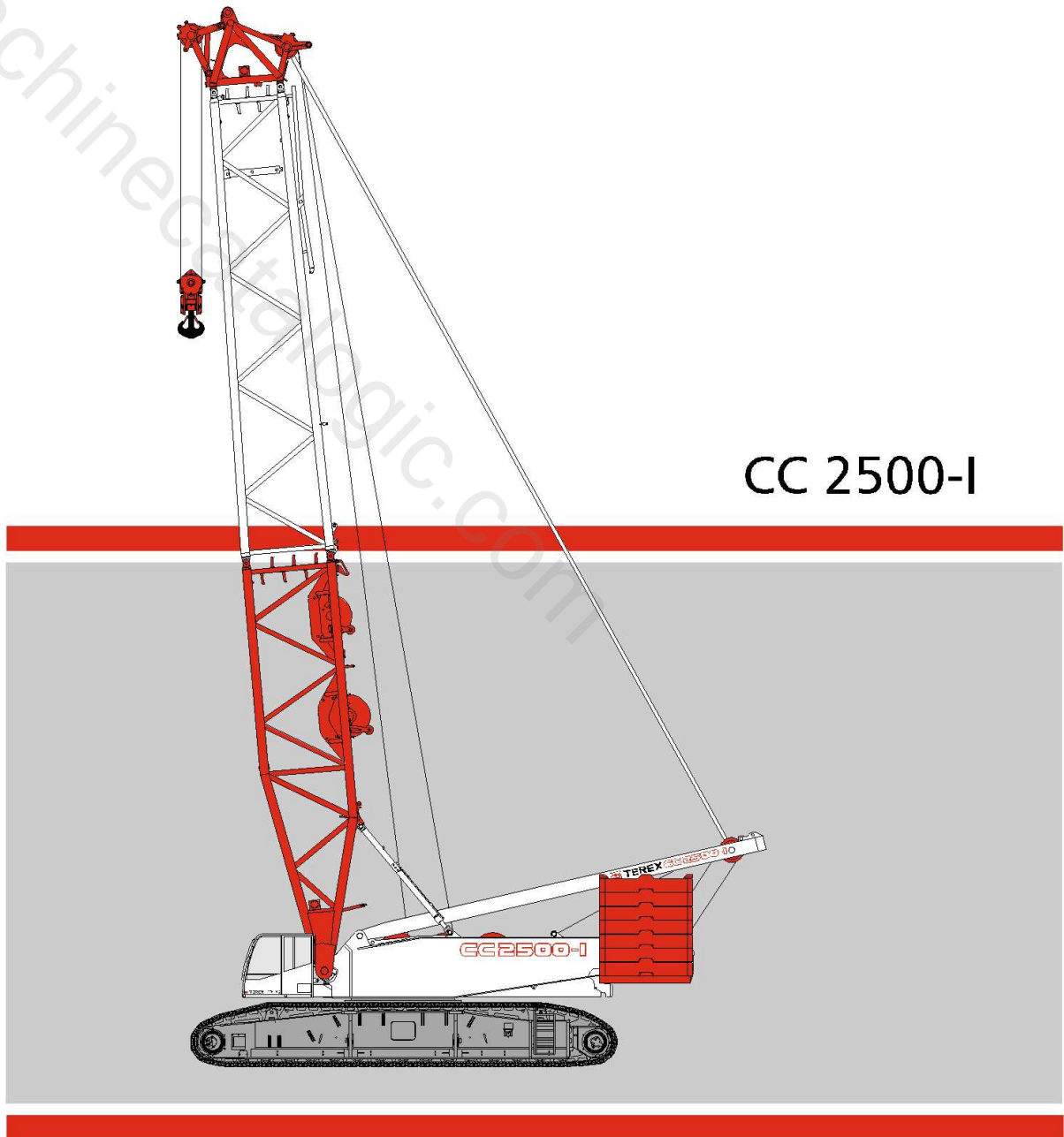




CC 2500-I

If, however, the crane accidentally comes into contact with high voltage power lines:

- Bring the crane out of the danger zone: drive out, swing out, adjust boom!

