

STANDARD EQUIPMENT

ELECTRICAL SYSTEM

Back up Alarm
 Batteries 2X 12V, 120Ah
 Gauge
 - Coolant temp
 - Brake Air pressure
 - TM temp.
 - TM oil pressure
 - Hour meter
 Indication lamp
 - Parking
 - Charge
 - Brake low pressure
 - Engine oil pressure
 - High beam
 Light
 - 1 LED dome Light
 - 4 Work Light (2 Front, 2 Rear)
 - 2 Head light with high and low beam
 - 4 Turn signal
 - 2 Stop light
 Switch
 - Ignition Key, Start Stop Switch
 - Battery master switch
 - Harzard
 - Work lamp
 Starter

CAB

Cigar lighter
 Coat hook
 Heater & Defroster
 Wiper and washer, front
 Rear view mirrors(1 inside)
 Rear view mirrors(2 outside)
 2*seat belt & adjustable suspension seat with armrests
 Steering wheel with knob
 Tinted safety glass
 Cabin with two doors
 Pedals
 - one accelerator pedal
 - one brake pedal
 Rubber floor mat

ENGINE

Antifreeze
 Low Emission, Tier 2
 SL763s : Engine
 - Weichai WD10G220E23
 SL733s : Engine
 - Yuchai YC6J125Z-T20
 Electric fuel priming pump
 Fan guard
 Fuel / water separator
 Fuel warmer (SL763s only)
 Precleaner, engine air intake
 Radiator (de-aeration type)

POWER TRAIN

Brake : Service, caliper disc
 Parking brake
 Differential, conventional
 Torque converter
 Power shift transmission
 Transmission oil cooler
 Tire (23.5-25, 16PR, L3) - SL763s
 Tire (17.5-25, 12PR, L3) - SL733s

HYDRAULICS

Diagnostic pressure taps
 Hydraulic oil taps
 Hydraulic oil cooler (SL763s only)
 Hydraulic system
 - 2 spool, mechanical control for boom and bucket actuation
 Steering, load-sensing

OTHERS

Articulation locking bar
 Counterweight
 Drawbar with pin
 Ergonomically located and slip resistant, left & right
 - Handrails
 - Ladders
 - Platforms
 - Steps
 Front Fenders
 Hydraulic oil level sight gauge
 Lift and tie-down hooks
 Loader linkage, sealed Z-bar design

OPTIONAL EQUIPMENT

(sound suppressed and pressurized)
 with :

Climate control :
 - Air conditioning only
 - Heater & air conditioning
 - Increased battery capacity
 Batteries 2 x 12V, 165Ah
 Fan clutch(Electromagnetic) (SL763s only)
 Beacon light
 Fire extinguisher
 High lift boom
 MP3 Radio
 Wheel chock

SL763s

Bucket
 - 2.7 m³ GP bolt-on teeth
 - 2.8 m³ GP bolt-on cutting edge
 - 2.8 m³ Rock (Spade nose)
 - 3.1 m³ GP bolt-on cutting edge
 - 3.0 m³ GP bolt-on teeth
 - 3.2 m³ GP bolt-on teeth
 - 3.3 m³ GP bolt-on cutting edge
 - 4.0 m³ Coal handling
 - 2.7 m³ Rock (Straight)
 - Pallet Fork

S733s

Bucket
 - 1.5 m³ GP bolt-on teeth
 - 1.6 m³ GP bolt-on cutting edge
 - 1.8 m³ GP bolt-on cutting edge
 - 1.7 m³ GP bolt-on teeth
 - 2.5 m³ GP bolt-on teeth
 - 2.2 m³ Coal handling

* Specifications and designs are subject to change without advance notice.

