



**KHUT 15/3 MZS-U**



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**Under floor lifts**  
in accordance with the EU regulation  
for machinery 2006/42/EG,  
as well as EN 1494

Under floor lifts with simple stroke

Under floor lifts with simple stroke

Under floor lifts with telescope

Freely moveable gear lifts

**KHU**

**KHU M 800**

**KHUT**

**KHTF**



**KHUT 14/3 MZS-F**



**KHU 15 LMZS**

## Hydraulic Under floor lifts

### Key of types

indent letter	<b>KH</b>	<b>KIRSTEN Hydraulic lifts</b>
	<b>U</b>	<b>under floor</b>
	<b>15</b>	<b>carrying capacity in t</b>
	<b>L</b>	<b>long stroke 800 mm</b>
	<b>M</b>	<b>motor pump pneumatic</b>
	<b>Z</b>	<b>positive return</b>
	<b>S</b>	<b>quick action up</b>
electric lift	<b>E</b>	<b>electric drive</b>



**KHU 15 LMZS**  
Undercarriage „U“



**KHU 15 M 800**  
Undercarriage „U“

The under floor lifts type **KHU** came the wish after more contrary to mobility in the pit.

The trouble some bend under the undercarriage of a hanging pit lifter is dropped.

Change side is possible about comfortable exceed from the down drive undercarriage with platform.

For working higher parts the platform can be use.

Operating elements are mounted user-friendly. Move the lifts across or longitudinal direction is possible without big force about running wheels with needle bearings and grease nipples.

At undercarriage performance type **U** there be mounted runner rails made from flat steel 80x10 in pit ground.

The **U**-undercarriage made after the pit measure.

The free driving undercarriage type **F**; move about 4 roller bearing steering rolls made from polyamide.

At a load up to 1.000 kg, the spring bearing undercarriage chassis sit down on the pit bottom. Measure 780x1010 mm.

The long stroke of 800 mm guarantees a sufficiently big lift over floor with a pit-depth from 1400 to 1 500 mm.

The lifts distinguish at the drive with follow sign.

#### Type KHU .. L

Hand pump for quick action and load stroke. Lowering because by open of the lower valve by hand-wheel. Pull in of the unloaded piston rod because by dead weight.

#### Type KHU .. LZS

In addition these lifts are fitted with a quick action to load application point, as well as with pneumatic compulsory return motion travel of the unloaded piston rod. Load stroke with hand pump.

#### Type KHU .. LMZS

These units testify to the same design and performance as the type **LZS**, however additional with pneumatic drive motor pump for lift the load.

#### KHU M 800

New narrow construction with motor-pump (air-motor) without hand-pump. Separated push button for fast - and load-lifting. Pneumatic repatriation.

#### Type KHU ..LE

Electric drive consists of under oil-motor 3 kW or 4 kW 400 V three phases and hydraulic pump. The controls operate over two-push button at electric control box.

All lifts serial equipment hard chromium piston rod and needle bearings with grease nipples on all running rolls.

Type	Carriage capacity kg	Stroke mm	Construction height mm	Stroke above floor at pit depth 1400 mm
KHU 11 L KHU 11 LZS KHU 11 LMZS KHU 11 M 800 KHU 11 LE	11 000	800	1 290	690
KHU 15 L KHU 15 LZS KHU 15 LMZS KHU 15 M 800 KHU 15 LE	15 000	800	1 310	710
KHU 18 L KHU 18 LZS KHU 18 LMZS KHU 18 M 800 KHU 18 LE	18 000	800	1 310	710
KHU 22 L KHU 22 LZS KHU 22 LMZS KHU 22 LE	22 000	800	1310	710
KHU 30 LZS KHU 30 LMZS KHU 30 LE	30 000	800	1310	710

all types optionally with undercarriage model "U"  
or with free driving undercarriage model "F"

# Hydraulic telescope under floor lifts

## Key of types

indented Letter	<b>KH</b> KIRSTEN Hydraulic lift <b>UT</b> under floor-Telescope <b>15</b> carrying capacity in t <b>/2</b> number Telescope level <b>M</b> motor pump pneumatic <b>Z</b> positive return <b>S</b> quick action up
electric lift	<b>E</b> electric drive



**KHUT 14/3 MZS**  
low building height  
Undercarriage „U“



**KHUT 15/2 MZS**  
Undercarriage „F“



**KHUT 18/3 MZS**  
Undercarriage „U“

The under floor lifts type KHU T came the wish after more contrary to mobility in the pit. The trouble some bend under the undercarriage of a hanging pit lifter is dropped.

Change side is possible about comfortable exceed from the down drive undercarriage with platform. For working higher parts the platform can be use. Operating elements are mounted user-friendly. Move the lifter across, and longitudinal direction is possible without big force about running wheels with needle bearings.

At undercarriage performance type U there be mounted runner rails made from flat steel 80x10 of the pit ground. The U- under-carriage made after the pit measure.

