



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

LIT NO: L729

DATE: February 2008

REVISION: E



TABLE OF CONTENTS

APPLICATIONS	2-5
SPECIFICATIONS	
Suspensions — AANLS 20K / AANL 23K / AAL 23K / AAL 25K / AAL 30K / AAEDL 30K	2-5
Axle	6
Brake Options	6
Brake Chambers	6
Brake Adjusters	6
READY-TO-ROLL® (RTR®)	6
Height Control Valve	6
Lift Mechanism	6



AANLS 20K

*CAPACITY	20,000 lbs. (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 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 / axle, 6.25-inch ride height, weld-on 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	546 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 or HUS® spindles and dust shields. Contact your Hendrickson representative to discuss these and other options including a variety of READY-TO-ROLL® (RTR®) brake and wheel-end packages.	

*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	2.6	4.3
9	2.8	3.8
12	3.3	3.4



AANL 23K

*CAPACITY	23,000 lbs. (10 400 kg)	
TRAILER TYPES	UNITED STATES & CANADA Drop deck Platform Lowboy Dump — bottom discharge Tanker Grain Livestock Curtain side	MEXICO, CENTRAL & SOUTH AMERICA None
AXLE DATA	5.75-inch large-diameter axle (LDA™)	
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 / axle, 6.5-inch ride height, weld-on, 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	518 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 x 8.625-inch brakes, HP or HUS® spindles and dust shields. Contact your Hendrickson representative to discuss these and other options including a variety of READY-TO-ROLL® (RTR®) brake and wheel-end packages.	

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

SUSPENSION — AANL 23K

SPECIFICATIONS

RIDE HEIGHT (inches)	JOUNCE ¹ (inches)	REBOUND (inches)
6.5	2.1	5.0
7.5	3.1	4.0
8	3.5	5.2
9	4.6	4.2
12	5.0	4.6

RIDE HEIGHT (inches)	JOUNCE ¹ (inches)	REBOUND (inches)
14	5.6	4.4
15	5.3	3.4
16	5.4	4.3
17	5.7	3.3

¹ Limited jounce is also available

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



AAL 23K



AAL 25K

*CAPACITY	23,000 lbs (10 400 kg)		25,000 lbs. (11.3T)	
TRAILER TYPES	UNITED STATES & CANADA Drop deck Platform Lowboy Dump — bottom discharge Tanker Grain Livestock Curtain side	MEXICO, CENTRAL & SOUTH AMERICA None	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 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 / axle, 6.5-inch ride height, weld-on, 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	592 lbs.		601 lbs.	
OTHER OPTIONS	Include wingless and bolt-on frame brackets, extended-service / high-damping shock absorbers, 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, HP or HUS® spindles and dust shields. Contact your Hendrickson representative to discuss these and other options such as a variety of READY-TO-ROLL® (RTR®) brake and wheel-end packages including air disc brakes.			

*Capacity refers to suspension and axle ratings. 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 (inches)
6.5	2.3	4.5
7.5	3.3	3.5
9	4.8	4.2
12	5.3	4.8
14	5.9	4.4

RIDE HEIGHT (inches)	JOUNCE ¹ (inches)	REBOUND (inches)
15	5.6	3.4
16	5.7	4.3
17	6.0	3.3
19	5.7	3.5

¹ Limited jounce is also available

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 Platform Drop deck Lowboy Dump	MEXICO, CENTRAL & SOUTH AMERICA Van / reefer Platform Drop deck Lowboy Curtain side	UNITED STATES & CANADA Logger Chip van Dump	MEXICO, CENTRAL & SOUTH AMERICA Platform Drop deck Tanker Dump Logger Sugar cane hauler
AXLE ARRANGEMENT	Single; tandem up to 122-inch maximum tandem 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 / axle, 9-inch ride height, weld-on, 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 x 7-inch brakes with Abex 3030-197 brake lining and ABS brackets. Cam Tube System™ standard.			
BASE MODEL WEIGHT	644 lbs.		664 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, 15 x 8.625-inch brakes (AAL 30K), HP spindles (AAL 30K) and dust shields. Contact your Hendrickson representative to discuss these and other options available, such as a variety of READY-TO-ROLL® (RTR®) brake and wheel-end packages including air disc brakes.			

*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 (inches)
9	4.5	4.2
12	5.3	4.8
14	5.9	4.4
15	5.6	3.4
16	5.7	4.3
17	6.0	3.3
19	5.7	3.5

SUSPENSION — AAEDL 30K

RIDE HEIGHT (inches)	JOUNCE (inches)	REBOUND (inches)
9	4.6	4.0
12	5.3	4.6
14	5.9	4.3
15	5.6	3.3
16	5.7	4.2
17	6.0	3.2
19	5.7	3.4

¹Limited jounce is also available

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

AXLE

SPINDLE TYPE	SUSPENSION MODEL	TUBE O.D. (inches)	BEARINGS			
			INNER CONE	OUTER CONE	INNER CUP	OUTER CUP
HN	AANLS 20K AAL 23K AAL 25K / 30K	5.0	HM218248	HM212049	HM218210	HM212011
	AANL 23K	5.75				
HP	AANLS 20K AAL 23K AAL 25K / 30K AAEDL 30K	5.0	HM518445	HM518445	HM518410	HM518410
	AANL 23K	5.75				
HUS®	AANLS 20K AAL 23K AAL 25K	5.0	SEALED HUB	SEALED HUB	SEALED HUB	SEALED HUB
	AANL 23K	5.75				

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 Specifications*.

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.

READY-TO-ROLL® (RTR®)

Choose from a broad mix of offerings to customize running gear for your specific application. Wheel-end options consist of aluminum, ductile iron or ADI in a variety of standard and extended service packages.

HEIGHT CONTROL VALVE KITS

For complete details on available height control valve kits, refer to Hendrickson publication *L575 Height Control Valve Application Table*.

LIFT MECHANISM

UNDER BEAM LIFT™ (UBL™) and air controls sold separately, refer to Hendrickson publication *L727 Under Beam Lift (UBL) Flyer*.

www.hendrickson-intl.com



Trailer Suspension Systems
250 Chrysler Drive, Unit #3
Brampton, ON Canada L6S 6B6
905.789.1030
Fax 905.789.1033

Trailer Suspension Systems 866.RIDEAIR (743.3247)
2070 Industrial Place SE 330.489.0045
Canton, OH 44707-2641 USA Fax 800.696.4416

Trailer Suspension Systems
Av. Industria Automotriz #200
Parque Industrial Stiva Aeropuerto
Apodaca, N.L., México C.P. 66600
(52) 81 8288 1300
Fax (52) 81 8288 1301