HKANT 23K/40K/46K/69K23/ HKAT 50K/69K25/HKANL 23K/ and HKARL 46K Specifications

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HKANL 23K

SYSTEM CAPACITY*	23,000 lbs. (10 400 kg)
APPLICATION	On-highway or maintained roads; not available in "high control" for single-axle, multi-trailer applications
TRAILER TYPES ^{1,2}	U.S.A. and Canada: Dry, refrigerated and specialty van Mexico, Central and South America: None
AXLE DATA	Diameter: 5.75-inch LDA [™] Large-Diameter Axle Arrangement: Single Track: 71.5-, 77.5- and 83.5-inch Spread: N/A
FRAME TYPES	Steel only: 96- and 102-inch wide trailers (42-, 48- and 54-inch wide slider boxes)
BASE MODEL DESCRIPTION	VANTRAAX® HKANL 23K slider suspension system consisting of 48-inch wide slider box with 16- or 17-inch ride height suspension, 77.5-inch axle track, HN spindles, 16.5- × 7-inch brakes with Abex 3030-197 brake lining, ABS brackets, QUIK-ALIGN® pivot connection, QUIK-DRAW® pin-pull mechanism and standard Cam Tube System™.

* System capacity refers to the suspension, axle and slider. Ratings for brakes and wheel-end components differ depending upon options chosen.

1. Review tire clearance. Wheel cut outs may be necessary.

2. Trailer body rails must be able to support the lifted VANTRAAX System.

AXLE SPREAD (inches)	RIDE HEIGHT (inches)	SYSTEM HEIGHT (inches)	FRONT AXLE LOCATION (inches)	JOUNCE (inches)	REBOUND (inches)	WEIGHT (pounds)
N/A	16	24.25	28.1	5.5	4.3	857
IV/A	17	25.25	27.9	6.5	3.3	857

Note: Weight includes 48-inch wide slider, suspension, HN LDA™ Large-Diameter Axle (5.75-inch) and foundation brake components (body rail weights not included). For a 42-inch wide slider system, deduct 21 pounds. For a 54-inch wide slider system, add 23 pounds. For fixed-pin option, deduct 8 pounds. Does not include box shims.



HKANT 23K

SYSTEM CAPACITY*	23,000 lbs. (10 400 kg)	
APPLICATION	On-highway or maintained roads; not available in "high control" for single-axle, multi-trailer applications	
TRAILER TYPES	U.S.A. and Canada: Dry, refrigerated and specialty van Mexico, Central and South America: None	
AXLE DATA	Diameter: 5.75-inch LDA [™] Large-Diameter Axle Arrangement: Single Track: 71.5-, 77.5- and 83.5-inch Spread: N/A	
FRAME TYPES	Steel only: 96- and 102-inch wide trailers (42-, 48- and 54-ir	nch wide slider boxes)
BASE MODEL DESCRIPTION	VANTRAAX® HKANT 23K slider suspension system consisting with 16-inch ride height suspension, 77.5-inch axle track, H brakes with Abex 3030-197 brake lining, ABS brackets, QUI QUIK-DRAW® pin-pull mechanism and standard Cam Tube S	N spindles, 16.5- × 7-inch (-ALIGN [®] pivot connection,

*System capacity refers to the suspension, axle and slider. Ratings for brakes and wheel-end components differ depending upon options chosen.

AXLE SPREAD (inches)	RIDE HEIGHT (inches)	SYSTEM HEIGHT (inches)	FRONT AXLE LOCATION (inches)	JOUNCE (inches)	REBOUND (inches)	WEIGHT (pounds)
N/A	16	24.25	28.4	2.8	4.5	785
IN/A	17	25.25	28.0	2.8	3.5	787

Note: Weight includes 48-inch wide slider, suspension, HN LDA[™] Large-Diameter Axle (5.75-inch) and foundation brake components (body rail weights not included). For a 42-inch wide slider system, deduct 19 pounds. For a 54-inch wide slider system, add 24 pounds. For fixed-pin option, deduct 8 pounds. Does not include box shims.



