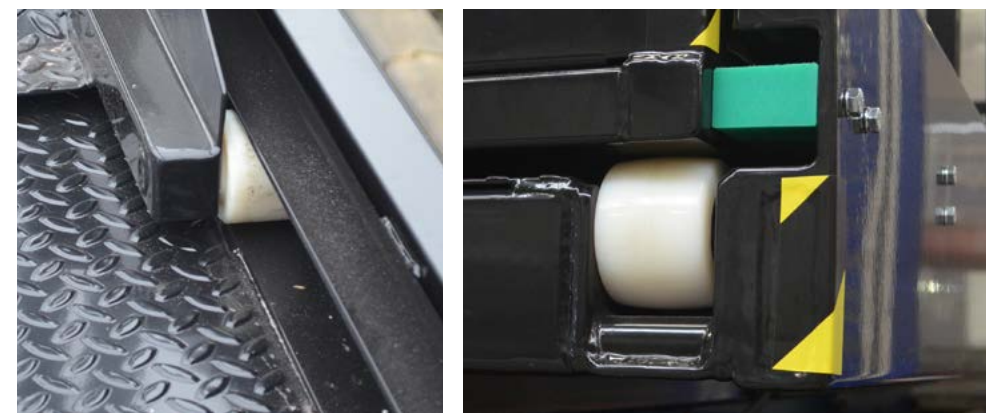


400TS-SERIES

FEATURES AND BENEFITS

Platform

- Rigid heavy duty square guardrail tubing 40mm and 4 mm thinness.
- Diamond steel surface plate for extra grip
- Double extension deck with incremental locking positions
- Max floor space, width of deck is equal to chassis width.
- One-hand smooth operation of Roll-out decks, thanks to roller type bearings. Bearings as well on the surface as on the support for the decks.
- Impressive lifting capacity up to 800 kg.
- 250 kg capacity on roll-out decks.
- Both deck extended creates an ergonomic working area of 5 meter length by 1,6 meter width.
- Integrated harness attachment points.



Roller type bearing for very smooth roll-out deck operation

Control box - upper controls



- Heavy durable, fibreglass reinforced, water sealed control box.
- Thanks to the light weight aluminium bracket system, the control box can be mounted LEFT, RIGHT or CENTER, and on any guardrail. Facilitating true visibility when operating in tight areas.
- Military type toggle switches with rubber protection boots.
- Easy to operate twin set-up joystick control for proportional lifting and operating the drive tracks.
- Each joystick operates a single drive track, giving exact control of drive motion!



The electric cable can be easily detached by means of heavy duty, environmentally sealed, circular connector, with quick connect-disconnect bayonet coupling. Less brake-down time in the field due to damaged cable.



easy one-hand operation

Control box - upper controls

- Optional AC outlet can be applied on the machine.
- This 220Vac outlet can be powered on, simply by the flip of a toggle switch. A yellow LED gives the operator the information that the AC power outlet is active.
- Several configuration possible for the 220Vac outlet. Also in other voltages and frequencies.
- The AC outlets are safely, but easy accessible mounted on the platform.
-



Double AC outlet, well protected by steel structure.

Scissor stack



- Heavy duty scissor stack with double lifting cylinders for maximum rigidity
- Easy access to lubrication points and maintenance.
- Double scissor locking arm.
- Pivot pins overdone thickness, preventing any deflation.
- Angle transducer integrated in scissor stack determine platform height, no use of mechanical switches.



Heavy thickness scissor arm.



Easy access to lubrication points

Chassis - models



- Components are well secured by steel covers, though easily accessible by means of dedicated key.
- Opening the covers provides clear access to all components.



- One cover / module is dedicated for storage of critical tooling and personal belongings.

Control box - lower controls

- The lower control box is made out of heavy duty steel with environmentally sealing.
- Within this control box all control module are situated, all 'logic' of the unit is centralised at this one controlbox.
- The lower controls give access to several main function, featuring for testing and securing.
- The engine can be started and stopped, lower and lifting can be done from lower controls, and also the levelling can be achieved from the lower controls.



