IGLAND

User manual

Log trailer

480 Swingtrac / 580 Swingtrac

Read through the entire manual before using the product. It contains important safety information.

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Thank you for choosing a timber trailer from IGLAND!

This user manual is designed to provide you with thorough information about the use, installation, safety, and maintenance of the equipment.

It is important that you read this manual carefully before using the machine.

The safety of our users is our highest priority. This manual contains important information on how to use the machine safely and avoid potential hazards.

To ensure your safety, we want you to be aware of and consider that accidents, misuse, and equipment failure can lead to dangerous situations. It is important that you position yourself during work so that any accident does not result in personal injury.

The instructions provided in this manual must always be followed. Careless or incorrect use can result in serious injury or death. Modifications or other alterations to the original design of the product are made at your own risk and responsibility. It is important to note that any modification or alteration of the product will void the warranty.

For a valid warranty, please remember that the acceptance form supplied with the product must be returned within 14 days.

If you have any questions or need assistance, please contact our service center at +47 479 20 192. Always state the type, serial number, and year of manufacture when making inquiries and ordering parts.

We are here to help you have a safe and enjoyable user experience.

Product	
	Igland 480 timber trailer
	Igland 580 timber trailer
	Igland 37-64s crane
	Igland 49-68s crane
	Igland 55-75s crane

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AI-translated from the original user manual

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1. EXTRA EQUIPMENT

NB Factory-fitted optional equipment cannot be retrofitted and must be ordered at the same time as a new trailer.

FACTORY-FITTED			
PRODUCT NO.	**DESCRIPTION**	**48**	**580**
IG400051	1601 Hydraulic winch with radio control	**X**	**X**
IG400057	“500” Wheel with reinforced rim, dim. 19/45-17 only without drive	**X**	
IG400063	“500” Wheel with reinforced rim, dim. 19/45-17 only with drive	**X**	
IG400091	Hydraulic Hub Drive - 2 wheels - Black Brown, without steering system	**X**	**X**
IG400092	Control system, for hydraulic hub drive	**X**	**X**
IG402050	Disc brakes on 2 additional wheels (all 4)	**X**	**X**
IG402060	Hydraulic unit, complete with tank and pump system	**X**	**X**
IG409009	Crane light	**X**	**X**
IG426110	Radio or proportional control	**X**	**X**
IG430603	Control center, light two-speed with electric on/off switch	**X**	**X**

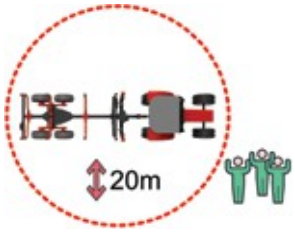
RETROFIT			
PRODUCT NO.	**DESCRIPTION**	**480**	**580**
602001	TRYGG SMT 8 mm Chain, 2 pcs, for 400/60-15.5	**X**	
602002	TRYGG SMT 8 mm Chain, 2 pcs, for 19/45-17, “500”	**X**	
602005	TRYGG SMT 8 mm Chain, 2 pcs, for 500/50-17		**X**
IG300005	1601 hydraulic winch with radio control	**X**	**X**
IG400067	Stiffening struts, 2 pcs, between gate and front stake	**X**	
IG400071	Stake extenders, 30 cm, per piece	**X**	**X**
IG402051	Extra stake set, complete, adjustable	**X**	
IG409008	Extra stake set, complete, adjustable		**X**
IG420065	Telescopic pole for control center	**X**	**X**

2. SAFETY INSTRUCTIONS

2.1 General safety instructions

To ensure safe use of the log grapple, it is important to follow our safety instructions carefully.

- **Read the user manual:** Before using the log hanger and any additional equipment, you must read and carefully review the user manual to understand proper use and maintenance.
- **Area of use:** The log hanger and crane are only intended for loading and moving logs and must never be used to transport or lift people or for any other purpose. The manufacturer is not liable for damage or destruction caused by misuse of the equipment.
- **Safety distance:** Always observe safety distances. Persons other than the operator must maintain a minimum distance of 20 m at all times.



2.1.1 Persons other than the operator must maintain a minimum distance of 20 meters at all times

- **Crane operation:** Only operate the crane from the tractor cab, or at a safe distance from the crane's effective range if you have radio control.
- **Emergency stop:** Ensure that emergency stop mechanisms, such as the ignition lock, are accessible from the driver's seat for immediate use in an emergency.
- **Risk of crushing:** Be aware of the risk of crushing from all moving parts.
- **Risk of tipping:** Always be aware of the risk of tipping during loading and driving. Keep the truck in a stable position.
- **Personal protective equipment:** Always wear the necessary personal protective equipment, including a helmet, safety goggles, gloves, and safety shoes during operation.
- **Modifications or other alterations to the original design of the product** are made at your own risk and responsibility. It is important to note that any modification or alteration of the product will void the warranty.
- **Avoid hazardous areas:** Never walk or stand under the crane while it is in use.