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 HEAVY INDUSTRIES CO., LTD.
 HYUNDAI HEAVY INDUSTRIES CO., LTD.
 1000 BANGEOJINSUNHWAN-DORO, DONG-GU, ULSAN, 682-792, KOREA
 TEL: (82)52-202-7722, 9807 FAX: (82)52-202-7720

Manufactured and
 Assembled by :  **HYUNDAI**
 SHANDONG HEAVY INDUSTRY
 HYUNDAI(SHANDONG) HEAVY INDUSTRY MACHINERY CO., LTD.
 YITIANMEN DAJIE ZHONGDUAN, TAIJIAN, SHANDONG
 THE PEOPLE'S REPUBLIC OF CHINA
 TEL: (86)538-692-8989, FAX : (86)538-692-8991

 Единный контакт-центр:
8-800-250-97-99
 ООО "Енисей-М"
 660118, г. Красноярск, ул. Гайдашовка д. 8, тел: +7 (391) 205-82-84)
 655004, г. Абакан, ул. Тувинская 15, тел: +7 (3902) 355-105

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SL 763s

SL 733s

With Tier 2 Engine installed



*Photo may include optional equipment.

SL 763s / SL 733s

Hyundai Shandong(HSD) Wheel Loader
Opens Up the Future

SL 763s / SL 733s

Excellent durability saves your costs of working.
Outstanding power greatly enhances your productivity.



*Photo may include optional equipment.

Strong Power, High Performance

SL 763s / SL 733s

Hyundai Shandong Wheel Loader shows maximum power at all times and greatly improves efficiency.



Powerful, Fuel Efficient and Energy-saving Engine

Weichai turbocharged engine is optimally built with the rated 2,000rpm in order to provide maximum power, reliability and better fuel efficiency. The engine meets the emission standards EPA Tier II, EU stage II. Weichai engine has power of 162kW at 2,000rpm. Electromagnetic fan clutch(optional) and fuel transfer pump reduce noise to make start easier and more energy saving.



Reliable and proven Transmission

The hydrodynamic transmission ZL50 is made up of double turbine torque converter and power assist shift planetary transmission. It can meet the wheel loader in all requirements of working situations.



Durable and Sturdy Axle

Durable and sturdy front and rear axle provides running stability, good performance even in poor jobsite conditions, and maximization of the operation capability.



*Photo may include optional equipment.



Fan clutch (option) (SL763s only)

Fan's speed is adjusted by temperature to reduce engine fuel consumption and noise. Engine durability is increased by warming up engine quickly.



Fuel Pre-filter and Fuel Warmer (SL763s only)

Electric Pump quickly removes air in fuel and improves start of the machine. Fuel warmer raises fuel temperature and improves low temperature at start. Moist eliminating filter filters impurities and moisture, and extends engine's life and replacement cycle.

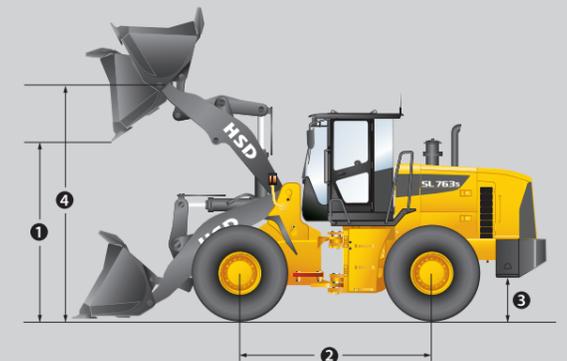


Electric Shut off (SL763s only)

When the circuit key turns off, it stops electromagnetic and closes the throttle.

Higher Productivity

Long wheelbase makes the machine maintain longitudinal stability in a variety of operating conditions, and hinged center of the front and rear frame is placed at the center of the wheelbase, so that when the loader makes a turn, it makes wheelbase of the front and rear wheels overlap which increases tire life and operation stability. And higher counterweight clearance poses the maximum ground clearance.



1 Higher Dump Clearance (without teeth)

SL763s / SL733s	3,100 mm / 2,790 mm
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2 Longer Wheelbase

SL763s / SL733s	3,200 mm / 2,750 mm
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3 Higher CWT Clearance

