

Technical Data TL855/TSL855



Engine

Make	TSL 855
Type	TL 855
Performance	DEutz
Cylinders / stroke volume	BF4L 2011
Cooling system	50 kW (68hp) at 2,300 rpm.
	4 in line/ 3.108 ltrs.
	oil / air

Waste gas values acc. to 97/68/EC; stage II.
Dry air filter with safety cartridge and pollution indicator.



Drive Unit

power-controlled hydrostatic drive unit with maximum-load control, i.e. automatic adaptation of traction power and speed; creep speed gearshift via rotary potentiometer steadily adjustable 0 - 20 km/h travelling speed can be reduced at full engine revolutions via an inch/brake pedal, giving at the same time more power to the working hydraulics operating ranges shiftable under load

Front axle:	planetary rigid axle with multiple-disc self-locking differential, rigidly mounted
Rear axle:	planetary rigid axle with reduction gear, swingingly suspended with multiple-disc self-locking differential and multiple-disc brake, rear axle oscillation +/- 12°
Working operation:	0 - 7 km/h
Road operation:	max. traction power / limited speed
Option:	0 - 20 km/h
	max. traction power / limited speed
	0 - 25 km/h high-speed version
	as another option 0-38 km/h



Brakes

Service Brake

hydraulic foot-operated brake actuating two oil-immersed multiple-disc brakes effective on all 4 wheels via the all-wheel drive hydrostatic drive unit acting as wear-resistant auxiliary service brake

Parking Brake

mechanical operation of multiple-disc brake



Tires

Front and rear	405/70 R 20 MPT 01
Option	405/70 R 20 EM 01

Special tires on request.



Steering

Articulated steering, fully hydraulic via priority valve, quick and easy steering even at idling speed.
Total steering angle 80°.
In case of non-running engine, emergency steering characteristics of the wheel loader are provided.



Hydraulic System

Working / Steering hydraulic, pump discharge max. 76 l/min.
Working pressure, loading / steering hydraulics 200 bar/ 180 bar
Lifting, tipping and swivelling* cylinder double acting.

Control unit with electro-hydraulic anticipatory control proportionally load-independent.

Control block with 4/5* operating circuits.
Single-lever cross-type control for lifting / tipping / swivelling* and telescopic cylinder and additional control circuit for quick-change device and attachments.



Loading System

Hydraulic quick-change device as standard.
Sealed bearings with prolonged lubrication intervals.
Telescopic loading system with parallel kinematics.
Swivelling device 180° (2 x 90°) steadily swivelling.



Filling Capacities

Diesel fuel	80 l
Hydraulic system	65 l



Dimensions and Weights

TSL 855 acc. to drawing TL 855 acc. to drawing
Operating weight 6,900 kg Operating weight 6,200 kg



Electrical Equipment

Generator, three-phase current	14 V/ 60 A
Starter	2.2 kW/ 12 V
Battery	12 V/ 88 Ah
Battery voltage	12 V

Lighting acc. to StVZO (German Motor Vehicle Construction and Use Regulations) with halogen headlights.



Noise Emission Level

Guaranteed noise level: acc. to directive 2000/14/EC.

Cabin

Standard Equipment

large, elastically supported cabin (ROPS-FOPS) granting all-round view, with plane entrance on both sides;
parallel windshield wiper in front and rear with "parking position" and windshield washer, interval mechanism for wiper in front;
tinted safety glazing, rounded panoramic front and rear window, sliding window on the right; fully adjustable, ergonomic comfortable driver's seat with disc support, safety belt;
steering wheel and instruments console adjustable as to inclination and height; adjustable engine oil heating with defrosting nozzles for front and rear window, 3-stage ventilator for fresh air and circulating air; service hour meter, fuel indicator and all other necessary operating, controlling and indicating instruments clearly arranged on the instrument board; 12 V plug socket; commutator switch, switch for additional control circuit, pushbutton for extending and retracting and pushbutton for parallel guidance cylinders integrated in the joystick, swivelling device 180°* sensitively controlled via joystick, joystick moving together with the seat; 1-key system, interior lamp, sun shield, inside mirror, battery main switch; folding outside mirror on both sides, 2 working headlights in front of the cabin

Special Equipment

Options:

heated outside mirrors electrically adjustable;
working headlight in the back of the cabin;
panoramic lamp; acoustic reversing signal;
radio, air conditioning plant, anti-theft device;
comfortable driver's seat with pneumatic cushioning;
central lubrication system, pre-filter for coarse-grained dust, safety device against pipe breakage;
pressureless return pipe in front, additional control circuit for attachments;
shock absorption system for loading system;
first filling with biological oil, protective paint against aggressive agents;
soot filter system, spare wheel, catalyzer;
universal shovel, lifting fork, load hook, power sweeper, snowplow, etc.

*only for TSL 855
Other options on request