INTRAAX®
LOW-RIDE SPECIFICATIONS
AANLS 20K/AANL 23K/AAL 23K/
AAL 25K/AAL 30K/AAEDL 30K
LIT NO: L729
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TABLE OF CONTENTS
APPLICATIONS ...............................................................................................................................................2-5
SPECIFICATIONS
Axle ............................................................................................................................................................. 6
Brake Options ..............................................................................................................................................6
Brake Chambers ......................................................................................................................................... 6
Brake Adjusters ........................................................................................................................................... 6
RTR® READY-TO-ROLL® ......................................................................................................................... 6
Height Control Valve ............................................................................................................................... 6
Lift Mechanism ......................................................................................................................................... 6
AANLS 20K/AANL 23K/AAL 23K/AAL 25K/AAL 30K/AAEDL 30K SPECIFICATIONS

**CAPACITY**
20,000 lbs. suspension (9 100 kg)

**TRAILER TYPES**

<table>
<thead>
<tr>
<th>UNITED STATES &amp; CANADA</th>
<th>MEXICO, CENTRAL &amp; SOUTH AMERICA</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-highway</td>
<td>None</td>
</tr>
<tr>
<td>Autohauler</td>
<td></td>
</tr>
<tr>
<td>Drop-frame van</td>
<td></td>
</tr>
<tr>
<td>High-cube van</td>
<td></td>
</tr>
<tr>
<td>Pup van</td>
<td></td>
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</table>

**AXLE DATA**

<table>
<thead>
<tr>
<th>AXLE ARRANGEMENT</th>
<th>5-inch Axle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single; tandem up to 60-inch maximum spacing</td>
<td></td>
</tr>
</tbody>
</table>

**FRAME TYPES**

Steel, 96- or 102-inch wide trailers

**BASE MODEL DESCRIPTION**

INTRAAX® low-rise suspension 6.25-inch ride height, weld-on and winged frame brackets with QUIK-ALIGN®, 71.5-inch axle track, HN spindles, standard shock absorbers, 16.5 x 7-inch brakes with Abex 3030-197 brake lining and ABS brackets. Cam Tube System™ standard.

**BASE MODEL WEIGHT**

542 lbs.

**OTHER OPTIONS**

Include extended-service / high-damping shock absorbers, shock straps, rear-mounted shock absorbers. Ride heights ranging from 6.25 to 12 inches, as well as choices for 73, 75.5, 77.5, 83.5 and 85-inch axle track, HP spindles and dust shields. Contact your Hendrickson representative to discuss these and other options including a variety of RTR® READY-TO-ROLL® wheel-end packages and brake options including Hendrickson MAXX22T™ optimized trailer air disc brake and WABCO PAN19.

* Capacity refers to suspension and axle ratings. Ratings for brakes and wheel-end components differ depending upon options chosen.

**SPECIFICATIONS**

**SUSPENSION — AANLS 20K**

<table>
<thead>
<tr>
<th>RIDE HEIGHT (inches)</th>
<th>JOUNCE (inches)</th>
<th>REBOUND (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.25</td>
<td>1.9</td>
<td>5</td>
</tr>
<tr>
<td>7</td>
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<td>3.4</td>
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</tbody>
</table>


**AANLS 20K/AANL 23K/AAL 23K/AAL 25K/AAL 30K/AAEDL 30K SPECIFICATIONS**

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### AANL 23K

#### Capacity
23,000 lbs. suspension (10 400 kg)

#### Trailer Types

**UNITED STATES & CANADA**
- Drop deck
- Platform
- Double drop
- Dump — bottom discharge
- Tanker
- Grain
- Livestock
- Curtain side

**MEXICO, CENTRAL & SOUTH AMERICA**
- None

#### Axle Data
5.75-inch LDA™ Large-Diameter Axle

#### Axle Arrangement
Single; tandem up to 122-inch maximum spacing; tri- or quad-axle up to 144-inch maximum total spacing

#### Frame Types
Steel, aluminum or composite; 96- or 102-inch wide trailers

#### Base Model Description
INTRAAX® low-ride / liftable suspension 6.5-inch ride height, weld-on and winged frame brackets with QUIK-ALIGN®, 71.5-inch axle track, HN spindles, standard shock absorbers, 16.5 × 7-inch brakes with Abex 3030-197 brake lining and ABS brackets. Cam Tube System™ standard.

