

HIAB At Work



in Drywall and Building Material Deliveries



“ We chose to standardize our fleet with the **HIAB 255K** because of its weight, superior load control, attention to design detail and excellent product support from **Hiab, Inc.** ”

Robert Plummer, President and CEO, R.P Lumber



Comes Standard

Saying you are confident in your product is one thing, warranting it is another. The **HIAB 255K** and **335K** come standard with a 3-year warranty on the entire crane and a 5-year warranty on the structural parts. If you maintain and use your crane properly **Hiab** covers repair or replacement of components for 3 years. In addition, in the 4th or 5th year, again assuming proper maintenance and use, if a main structural component fails **Hiab** will cover the costs of the parts. Certain normal exceptions (such as replacement of consumables) apply.

3&5
year
warranty

world class solutions, **driven by you.**

HIAB 255K and 335K

Operators throughout North America have acclaimed the **HIAB 255K** and **335K** as the best cranes on the market for the delivery of drywall and building materials. The two models have been designed and built from the ground up to provide low crane weight, high lifting capacities and the best load handling characteristics of any other drywall crane in their class.



The HIAB 255K-2 and HIAB 255K-3 have vertical reaches of 55'10" and 63'8" respectively and the HIAB 335K-4 has a vertical reach of 72'2".

In operation, they're as smooth as they come — HIAB's unique V-91M valve system, in combination with a variable pump, offers controlled lifting and precise positioning of the load — through windows, doorways and onto balconies.

With a low crane weight and a clean boom system, HIAB drywall cranes allow you to maximize the truck's payload — material can be stacked right up to the boom.

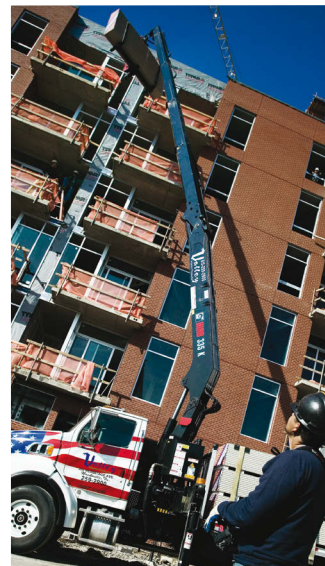
Complete load sensing hydraulic technology **is standard**

The HIAB Drywall crane's hydraulic system features ground breaking technology. The pressure compensated, load sensing Valve 91 M was designed by Hiab for the sole purpose of being the ultimate truck crane control valve. When combined with a variable displacement piston pump you're getting the highest level of speed, precision and efficiency available.

During operation, the oil flow demands of the crane are constantly changing. The pump can respond smoothly from a demand of 3 gpm to 35 gpm in milliseconds. By making only the oil flow that the crane needs, no energy is wasted. Wasted energy created by many conventional fixed pump systems causes unnecessary heating of the hydraulic oil resulting in excessive wear and tear to the hydraulic system, greater consumption of diesel fuel when operating the crane and higher maintenance costs.

On average, a **HIAB** drywall crane with its hydraulic system and variable pump, will consume 325 gallons less diesel fuel per year compared to other models using fixed displacement pumps. Not only does this save you money but you also saved our environment 7,200 lbs of unnecessary carbon dioxide. Over several years, that's a savings you can feel good about.

Performance is important too and **HIAB's** hydraulics delivers that as well. By making oil flow on demand, we can produce 50% more oil than a typical fixed flow system, which means more oil to operate several functions at once. Only the **HIAB Valve 91M** uses pressure compensated flow control in its load holding valves to allow for steady lowering of the boom every time. This means that any given lever movement will always produce the same smooth and reliable crane response — very suitable for lowering and rotating heavy loads at long outreaches.



First Class Operator Comforts: Topseat Mounted Controls, Remote Controls with **HIAB CombiDrive²** — or Both.

HIAB Drywall cranes are available with an ergonomically designed topseat control station. All crane functions are operated from two fold down joysticks and two foot pedals. The operator's hands and feet are always in contact with all crane controls offering safer operation and maximum efficiency.

