

HIAB



HIAB BUYER'S GUIDE CHOOSING THE RIGHT CRANE

CHOOSING THE RIGHT CRANE

1

What type of material are you lifting?

Lifting bulk bag materials, or single heavy objects with slings or rigging will only require a standard hook. Lifting pallets of materials, bundles of lumber or drywall will need a fork attachment and you may choose to have that fork hydraulically operated.

2

How far do you want to reach vertically and horizontally (lift capacity)?

The distance the crane needs to be able to reach from the side of the truck is actually measured from the center of the crane's rotation. Further horizontal reach affects crane capacity far more than vertical reach. Vertical reach is the distance from the ground to the platform where the object will be placed.

3

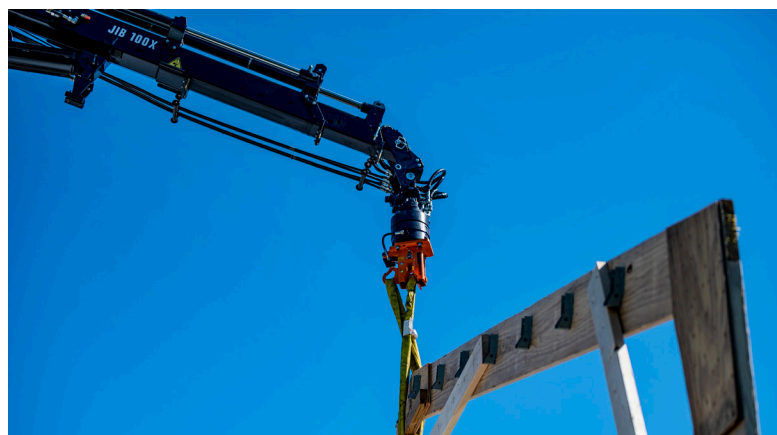
What is the maximum weight of the material you're lifting at full reach?

The maximum weight should be the heaviest object you lift on a regular basis. A lift chart will help you understand the lift radius required. For example, 1,000 lbs at 30 feet may require more crane capacity than 5,000 lbs at 10 feet.

4

Is there anything specific about the lifting method for the items needed to be lifted?

For example, if you are lifting over roofs or into buildings, that would require a fly jib option. Do you require a fork or grapple attachment to lift the materials you need to lift? Are you lifting into a hole or below grade that may require a winch?



Once you have answered the questions above, an appropriate crane model and configuration can be selected.

Note: Once you've chosen a crane model, you then need to pair it with a truck spec that is appropriate for the chosen crane model. If one chooses a truck spec first, then the truck size / spec becomes the limiting factor of the crane size that can be selected. This could change or limit your crane choice and the lifting capability attained.

If you have a specific truck, this will be the base from which the maximum crane size limitations will be determined. For example, you cannot mount a 50 ton-meter crane on a Ford F550. You must also consider the license category of the truck (i.e. a CDL or non-CDL). Non-CDL will greatly restrict the size of truck and crane that can be chosen.

To find out more about Hiab cranes, installation options, or if you have questions about applications, please contact your local sales executive or Hiab Engineering at this [link](#).

PAIRING YOUR CHOSEN CRANE WITH THE RIGHT TRUCK



It is very important to understand that your chassis RBM (Rated Bending Moment) specs will play a role in determining the size of crane that a chassis can handle. Therefore, RBM specs must be selected correctly when choosing a truck. In all of these areas of questions, Hiab's product support team can assist you to determine feasibility.

Consider state rules.

Rules vary by state. Please make sure to consult with the Hiab Engineering department when building your truck to ensure the final product complies with the rules of your state. Axle loadings, allowable payload and maximum dimensions all vary by state and may affect the usability of your truck.

What are your payload requirements?

Having considered the state rules, you must then calculate the weight of the crane and body when considering payload. Your application may require extra axles to meet these requirements. Please consult with Hiab Engineering for assistance.

Rear mount or behind the cab mount?

It is important to decide whether to mount the crane behind the cab - allowing payload to overhang the end of the body - or a rear mounted crane - creating a closed body, but greater lifting versatility. With a behind the cab mount, you are delivering products over the cab of the truck. On a rear mount, the product is lifted off the body and placed behind the truck.



CHOOSING THE RIGHT BODY FOR YOUR PURPOSES

What body type and style is required?

There are many body options that Hiab can provide, along with crane installation. Platform options would include steel floor, wood, rubber, aluminum, dump body, flat body, lumber bunks or hopper bodies.

Are you using a 3rd party body builder?

If the body will be produced by someone other than Hiab, our engineers will work with you regarding truck and crane requirements.

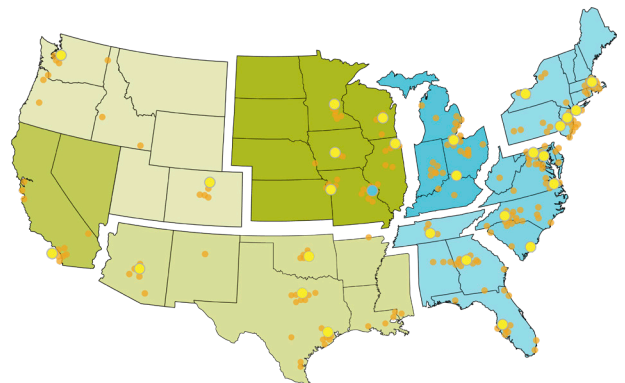


Equipment lead times will vary for truck and equipment, therefore order timing is important.

If you are interested in more information or want to purchase a loader crane, please contact the Hiab sales team at 800.852.2331.

To find your local sales executive, please click [here](#).

HIAB USA LOCATIONS



Our commitment to you

Hiab is the world's leading provider of on-road load handling equipment, intelligent services, smart and connected solutions. Hiab's class-leading load handling equipment includes HIAB, EFFER and ARGOS loader cranes, LOGLIFT and JONSERED forestry and recycling cranes, MOFFETT and PRINCETON truck mounted forklifts, MULTILIFT skiploaders and hooklifts, and tail lifts under the ZEPRO, DEL, and WALTCO brands. As the industry pioneer and with a proud 75 year history, HIAB is committed to be the preferred partner and solution provider to its customers and shape the future of intelligent load handling. www.HIAB.com HIAB is part of Cargotec Corporation. www.cargotec.com

For all your sales and service needs, call our nationwide hotline at 419.482.6000 to find your nearest HIAB USA branch.



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