2.2 Safe use

To ensure your safety, please note the following points.

- **Positioning of the timber trailer and control unit:** Ensure that the timber trailer is stable, level, and that the support legs are positioned on solid ground before use. Avoid positioning or handling the control unit in such a way that it poses a risk of accidental operation of the crane.
- **Lifting capacity:** Never lift more than the maximum weight for which the crane arm is designed. See the lifting diagram on the crane boom. Never lift with the maximum load on a short arm/at an angle and then extend/shoot out the crane to its full length. If a crane is subjected to repeated mechanical overloads, this can eventually lead to sudden failure. See the lifting diagram on the crane boom.
  And on page 21.
- **Drive smoothly and steadily with soft starts and stops:** Avoid sudden and jerky driving.
- **Safe operation:** Be careful with the lever or control panel for hydraulic operation to avoid accidental operation. The operation can pull or push the tractor.
- **Do not adjust the pressure on the different sections of the control unit:** Increasing the lifting or swivel capacity of the crane by increasing the pressure settings m a y lead to overloading and serious damage/breakage.
- **Hydraulic oil:** Only use hydraulic oil recommended by the manufacturer (10W-30).
- **High temperature and pressure in the hydraulic oil:** Be aware that hose breakage can occur and that the temperature and pressure in the hydraulic oil can be high.
- **Avoid low temperatures:** Do not use the crane at temperatures below -20°C.
- **When working near live cables,** the operator is responsible for familiarizing themselves with and complying with applicable laws and regulations. Contact or flashovers can cause serious injury!
- **Do not stand under the crane or load.**

2.2.1 Never walk or stand under the crane or load while it is in use

2.3 Loading

- Always use the support legs when loading. Make sure they are placed on a firm surface.
- Pull the poles close to the timber hanger before lifting.
- Make smooth and steady movements. Rapid and uneven movements with the crane increase the risk of tipping, especially with a load hanging from the crane.
- Do not extend the crane further when it is already at maximum load.
- Make sure that the support legs do not drag twigs or sticks that could hit the tractor cab or create dangerous situations.

2.4 Stability

- Always ensure that the weight is centered in front of the middle of the bogie.
- A center of gravity close to the tractor will provide better traction, but will make the timber trailer less stable.
- Be aware of the terrain and avoid driving over stumps, rocks, or uneven ground.
- Be careful when driving down slopes.
- Avoid driving down steep slopes.
- Remember that high loads increase the risk of tipping.
- Never lift the support legs or move the trailer without the crane is positioned on the frame or load.

2.5 Checklist before use

- Make sure you have a full overview of the work area.
- Keep children away from the work area.
- Ensure that all guards and components are in their correct positions.
- Inspect for visible cracks or damage that could affect operation and safety. Any damage must be repaired by qualified personnel before the crane is used.
- Inspect hydraulic hoses and couplings for leaks.
- Inspect bolts to ensure they are intact and free of damage, cracks, or loose nuts.
- Check that the hydraulic oil level in the oil tank is sufficient.
- Lubricate the machine according to the lubrication guide - see guide in the Maintenance chapter.
- Check the tire pressure.
- Check the wheel nuts.
- Ensure that moving parts are not blocked by debris, twigs, snow, ice, etc.
- Check for any movement when the control levers are in the neutral position.
- Check the hydraulic controls for proper response and remove any air from the system by repeatedly operating a function to full travel.
- Check moving parts for slack or unusual noises.

2.6 Storage

- Secure the grab claw to the trailer frame. Turn off the oil supply and release the pressure by operating the levers.
- Maintain any electrical contacts with a corrosion protection agent. If possible, store electrical components indoors.
- Avoid leaving the timber trailer loaded for long periods of time to prevent damage to the equipment.
- Block the wheels to secure the trailer against rolling or sliding.
- Prevent children from climbing or playing on or near the timber trailer.
- Never park the timber trailer with a load.