#### Base Model Weight
521 lbs.

#### Other Options
Include bolt-on frame brackets, extended-service / high-damping shock absorbers, shock straps and limited jounce travel. Ride heights ranging from 6.5 to 17 inches, as well as choices for 73, 75.5, 76.5, 77.5, 83.5 and 85-inch axle track, 16.5 × 8.625-inch brakes, HP spindles and dust shields. Contact your Hendrickson representative to discuss these and other options including a variety of RTR® READY-TO-ROLL® wheel-end packages and brake options including Hendrickson MAXX22T™ optimized trailer air disc brake.

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**Specifications**

**Suspension — AANL 23K**

<table>
<thead>
<tr>
<th>Ride Height (inches)</th>
<th>Jounce** (inches)</th>
<th>Rebound w/ Front Shocks (inches)</th>
<th>Rebound w/ Rear Shocks (inches)</th>
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</thead>
<tbody>
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<td>12</td>
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<table>
<thead>
<tr>
<th>Ride Height (inches)</th>
<th>Jounce** (inches)</th>
<th>Rebound w/ Front Shocks (inches)</th>
<th>Rebound w/ Rear Shocks (inches)</th>
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<tr>
<td>17</td>
<td>5.7</td>
<td>3.3</td>
<td>3.0</td>
</tr>
</tbody>
</table>

* Capacity refers to suspension and axle ratings. Ratings for brakes and wheel-end components differ depending upon options chosen.

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* For weld-on frame brackets only.
** Limited jounce dimensions. Refer to installation drawing.
AANLS 20K/AANL 23K/AAL 23K/AAL 25K/AAL 30K/AAEDL 30K SPECIFICATIONS

AAL 23K

CAPACITY
23,000 lbs. axle (10,400 kg)

TRAILER TYPES
UNITED STATES & CANADA
- Drop deck
- Platform
- Double drop
- Dump — bottom discharge
- Tanker
- Grain
- Livestock
- Curtain side

MEXICO, CENTRAL & SOUTH AMERICA
None

AAL 25K

CAPACITY
25,000 lbs. (11,300 kg)

TRAILER TYPES
UNITED STATES & CANADA
- Platform
- Lowboy
- Drop-deck
- Dump
- Tanker
- Grain
- Livestock
- Curtain side

MEXICO, CENTRAL & SOUTH AMERICA
- Van / reefer
- Drop-frame van
- Autohauler
- Container chassis
- Platform
- Lowboy
- Drop-deck
- Grain
- Livestock
- Curtain side

AXLE DATA
- 5.75-inch LDA™ Large-Diameter Axle

AXLE ARRANGEMENT
- Single; tandem up to 122-inch maximum spacing;
- tri- or quad-axle up to 144-inch maximum total spacing

FRAME TYPES
- Steel, aluminum or composite; 96- or 102-inch wide trailers

BASE MODEL DESCRIPTION
- INTRAAX® low-ride/liftable suspension
- 6.5-inch ride height, weld-on and winged frame brackets with QUIK-ALIGN®, 71.5-inch axle track, HN spindles, standard shock absorbers,
- 16.5 × 7-inch brakes with Abex 3030-197 brake lining and ABS brackets.
- Cam Tube System™ standard.

BASE MODEL WEIGHT
- 570 lbs.
- 586 lbs.

OTHER OPTIONS
- Include wingless and bolt-on frame brackets, shock straps, rear-mounted shock absorbers, rebound limiters, limited jounce travel and HIGH CONTROL. Ride heights ranging from 6.5 to 19 inches, as well as choices for 73, 75.5, 76.5, 77.5, 83.5 and 85-inch axle track, 15 × 8.625-inch brakes (5" axle), HP spindles and dust shields. Contact your Hendrickson representative to discuss these and other options available, such as a variety of RTR® READY-TO-ROLL® wheel-end packages and brake options including Hendrickson MAXX22T™ optimized trailer air disc brake.

* Capacity refers to suspension and axle ratings, except where noted. Ratings for brakes and wheel-end components differ depending upon options chosen.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>RIDE HEIGHT (inches)</th>
<th>JOUCHE' (inches)</th>
<th>REBOUND w/ FRONT SHOCKS (inches)</th>
<th>REBOUND w/ REAR SHOCKS (inches)</th>
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<tbody>
<tr>
<td>6.5</td>
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<th>RIDE HEIGHT (inches)</th>
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<tr>
<td>19</td>
<td>5.3</td>
<td>3.6</td>
<td>3.4</td>
</tr>
</tbody>
</table>

' Limited jounce dimensions. Refer to installation drawing.
**AANLS 20K/AANL 23K/AAL 23K/AAL 25K/AAL 30K/AAEDL 30K SPECIFICATIONS**