In the Ground Control version, the remotely controlled valve is simply mounted at the base of the crane saving about 800 lbs in weight, substantial initial investment and better protection of the hydraulic and electrical components from direct contact with tree branches,

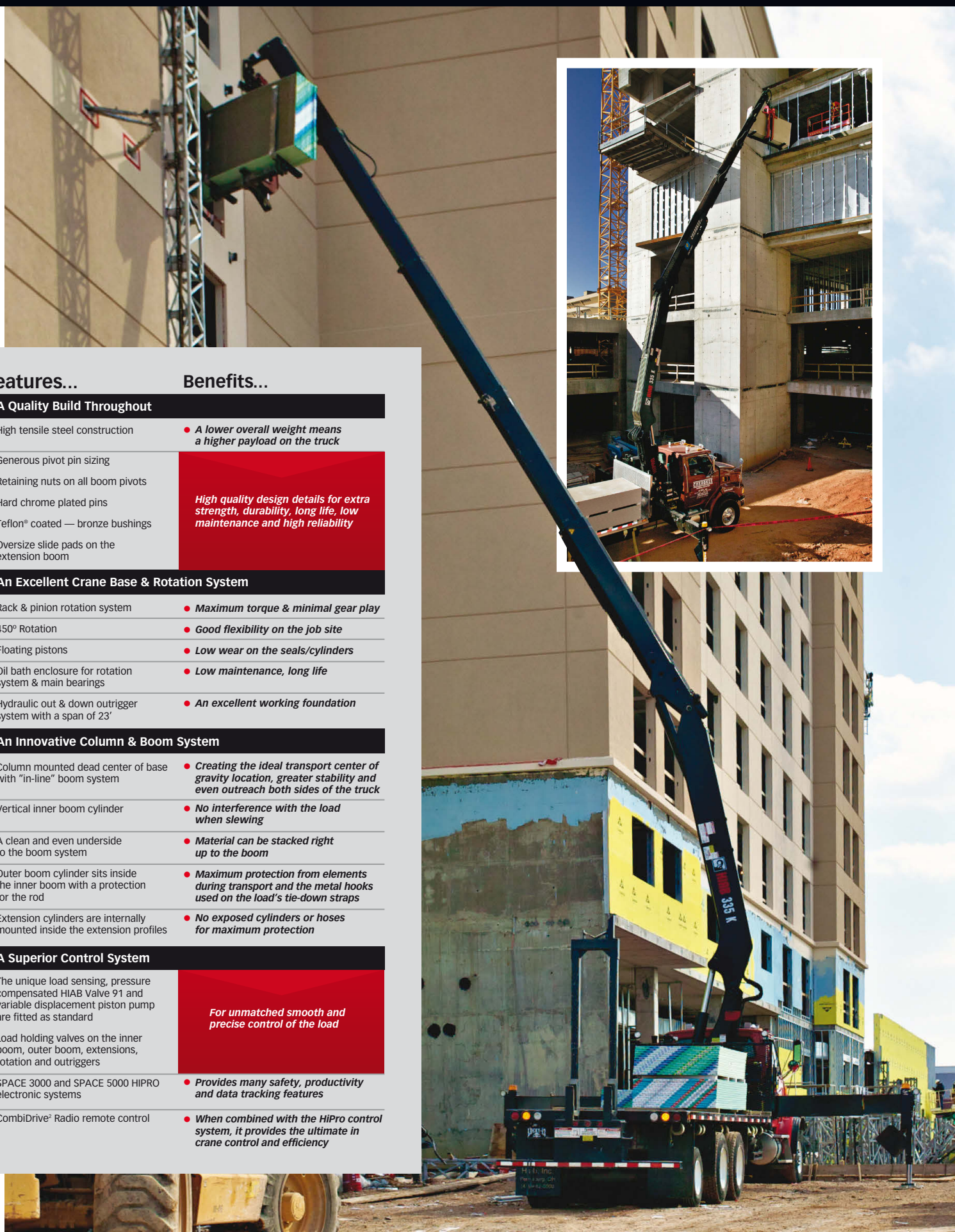
weather and other damaging elements encountered by the top seat when driving the truck down the road. In the event that the operator will need to manually control the crane, a set of manual levers is available at the base of the crane.



