

Technical Data



Engine

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

Engine

RL 655
 Type F4L 2011
 Performance 42kW (58hp) at 2,300 rpm.
 Cylinders / stroke volume 4 in line/ 3.108 ltrs.
 Cooling system 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, rigid 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
 max. traction power / limited speed

Road operation: 0 - 20 km/h
 max. traction power / limited speed

Option: 0 - 25 km/h high-speed version
 as another option 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

	RL 855	RL 655
Front and rear	405/70 R 20 MPT 01	12.5-20 R20 MPT 04
Option	405/70 R 20 EM 01	405/70 R20 MPT 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.



Loading System

Hydraulic quick-change device as standard.

Sealed bearings with prolonged lubrication intervals.

Z-kinematics for high breaking force and quick dumping out.



Filling Capacities

Diesel fuel: 80 l
 Hydraulic system: 65 l



Hydraulic System

Working / Steering hydraulic, pump discharge

RL 855 max. 76 l/min.; **RL 655** max. 60 l/min.

Working pressure, loading / steering hydraulics 200 bar/ 180 bar

Lifting and tipping cylinder double acting.

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

Control block with 3 operating circuits.

Single-lever cross-type control for lifting and tipping cylinders and additional control circuit for quick-change device and attachments; it is possible to switch on floating position.



Dimensions and Weights

RL 855 acc. to drawing RL 655 acc. to drawing
 Operating weight 5,400 kg Operating weight 4,700 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 warm 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 and switch for additional control circuit integrated in the 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.

Other options on request