

Technical Data



Engine

SL 755

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

SL 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

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.



Loading System

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



Filling Capacities

Diesel fuel 80 l
Hydraulic system 65 l



Hydraulic System

Working / Steering hydraulic, pump discharge max. 60 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 operating circuits.

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



Dimensions and Weights

SL 755: acc. to drawing SL 655: acc. to drawing
Operating weight 6,250 kg Operating weight 5,950 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, 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.

Other options on request