

SANDVIK LH201 NARROW VEIN LOADER

TECHNICAL SPECIFICATION



Sandvik LH201 is a true compact and flexible full diesel loader for narrow-vein mining.

Fast and easy one-pass loading ensure the highest possible productivity.

Sandvik LH201 is designed for good visibility and balance. This and the powerful four-wheel-drive articulated chassis ensure fast and safe maneuvering in tight spaces.

All service points are well-protected but easy to access.



CAPACITIES

Tramming capacity	1 000 kg	2204 lb
Breakout force, lift	1 094 kg	2411 lb
Breakout force, tilt	3 766 kg	8302 lb
Tipping load	2 941 kg	6483 lb

BUCKET MOTION TIMES / RADIO TIME

Raising time	2.5 sec / 8.0 sec	
Lowering time	1.6 sec / 2,6 sec	
Tipping time	4.4 sec / 10,1 sec	

WEIGHTS

Operating weight (full option)	3 700 kg	8157 lb
Total loaded weight (full option)	4 700 kg	10361 lb
Axle weights without load		
Front axle	1 010 kg	2226 lb
Rear axle	2 690 kg	5930 lb
Axle weights with load		
Front axle	2 780 kg	6128 lb
Rear axle	1 920 kg	4232 lb

Unit weight is dependent on the selected options

DRIVING SPEEDS FORWARD AND REVERSE

Loaded	Max. 9km/h	Max. 5.6mph
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SERVICE CAPACITIES

Fuel tank	50 liters	13.2 US gal
Hydraulic oil tank	55 liters	14.5 US gal
Hydrostatic transmission oil tank	31 liters	8.2 US gal

FRAME

Rear and front frame	Welded steel construction
Material	E36.3
Centrale hinge	Spherical bearings (large angle)

ENGINE

Diesel engine	Deutz D914L03, Tier III, Stage 3A
Output (altitude < 2400m)	43kW (59hp) / 2300 rpm
Torque	202 Nm / 1500 rpm
Number of cylinder	In line 3
Displacement	3200 cm ³
Cooling system	Air cooled
Combustion principale	4 stroke, 2 stage combustion
Electric system	12V starter and accessories
Air filtering	Dry-air cleaner
Exhaust system	Catalytic purifier

TRANSMISSION

Hydrostatic transmission	Variable flow Fully reversible
One pump	Rexroth, variable displacement 0 to 50 cm ³ /rev
One motor	Rexroth, fixed 40cm ³ /rev

TRANSFER CASE

Type	Gear
Location	Rear axle

AXLES

Front and rear	Tamrock fixed No-spin in front axle
Central hinge oscillation	±10°

WHEELS

Tires	7,5 x 15
Air pressure, front and rear	3.5 bar (350kPa)

BRAKES

Dynamic service brake through the hydrostatic transmission.
The parking and emergency brake is spring-applied, hydraulically released multidisc oil-immersed brakes enclosed on the transfer case.

STEERING

Full hydraulic, centre-point articulation, power steering with two double-acting cylinders. Steering controlled by stick, interlock protection.

Main valve	HPI
Control valve	Danfoss
Steering hydraulic cylinders	2 pcs, 60mm (2.36")
Main relief valve	14 Mpa (140 bar)
Shock load valves	17.5 Mpa (175 bar)

BUCKET

Full hydraulic open center system with one gear pump.
The oil flow from steering hydraulic pump is directed to bucket hydraulics when steering is not used. Equipped with mechanical dual-control lever.

Lift cylinder	Ø100mm (3.9"), Ø60 (rod)
Tilt cylinder	Ø120mm (4.7"), Ø60 (rod)
Main relief valve	14.0 Mpa (140 bar)
Bucket tilt	6.0 Mpa (60 bar)
Bucket roll-back	18.0 Mpa (180 bar)
Boom raise	18.0 Mpa (180 bar)
Boom lower	6.0 Mpa (60 bar)
Bucket capacity	540 liters

*Alternative options features/components ** Additional options features/components

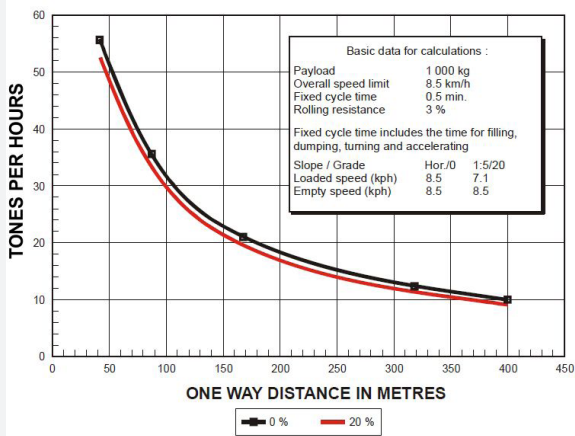
ELECTRIC SYSTEM

Alternator	14V, 55A
Battery	12V, 95Ah
Starter	1.7 kW, 12V
Front driving and working lights	2 x 50W LED
Rear driving and working lights	2 x 50W LED
Amber strobe lights	2 x 7W flashing (12V)