3. MAIN COMPONENTS

No.	Components				
1.	Bogie	7.	Towing eye	13.	Boom
2.	Stakes	8.	Frame	14.	Stick
3.	Wheels	9.	Mounting flange	15.	Rotator
4.	Grid	10.	Swing cylinder	16.	Claw
5.	Crane base with hydraulic support legs	11.	Swing housing	17.	Attachment for 1601 crane winch
6.	Parking support	12.	Crane stem	18.	Step attachment to crane winch

4. TECHNICAL SPECIFICATIONS

Igland 480 timber trailer	
General specifications	
Length	6,419 mm
Width	2,258 mm
Weight	2,080 kg (without crane)
Wheel size	400/60-15.5
Tire pattern	TR 882 or AS 504
Tire pressure	Max. 2.5 bar
Stakes	3
Brakes	Disc brakes (2 wheels)
Wheel bolts	M18 x 1.5 (6 pcs)
Torque	270-290 Nm
Swingtrac	Yes
Registerable	Yes
Swing in bogie	Yes

Important restrictions	
Maximum weight (off public roads)	11,000 kg
Permitted total weight (public roads)	10,000 kg
Load capacity (without crane)	8,070 kg
Maximum axle load	10,000 kg
Maximum vertical load on tow eye	2,000 kg
Load length	4,519 mm
Load area	2.07 m
Maximum speed	40 km/h

Igland 580 timber trailer	
General specifications	
Length	6,670 mm
Width	2,375 mm
Weight	2,500 kg (without crane)
Wheel size	500/50-17
Tire pattern	Flotation 648
Tire pressure	Max. 5 bar
Stakes	3
Brakes	Disc brakes (2 wheels)
Wheel bolts	M18 x 1.5 (6 pcs)
Torque	270-290 Nm
Swingtrac	Yes
Registerable	Yes
Swing in bogie	Yes

Important restrictions	
Maximum weight (off public roads)	13,000 kg
Permitted total weight (public roads)	12,000 kg
Load capacity (without crane)	9,500 kg
Maximum axle load	14,000 kg
Maximum vertical load on tow eye	3,000 kg
Load length	4,709 mm
Load area	2.72 m2
Maximum speed	40 km/h

Igland 37-64s crane

General specifications	
Claw	0.19
Reach	6,400 mm
Extension	Yes
Working pressure	190 bar
Recommended pump capacity	30-90 L/min (max. 55L/min without radio)
Crane rotation	360
Weight (with claw and rotator)	780 kg
Operation	2-lever, 2-lever light valve or radio

Important limitations	
Torque	10.1 kNm
Lifting force at max. reach (without grapple and rotator)	460 kg
Lifting capacity at 4 meters (without claw and rotator)	800 kg
Lifting torque (gross)	33 kNm
Maximum opening of timber grapple	118 cm

Igland 55-75s crane

General specifications	
Claw	0.22
Reach	7,500
Extension	Yes
Working pressure	190 bar
Recommended pump capacity	30-90 L/min (max. 55L/min without radio)
Crane rotation	360
Weight (with claw and rotator)	1,065 kg
Control	2-lever, 2-lever light valve or radio

Important limitations	
Torque	13.9 kNm
Lifting capacity at max. reach (without grapple and rotator)	550 kg
Lifting capacity at 4 meters (without claw and rotator)	1,050 kg
Lifting torque (gross)	57 kNm
Maximum opening of log grapple	125 cm

Igland 49-68s crane

General specifications	
Grapple	0.19
Reach	6,800 mm
Extension	Yes
Working pressure	190 bar
Recommended pump capacity	30-90 L/min (max. 55L/min without radio)
Crane rotation	360
Weight (with claw and rotator)	850 kg
Operation	2-lever, 2-lever light valve or radio

Important limitations	
Torque	13.9 kNm
Lifting capacity at max. reach (without grapple and rotator)	460 kg
Lifting capacity at 4 meters (without claw and rotator)	730 kg
Lifting torque (gross)	38 kNm
Maximum opening of log grapple	118 cm

5. HANGER COMPONENTS

5.1 Parking support

Lower the parking support when parking the trailer and raise it after the trailer has been attached to a tractor. Secure the parking support with the bolt and pin at the correct height.

The support is only intended to hold the weight of an empty trailer. Do not park the trailer with a load!

5.1.1 Always insert the locking pin through the bolt

5.2 Tow eye

The tow eye is attached to the front of the frame with four bolts. The standard tow eye is rotatable.

5.2.1 Mounting bolts for tow eye

5.3 Crane

The hanger is equipped with a crane, rotator, and claw.

5.4 Bogie with swivel

The bogie can swing up to 25 degrees in each direction.

5.5 Swingtrac

The Swingtrac system consists of a paddle brake on each rear wheel, which can be engaged and disengaged manually. Together with the bogie swing, this improves the trailer's maneuverability.