### *Capacity*

- **AAL 30K**: 30,000 lbs. suspension (13,600 kg)
- **AAL 30K (Extreme Duty)**: 30,000 lbs. (13,600 kg)

### Tractor Types

- **United States & Canada**
  - Platform
  - Drop deck
  - Lowboy
  - Dump
  - Curtain side
- **Mexico, Central & South America**
  - Van / reefer
  - Platform
  - Drop deck
  - Lowboy
  - Dump
  - Curtain side

### Axle Data

- **AAL 30K**: 5.75-inch LDA™ Large-Diameter Axle
- **AAEDL 30K**: 5-inch Axle

### Axle Arrangement

- Single; tandem up to 122-inch maximum spacing; tri- or quad-axle up to 144-inch maximum total spacing

### Frame Types

- Steel, aluminum or composite; 96- or 102-inch wide trailers

### Base Model Description

**INTRAAX®** low-ride suspension 9-inch ride height, weld-on and winged frame brackets with QUIK-ALIGN®, 71.5-inch axle track, HN spindles (AAL 30K) or HP spindles (AAEDL 30K), standard (AAL 30K) or extended service/high-damping (AAEDL 30K) shock absorbers, 16.5 × 7-inch brakes with Abex 3030-197 brake lining and ABS brackets. Cam Tube System™ standard.

### Base Model Weight

- **AAL 30K**: 612 lbs.
- **AAEDL 30K**: 662 lbs.

### Other Options

Include wingless and bolt-on frame brackets, shock straps, rear-mounted shock absorbers, rebound limiters, limited jounce travel (AAL 30K) and HIGH CONTROL. Ride heights ranging from 9 to 19 inches, as well as choices for 73, 75.5, 76.5, 77.5, 83.5 and 85-inch axle track, HP spindles (AAL 30K) and dust shields. Contact your Hendrickson representative to discuss these and other options available, such as a variety of RTR® READY-TO-ROLL® wheel-end packages and brake options. Air disc brakes available including Hendrickson MAXX22T™ optimized trailer air disc brakes for AAL 30K only.

* Capacity refers to suspension and axle ratings, except where noted. Ratings for brakes and wheel-end components differ depending upon options chosen.

### Specifications

#### Suspension — AAL 30K

<table>
<thead>
<tr>
<th>Ride Height (inches)</th>
<th>Jounce (inches)</th>
<th>rebound w/ Front Shocks (inches)</th>
<th>Rebound w/ Rear Shocks (inches)</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>19</td>
<td>5.1</td>
<td>3.5</td>
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</table>

#### Suspension — AAEDL 30K

<table>
<thead>
<tr>
<th>Ride Height (inches)</th>
<th>Jounce (inches)</th>
<th>rebound w/ Front Shocks (inches)</th>
<th>Rebound w/ Rear Shocks (inches)</th>
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<td>5.7</td>
<td>3.4</td>
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</tr>
</tbody>
</table>

1 Limited jounce dimensions. Refer to installation drawing.
HENDRICKSON MAXX22T™
Hendrickson trailer air disc brake system specifically designed to optimize performance for North American trailer applications, with WABCO brake technology, features premium offerings including the lightweight Dura-Light Hub® option, TIREMAAX®, and RTR® READY-TO-ROLL® wheel-end packages.

RTR® READY-TO-ROLL®
Choose from a broad mix of offerings to customize running gear for your specific application. Wheel-end options consist of aluminum, ductile iron or Dura-Light Hub® in a variety of standard and extended service wheel-end packages.

BRAKE OPTIONS
For complete details on the wide range of brake options available, including lining choices, brake ratings and FMVSS/CMVSS 121 brake certifications, refer to Hendrickson publication L809 Brake Certifications.

BRAKE CHAMBERS
Industry standard brake chambers with push rod length of 5.63 inches and clamping / port orientation of zero degrees are compatible.

BRAKE ADJUSTERS
Industry standard 5.5- and 6-inch brake adjusters are compatible.

HEIGHT CONTROL VALVE KITS
For complete details on available height control valve kits, refer to Hendrickson publication L1182 Controls Parts Catalog.

LIFT MECHANISM
UBL™ UNDER BEAM LIFT™ and air controls sold separately, refer to Hendrickson publication L727 UBL UNDER BEAM LIFT Flyer.

### BEARINGS

<table>
<thead>
<tr>
<th>SPINDLE TYPE</th>
<th>TUBE O.D. (inches)</th>
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