HKANT 40K

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SYSTEM CAPACITY*	40,000 lbs. (18 000 kg)			
APPLICATION	On-highway			
TRAILER TYPES	U.S.A. and Canada: Dry and refrigerated van Mexico, Central and South America: None			
AXLE DATA	Diameter: 5.75-inch LDA [™] Large-Diameter Axle Arrangement: Tandem Track: 71.5-, 77.5- and 83.5-inch Spread: 49-inch			
FRAME TYPES	Steel only: 96- and 102-inch wide trailers (42-, 48- and 54-ir	nch wide slider boxes)		
BASE MODEL DESCRIPTION	VANTRAAX® HKANT 40K slider suspension system consisting wide slider box with two 16-inch ride height suspensions, 77. 16.5- × 7-inch brakes with Abex 3030-197 brake lining, ABS connection, QUIK-DRAW® pin-pull mechanism and standard	5-inch axle track, HN spindles, 5 brackets, QUIK-ALIGN® pivot		

*System capacity refers to the suspensions, axles and slider. Ratings for brakes and wheel-end components differ depending upon options chosen.

AXLE SPREAD (inches)	RIDE HEIGHT (inches)	SYSTEM HEIGHT (inches)	FRONT AXLE LOCATION (inches)	JOUNCE (inches)	REBOUND (inches)	WEIGHT (pounds)
40	16	24.25	28.4	2.9	4.5	1,394
49	17	25.25	28.0	2.9	3.5	1,398

Note: Weight includes 48-inch wide slider, suspensions, HN LDA™ Large-Diameter Axle (5.75-inch) and foundation brake components (body rail weights not included). For a 42-inch wide slider system, deduct 33 pounds. For a 54-inch wide slider system, add 33 pounds. For manual pin-pull mechanism, add 13 pounds. Does not include SURELOK® or box shims.



HKANT 46K

SYSTEM CAPACITY*	46,000 lbs. (20 700 kg)		
APPLICATION	On-highway or maintained roads		
TRAILER TYPES	U.S.A. and Canada: Dry, refrigerated and specialty van Mexico, Central and South America: None		
AXLE DATA	Diameter: 5.75-inch LDA [™] Large-Diameter Axle Arrangement: Tandem Track: 71.5-, 77.5- and 83.5-inch Spread: 49-inch		
FRAME TYPES	Steel only: 96- and 102-inch wide trailers (42-, 48- and 54-ir	nch wide slider boxes)	
BASE MODEL DESCRIPTION	VANTRAAX® HKANT 46K slider suspension system consisting wide slider box with two 16-inch ride height suspensions, 77. 16.5- × 7-inch brakes with Abex 3030-197 brake lining, ABS connection, QUIK-DRAW® pin-pull mechanism and standard	5-inch axle track, HN spindles, 6 brackets, QUIK-ALIGN® pivot	

*System capacity refers to the suspensions, axles and slider. Ratings for brakes and wheel-end components differ depending upon options chosen.

AXLE SPREAD (inches)	RIDE HEIGHT (inches)	SYSTEM HEIGHT (inches)	FRONT AXLE LOCATION (inches)	JOUNCE (inches)	REBOUND (inches)	WEIGHT (pounds)
49	16	24.25	28.4	2.8	5.5	1,405
49	17	25.25	28.0	2.8	4.5	1,409

Note: Weight includes 48-inch wide slider, suspensions, HN LDA™ Large-Diameter Axle (5.75-inch) and foundation brake components (body rail weights not included). For a 42-inch wide slider system, deduct 33 pounds. For a 54-inch wide slider system, add 33 pounds. For manual pin-pull mechanism, add 13 pounds. Does not include SURELOK® or box shims.