When operated with **CombiDrive²**, HIAB's fully proportional radio remote control your **HIAB** drywall crane will become even more efficient. It allows the crane operator to assist in the unloading — saving substantial time and money. It also provides an extra dimension in safety and versatility by allowing the operator to take up the best vantage point possible. The **CombiDrive²** comes standard with 100%, 60% or 30% speed switch. This allows the operator to easily change the speed of the crane — especially useful when adjusting heavy loads at long outreaches in windows.

The **CombiDrive²** radio remote control can be fitted to the top seat version giving the operator two controls options. As a third choice the **HIAB** crane is available with the Ground Control version, where the top seat, platform and ladders are eliminated altogether.

Do not operate cranes or accessories within 15 feet of live power lines or other electrified sources.



Features...

Benefits...

A Quality Build Throughout

- High tensile steel construction
- Generous pivot pin sizing
- Retaining nuts on all boom pivots
- Hard chrome plated pins
- Teflon® coated — bronze bushings
- Oversize slide pads on the extension boom

- A lower overall weight means a higher payload on the truck

High quality design details for extra strength, durability, long life, low maintenance and high reliability

An Excellent Crane Base & Rotation System

- Rack & pinion rotation system
- 450° Rotation
- Floating pistons
- Oil bath enclosure for rotation system & main bearings
- Hydraulic out & down outrigger system with a span of 23'

- Maximum torque & minimal gear play
- Good flexibility on the job site
- Low wear on the seals/cylinders
- Low maintenance, long life
- An excellent working foundation

An Innovative Column & Boom System

- Column mounted dead center of base with "in-line" boom system
- Vertical inner boom cylinder
- A clean and even underside to the boom system
- Outer boom cylinder sits inside the inner boom with a protection for the rod
- Extension cylinders are internally mounted inside the extension profiles

- Creating the ideal transport center of gravity location, greater stability and even outreach both sides of the truck
- No interference with the load when slewing
- Material can be stacked right up to the boom
- Maximum protection from elements during transport and the metal hooks used on the load's tie-down straps
- No exposed cylinders or hoses for maximum protection

A Superior Control System







- The unique load sensing, pressure compensated HIAB Valve 91 and variable displacement piston pump are fitted as standard
- Load holding valves on the inner boom, outer boom, extensions, rotation and outriggers
- SPACE 3000 and SPACE 5000 HIPRO electronic systems
- CombiDrive® Radio remote control

For unmatched smooth and precise control of the load

- Provides many safety, productivity and data tracking features

- When combined with the HiPro control system, it provides the ultimate in crane control and efficiency