5.6 Crane foot, grid and support legs

The grid, crane foot and support legs are attached to the frame with a base plate and six bolts. The crane foot with support legs can be detached from the grid and mounted on the tractor's 3-point hitch. It can also be removed if the trailer is to be used without a crane.

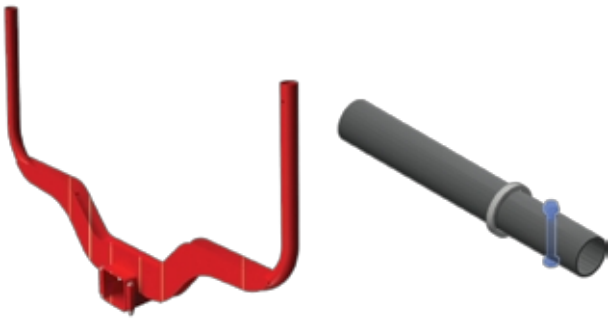
5.6.1 Bolts for attaching the grid

5.6.2 Three-point attachment with support legs

5.7 Stakes

The stakes are attached above the wheels and clamped around the frame. Stakes mounted around the frame can be moved back and forth to the desired position. Additional stake sets can be mounted for better support of timber.

Stakes can be extended by 30 cm (optional extra). The extensions are attached with a bolt.



5.7.1 Stake set and stake extension with through bolt

5.8 Hydraulic unit (optional) The trailer can be equipped with a hydraulic unit to supply oil to the crane. The tank is attached between the grid and the 3-point frame. The pump is driven by the tractor's power take-off.

Always check the oil level before use. Change the oil and filter in accordance
the table in section “10. Maintenance”.

5.9 1601 winch (optional)
The crane can be equipped with a hydraulic remote-controlled winch to pull timber that the crane cannot reach.

See separate manual for more information.

6. INSTALLATION

6.1 Mounting on tractor
Back the tractor up to the trailer and hook the tow eye onto the tow hook. Make sure that the tow hook locks into place. Move the parking support and secure it with the bolt and pin.

6.2 Crane hoses
Connect the pressure hose (ISO coupling/red cap) to a hydraulic outlet on the tractor. Connect the return hose (open coupling/blue cap) to a resistance-free return line or the tank on the tractor.

6.3 Bogie steering
Connect the hoses to a double-acting hydraulic outlet on the tractor. Remove the locking bolt before use. The hydraulic outlet must be closed (not in flow) when not in use!

6.3.1 Bolt for locking the swing

6.4 Rear lights
Connect the 7-pin plug to the tractor's power outlet. Check that the lights are working before driving on public roads.

6.5 Valve location
Place the valve on the telescopic arm (optional extra) or by/in the rear window of the tractor, so that it can be operated from the cab.
Pressure hoses must not be inside the cab!

6.6 Electrical controls
The cable for the light valve, radio control, and/or crane light is connected to the 12V outlet in the tractor.

6.7 Brake
Connect the brake hose to the tractor's brake outlet. Check the function before driving.

6.8 Hydraulic unit (optional)
Connect the pump to the tractor's power take-off. Secure the chain or lever to prevent the pump from rotating. Make sure that the hoses are not bent or pinched when turning and driving on uneven terrain. Also make sure that they do not get caught in the drawbars or other protruding parts of the tractor.

6.9 1601 winch (optional)
Connect the radio to the valve and 12 V power supply from the tractor. See separate manual for further instructions.

6.10 Operation
Connect the hoses to a double-acting outlet on the tractor. An outlet with adjustable oil flow is recommended in order to adjust the speed. NB! The outlet must be in the open position/flow when the operation is not in use. If the trailer does not have a crane, connect the drain hose to the tractor's return line.

6.11 Trailer with control system for operation
All hydraulics are combined in one circuit. Connect the pressure hose (ISO coupling/red cap) to a hydraulic outlet on the tractor. Connect the return hose (open coupling/blue cap) to a resistance-free return line or the tank on the tractor.

Connect the control panel to the trailer and 12V in the tractor.

6.12 Crane foot

The crane foot is removed and fitted without the crane being mounted.

Loosen the diagonal strut between the frame and the crane foot. Make sure that the plate between the grid and the crane foot is loose and does not prevent the crane foot from being lifted off. Secure the crane foot to a suitable
Lifting device. Loosen the two lower bolts and lift the crane foot straight up. The crane foot can then be attached to the tractor using the 3-point hitch.
NB! Do not use a hydraulic top link!