SYSTEM CAPACITY*	46,000 lbs. (20 700 kg)	
APPLICATION	On-highway or maintained roads	6.3.5- 20
TRAILER TYPES	U.S.A. and Canada: Dry, refrigerated and specialty van Mexico, Central and South America: None	
AXLE DATA	Diameter: 5.75-inch LDA [™] Large-Diameter Axle Arrangement: Tandem Track: 77.5- and 83.5-inch Spread: 121-inch	
FRAME TYPES	Steel only: 102-inch wide trailers (48- and 54-inch wide sl	ider boxes)
BASE MODEL DESCRIPTION	VANTRAAX® HKANT 46K slider suspension system consistin wide slider box with two 16-inch ride height suspensions, 7 16.5- × 7-inch brakes with Abex 3030-197 brake lining, A connection, QUIK-DRAW® pin-pull mechanism and standa	7.5-inch axle track, HN spindles, BS brackets, QUIK-ALIGN® pivot

HKANT 46K — 121-inch Spread

*System capacity refers to the suspensions, axles and slider. Ratings for brakes and wheel-end components differ depending upon options chosen.

AXLE SPREAD (inches)	RIDE HEIGHT (inches)	SYSTEM HEIGHT (inches)	FRONT AXLE LOCATION (inches)	JOUNCE (inches)	REBOUND (inches)	WEIGHT (pounds)
101	16	24.25	28.4	2.8	4.5	1,652
121	17	25.25	28.0	2.8	3.5	1,656

Note: Weight includes 48-inch wide slider, suspensions, HN LDA™ Large-Diameter Axle (5.75-inch) and foundation brake components (body rail weights not included). For a 54-inch wide slider system, add 45 pounds. For fixed-pin option, deduct 9 pounds. Does not include SURELOK® or box shims.



HKAT 50K

SYSTEM CAPACITY*	50,000 lbs. (22 500 kg)	
APPLICATION	On-highway or maintained roads "domiciled in Mexico"	A DE
TRAILER TYPES	U.S.A. and Canada: Dry, refrigerated and specialty van Mexico, Central and South America: Dry, refrigerated and specialty van	101003
AXLE DATA	Diameter: 5.75-inch LDA [™] Large-Diameter Axle Arrangement: Tandem Track: 71.5- and 77.5-inch Spread: 49-inch	
FRAME TYPES	Steel only: 96- and 102-inch wide trailers (42- and 48-inch wide	le slider boxes)
BASE MODEL DESCRIPTION	VANTRAAX® HKAT 50K slider suspension system consisting of 4 slider box with two 16-inch ride height suspensions, 77.5-inch 16.5- × 7-inch brakes with Abex 3030-197 brake lining, ABS b connection, QUIK-DRAW® pin-pull mechanism and standard C	axle track, HN spindles, rackets, QUIK-ALIGN® pivot

*System capacity refers to the suspensions, axles and slider. Ratings for brakes and wheel-end components differ depending upon options chosen.

AXLE SPREAD (inches)	RIDE HEIGHT (inches)	SYSTEM HEIGHT (inches)	FRONT AXLE LOCATION (inches)	JOUNCE (inches)	REBOUND (inches)	WEIGHT (pounds)
49	16	24.25	28.4	3.1	4.6	1,579
49	17	25.25	28.0	3.3	3.6	1,584

Note: Weight includes 48-inch wide slider, suspensions, HN LDA[™] Large-Diameter Axle (5.75-inch) and foundation brake components (body rail weights not included). For a 42-inch wide slider system, deduct 41 pounds. For manual pin-pull mechanism, add 15 pounds. For fixed-pin option, deduct 21 pounds. Does not include SURELOK® or box shims.



HKANT 69K23

SYSTEM CAPACITY*	69,000 lbs. (31 200 kg)	
APPLICATION	On-highway or maintained roads	
TRAILER TYPES	U.S.A. and Canada: Dry, refrigerated and specialty van Mexico, Central and South America: None	
AXLE DATA	Diameter: 5.75-inch LDA [™] Large-Diameter Axle Capacity: 23,000 lbs. (10 400 kg) Arrangement: Tridem Track: 71.5- and 83.5-inch Spread: 49-, 60- and 72-inch	
FRAME TYPES	Steel only: 96- and 102-inch wide trailers (48- and 54-inch	wide slider boxes)
BASE MODEL DESCRIPTION	VANTRAAX® HKANT 69K23 slider suspension system consist wide slider box with three 16-inch ride height suspensions, 16.5- × 7-inch brakes with Abex 3030-197 brake lining, AB connection, QUIK-DRAW® pin-pull mechanism and standard	77.5-inch axle track, HN spindles, 85 brackets, QUIK-ALIGN® pivot

*System capacity refers to the suspensions, axles and slider. Ratings for brakes and wheel-end components differ depending upon options chosen.