SL763s / SL733s	660 mm / 500 mm
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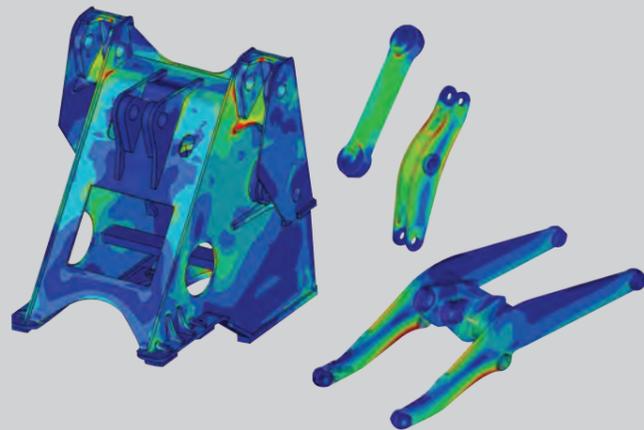
4 Bucket Max Pivot

SL763s / SL733s	4,100 mm / 3,770 mm
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Enhanced Reliability and Durability

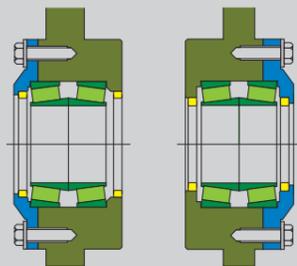
SL 763s / SL 733s

Product structure of limited element analysis and optimization sufficiently improves durability and safety.



Firm and Durable Structural Parts

Extend product life and ensure superior running function by using product structure of limited element analysis and optimization.



Reliable Center Pivot

Double-tapered roller bearings extends service life, and lubrication and replacement cycle.
(Comparison with spherical ball bearings)
: 100 hr → 1,000 hr

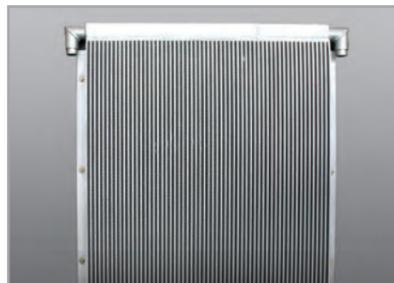


*Photo may include optional equipment.



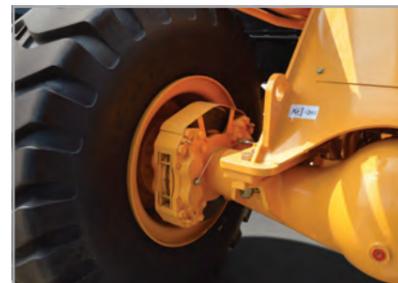
Sealed Loader Linkage

O-shaped ring seal prevents leakage and makes maintenance easier. Dust Seal extends equipment life and makes maintenance and repair efficient by blocking dust and preventing grease leakage.



Enhanced Cooling System

Aluminum bar-plate type, large capacity radiator and coolers significantly improve thermal shock, impulse and vibration resistance and increase durability.

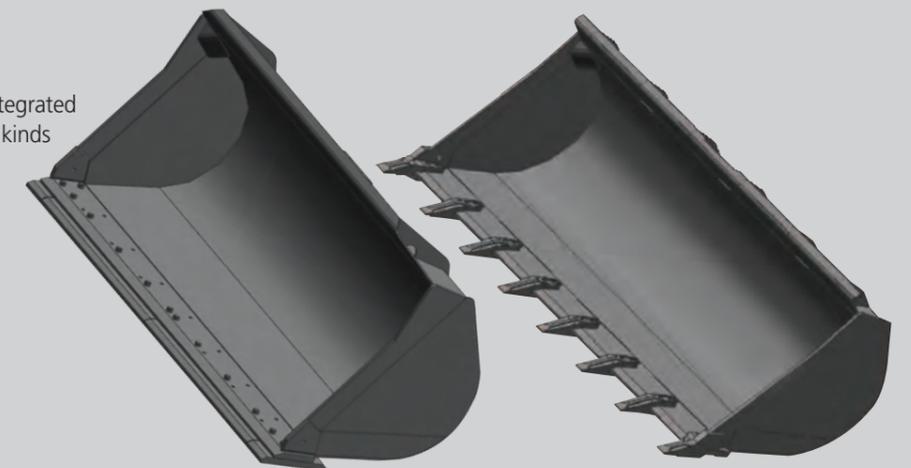


Brake Disc Protector

Front axle enhances protection of brake disc shield from smashing of heavy objects.