6.12.1 Attaching the 3-point frame

Mounting on the trailer is done by lowering the crane foot onto the square tube. Secure the two lower bolts and the strut to the frame. The bracket for the grid is secured at the same time as the crane is mounted.

6.13 Mounting the crane

To mount a crane on the crane foot, use a crane to lift it into place. Never lift the crane by the cylinders! Make sure that the mounting surface is clean on both the crane and the base.
Place the crane in the correct position and fit the bolts and nuts with lock washers.

Tighten the bolts to a torque of 600 Nm.

If the crane is used on a 3-point frame on the tractor, do not use a hydraulic top link!

7. TRANSPORT

Place the grapple claw on/around the trailer frame or on the load. Extending the crane backward will distribute more weight to the bogie, making an empty trailer more stable. Ensure that the parking leg and support legs are in the upper position before transport. Turn off the oil supply from the tractor (or PTO) to prevent unwanted movement of the crane or support legs.

Position the bogie steering bolt when driving on the road. Ensure that lights are visible and that branches do not protrude from the trailer. Be aware of weight restrictions in the vehicle registration document. The driver is responsible for ensuring that transport is carried out in accordance with laws and regulations.

NB! Never use hydraulic operation above 5 km/h.

8. PARKING AND STORAGE

Empty the trailer before storage. Place the grab claw around the trailer frame. After the oil supply has been stopped, release the pressure in the valves by moving the levers. Disconnect all hoses from the tractor, lower the parking leg, and detach the tow eye from the tractor. Lock the wheels with wheel chocks or similar to prevent the trailer from rolling.

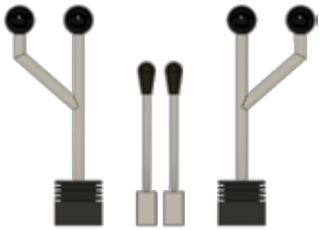
For long-term storage, the crane and trailer must be lubricated. Visible cylinder rods must be covered with protective grease to prevent corrosion.

Electrical components should be stored in a dry place. Check for moisture inside before storing for long periods.

9. OPERATION

9.1 Control units

9.1.1 Overview of control units

	From top	From the side
Standard 2-lever All functions are operated using lever controls on the hydraulic control panel.		

	Front	Rear
Light valve Combined lever control and electric control. Four functions are controlled with levers, and four functions are controlled electrically with on/off buttons.		

	Front	
Radio The crane and outriggers are operated using a wireless radio transmitter. The crane itself is operated using two joysticks on the radio transmitter.		

9.1.2 Standard 2-lever

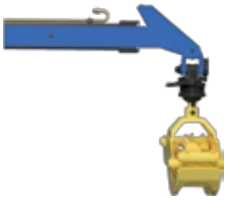
Description	Control unit	Illustration
Support legs Center levers Up/down		
		

Description	Control unit	Illustration
Stick Left lever Up/Down		
		
Turn Left lever Left/right		
		
Boom Right lever Up/down		
		
Eject Left lever Up/down		
		
Rotator Right lever Left/right		
		

Description	Control unit	Illustration
Claw Right lever Up/down		
		

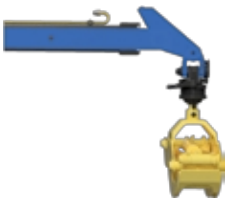
9.1.3 Relief valve

Description	Control unit	Illustration
Support leg Push buttons on the back of both levers		
		
Plug Left lever Up/down		
		
Turn Left lever Left/right		
		
Boom Right lever Up/down		
		

Description	Control unit	Illustration
Eject Push buttons on the front of the left lever		
		
Rotator Right lever Left/right		
		
Claw Push buttons on the front of the right lever		
		

9.1.4 Radio

Description	Control unit	Illustration
Support leg Press the dead man's switch and use the toggle switches on the right-hand side Up/down		
		
Stick Left joystick Up/down		
		

Description	Control unit	Illustration
Turn Left joystick Left/right		
		
Boom Right joystick Up/down		
		
Eject Rotate Left joystick		
		
Rotator Right joystick Left/right		
		
Claw Rotate right joystick		
		

9.2 Loading

Lower the support legs before loading. Make sure that the legs are positioned on a firm surface. Steer the crane towards the timber and open the grapple. Grasp a suitable amount of timber with the grapple and lift it onto the trailer. Always pull the timber towards the trailer before lifting to reduce the lifting load. Reduce the load if the crane struggles to lift it.
Never extend the crane further when it is already at maximum load!