AXLE SPREAD (inches)	RIDE HEIGHT (inches)	SYSTEM HEIGHT (inches)	FRONT AXLE LOCATION (inches)	JOUNCE (inches)	REBOUND (inches)	WEIGHT (pounds)
60	16	24.25	28.4	2.8	4.7	2,188
00	17	25.25	28.0	3.0	3.7	2,195
72	16	24.25	28.4	2.8	4.7	2,236
12	17	25.25	28.0	3.0	3.7	2,242
49	16	24.25	28.4	2.8	4.7	2,143
49	17	25.25	28.0	3.0	3.7	2,149

Note: Weight includes 48-inch wide slider, suspensions, HN LDA™ Large-Diameter Axle (5.75-inch) and foundation brake components (body rail weights not included). For a 42-inch wide slider system, deduct 59 pounds. For a 54-inch wide slider system, add 61 pounds. For manual pin-pull mechanism, add 18 pounds for the 72-inch spread model and 14 pounds for the 60-inch spread model. For fixed-pin option, deduct 24 pounds for the 72-inch spread model. Does not include SURELOK® or box shims.



HKAT 69K25

SYSTEM CAPACITY*	69,000 lbs. (31 200 kg)			
APPLICATION	On-highway or maintained roads			
TRAILER TYPES	U.S.A. and Canada: Dry, refrigerated and specialty van Mexico, Central and South America: None			
AXLE DATA	Diameter: 5.75-inch LDA [™] Large-Diameter Axle Capacity: 25,000 lbs. (11 300 kg) Arrangement: Tridem Track: 71.5-, 77.5 and 83.5-inch Spread: 60- and 72-inch			
FRAME TYPES	Steel only: 96- and 102-inch wide trailers (42-, 48- and 54	1-inch wide slider boxes)		
BASE MODEL DESCRIPTION	VANTRAAX® HKANT 69K25 slider suspension system consist wide slider box with three 16-inch ride height suspensions, 16.5- × 7-inch brakes with Abex 3030-197 brake lining, A connection, QUIK-DRAW® pin-pull mechanism and stando	, 77.5-inch axle track, HN spindles, ABS brackets, QUIK-ALIGN® pivot		

*System capacity refers to the suspensions, axles and slider. Ratings for brakes and wheel-end components differ depending upon options chosen.

AXLE SPREAD (inches)	RIDE HEIGHT (inches)	SYSTEM HEIGHT (inches)	FRONT AXLE LOCATION (inches)	JOUNCE (inches)	REBOUND (inches)	WEIGHT (pounds)
40	16	24.25	28.4	3.1	4.6	2,420
60	17	25.25	28.0	3.0	3.6	2,427
70	16	24.25	28.4	3.1	4.6	2,479
72	17	25.25	28.0	3.0	3.6	2,486

Note: Weight includes 48-inch wide slider, suspensions, HN LDA™ Large-Diameter Axle (5.75-inch) and foundation brake components (body rail weights not included). For a 42-inch wide slider system, deduct 66 pounds. For a 54-inch wide slider system, add 68 pounds. For manual pin-pull mechanism, add 18 pounds for the 72-inch spread model and 14 pounds for the 60-inch model. For fixed-pin option, deduct 24 pounds for the 72-inch spread model. Does not include SURELOK® or box shims.



