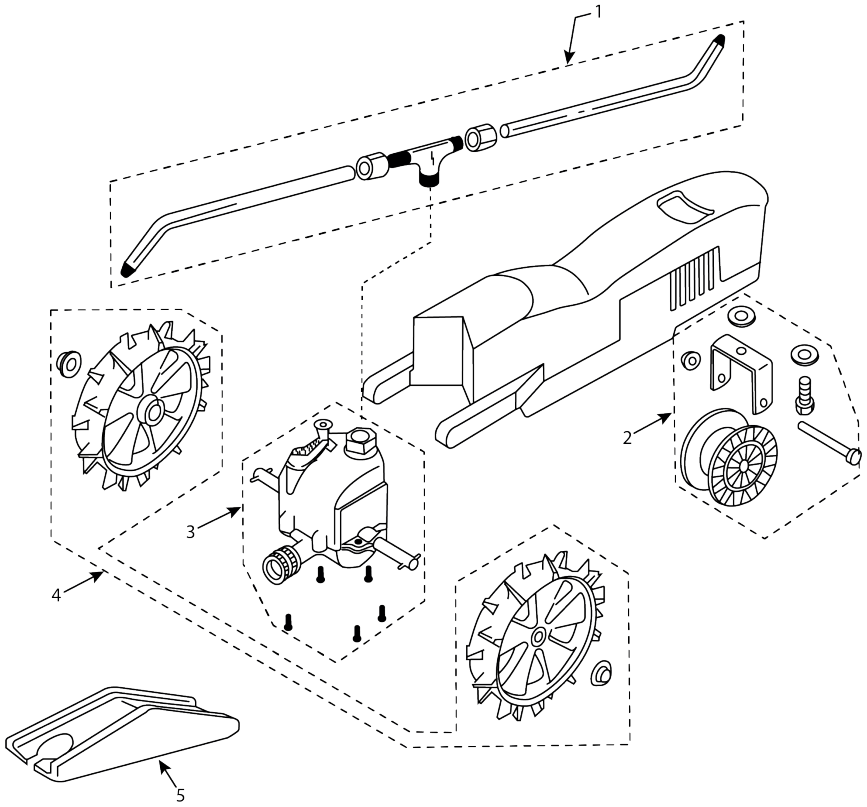
Spare parts AGM water tractor



Pos.	Description	Catalog nr.
1	Rotor complete	1735000012
2	Frontwheel complete	1735000009
3	Gearbox complete	1735000011
4	Rear wheel set	1735000010
5	Stop ramp	1735000013

FASTERHOLT

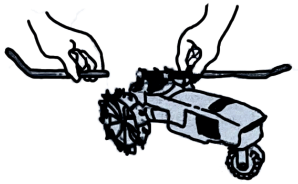
FASTERHOLT

Installation and operating guidance for Nelson Water Tractor

WARNING!
Max. water pressure 3 bar
3/4" hose not over 25 m long
1/2" hose not over 50 m long

1. Installation of sprinkler arm

Attach and tighten the black T-piece on top of the motor. Then screw the sprinkler arms as far into the T-piece as they can go, and tighten the locknuts until the arms feel stable when you turn them.



2. Turning the arms so they point in the right direction

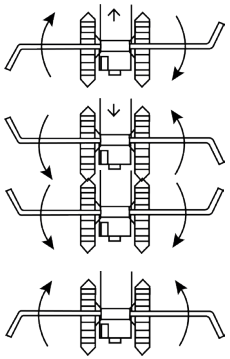
It is important that the arms are positioned correctly; otherwise, the water tractor will not move forward as it should or may not move at all.

Correct
The water tractor will move forward.

Incorrect
The water tractor will move.

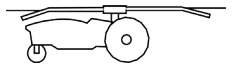
Incorrect
The water tractor will not move.

Incorrect
Vandtraktoren will not move.

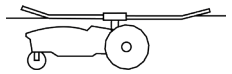


When you have the sprinkler arms pointing in the right direction, adjust the angle of both arms so the water spreads from 5 to 20 meters.

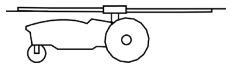
For a narrow 5-meter spread, the arms should point slightly downward. Rotate the arms in a clockwise circle to ensure they do not hit the water tractor.



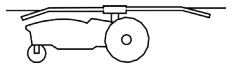
For a maximum 20-meter spread, the arms should point upward at an angle of about 30°.

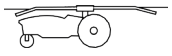
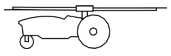
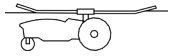
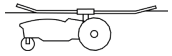


If it is very windy, position the arms horizontally.



Incorrect
Do not let the arms point too far downward, as they may hit the water tractor and cause it to stop.



Placement of arm								
Spread	5 m		10 m		15 m		20 m	
Precipitation [mm] (ca.)	17	25	8	19	6	13	4	6
Gear	High	Low	High	Low	High	Low	High	Low

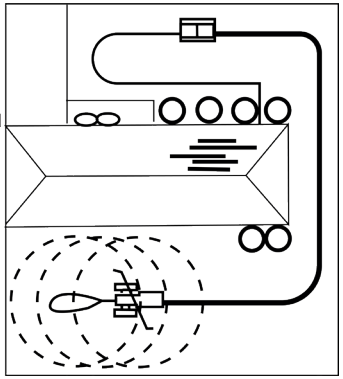
The assumption for the calculations in both tables is that a 3/4" hose up to 25 meters long is used. Average water pressure is 2.75 bar.

Max. driving distance [m]	Average speed [m/hour]		Average precipitation [mm]		Watered area [m²]			
	High gear max	Low gear min	High gear	Low gear	Maximum width	Maximum area	Effective width	Effective area
25	11	6	6	12	17	1260	15	1100

The driving distance may vary depending on the weight of the hose.

