
Ladder in down position
Newer apparatus
Walk through
Roll up doors
Low hose bed
Easy loading
Tak-4 front end
Curb to curb measurement...
In this example, 56 ft. is the turning radius.
Curb to curb...
Notice curb to curb and wall to wall measurement
Original fire building
Original fire building
Original fire building
Opening roof of exposure
Exposure roof opening
Roof opening of exposure
Fire venting from opening
Taking off the last roof ladder
Removing roof ladders
Fire exposure
Opening roof
Exposed building
Turning Performance Analysis

Parameters:
- Inside Cramp Angle: 40.00°
- Axle Track: 82.92 in.
- Wheel Offset: 5.30 in.
- Tread Width: 17.80 in.
- Chassis Overhang: 68.99 in.
- Additional Bumper Depth: 19.00 in.
- Front Overhang: 87.99 in.
- Wheelbase: 230.00 in.

Calculated Turning Radii:
- Inside Turn: 21 ft. 8 in.
- Curb to Curb: 36 ft. 7 in.
- Wall to Wall: 40 ft. 9 in.

Comments:
- Aerial Application
- 75° Single Axle ladder

Components

<table>
<thead>
<tr>
<th>Component</th>
<th>PRIDE #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Axle</td>
<td>0515158</td>
<td>Axle, Front, Oshkosh TAK-4 w/ Lift &amp; Tow, Non Drive, 24,000 lb, DLX</td>
</tr>
<tr>
<td>Front Wheels</td>
<td>0019618</td>
<td>Wheels, Frt, Ahum, Alcoa, 22.50 x 13.00&quot; (425/445)</td>
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<tr>
<td>Front Tires</td>
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<td>Tires, Michelin, 445/65R22.50 20 ply XZY 3 tread (24,000 TAK 4)</td>
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<tr>
<td>Chassis</td>
<td>0054966</td>
<td>Arrow-XT Chassis, Aerials, 31K Single Axle (Big Block)</td>
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<tr>
<td>Front Bumper</td>
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<td>Bumper, 19&quot; extended - all chassis'</td>
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<tr>
<td>Aerial Device</td>
<td>0120993</td>
<td>Aerial, 75° Heavy Duty Ladder</td>
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</table>

Notes:
- Actual Inside Cramp Angle may be less due to highly specialized options.
- Curb to Curb turning radius calculated for a 9.00 inch curb.
Turning Performance Analysis

Parameters:
- Inside Cramp Angle: 40.00°
- Axle Track: 82.92 in.
- Wheel Offset: 5.30 in.
- Tread Width: 17.80 in.
- Chassis Overhang: 68.99 in.
- Additional Bumper Depth: 10.00 in.
- Front Overhang: 87.99 in.
- Wheelbase: 260.00 in.

Calculated Turning Radii:
- Inside Turn: 24 ft. 8 in.
- Curb to Curb: 40 ft. 5 in.
- Wall to Wall: 44 ft. 7 in.

Comments:
- 95° Midmount Ladder

Components:

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<tr>
<td>Front Axle</td>
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<td>Axle, Front, Oshkosh TAK-4 w/ Lift &amp; Tow, Non Drive, 24,000 lb, DLX</td>
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<tr>
<td>Front Wheels</td>
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<td>Wheels, Frt, Alum, Alcoa, 22.5&quot; 13.00&quot; (425/445)</td>
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<td>Tires, Michelin, 445/65R22.5 10 ply XZY 3 tread (24,000 TAK 4)</td>
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<td>Chassis</td>
<td>0054966</td>
<td>Arrow-XT Chassis, PAP/SkyArm/Midmount</td>
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<td>Front Bumper</td>
<td>0012245</td>
<td>Bumper, 19° extended - all chassis</td>
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<tr>
<td>Aerial Device</td>
<td>0009233</td>
<td>Aerial, 95° Pierce PAP, Mid Mount</td>
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Notes:
- Actual Inside Cramp Angle may be less due to highly specialized options.
- Curb to Curb turning radius calculated for a 9.00 inch curb.
Turning Performance Analysis

Parameters:
- Inside Cramp Angle: 40.00°
- Axle Track: 82.92 in.
- Wheel Offset: 5.30 in.
- Tread Width: 17.80 in.
- Chassis Overhang: 68.99 in.
- Additional Bumper Depth: 19.00 in.
- Front Overhang: 149.60 in.
- Wheelbase: 254.00 in.

Calculated Turning Radii:
- Inside Turn: 24 ft. 1 in.
- Curb to Curb: 39 ft. 8 in.
- Wall to Wall: 47 ft. 4 in.

Comments:
- Aerial Application
- 100' Platform

Components | PRIDE #  | Description
---|---|---
Front Axle | 0515158 | Axle, Front, Oshkosh TAK-4 w/ Lift & Tow, Non Drive, 24,000 lb, DLX
Front Wheels | 0019618 | Wheels, Frt, Alum, Alcoa, 22.50" x 13.00" (425/445)
Front Tires | 0078245 | Tires, Michelin, 445/65R22.50 20 ply XZY 3 tread (24,000 TAK 4)
Chassis | 0054968 | Arrow-XT Chassis, PAP/SkyArm/Midmount
Front Bumper | 0012245 | Bumper, 19" extended - all chassis'
Aerial Device | 0022160 | Aerial, 100' Pierce Platform

Notes:
Actual Inside Cramp Angle may be less due to highly specialized options.
Curb to Curb turning radius calculated for a 9.00 inch curb.
**Turning Performance Analysis**

Parameters:
- Inside Cramp Angle: 40.00°
- Axle Track: 82.92 in.
- Wheel Offset: 5.30 in.
- Tread Width: 17.80 in.
- Chassis Overhang: 68.99 in.
- Additional Bumper Depth: 10.00 in.
- Front Overhang: 87.99 in.
- Wheelbase: 245.00 in.

Calculated Turning Radii:
- Inside Turn: 23 ft. 2 in.
- Curb to Curb: 38 ft. 6 in.
- Wall to Wall: 42 ft. 8 in.

Comments:
- Aerial Application
- 105' Ladder

**Components**

<table>
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</thead>
<tbody>
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<td>Axle, Front, Oshkosh TAK-4 w/ Lift &amp; Tow, Non Drive, 24,000 lb, DLX</td>
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<tr>
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<td>Wheels, Frt. Alum. Alcoa, 22.50&quot; x 13.00&quot; (425/445)</td>
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<tr>
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<tr>
<td>Chassis</td>
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<td>Arrow-XT Chassis, Aerials/Tankers, Tandem, 48K (Big Block)</td>
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<td>Front Bumper</td>
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<td>Bumper, 19&quot; extended - all chassis'</td>
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<tr>
<td>Aerial Device</td>
<td>0120095</td>
<td>Aerial, 105' Heavy Duty Ladder</td>
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Notes:
- Actual Inside Cramp Angle may be less due to highly specialized options.
- Curb to Curb turning radius calculated for a 9.00 inch curb.