KINCROME®
PROFESSIONAL QUALITY TOOLS

UTE CRANE 900KG

LIFTING RADIUS 930-1295MM

360° ROTATION

1800MM LIFTING HEIGHT

900KG MAX LIFTING CAPACITY

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Know your product

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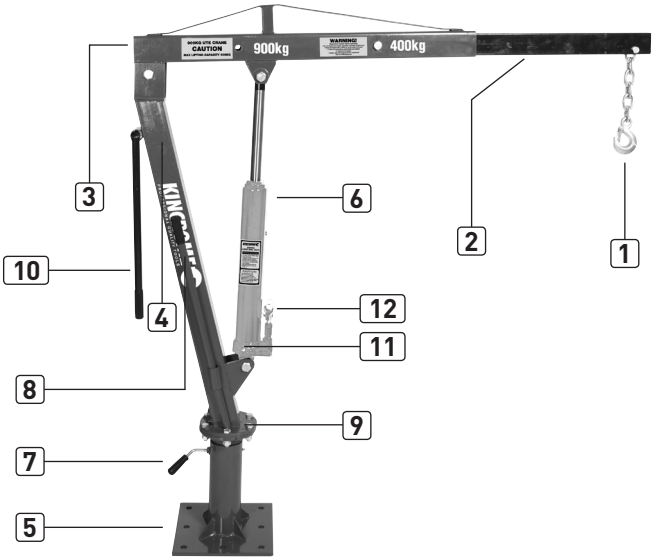


SPECIFICATION

Model No: K12310
Max lifting capacity (retracted) ..... 900 kg (2000 lbs)
Min lifting radius ..... 930mm (36.6")
Max lifting height ..... 1800mm (70.8")
Base exterior size ..... 270mm x 270mm (10.6" x 10.6")
Min lifting height ..... 170mm (6.7")
Working degree rotation ..... 360°
Max lifting radius ..... 1295mm (51")
Net weight: 51.3kg

General Safety Warnings

WARNING! Read all safety warnings and all instructions.
Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference.
WARNING: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

1) Work Area Safety

a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.

b) Additional work area conditions. Do not use hoist in damp or wet locations. Do not expose to rain. Keep work area well lit.

c) Keep children and bystanders away. Children must never be allowed in the work area. Do not let them operate the hoist or be near a suspended load.

2) Personal Safety

a) Stay alert, watch what you are doing and use common sense when operating a ute crane. Do not use a ute crane while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating ute crane may result in serious personal injury.

b) Always wear personal protective equipment that are ANSI approved. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c) Remove any adjusting key or wrench before operating the ute crane. A wrench or a key left attached to a rotating part of the ute crane may result in personal injury.

d) Do not overreach. Keep proper footing and balance at all times. This enables better control of the ute crane in unexpected situations.

e) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

3) Ute Crane Use And Care

a) Never lift an object when the vehicle is in motion.

b) Never stand beneath, in front of, or to the side of the load.

c) Never use hoist to lift or support people.

d) Do not leave a suspended load unattended.

e) Never exceed the 900kg (2000-lbs). lifting capacity.

f) Always make sure the vehicle is in park, the engine is off, the parking brake is set and the wheels are chocked before using.

g) Check all connections periodically and tighten or replace when necessary.

4) Service

a) Have your Ute Crane serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the ute crane is maintained.

User Instructions
K12310 - Ute Crane

1) Before Starting

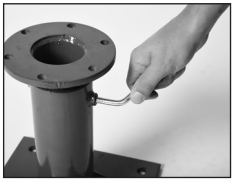
The K12310 Ute Crane is designed specifically for use with loading and unloading heavy loads safely on to the pickup bed/tray of small trucks, utilities or larger trucks as well garage floors.
Any other use is deemed to be a case of misuse.
The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

2) Assembly

Caution: It is recommended that two people are used in the assembly process.

Tools required (not supplied)

- 19mm Spanner/socket
- 22mm Spanner/socket
- 24mm Spanner/socket
- Adjustable Spanner



(Fig. 1)

Assembling the base to vehicle or floor

Determine where the crane will be installed into the vehicle or floor and securely fasten to the bed or tray of your vehicle or garage floor.
Caution: Contact your local government or vehicle manufacturer for mounting requirements

(Fig. 2)

Assembling the rotating coupler into fixed base

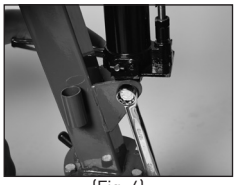
1. Slide the rotating coupler (9) in to the base assembly (5) (Fig. 1). Double check to see if the rotating coupler (9) can freely rotate within the base assembly (5).

2. Screw the rotating lock handle (7) into the base assembly (5).

(Fig. 3)

Assembling the rotating coupler to the main post

1. Ensure the rotating coupler (9) is locked with the rotating lock handle (7) so it does not spin.
2. Selecting the rotating coupler (9) and main post (4), align the holes in the rotating coupler (9) with those in the main post (4) and secure in place using the bolts, flat washers, spring washers and nuts (supplied) (Fig. 2).
Note: Fit the flat washer over the bolt followed by spring washer and nut.
3. Using a 19mm spanner or shifter (not supplied) securely tighten all bolts and nuts.



(Fig. 4)

Assembling the boom to the main post

1. Align the hole in the main post (4) bracket with those in the boom (3) bracket and secure in place using the bolt, flat washer, spring washer and nut (supplied) (Fig. 3).
Note: Fit the flat washer over the bolt followed by spring washer and nut.
2. Using a 24mm spanner or adjustable spanner (not supplied) securely tighten all bolts and nuts.