Bucket

High-alloy steel casting and wear-proof integrated cutting edge and teeth are suitable for all kinds of working environment.



Operator Friendly Designed Cab

SL 763s / SL 733s

Quiet and spacious interior provides operators with a comfortable operating environment. All kinds of metering instruments are efficiently laid out to improve operating convenience.



Spacious Cab with Excellent View

Spacious cab designed with ergonomics approach boasts low noise and excellent view, arc shaped front window, large rear window and side windows offer wide view in all directions.



Large Capacity Air Conditioning and Convenient Control (Option)

Large capacity, air circulation and defrost system make the space comfortable for operators and membrane button is easy to operate.



Radio with USB interface (Option)

Radio with USB interface offers better sound for operators and makes operation more enjoyable.



Excellent Air Circulation System

Excellent air conditioning and circulation system provide operators with more comfortable working environment.



Storage Spaces with Multiple Functions



*Photo may include optional equipment.



Suspension Seat

It can be adjusted to the position optimized for driver's weight and size reducing operator's fatigue.



Centralized Monitoring Panel

Centralized monitoring panel designed with simplicity of ergonomics that shows working conditions and warning lights at a glance.



Right Side Window Holder

Operator fully open right side window when it's needed.



Large Side Mirror

Large side mirror ensures the operator's driving safety.

Simple and Efficient Maintenance System

SL 763s / SL 733s

Quick and easy maintenance systems improve efficiency and cut costs. As a loader designed from the driver's point of view, Hyundai Shandong wheel loader makes your operation more comfortable and convenient.



Easy Access to Engine Compartment

Highly accessible engine compartment assures fast and easy maintenance.



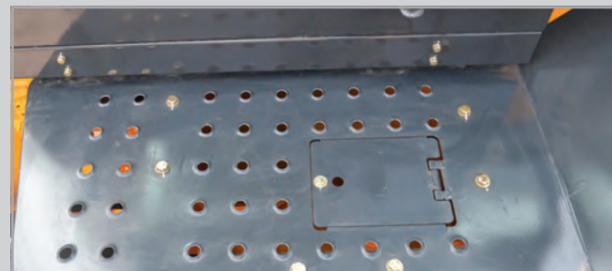
Master switch

A master switch disconnects the battery power to protect the electrical system.



Key-Locking Fuel Cap

The location of fuel cap increased accessibility and key locking function is applied for machine protection.



Non-slip Platform

Non-slip platform and steps ensure operator's safety.



*Photo may include optional equipment.



Headlight and Turn Signal

Lights are beautifully and durably designed.



Counterweight and Rear Warning Light

Counterweight is designed to make the equipment look more strong and dynamic and warning lights are noticeable.



Easy Replacement of Air Filter

Air filter is built in the rear of the hydraulic tank to make ease replacement and cleaning of the filter.



Convenient and Safe Electrical Control Box

Durable electrical control box is centralized to make easy maintenance for operator to check.



Oil Sight Gauge

The hydraulic oil check sight gauge is installed on the side of the hydraulic tank for the convenience of maintenance check from ground level.

Specifications & Dimensions SL 763s

SL 763s

ENGINE

Maker/Model	Weichai / WD10G220E23	Bore x Stroke	126 mm (4.96") x 130 mm (5.12")
Type	4-cycle, water cooled, turbocharged, diesel, direct injection	Displacement	9.726 l (594 cu in)
Gross power	220 HP(162 kW) / 2,000rpm	Compression ratio	17.0 : 1
Net power	206 HP(154 kW) / 2,000rpm	Air cleaner	Dry, dual elements
Maximum torque	92 kg-m(664 lb-ft) / 1,300~1,500rpm	Alternator	24V, 55 Amp
No. of cylinders	6	Battery	2 x 12V, 120 Ah.
		Starting motor	24V, 8.1 kW

TRANSMISSION

Torque converter type	4-elements, Double-turbine	
Travel speed	km/h (mph)	
Forward	1st	10.6 (6.6)
	2nd	39 (24.2)
Reverse	1st	14.5 (9.3)