- The onboard diagnostic center allows easy trouble-shooting and diagnostics. It gives full access to all parameters, settings and give live info about sensors and readings.

Control box - lower controls

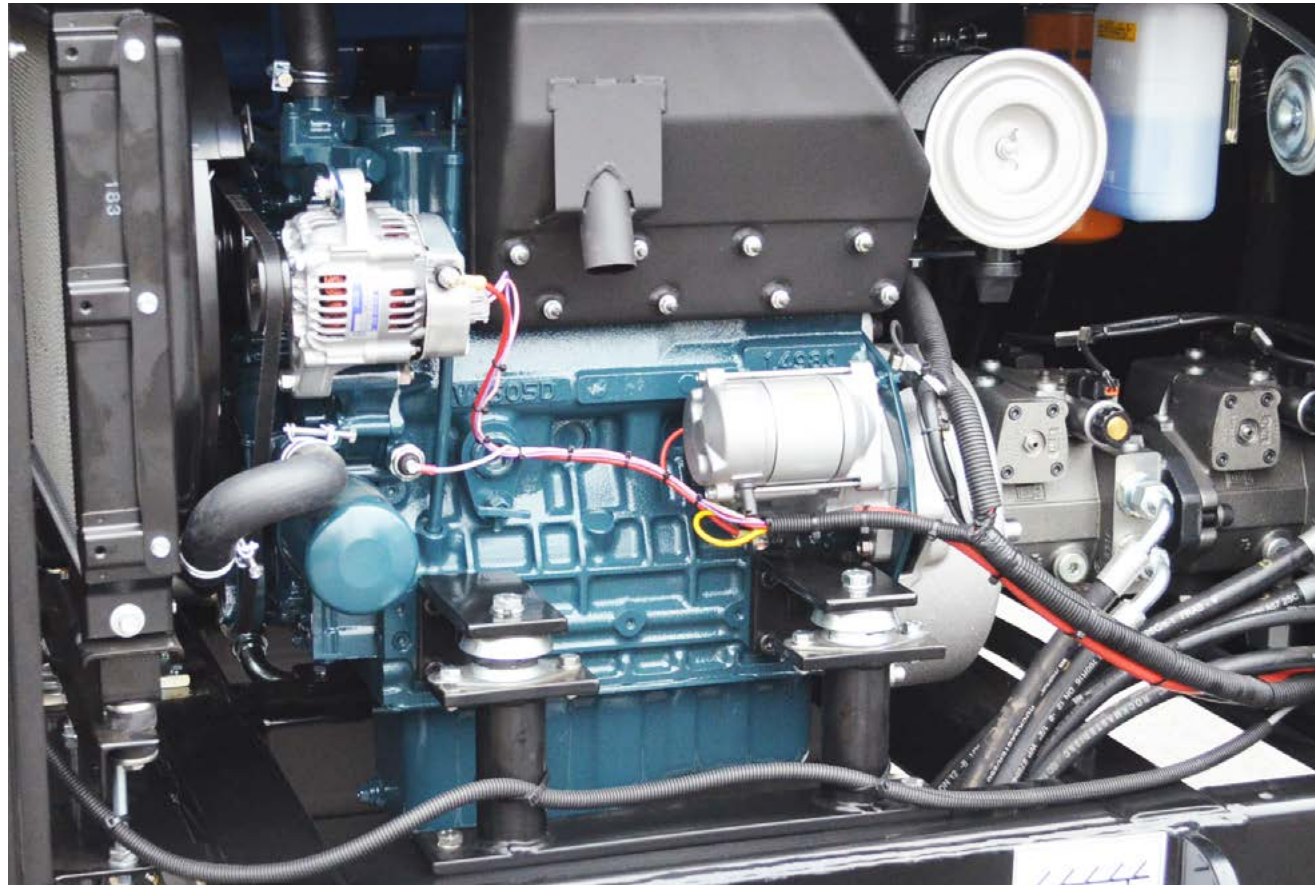


- All electric connection going in and from the lower control box are done by heavy duty, environmentally sealed, circular connector, with quick connect-disconnect bayonet coupling.