The free driving chassis type F; move about 4 roller bearing steering rolls made from polyamide. At a load up to 1.000 kg the spring bearing under-carriage chassis sit down on the pit bottom. Measure 780x1010 mm.

### Type KHUT.. MZS

Pneumatic quickly-lifting up to the load-application-point. With KHUT 15 and 18 is led back the first and second telescope-step when lowering pneum. obligatorily. With KHUT 14/3 is led back all three telescope-grading. A pneum. driven motor-pump is used for the rise of the nominal-load. Control with KHUT 15 and 18 separated over 2-Step hand-lever-valves for quickly-lifting and load-lifting. With KHUT 14/3 controls for quickly-lifting and load-lifting by means of foot-pedals. Lowering by means of discharging hand wheel.

### Type KHUT.. E

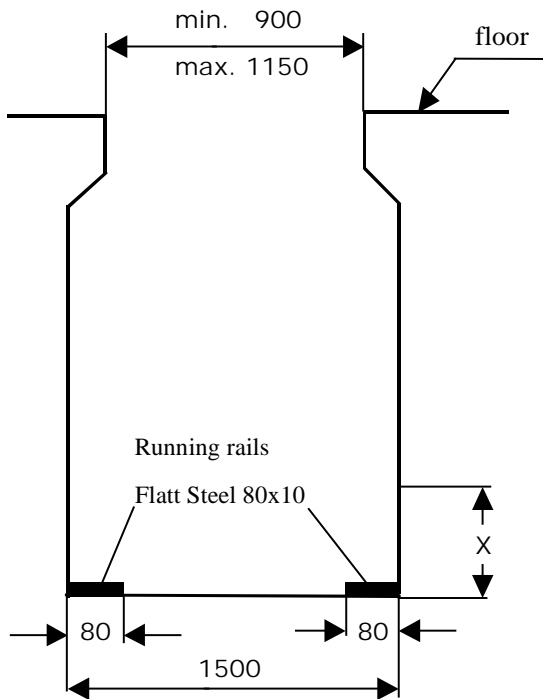
Electric drive from under- oil motor 3 kilowatts 400 V and hydraulic pump. The control rise and lowering takes place over push buttons at the electro-switchbox. Hydraulic repatriation of the first and second telescope-step when lowering.

All lifters in series with chromium piston-poles as well as needle-store and grease nipples at all castors.

Type	Telescope 1+2	Telescope 1-3	Stroke above floor at pit depth	Construction height
	Carriage kg	Carriage kg		
	total stroke mm	total stroke mm	1400 mm	mm
<b>KHUT 14/3 MZS</b>	14 000 — 900	14 000 — 1 300	585	685
<b>KHUT 15/2 MZS</b>	15 000 —		720	920
<b>KHUT 15/2 E</b>	1 200		790	990
<b>KHUT 15/3 MZS</b>	15 000 — 1 200	3 700 — 1 770	1 290	920
<b>KHUT 18/2 MZS</b>	18 000 —		720	920
<b>KHUT 18/2 E</b>	1 200		790	990
<b>KHUT 18/3 MZS</b>	18 000 — 1 200	4 500 — 1 770	1 290	920

all types optionally with undercarriage model "U" or with free driving undercarriage model "F"

## Pit performance for under floor lifts



The measure in the sketch is not binding suggestion and can be deviate from the actual pit measure. The measure X and the statement to the running rails are obligatory.

The required running rails made from flat steel 80x10 must mount with wood screws all 1.000 mm on the pit bottom. They're for drill and lower the flat steel in the middle  $\varnothing 6,5$ . Put on the flat steel horizontal on the pit bottom and adjust the gauge. Drill with a 6 mm stone drill through the drills of the flat steel on dowel depth.

Take away the flat steel and drill the drills in the bottom for 8mm dowel. The flat steel screw with screws 6 x 50 DIN 97 on the pit ground. After this control the gauge.

### Attention!

In the area of the measure X from 250 mm they don't project no pipes or other parts.

## Gear lifts free moveable Type KHTF

Pneumatic – hydraulic with quick lift and positive return of the first telescope level.

Hand pumps for fine stroke. Type MZS with air motor. Free moveably lift. With roller bearing steering rolls made from polyamide.

Serials gear plate. Piston rod made by hard chromium. The ideal lifts for removable and installation of gears and retarder in a pit or on the ground floor of car hoist. Undercarriage measure 820x880 mm.



**KHTF 2/2 MZS**  
with GPS 15/45

Type	Capacity kg	Capacity kg	Height mm
	Stroke 1 mm	total stroke mm	
<b>KHTF 2/2 ZS</b>	2 000	2 000	925
<b>KHTF 2/2 MZS</b>	600	1 180	
<b>KHTF 4/2 ZS</b>	4 000	2 000	925
<b>KHTF 4/2 MZS</b>	600	1 180	