HYDRAULIC SYSTEM

Type	Open-Centered, tandem circuit system (Bucket, Boom)		Controls	Type	Manual operated lift and tilt circuit
Pump	Gear type, 370 lpm			Lift Circuit	The valve has four functions ; raise, hold, lower and float
System pressure	180 kgf/cm ² (2,560 psi)			Tilt Circuit	The valve has three functions ; tilt back, hold and dump
Cylinder	Lift 160 mm(6.3") x 835 mm(32.8") Tilt 180 mm(7.1") x 565 mm(22.3")				
Cycle Time(with load)	Raise : 5.5 sec (with load) Dump : 1.1 sec Lower : 3.5 sec Total : 10.1 sec				

BRAKES

Service Brakes	- Air over hydraulic brake system (Caliper disc type) - Independent axle-by-axle system
Parking Brake	Mechanically controlled drum brake on transmission

SERVICE REFILL CAPACITIES

Fuel tank	260 liters (68.6 USgal)	Front axle	28 liters (7.4 USgal)
Cooling system	44 liters (11.6 USgal)	Rear axle	28 liters (7.4 USgal)
Crankcase	20 liters (5.3 USgal)	Hydraulic tank	170 liters (44.9 USgal)
Transmission	50 liters (13.2 USgal)	Hydraulic system (including tank)	230 liters (60.75 USgal)

AXLES

Drive system	Four-wheel drive system
Hub reduction	Planetary reduction at wheel end
Differential	Conventional
Reduction ratio	22.847

STEERING SYSTEM

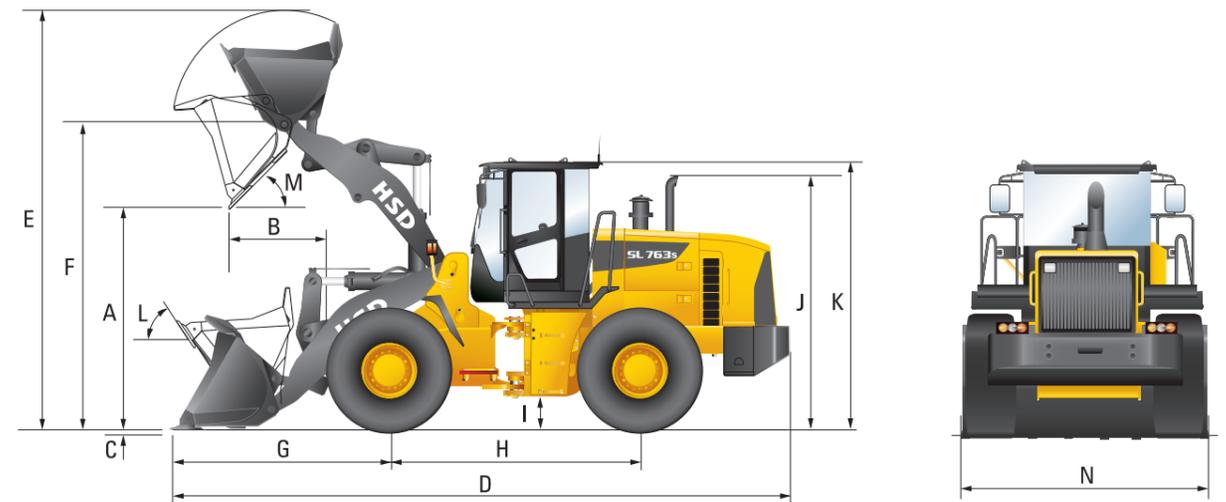
Type	Hydraulic power steering
Pump	Gear type, 150 lpm (39.6 gal/min)
Relief Valve Setting	160 kg/cm ² (2,275 psi)
Cylinder (Bore x Stroke)	90 mm(3.5") x 340 mm(13.4")
Steering Angle	35° (each direction)

OVERVIEW

Description	UNIT	SL763s
Operating weight	kg (lb)	16,500 (36,326)
Bucket capacity	Heaped	m ³ (yd ³) 3.0 (3.9)
	Struck	m ³ (yd ³) 2.6 (3.4)
Breakout force-bucket	kg (lb)	17,340 (38,228)
Tipping load	Straight	kg (lb) 12,550 (27,670)
	Full turn	kg (lb) 11,300 (24,910)