If this is not possible:

- Do not leave the crane or driver's cab.
- Warn anyone in the vicinity against approaching or touching the crane.



If the crane operator leaves the crane or if another person approaches and touches the crane, they will receive an electric shock.

Even the ground around the crane is carrying an electric current. Therefore every step on the crane, to the crane or away from the crane is potentially dangerous (step voltage)!

- Arrange for the power in the cable to be switched off.
- Only leave the crane when you are sure that the touched/damaged line has definitely been disconnected from the power source.

2.6.5 Technical Data

Main dimensions

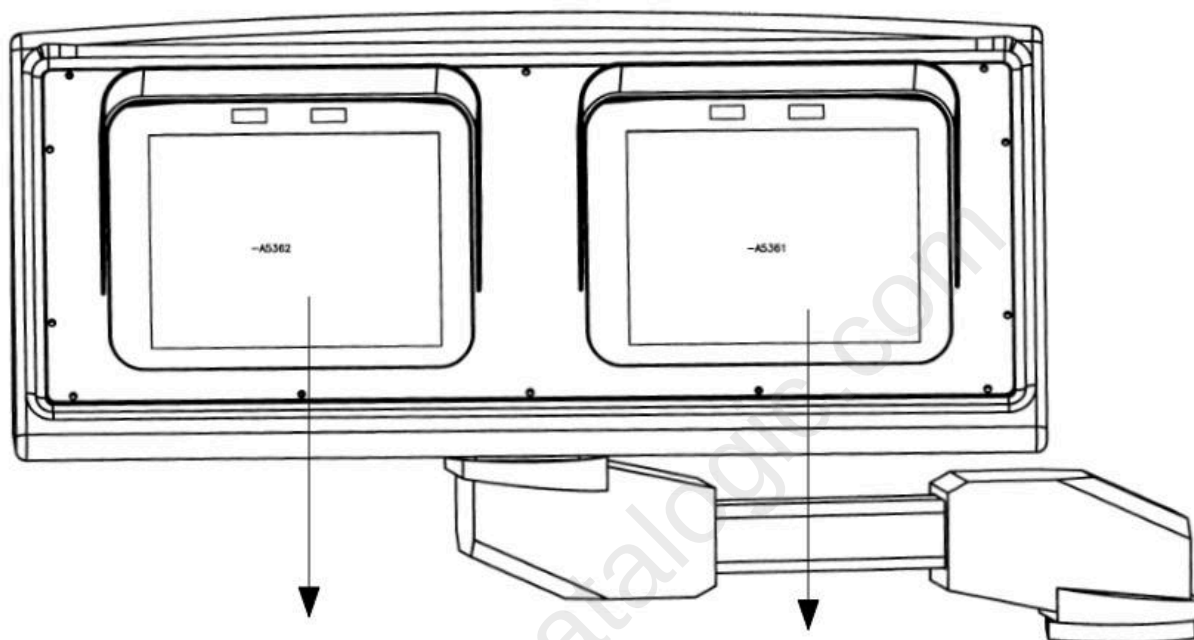
See figures Z 59 272 and Z 59 273
(OP = optional)

Weights

	T	ton US
Total counterweight including 160 t counterweight + 40 t central ballast, 24 m main boom and hook block	375	413.62
Superstructure (with 3 winches, A-frame and reeving winch)	42.5	46.88
Superstructure (without winches H1 and H2, reeving winch) and part quick release	35.5	39.16
Chassis mid-section / chassis mid-section with assembly support	18/20	19.8/22.0
Crawlers	2x30	2x33.0
Counterweight	160	176.48
Central ballast	40	44.1

Ground pressure

For 375 t total weight = 19.0 N/cm²



Z 58 907

8.1.3 Operating the LLD System

For this system, all functions are operated by "tapping" the keys or buttons shown on the monitor (touchscreen).

By tapping a key/active button, a selection window is opened for parameter selection, or the display changes to another selection window.

