



LOW-RIDE SPECIFICATIONS

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

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AANLS 20K

| | | |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| *CAPACITY | 20,000 lbs. suspension (9 100 kg) | |
| TRAILER TYPES | UNITED STATES & CANADA On-highway Autohauler Drop-frame van High-cube van Pup van | MEXICO, CENTRAL & SOUTH AMERICA None |
| AXLE DATA | 5-inch Axle | |
| AXLE ARRANGEMENT | Single; tandem up to 60-inch maximum spacing | |
| FRAME TYPES | Steel, 96- or 102-inch wide trailers | |
| BASE MODEL DESCRIPTION | INTRAAX® low-ride 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 H20 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, 76.5, 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

| RIDE HEIGHT (inches) | JOUNCE (inches) | REBOUND (inches) |
|-----------------------------|------------------------|-------------------------|
| 6.25 | 1.9 | 5 |
| 7 | 2.7 | 4.3 |
| 9 | 2.9 | 3.8 |
| 12 | 3.4 | 3.4 |



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



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 H2O 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. | |

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

SPECIFICATIONS*

SUSPENSION — AANL 23K

| RIDE HEIGHT (inches) | JOUNCE** (inches) | REBOUND w/ FRONT SHOCKS (inches) | REBOUND w/ REAR SHOCKS (inches) | RIDE HEIGHT (inches) | JOUNCE** (inches) | REBOUND w/ FRONT SHOCKS (inches) | REBOUND w/ REAR SHOCKS (inches) |
|----------------------|-------------------|----------------------------------|---------------------------------|----------------------|-------------------|----------------------------------|---------------------------------|
| 6.5 | 2.1 | 5.0 | 4.7 | 14 | 5.6 | 4.3 | 3.9 |
| 7.5 | 3.1 | 4.0 | 3.7 | 15 | 5.3 | 3.3 | 4.1 |
| 8 | 3.6 | 5.2 | 4.4 | 16 | 5.4 | 4.3 | 4.0 |
| 9 | 4.6 | 4.2 | 3.4 | 17 | 5.7 | 3.3 | 3.0 |
| 12 | 5.1 | 4.5 | 3.2 | | | | |

* For weld-on frame brackets only.

** Limited jounce dimensions. Refer to installation drawing.



AAL 23K



AAL 25K

| | | | | |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| *CAPACITY | 23,000 lbs. axle (10 400 kg) | | 25,000 lbs. (11 300 kg) | |
| TRAILER TYPES | UNITED STATES & CANADA | MEXICO, CENTRAL & SOUTH AMERICA | UNITED STATES & CANADA | MEXICO, CENTRAL & SOUTH AMERICA |
| | Drop deck Platform Double drop Dump — bottom discharge Tanker Grain Livestock Curtain side | None | Platform Lowboy Drop-deck Dump Tanker Grain Livestock Curtain side | 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 /liffable 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 x 7-inch brakes with H2O 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 x 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

SUSPENSION — AAL 23K / AAL 25K



| RIDE HEIGHT (inches) | JOUNCE ¹ (inches) | REBOUND w/ FRONT SHOCKS (inches) | REBOUND w/ REAR SHOCKS (inches) |
|----------------------|------------------------------|----------------------------------|---------------------------------|
| 6.5 | 2.0 | 4.6 | 4.0 |
| 7.5 | 3.0 | 3.6 | 3.0 |
| 8 | 3.5 | 5.3 | 4.7 |
| 9 | 4.5 | 4.3 | 3.7 |
| 12 | 4.9 | 4.9 | 3.5 |

| RIDE HEIGHT (inches) | JOUNCE ¹ (inches) | REBOUND w/ FRONT SHOCKS (inches) | REBOUND w/ REAR SHOCKS (inches) |
|----------------------|------------------------------|----------------------------------|---------------------------------|
| 14 | 5.5 | 4.5 | 4.2 |
| 15 | 5.8 | 3.5 | 3.2 |
| 16 | 5.3 | 4.4 | 4.3 |
| 17 | 5.5 | 3.4 | 3.3 |
| 19 | 5.3 | 3.6 | 3.4 |

¹ Limited jounce dimensions. Refer to installation drawing.



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

| | | | | |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| |  AAL 30K | |  AAEDL 30K (Extreme Duty) | |
| *CAPACITY | 30,000 lbs. suspension (13 600 kg) 25,000 lbs. axle (11 300 kg) | | 30,000 lbs. (13 600 kg) | |
| TRAILER TYPES | UNITED STATES & CANADA | MEXICO, CENTRAL & SOUTH AMERICA | UNITED STATES & CANADA | MEXICO, CENTRAL & SOUTH AMERICA |
| | Platform Drop deck Lowboy Dump Curtain side | Van/reefer Platform Drop deck Lowboy Dump Curtain side | Logger Chip van Dump | Platform Drop deck Tanker Dump Logger Sugar cane hauler |
| AXLE DATA | 5.75-inch LDA™ Large-Diameter Axle | | 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 H2O brake lining and ABS brackets. Cam Tube System™ standard. | | | |
| BASE MODEL WEIGHT | 612 lbs. | | 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

| RIDE HEIGHT (inches) | JOUNCE ¹ (inches) | REBOUND w/ FRONT SHOCKS (inches) | REBOUND w/ REAR SHOCKS (inches) |
|----------------------|------------------------------|----------------------------------|---------------------------------|
| 9 | 4.0 | 4.2 | 3.7 |
| 12 | 4.7 | 4.8 | 3.5 |
| 14 | 5.3 | 4.4 | 4.2 |
| 15 | 5.7 | 3.4 | 3.2 |
| 16 | 5.1 | 4.3 | 4.3 |
| 17 | 5.4 | 3.3 | 3.3 |
| 19 | 5.1 | 3.5 | 3.4 |

SUSPENSION — AAEDL 30K

| RIDE HEIGHT (inches) | JOUNCE (inches) | REBOUND w/ FRONT SHOCKS (inches) | REBOUND w/ REAR SHOCKS (inches) |
|----------------------|-----------------|----------------------------------|---------------------------------|
| 9 | 4.6 | 4.0 | 3.7 |
| 12 | 5.3 | 4.6 | 3.4 |
| 14 | 5.9 | 4.3 | 4.2 |
| 15 | 5.6 | 3.3 | 3.2 |
| 16 | 5.7 | 4.2 | 4.3 |
| 17 | 6.0 | 3.2 | 3.3 |
| 19 | 5.7 | 3.4 | N/A |

¹ Limited jounce dimensions. Refer to installation drawing.



BEARINGS

| SPINDLE TYPE | TUBE O.D. (inches) | BEARINGS | | | |
|--------------|--------------------|------------|------------|-----------|-----------|
| | | INNER CONE | OUTER CONE | INNER CUP | OUTER CUP |
| HN | 5.0 | HM218248 | HM212049 | HM218210 | HM212011 |
| | 5.75 | | | | |
| HP | 5.0 | HM518445 | HM518445 | HM518410 | HM518410 |
| | 5.75 | | | | |

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. The Outboard Mounted Rotor is an available option for units that specify HXL7® Extended-Life 7-Year System™ with MAXX22T air disc brakes. Refer to L1239 MAXX22T Flyer for more information.

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*.

*Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.
All applications must comply with applicable Hendrickson specifications and must be approved by the respective vehicle manufacturer with the vehicle in its original, as-built configuration.
Contact Hendrickson for additional details regarding specifications, applications, capacities, and operation, service and maintenance instructions.*

Call Hendrickson at 330.489.0045 or 866.RIDEAIR (743.3247) for additional information.



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