

Your Growth Machine



L940Hi Wheel Loader

Higher fuel efficiency. More productivity.



Gross Power: 150HP

Operating Weight: 12100KG

Payload: 4000KG

CEV-V Certified

Member of Volvo Group

Technical Specifications

Standard Equipment

Engine

Engine model	WP46NG150E675
Engine type In-line,	Water-cooled, 4-stroke, injection
Net Power hp	150 @ 2150 rpm
Maximum torque Nm	720 @ 1400~1600 rpm
Displacement (ml)	4580
Number of cylinders	4
Bore / stroke (mm)	108 /125
Emission standard	CEV V

Transmission System

Make	SDLG
Type	Planetary power shift
No. of gears	F2 and R1
Torque converter	Single stage four element twin turbine torque converter
Machine speed F1,F2 (km/h)	0~13 /38
Machine speed R1(km/h)	0~17

Axles

Make	SDLG make with dry disc brakes
Front & Rear	AL20A series Heavy Duty axles with higher carrying capacity
Rear Axle Oscillation (Deg)	±11°

Hydraulic system

Type	Single joystick pilot control
Pilot system working pressure (MPa)	3.5
Main Pump	Gear Pump
Maximum flow (ltrs/min)	193.5
System working pressure (MPa)	19

Hydraulic cycle time

Bucket lift time (full load)	≤5.5 s
Bucket fall time (no load)	≤3.5 s
Bucket dumping time (no load)	≤1.0 s
Total cycle time	≤10.0 s

Steering System

Type	Load-sensing full hydraulic articulated steering
Working pressure (MPa)	1
Steering angle (°)	37°
Steering pump flow (lpm)	104.5

Brake system

Service brake	Air over Hydraulic Disc Brakes with single brake pedal
Parking brake	Electric air controlled internal expansion
Brake pressure (MPa)	0.784

Tyres

Tyre size	17.5 x 25 L3
Front Tyre pressure (MPa)	0.31~0.33
Rear tyre pressure (MPa)	0.27~0.29

Cabin

Cabin	ROPS/FOPS Level 2 Certified
AC	Standard with dual filters M
Operator seat	Mechanical suspension seat
Music	MP3 Player with USB, Auxiliary and Bluetooth connection
Seat belt	Standard
Rotating Beacon Light	Standard

Performance

Payload capacity (kg)	4000
Bucket volume, Heaped ISO/SAE Cu.m (GP)	2.4
Operating weight (kg)	12100
Maximum breakout force (kN)	≥99
Maximum traction force (kN)	≥105
Static Tipping Load Straight (kg)	9780
Static Tipping Load Full Turn (kg)	7980

Electrical system

Voltage	24V
Batteries	2

Dimensions with 2.4 Cu.m GP Bucket

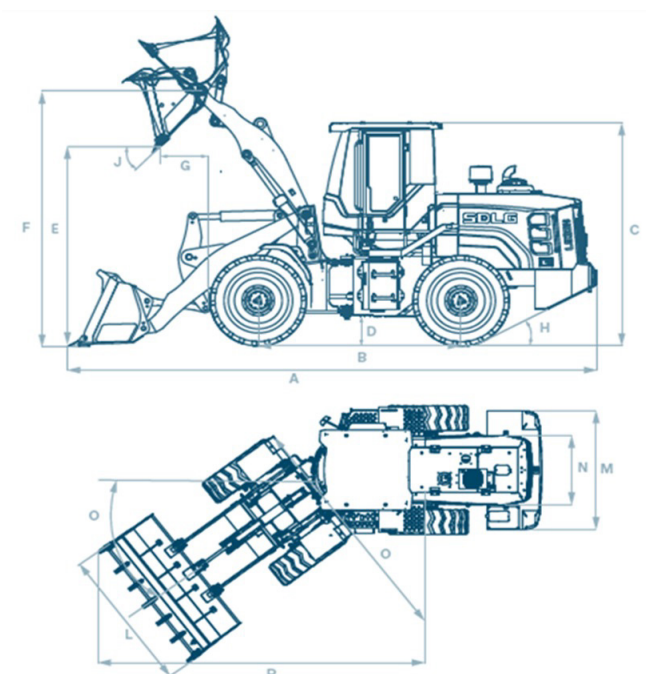
A. Overall length (mm)	7360
B. Wheelbase (mm)	2850
C. Overall height (mm)	3340
D. Minimum ground clearance (mm)	370
E. Maximum dumping height	2890
F. Hinge pin at maximum lift height (mm)	3790
G. Corresponding dump reach (mm)	1195
H. Gradeability	30°
J. Dumping angle	-45°
K. Bucket roll back at ground level (0)	45°
L. Overall width (mm)	2520
M. Outside width of wheel(mm)	2310
N. Wheel tread(mm)	1865
O. Min. turning radius outside rear wheel (mm)	5250
P. Horizontal crossing radius outside bucket (mm)	6100

System Refill Capacity

System Refill Capacity	Volume	Change Interval
Diesel filling capacity of fuel tank (L)	160	
Hydraulic Oil tank filling capacity (L)	128	Every 2000
Transmission oil filling capacity (L)	44	First 50 / Every 1000
Oil filling capacity of axles (main drive and wheel reducer (L)	18 +18	First 50 / Every 1000
Engine oil filling capacity (L)	12	Every 2000
Antifreeze coolant (L)	33	Every 500

Optional Attachments

HD Bucket (m3)	2.0
LM Bucket (m3)	3.5
Pallet fork	Available
Pre-cleaner	Oil bath pre-cleaner
Side discharge bucket	Available



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 Whatsapp: +91 99453 69456
 Toll Free: 1800-108-6856
www.sdlgindia.com