255K 335K Technical Specifications

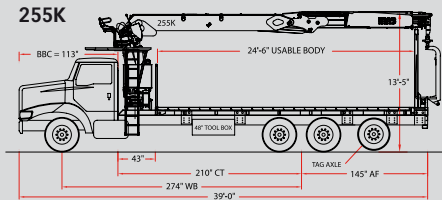
TECHNICAL DATA	HIAB 255K-2		HIAB 255K-3		HIAB 335K-4	
Control System	 Manual	 Remote	 Manual	 Remote	 Manual	 Remote
	Manual	Remote	Manual	Remote	Manual	Remote
Lifting capacity, max	166,800 ft-lbs	180,400 ft-lbs	156,400 ft-lbs	170,000 ft-lbs	192,600 ft-lbs	209,000 ft-lbs
Hydraulic outreach, standard	43' 4"		51' 1"		59' 5"	
Hydraulic boom extension	15' 11"		23' 9"		31' 7"	
Lifting height above ground*	55' 10"		63' 8"		72' 2"	
Outreach-lifting capacity, standard	26' 5" - 6,260 lbs	26' 5" - 6,750 lbs	26' 2" - 5,940 lbs	26' 2" - 6,440 lbs	25' 3" - 7,500 lbs	25' 3" - 8,300 lbs
	33' 10" - 4,700 lbs	33' 10" - 5,100 lbs	33' 8" - 4,340 lbs	33' 8" - 4,740 lbs	33' 1" - 5,300 lbs	33' 1" - 5,800 lbs
	42' - 3,720 lbs	42' - 4,040 lbs	41' 9" - 3,340 lbs	41' 9" - 3,660 lbs	41' 4" - 3,980 lbs	41' 4" - 4,400 lbs
			49' 6" - 2,780 lbs	49' 6" - 3,040 lbs	48' 10" - 3,240 lbs	48' 10" - 3,620 lbs
					56' 9" - 2,740 lbs	56' 9" - 3,040 lbs
Rec. oil flow	21 - 32 gal/min		21 - 32 gal/min		21 - 32 gal/min	
Power needed at rec. oil flow	52 - 78 hp		52 - 78 hp		58 - 86 hp	
Working pressure	4,200 psi		4,200 psi		4,425 psi	4,650 psi
Tank capacity	54 gal		54 gal		54 gal	
Slewing angle	450°		450°		460°	
Max. inclination at full capacity	4.5°		4.1°		5.8°	
Slewing torque, gross	28,400 ft-lbs		28,400 ft-lbs		37,400 ft-lbs	
Slewing speed	12°/s		12°/s		12°/s	
Lifting speed at standard hydraulic outreach	2.99 ft/s		3.53 ft/s		4.25 ft/s	
Hydraulic boom extension time out/in	18 / 11s		27 / 17s		32 / 24s	
Height in parking position**	9' 5"		9' 5"		9' 5"	
Installation space needed***	35"		35"		45"	
Weights						
Crane with topseat and catwalk, with support legs	9,000 lbs	9,100 lbs	9,500 lbs	9,590 lbs	11,950 lbs	12,000 lbs
Crane with support legs (without topseat & catwalk)		8,300 lbs		8,790 lbs		11,200 lbs

*Ground to boom tip, assumes 48" installation surface

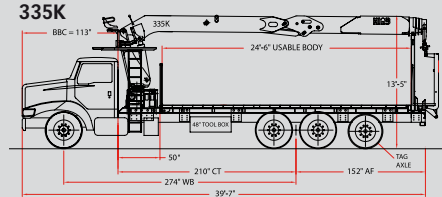
**Installation surface to highest point on boom in transport position

***Crane base dimensions only. Extra clearance suggested.

255K



335K



Our commitment to you

A global success story that spans more than half a century, HIAB truck-mounted cranes have been proven where it really matters – on site – year after year, job after job, throughout the USA and the rest of the world. Here at **Hiab, Inc.** we have invested heavily in our service fleet as part of our absolute commitment to customer support and after-sales service. This means your crane can be maintained on your own site by **Hiab**-trained engineers, or delivered for servicing to your nearest **Hiab** service center. **Hiab, Inc.** is a Cargotec company, which means that your knuckleboom crane is supported by an unrivalled coast-to-coast sales and service network.

Your **HIAB** crane is also backed by our unique **TotalCare®** program. It's a complete support package including expert advice on product selection, a wide choice of leasing and 'cash flow matched' financial packages, an industry-leading warranty program, a comprehensive after-sales commitment including various maintenance plans, plus the best 'overnight' parts service in the industry.

It all adds up to the best value crane package available today.

Recommended truck specifications

- 18,000 GVW FRONT AXLE
- 12,000 lbs. TAG AXLE
- 110,000 psi YIELD FRAME MATERIAL
- 40,000 GVW REAR AXLE
- 30 in³ SECTION MODULUS FRAME
- 24'-6" BODY



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Due to the company's policy of continued development, we reserve the right to change specifications without prior notice.