- In the unlikely scenario the cable lower - upper controls is damaged, a dedicated plug is situated at the lower control box. On this plug the upper control station can be connected to, which gives same controls as having the upper control box situated on the deck.



Chassis - engine



- The main power source of the 400TS is the powerful KUBOTA V1505 engine. Providing a 25kW power supply.
- The engine powers up three hydraulic pumps, 2 axial piston pumps dedicated for driving - each piston pump drives on track. A third pump is for all other functions.
- The engine compartment and compartment for hydraulic pumps are very easy to reach to maintenance, inspection and service.
- The electric cable loom on the engine has unique colour coded wiring, thus giving the technician a step a-head doing trouble shooting.
- The KUBOTA ENGINE fulfils the Emissions Regulations to comply with the standard STAGE IIIb / TIER 4.

Chassis - levelling

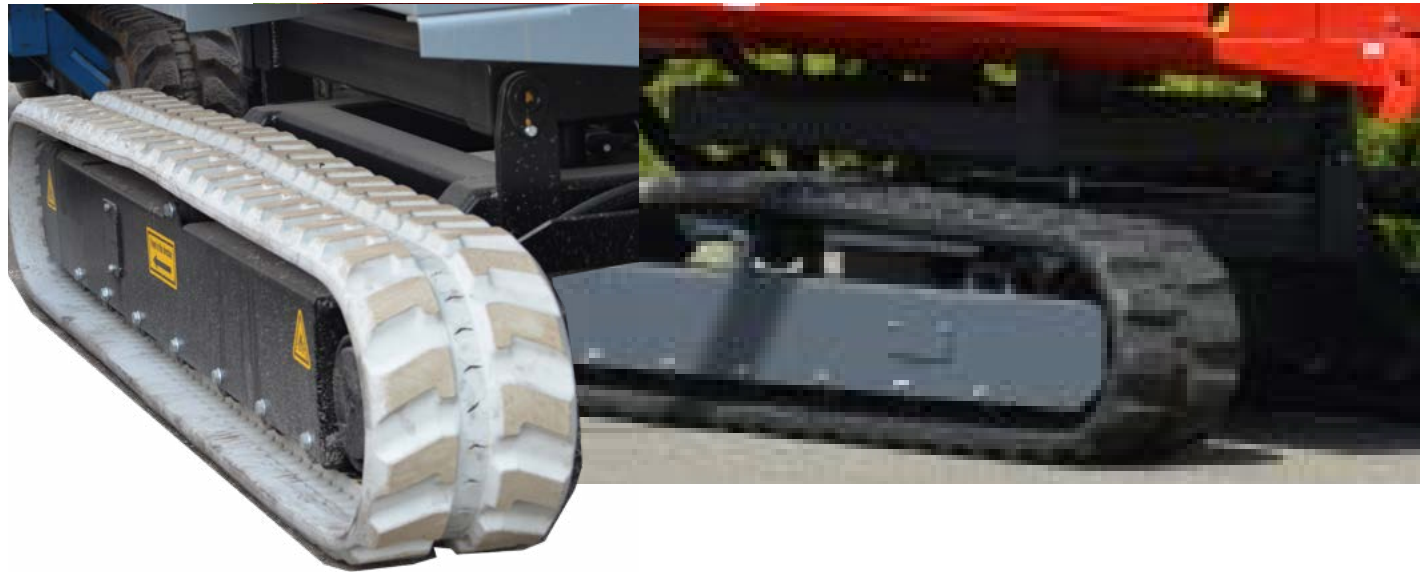
- A very impressive level capability of the chassis gives the flexibility of level the platform, while the tracks are set upon un-level surface. No need for slow operated outriggers, and now limitation on driving an un-even surface.
- The levelling operates via toggle switches from the upper controls **MANUAL** or fully **AUTOMATIC**