Operate the crane with calm and steady movements. Rapid and uncontrolled movements will increase the risk of tipping and injury. Always pay attention to the stability of the trailer. When operating the crane, the trailer will be less stable with a smaller load.

Make sure that short logs are supported by at least two stakes, or place them on top of longer logs.

Always keep transport in mind when loading. Ensure that the weight distribution and size of the load are suitable for the terrain. Long logs may touch the ground if placed at the bottom.

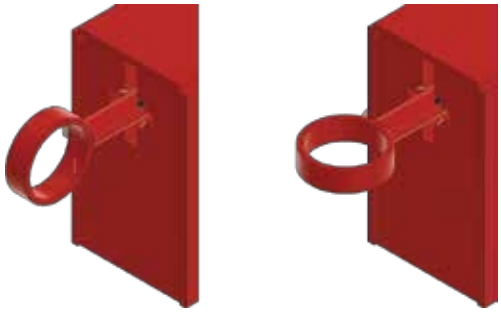
When unloading, grab a suitable load and place it in the desired position. Be careful to avoid grabbing the frame or stakes.

9.3 Bogie steering

The bogie's steering system is used to maneuver the trailer easily. It can be used for normal turning, reversing, turning around, and to make the trailer follow the tractor's tracks. Obstacles such as stumps, etc. can be avoided by turning around them. Always lock the steering with a bolt when driving on public roads.

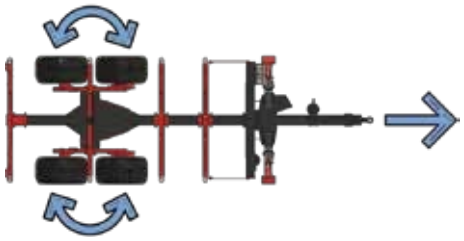
9.4 Swingtrac

Pull out the lever, turn it 90 degrees and release to engage or disengage the Swingtrac system. Always disengage Swingtrac before reversing or driving on public roads!



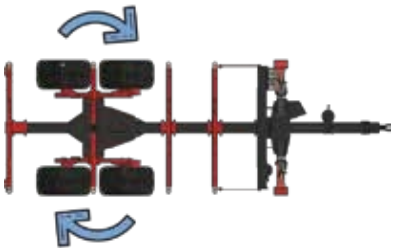
9.4.1 Engaging and disengaging Swingtrac

Together with the bogie swing, the swingtrac can be used to move more easily across terrain. If necessary, propulsion can be achieved by swinging the bogie back and forth. One wheel will then rotate forward, while the other remains stationary, pushing the trailer forward.



9.4.2 Propulsion using swingtrac

When negotiating an obstacle, swing the bogie so that the obstructed wheels are in the rear position. When the bogie is swung in the opposite direction, the other pair of wheels will remain stationary, pushing the wheels over the obstacle.



9.4.3 Clearing obstacles using swingtrac

The load on the trailer will affect the function of the swing-trac system. More load on the bogie gives the wheels better friction, so that the locked wheel pair does not slip backwards.

9.5 Operation

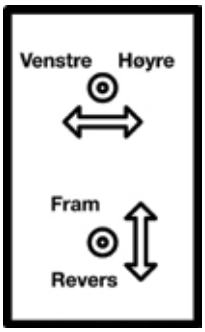
Hydraulic drive is only designed to provide extra traction when needed. During road transport and normal driving on light terrain, the drive should be disengaged. The load on the trailer will affect friction of the wheels. With an empty trailer or small load, the wheels may spin if the tractor is not driving fast enough.

Simple operation without a control system is achieved by activating the tip-out lever in the tractor to which the drive is connected. Adjust the speed by regulating the tractor's engine speed and oil flow.

Test drive the operation on a flat area before using it in the terrain. Familiarize yourself with the driving speed at different engine speeds and oil quantities from the tractor. If the trailer is pulled faster than the engines themselves are running, this will lead to increased wear.

9.6 Control system for operation

Operation and control are controlled by toggle switches on the control panel. Place the panel in a safe place in the tractor to avoid accidental contact.