TIRES

Type	Tube type, loader design tires
Standard	23.5-25, 16 PR, L3



DIMENSIONS

Description	UNIT	SL763s
Bucket Type	-	General purpose bolt-on teeth
A. Dumping clearance at max. height and 45° dump angle.	mm (ft-in)	3,100 (10' 2")
B. Reach	Full lift	1,240 (4' 1")
	7ft height	1,800 (5' 11")
C. Digging depth	mm (in)	82 (0' 3")
D. Overall length	on ground	7,900 (25' 11")
	at carry	7,800 (25' 7")
E. Overall height (fully raised)	mm (ft-in)	5,370 (17' 6")
F. Bucket pivot max. height	mm (ft-in)	4,100 (13' 5")
G. Front overhang	mm (ft-in)	2,785 (9' 2")
H. Wheelbase	mm (ft-in)	3,200 (10' 6")
I. Ground clearance	mm (ft-in)	410 (1' 4")
J. Height over exhaust	mm (ft-in)	3,200 (10' 6")
K. Height over cab	mm (ft-in)	3,420 (11' 3")
L. Roll-back angle	on ground	deg 43
	at carry	deg 49
M. Dump angle	deg	45
Clearance circle	mm (ft-in)	14,260 (46' 9")
N. Overall width	with bucket	2,980 (9' 9")
	without bucket	2,845 (9' 4")

Specifications & Dimensions SL 733s

SL 733s

ENGINE

Maker/Model	Yuchai / YC6J125Z-T20
Type	4-cycle, water cooled, turbocharged, diesel, direct injection
Gross power	125 HP(92 kW) / 2,200rpm
Net power	117 HP(87 kW) / 2,200rpm
Maximum torque	51 kg-m(369 lb-ft) / 1,400~1,600rpm
No. of cylinders	6

Bore x Stroke	105 mm (4.13") x 125 mm (4.92")
Displacement	6.494 l (396 cu in)
Compression ratio	17.5 : 1
Air cleaner	Dry, dual elements
Alternator	24V, 55 Amp
Battery	2 x 12V, 120 Ah.
Starting motor	24V, 6.0 kW

TRANSMISSION

Torque converter type	4-elements, Double-turbine	
Travel speed	km/h (mph)	
Forward	1st	7.5 (4.7)
	2nd	13.4 (8.3)
	3rd	24.2 (15.0)
	4th	40.0 (24.9)
Reverse	1st	9.3 (5.8)
	2nd	29.4 (18.3)

AXLES

Drive system	Four-wheel drive system
Hub reduction	Planetary reduction at wheel end
Differential	Conventional
Reduction ratio	20.26

HYDRAULIC SYSTEM

Type	Open-Centered, tandem circuit system (Bucket, Boom)
Pump	Gear type, 167 lpm
System pressure	170 kgf/cm ² (2,418 psi)
Cylinder	Lift 110 mm(4.3") x 785 mm(30.9") Tilt 160 mm(6.3") x 380 mm(15.0")
Cycle Time(with load)	Raise : 5.5 sec (with load) Dump : 1.3 sec Lower : 2.7 sec Total : 9.5 sec

Controls	Type	Manual operated lift and tilt circuit
	Lift Circuit	The valve has four functions ; raise, hold, lower and float
	Tilt Circuit	The valve has three functions ; tilt back, hold and dump

BRAKES

Service Brakes	- Air over hydraulic brake system (Caliper disc type) - Independent axle-by-axle system
Parking Brake	Mechanically controlled disc brake on transmission

STEERING SYSTEM

Type	Hydraulic power steering
Pump	Gear type, 167 lpm (44.1 gal/min)
Relief Valve Setting	160 kg/cm ² (2,275 psi)
Cylinder (Bore x Stroke)	70 mm(2.8") x 412 mm(16.2")
Steering Angle	35° (each direction)

SERVICE REFILL CAPACITIES

Fuel tank	157 liters (41.5 USgal)
Cooling system	34 liters (9.0 USgal)
Crankcase	16 liters (4.2 USgal)
Transmission	40 liters (10.6 USgal)