*10 degrees Leveling capabilities -
side to side*

*6 degrees Leveling capabilities -
fore to aft*

Tracks - driving



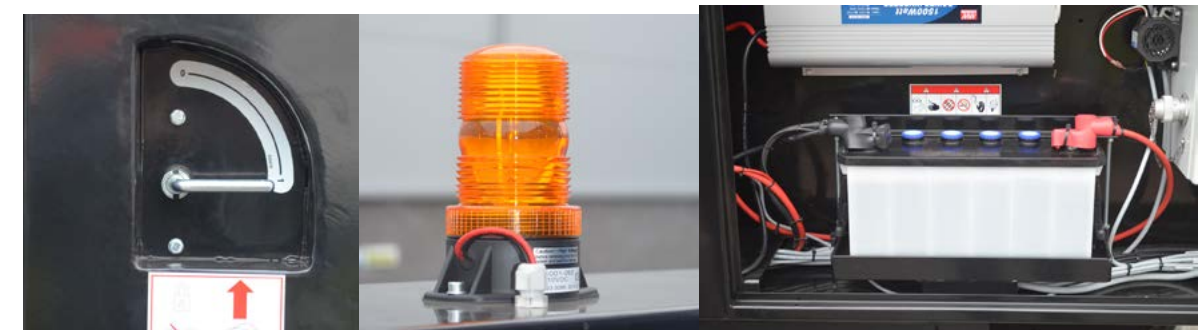
- Driving is done via two individual rubber tracks, each track is driven by an dedicated axial piston pump. The driving is arranged via an electric pwm feed back controller signal at 400Hz. The hydraulic system between drive motor and pump is a so-called close-loop system. With the accurate and precise electrical inputs, and the dedicated single set-up hydraulic propulsion per track, gives the operator supreme precise controls, and at the same time having maximum torque for extreme rough applications.
- Optional tracks can be supplied in NON-marking.



High torque drive motor

Other features

- Complies with the Machine Directive and EN280:2015
- Type approval carried out by Notified Body: SGS Nederland.
- Custom colours - up to three colours
- Drive speed up to 2 km/h - several drive speeds can be selected, for more speed or for better accuracy.
- 10,5 meter working height
- Oversized semi-traction battery, for maximum durability!
- Warning beacons standard applied - ensuring extra safety for the surrounding area.
- Master-key for locking entire unit.
- All hydraulic hoses are double and some even triple layered steel.
- OMEGA 400TS series cover a versatile, easy to use, ergonomic work platform for applications that are be considered as extreme!



This image shows a full page of white paper with horizontal ruling lines. The word "Notes" is printed at the top left in a large, bold, black font. Below it, there are approximately 28 evenly spaced horizontal lines extending across the width of the page, providing space for writing.

Specifications

	405TS	408TS
Working height	10,5 m	10,5 m
Max. platform height	8,50 m	8,50 m
Transport height	2,90 m	2,90 m
Max. drive height	5 m	4 m
Platform sizes		
- Length (inside)	3,00 m	3,00 m
- Length - deck extended	5,23 m	5,23 m
- Width	1,50 m	1,50 m
- Height guardrails	1,10 m	1,10 m
- Height toaboard	150 mm	150 mm
Lifting capacity	500 kg	800 kg
Length	3,00 m	3,00 m
Width	1,60 m	1,60 m
Ground clearance	330 mm	330 mm
Weight	4.500 kg	4.500 kg
Drive speed	0,55 m/s	0,55 m/s
Gradeability	35%	35%
Allowed windspeed	12,5 m/s	12,5 m/s
Length tracks	2,65 m	2,65 m
Tracks width	300 mm	300 mm
Hydraulic tank capacity	100 liter	100 liter
Battery voltage	12Vdc	12Vdc
Capacity battery	135Ah	135Ah
Allowable working temperature	Min - 5°C max 45°C	Min - 5°C max 45°C
Levelling capability	Manual of automatic	Manual of automatic
left / right	-5° / 5°	-5° / 5°
fore / aft	-3° / 3°	-3° / 3°



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