9.6.1 Overview of control panel for turning and operation

10. MAINTENANCE

10.1 Service table

Interval	Component	Description
"Every 5 hours up to the first 50 hours"	Lubrication points	Lubricate with grease
First 10 hours	Wheel nuts	"Retighten to 270-290 Nm"
	Towing eye	Retighten to 430 Nm
	Grid/crane base and stakes	Tighten to 350 Nm
	"Crane - Bolts on mounting flange"	Retighten to 600 Nm
	"Crane - Bolts in joints to boom and jib"	Retighten to 700 Nm
	"Hydraulic motors for operation*"	Retighten to 330 Nm
Every 10 hours	Lubrication points	Lubricate with grease
First 20 hours	Swing frame	Oil change - 80W-90
First 50 hours	"Pressure filter (hydraulic unit/radio)"	Insert replaced
	"Pump gearbox (hydraulic unit)"	Oil change - 80W-90
"Every 100 hours/annually"	Wheel nuts	"Retighten to 270-290 Nm"
	Towing eye	Retighten to 430 Nm
	Grid/crane foot and stakes	Tighten to 350 Nm
	"Crane - Bolts on mounting flange"	"Retighten to 600 Nm (bolts with nuts) and 350 Nm (bolts without nuts)"
	"Crane - Bolts in joints to boom and stick"	Retighten to 700 Nm
	"Hydraulic motors for operation*"	Retighten to 330 Nm
First 200 hours	Wheel bearings	Check for slack
"Every 400 hours/annually"	Swing frame	Oil change - 80W-90
"Every 500 hours/annually"	"Pressure filter (hydraulic unit/radio)"	Insert replaced
"Every 1000 hours/ 6 months"	"Pump gearbox (hydraulic unit)"	Oil change - 80W-90
Every 1500 hours	Wheel bearing	Check for slack
Every 3000 hours	Wheel bearings	Lubricate with ADR Lithogrease 3
"Every 4000 hours/every two years"	Hydraulic unit	Oil change - 10W-30

** Remove the round cover on the inside of the front wheels.*

10.1.1 Cover for access to hub motor bolts

10.2 Checking for slack in wheel bearings

Lift the wheel off the ground and place a lever, crowbar or similar between the wheel and the ground. Lift the lever to reveal any play in the wheel bearings.

If there is play in the bearings, contact your dealer or workshop for adjustment.

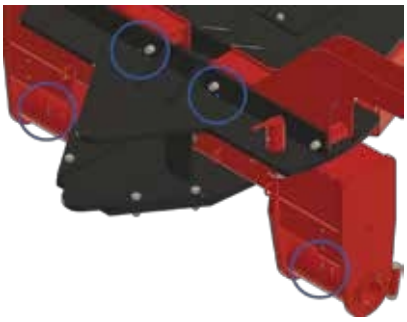
10.3 Lubrication points

The following points must be lubricated in accordance with the lubrication intervals:

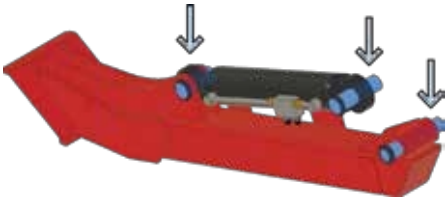
10.3.1 Towing eye

10.3.2 Swivel cylinders for bogie Both sides of the trailer

10.3.3 Swivel locking bolt



10.3.4 Bogie
Also lubricate the surface where the swivel frame slides
against the trailer frame



10.3.5 Support legs
Both sides of the trailer

10.3.6 Motors for operation

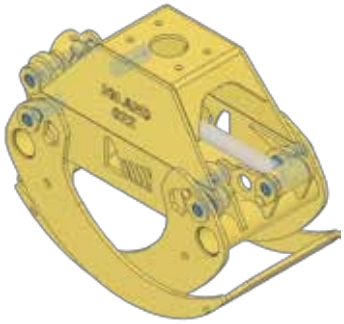
10.3.7 All cranes

10.3.8 Joint between boom and jib for 37-64s and 49-68s cranes

10.3.9 Claw (0.19)

10.3.10 Extension on all cranes

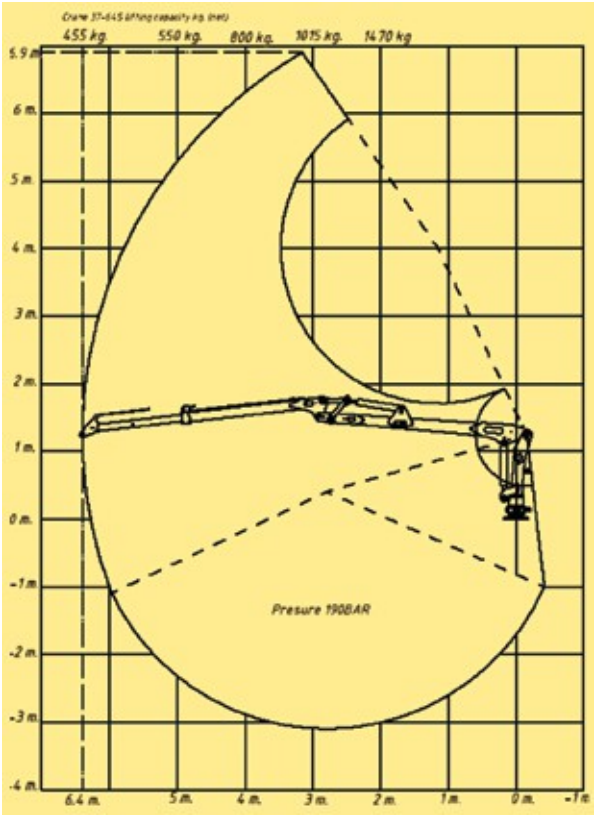
10.3.11 Joint between boom and jib for 55-75s crane