When opening a selection window, a list of selection options (pull-down menu) appears in the selected area. A value must then be selected from the selection list. If the set value is not to be modified, then the previous value must be selected again from the selection list.

In principle, the following applies:



Floppy disk

"Save" symbol:

selected setting is saved and the display is changed



Door

"Exit" symbol:

the display is exited again without saving the modified setting

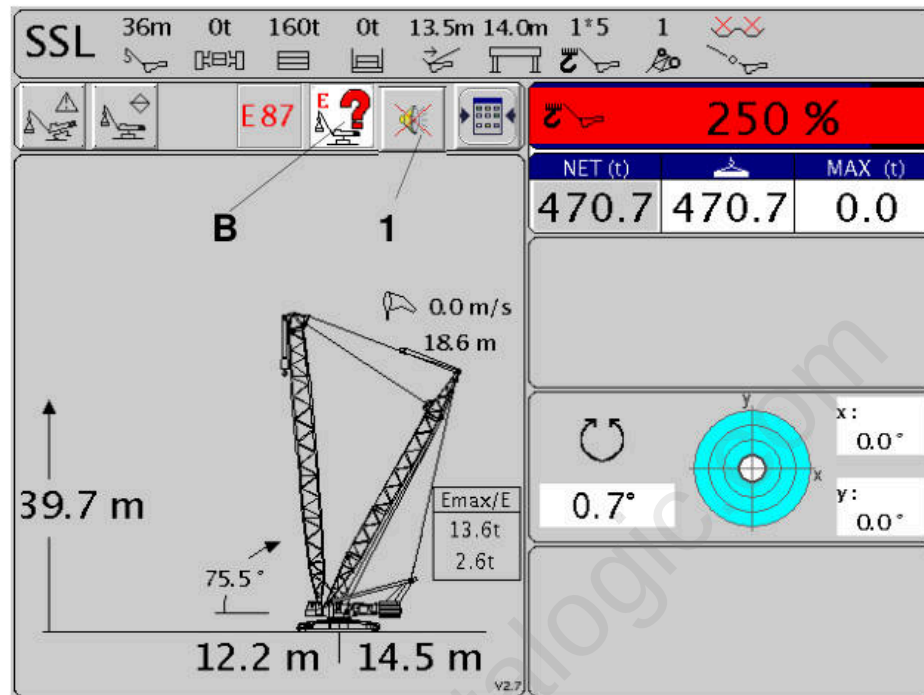
The setting of the load limit device begins with the entering of the crane configuration in the "Operating mode selection" screen. Afterwards, depending on the desired operating mode, additional parameters can be set in the individual screens of the IC-1 crane controls.

8.1.3.1 Switching On

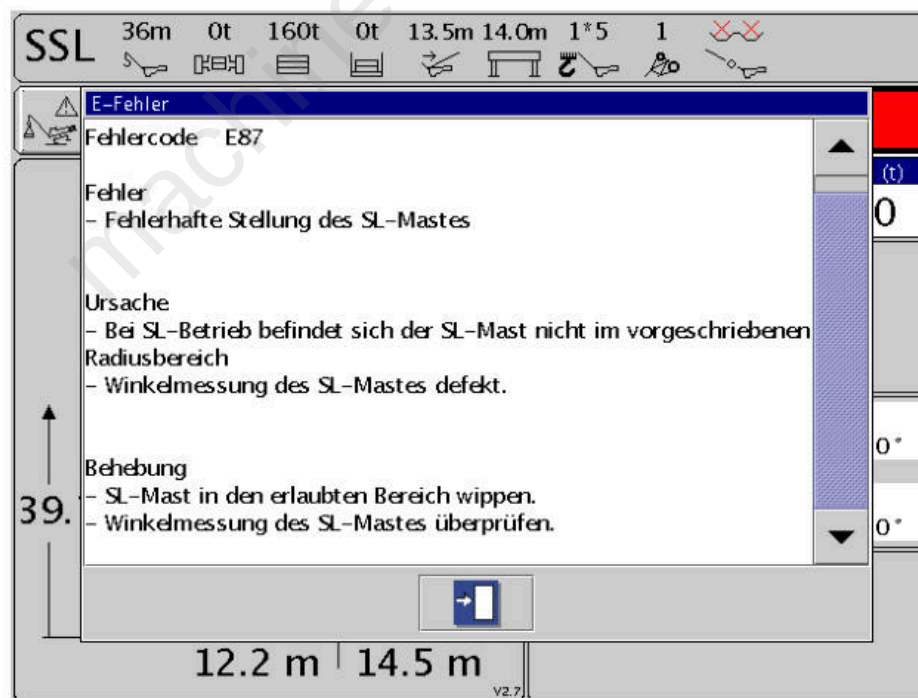
1. Insert key switch (98, Z 59 547).
2. Menu screen 1 "opening screen" appears (Z 47 418).