HKARL 46K

SYSTEM CAPACITY*	46,000 lbs. (20 700 kg)				
APPLICATION	On-highway or maintained roads				
TRAILER TYPES	U.S.A. and Canada: Dry, refrigerated and specialty van Mexico, Central and South America: None				
AXLE DATA	Diameter: 5.75-inch LDA [™] Large-Diameter Axle Arrangement: Tandem Track: 77.5-inch Spread: 49-inch				
FRAME TYPES	Steel only: 96- and 102-inch wide trailers (48-inch wide slid	der boxes)			
BASE MODEL DESCRIPTION	VANTRAAX [®] HKARL 46K slider suspension system consisting box with 10- or 11-inch ride height suspensions, 77.5-inch o brakes with Abex 3030-197 brake lining, ABS brackets, QU pin-pull mechanism and standard Cam Tube System [™] .	axle track, HN spindles, 16.5- \times 7-inch			

*System capacity refers to the suspension, axle and slider. Ratings for brakes and wheel-end components differ depending upon options chosen.

AXLE SPREAD (inches)	RIDE HEIGHT (inches)	SYSTEM HEIGHT (inches)	FRONT AXLE LOCATION (inches)	JOUNCE (inches)	REBOUND (inches)	WEIGHT (pounds)
40	10	24.25	28.5	2.9	4.8	1,840
49	11	25.25	28.5	3.0	4.2	1,856

Note: Weight includes 48-inch wide slider, suspensions, HN 5-inch axles and foundation brake components (body rail weights not included). 42-inch wide slider system not available. For manual pin-pull mechanism, add 14 pounds. For fixed-pin option, deduct 8 pounds. Does not include box shims.



VANTRAAX[®] SPECIFICATIONS

SPINDLE	TUBE O.D.	BEARINGS					
TYPE	(inches)	INNER CONE	OUTER CONE	INNER CUP	OUTER CUP		
HN	5.75	HM18248	HM212049	HM218210	HM212011		
HP	5.75	HM518445		HM51	8410		

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 specific applications. 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 publication *L809*, *Brake Certifications*. Air disc brake packages not available on VANTRAAX[®] HKAL and HKANL models. Please contact Hendrickson for assistance.

BRAKE CHAMBERS

Industry standard brake chambers with pushrod length of 9.75-inches and clamping / port orientation of zero degrees are compatible except HKARL models which are specified with a pushrod length of 7 inches.

BRAKE ADJUSTERS

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

DUST SHIELD

Clamp-on dust shield provides protection for both drum and air disc brakes — factory or OEM installed.

ZMD® ZERO MAINTENANCE DAMPING® (HKANT 40K)

Innovative ride solution exclusively through Hendrickson that eliminates the shock absorbers by integrating the damping function into the air spring.

SURELOK®

Dock height lock that maintains trailer at deck height while minimizing trailer walk during loading and unloading.

RAMP-READY (HKARL 46K)

Eliminates need for heavy, expensive spacer tubes with built-in 30-inch by 6.5-inch ramp bay —10- and 11-inch ride heights.

LOW-RIDE (HKAL 46K)*

Ideal for low-ride height applications — 10- and 11-inch ride heights.

HEIGHT CONTROL VALVES

For complete details on available height control valve kits, refer to publication *L1182, Controls Parts Catalog.*

STINGER

Bolt-on bracket available in 32- or 36-inch lengths — road and curbside mounting ready.

MANUAL STOP BAR

Efficiently assists the driver in slider box repositioning.

WELD-ON AIR TANK BRACKETS

Bracket kits available for customer installation; use with industry standard jumbo or small tanks Factory installed brackets available from Hendrickson; use with industry standard jumbo tanks.

SLIDER PIN EXTRACTOR

QUIK-DRAW[®] — fully pneumatic, pin-pull mechanism. Fixed-pin option — slider pins only for fixed van applications.

MUD FLAP MOUNTING ANGLE

Bolt-on bracket, attaches to rear cross member.

FACTORY PRE-ALIGNED SLIDERS

Ensures accurate parallelism between two neutral-toe axles.

SOFT COAT FINISH

Provides superior protection against rust and corrosion.

* Please contact your Hendrickson customer service representative for component information.

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	VANTRAAX [®] SPECIFICATIONS
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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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