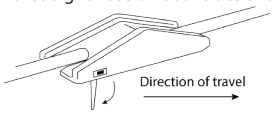
3. Laying out the hose

Lay out the hose in the path you want your water tractor to follow. A 3/4" hose is recommended (a 1/2" hose can be used; however, due to the smaller diameter, there is a slight chance that the water tractor may come off the hose and move in the wrong direction). The water tractor is designed for watering well-established lawns. For newly seeded lawns, it is suggested to use a standard stationary sprinkler.



4. Setting up the stop ramps

Attach the stop ramp to the hose where you want the water tractor to stop. (Ensure there is 15 cm of straight hose on both sides of the stop ramp.) If you are using a 1/2" hose, fold out the stake on the underside of the ramp to anchor it in the ground.

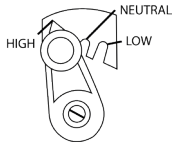


5. Connecting the water tractor

Place the small front wheels directly over the hose, with the large rear wheels on each side of the hose.

6. Adjusting the speed

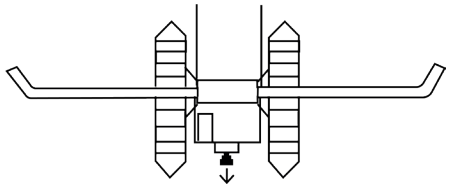
The water tractor will travel at 0 to 20 meters per hour depending on the gear you choose: high or low. Pull up the gear selector knob and move to high gear if you want less precipitation. If low gear is selected, the water tractor will travel more slowly and therefore spread more water over a given area. If you want the water tractor to stop and water a specific area, shift to neutral.



7. Starting the water tractor

Before starting the water tractor, ensure that the stop mechanism on the underside of the tractor between the large rear wheels is engaged. Then open the water valve and monitor how the tractor moves across the lawn in the path you have determined while laying out the hose.

NOTE: If the tractor stops immediately after the water is turned on, close the water valve, re-engage the stop mechanism, and then slowly reopen the water valve.

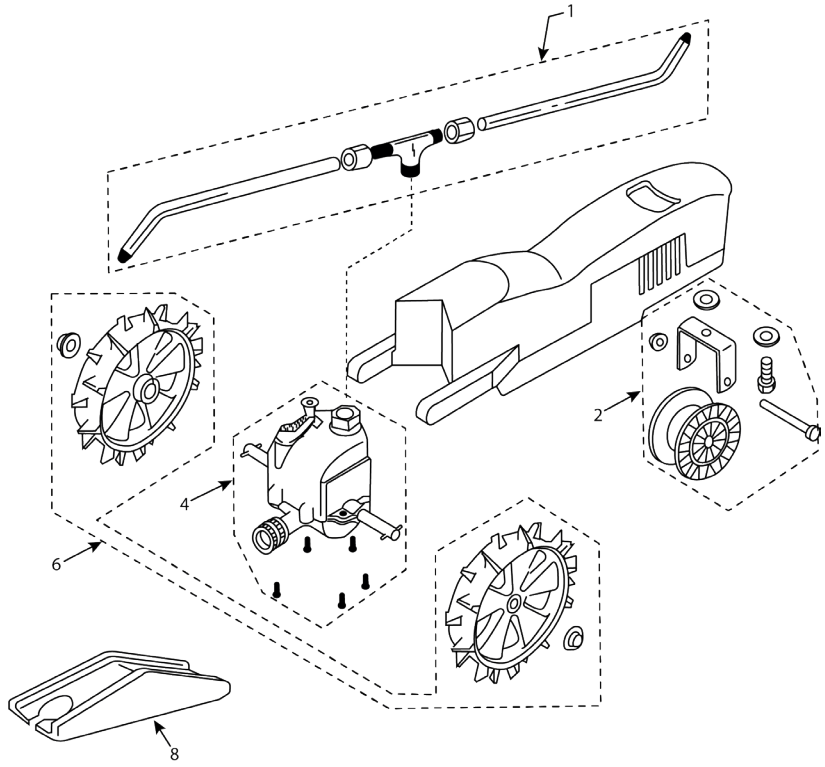


8. Stopping the water tractor

When the water tractor drives over the stop ramp, the stop mechanism is pushed up, and the water supply is interrupted. If the hose and water tractor need to be moved to another location on the lawn, first close the water valve. It will be very difficult to retract the stop mechanism if the pressure has not been released from the hose. Therefore, let some water out of the hose. Then retract the stop mechanism to prepare for a new watering, and lay out the hose in a new path on the unwatered part of the lawn.

9. Maintenance of the water tractor

Follow these instructions to keep the tractor performing at its best:
Keep the hose coupling filter clean. If the water flow through the sprinkler arms seems a bit weak, check if the filter is clogged. If not, clean the sprinkler arms. Avoid dropping the water tractor as this can cause damage. The water tractor should be emptied before being stored for winter. Freezing water in the engine can cause damage. To empty the water tractor, turn it upside down with the wheels facing up and support it against a wall. Let it sit in this position for 5 minutes until all the water has drained out.
NOTE: Ensure that the stop mechanism is retracted so that the water can drain out.



10. How to avoid damage to the engine and gearbox

WARNING!
Max. water pressure 3 bar
3/4" hose not over 25 m long
1/2" hose not over 50 m long

The water tractor must not be pushed or pulled while watering. Do not let it get stuck in mud, wet grass, or similar conditions where the wheels keep turning without the water tractor moving. The spikes on the wheels are designed for traction over grass. Never use the water tractor on sidewalks or driveways. Such misuse can result in serious damage to the engine.

We hope you find this user manual helpful. If you have any questions after reading it, please feel free to contact us.

Best regards,
Agrometer A/S