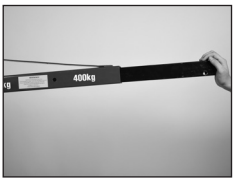
Assembling the hydraulic pump to the crane

1. Align the hole in the bottom of the hydraulic pump (6) with the main post (4) mount and secure in place using the bolt, flat washer, spring washer and nut (supplied) (Fig. 4).
2. Align the hole in the top of the hydraulic pump (6) plunger with those in the boom (3) bracket and secure in place using the bolt, flat washer, spring washer and nut (supplied) (Fig. 5).

3. Using a 24mm spanner or adjustable spanner (not supplied) securely tighten all bolts and nuts.

(Fig. 5)

Assembling the boom extension to the boom



(Fig. 6)

1. Slide the boom extension (2) in to the boom (3) (Fig. 6).
2. Align the hole in the boom extension (2) with the hole in the boom (3) that suits the load to be lifted and secure in place using the bolt, flat washer, spring washer and nut (supplied).
3. Using a 22mm spanner or shifter (not supplied) securely tighten all bolts & nuts.
Note: The longer the boom is extended the lower the lifting capacity.
4. Recheck all bolts and nuts on the ute crane to ensure they are fully tightened and installed correctly.

Fitting the accessories

(Fig. 7)

1. Attach the rotation handle (10) into the main post (4) mounting point and secure with hitch pin (Fig. 7).
2. Assemble hook and chain (1) to boom extension (2) using a bolt, washer and nut (supplied) (Fig. 8)
3. Using a 18mm and 19mm spanner or adjustable spanner (not supplied) securely tighten all bolts & nuts.
4. Ensure all bolts are tightened correctly and that the unit can rotate freely without coming in to contact with any objects.

3) Operation

Caution: This product is intended for lifting purpose only, not for supporting loads.
Promptly support load after jacking with appropriately rated safety stands or equivalent blocking.
Do not overload this jack beyond its rated capacity marked on the side of the boom for the corresponding boom position.

(Fig. 8)

To raise a load on flatbed or tray

Lifting a load using a crane can be dangerous. Follow all instructions and precautions below.
Do not lift any products with the vehicles engine running.
WARNING: Ensure the handbrake is engaged on the vehicle before making any adjustments
WARNING: NEVER work on a load suspended by the crane, Never place any part of your body under the suspended load.
Caution: Make sure the ground is clear and no obstacles are in the path of the crane.

(Fig. 9)

1. With the boom (2) lowered to the same height as the load, rotate crane into position over the load to be lifted. Fit the pump handle (8) to the pressure release valve (11) (Fig. 9) and twist completely clockwise to close the valve (do not over tighten). Place pump handle (8) into the pump actuator (12) and slowly pump handle until the boom begins to raise.
2. Attach the hook and chain (1) to the sling, chain or load levelling device (not included) making sure the device is securely attached to the load and is suitably rated to hold the weight.
3. Slowly pump the handle until the crane begins to support the load being lifted. Double check the load being lifted is firmly supported by the crane, chain, sling or levelling device.
4. Pump the pump handle (8) to raise the working load to the desired height.
5. Using the rotation handle (10) slowly swing the load to the desired lowering location.
Note: Never leave the load suspended for long periods of time, as soon as practicable the load should be lowered.
6. Fit the handle of the hydraulic pump (6) to the pressure release valve (11) and slowly twist anti-clockwise until load begins to lower (Do not loosen anymore than 2 full rotations). Excessive speed or jerky motion can cause the load to slip leading to property damage or personal injury.

4) Maintenance Of The Ute Crane

It is recommended that the general condition of any tool be examined before it is used. Keep your ute crane in good repair by adopting a program of conscientious repair and maintenance in accordance with the recommended procedures found in this manual. If any abnormal vibrations or noise occurs, stop using the ute crane immediately and have the problem corrected before further use. Have necessary repairs made by qualified service personnel.

- **Cleaning.** Regularly blow dirt and dust off the ute crane with clean, dry air at least once a week. To minimize the risk of eye injury, always wear approved eye protection. Use only soap and a damp cloth to clean your tools. Do Not use gasoline, kerosene or other solvents. Many household cleaners could be harmful to seals resulting in premature seal deterioration.
- **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this ute crane.
- **Check for damaged parts.** Before using the tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Any part that is damaged must be replaced.
- **Maintain ute crane with care.** Follow instructions for lubricating and changing accessories. The handles must be kept clean and free from oil and grease at all times.

4) Maintenance Of The Ute Crane cont.

Ute Crane oil level

1. Remove oil cap (Fig. 10)
2. Add hydraulic fluid to just below level of cap
3. Replace oil cap
4. Open release valve & pump handle 10-15 times to purge air

(Fig. 10)

5) Servicing

IMPORTANT! Contact your local Kincrome® dealer or service agent for any service requirements.

8) Spare Parts

For a full list of available spare parts for this item refer to the Kincrome® website **www.kincrome.com.au**
Type in the part number & click on the documentation tab for a copy of the parts diagram and listing

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12 MONTH WARRANTY

Warranty given by Kincrome Australia Pty Ltd of 3 Lakeview Drive, Caribbean Park, Scoresby, Victoria (Tel 1300 657 528). The applicable warranty period (12 months) commences on the date that the product is purchased. If this product has materials or workmanship defects (other than defects caused by abnormal or non warranted use) you can, at your cost, send the product to place of purchase, an authorised Kincrome service agent or one of Kincromes addresses for repair or replacement. Your rights under this warranty are in addition to any other rights you have under the Australian Consumer Law or other applicable laws. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. For further details please visit www.kincrome.com.au or call us. Due to minor changes in design or manufacture, the product you purchase may sometimes differ from the one shown on the packaging.