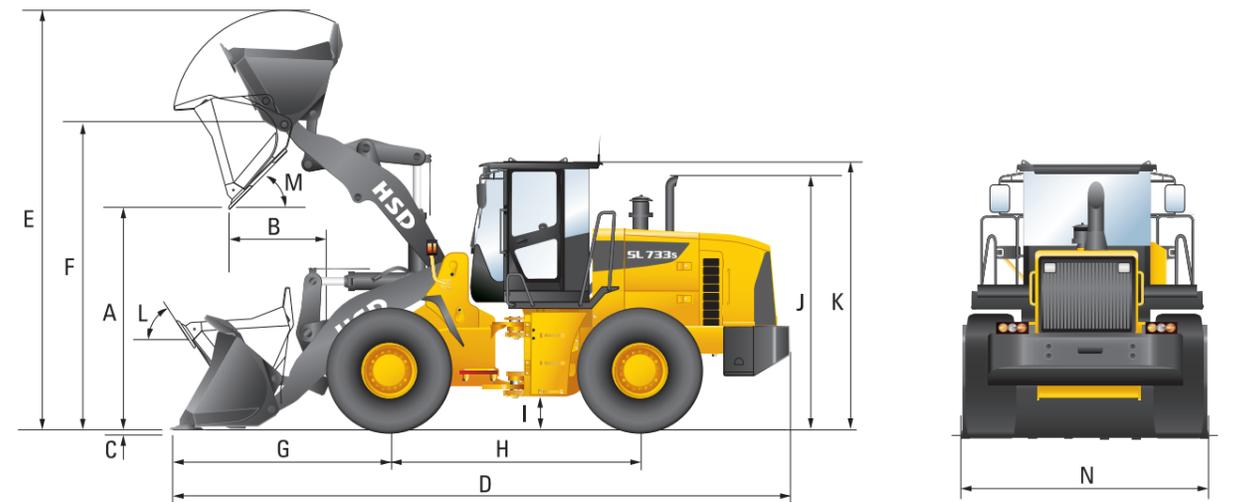
Front axle	18 liters (4.8 USgal)
Rear axle	18 liters (4.8 USgal)
Hydraulic tank	94 liters (24.8 USgal)
Hydraulic system (including tank)	150 liters (40 USgal)

OVERVIEW

Description	UNIT	SL733s
Operating weight	kg (lb)	10,200 (22,490)
Bucket capacity	Heaped	m ³ (yd ³) 1.7 (2.2)
	Struck	m ³ (yd ³) 1.4 (1.8)
Breakout force-bucket	kg (lb)	10,680 (23,550)
Tipping load	Straight	kg (lb) 7,830 (17,260)
	Full turn	kg (lb) 6,580 (14,510)

TIRES

Type	Tube type, loader design tires
Standard	17.5-25, 12 PR, L3



DIMENSIONS

Description	UNIT	SL733s
Bucket Type	-	General purpose bolt-on teeth
A. Dumping clearance at max. height and 45° dump angle.	mm (ft-in)	2,790 (9' 2")
B. Reach	Full lift	1,150 (3' 9")
	7ft height	1,642 (5' 5")
C. Digging depth	mm (in)	122 (0' 4")
D. Overall length	on ground	6,965 (22' 10")
	at carry	6,920 (22' 8")
E. Overall height (fully raised)	mm (ft-in)	4,885 (16' 0")
F. Bucket pivot max. height	mm (ft-in)	3,770 (12' 4")
G. Front overhang	mm (ft-in)	2,415 (7' 11")
H. Wheelbase	mm (ft-in)	2,750 (9' 0")
I. Ground clearance	mm (ft-in)	370 (1' 3")
J. Height over exhaust	mm (ft-in)	2,708 (8' 11")
K. Height over cab	mm (ft-in)	3,215 (10' 7")
L. Roll-back angle	on ground	deg 43
	at carry	deg 49
M. Dump angle	deg	45
Clearance circle	mm (ft-in)	11,540 (37' 10")
N. Overall width	with bucket	2,475 (8' 1")
	without bucket	2,295 (7' 6")