After approximately 10 seconds, the display switches automatically to the display of the "Operating mode selection menu" (Z 57 145).



Z 59 748



Z 59 749

9.4 Operating the Reeving Winch

9.4.1 General

The reeving winch (R1, Z 47 514) is used for assembling the crane to reeve the ropes of hoist 1, hoist 2, hoist 3, luffing gear 1 and luffing gear 2.

The hydraulic system of the reeving winch is coupled with the hydraulic system of the slew gear. You can switch between the two by alternately releasing the brakes.

The auxiliary reeving rope of the reeving winch must be reeved in accordance with the reeving diagrams, however in the reverse order, i.e.

- with the hoist ropes between the sheaves in the boom head and the sheaves of the hook block,
- with luffing rope W1 between the sheaves of the two luffing masts,
- with luffing rope W2 between the sheaves of the luffing lifting beam and the sheaves of the mast point,

9.4.2 Operation

(Z 61 782)

- Preselect the reeving winch by pressing the button (75).



Button (62) "Preselect slew brake" must not be pressed at the same time.

Auxiliary reeving rope "REEL IN":

- Move control lever (3) to the right, at the same time button (6) must be pressed for the dead man's handle.

Auxiliary reeving rope "REEL OUT":

- Move control lever (3) to the left, at the same time button (6) must be pressed for the dead man's handle.



The winch rotation indicator (7) indicates whether the rope drum of the reeving winch "R1" is turning.



If the rope drum of the hoist or luffing gear is moved in the "Raise" direction, the coupling (1, Z 47 514) must be actuated on the reeving winch.



If the ropes of the hoists and luffing gear are not reeved, they have to be secured during transportation with a rope clamp (1, Z 16 288) on the edge of the drum (2). This helps to protect the rope ends (3) against damage as a result of uncontrolled movement of the winches.



- *If higher winds are expected than are permitted (following consultation with the weather authorities) the boom system must be lowered in good time.*
- *With the fly jib lowered*
 - *jib top section is lying on the ground*
 - *boom system is positioned against the wind*
 - *the slew brake is closed**the wind speeds apply in accordance with the main boom table.*

Wind direction

If the crane is to be taken out of operation for a longer period of time (e.g. on the weekend), the crane superstructure and boom must be turned in a direction which would mean that possible storms would approach the crane from behind.

Boom position

The crane is at its most stable against the effects of wind from all directions when the centre of gravity of the entire crane is near the centre of the undercarriage (rotating axis). The position of the centre of gravity can be affected by the angle of the main boom and fly jib.

Back stroke safety devices

Two hydraulic cylinders prevent both the main boom and fly jib from sagging backwards. When the crane is out of operation, the boom must be tilted so far forwards that it cannot be pushed from the front to the back, even under heavy storm conditions, thus avoiding sudden and abrupt activation of the mechanical stops.

Counterweight dolly (optional):

If the counterweight vehicle loaded with the Superlift counterweight is stopped after completion of work, then the outrigger cylinders are to be extended as far out as necessary to relieve the tyres.



To ensure that the outrigger cylinders are not able to sink in as the result of leakage, it is absolutely mandatory that the shut off valves (1, Z 39 467) at the individual cylinders are switched over into lock position.

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