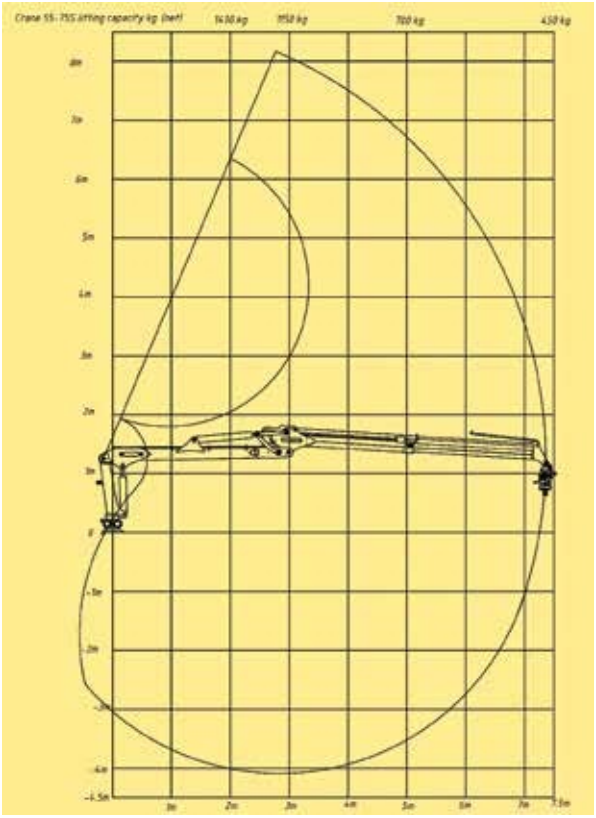
10.3.12 Claw (0.22)

11. LIFTING DIAGRAM

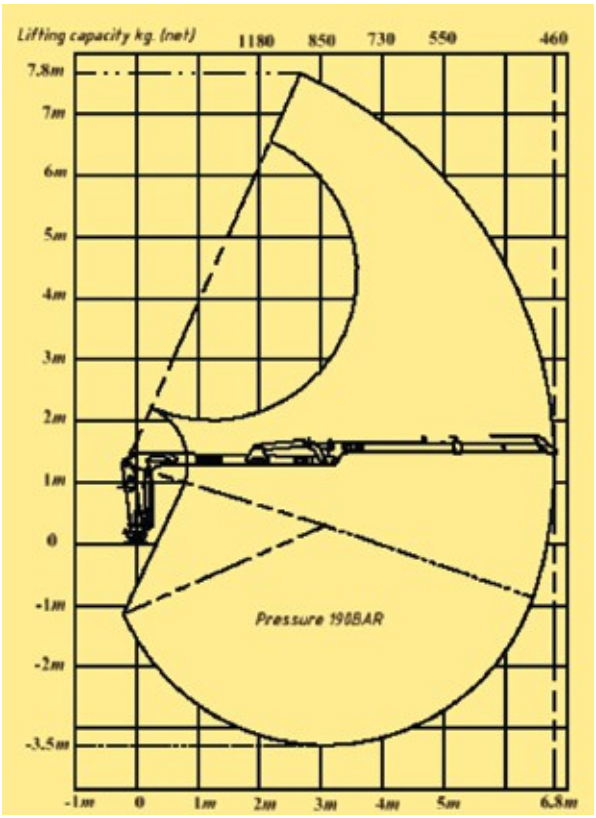
Lifting diagram for cranes illustrating lifting capacity at different ranges. The weight of the claw is included in the total weight specified. The weight of the claw is ~100 kg.



37-64S Lifting diagram



55-75s Lifting diagram



49-68s Lifting diagram

NOTES

NOTES

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Our Workshop and Service Center in Mandal provides technical support for all our products.

We service and repair older and well-used winches.
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