

# 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

	<b>RL 855</b>	<b>RL 655</b>
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