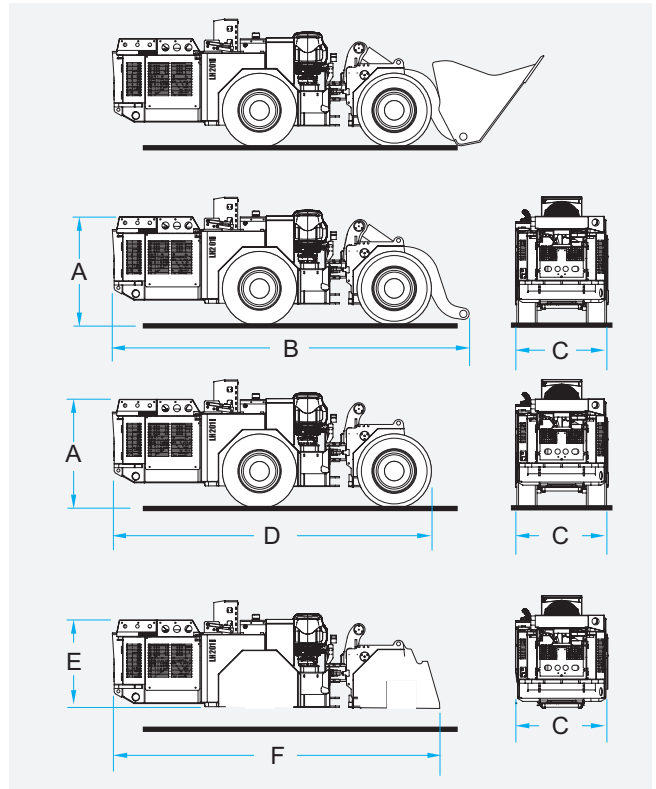
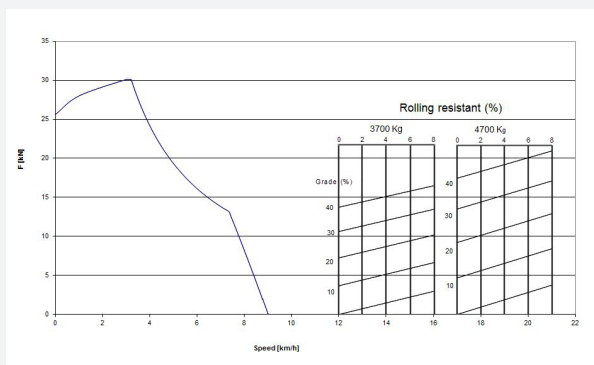
OPTIONS & PACKAGES

Emergency steering system	
Spare wheel**	Complete spare wheel
Safety canopy**	FOPS/ROPS (ISO3449 / ISO3471)
Hand held fire extinguisher**	1 x 6 kg, ABC Type
Manual fire suppression system**	Ansul, 4 nozzles
Automatic fire suppression system**	Ansul, 4 nozzles
Regional packages**	EUR

PRODUCTIVITY CURVE



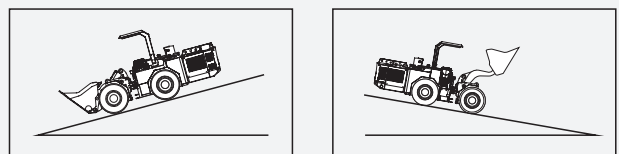
TRACTIVE EFFORT CURVE



CAGING DIMENSIONS

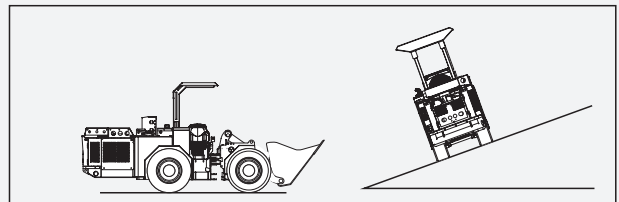
Model	Units	A	B	C	D	E	F
LH201	mm	1230	3825	1055	3590	945	3580
	in	48.4	150.6	41.5	141.3	37.2	141

GRADE & SLOPE LIMITATION

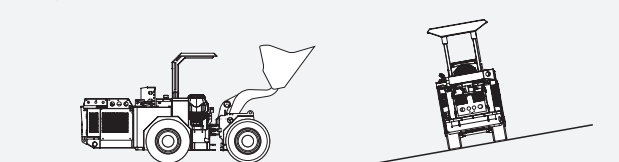


Angle Max.10°

Angle Max.10°

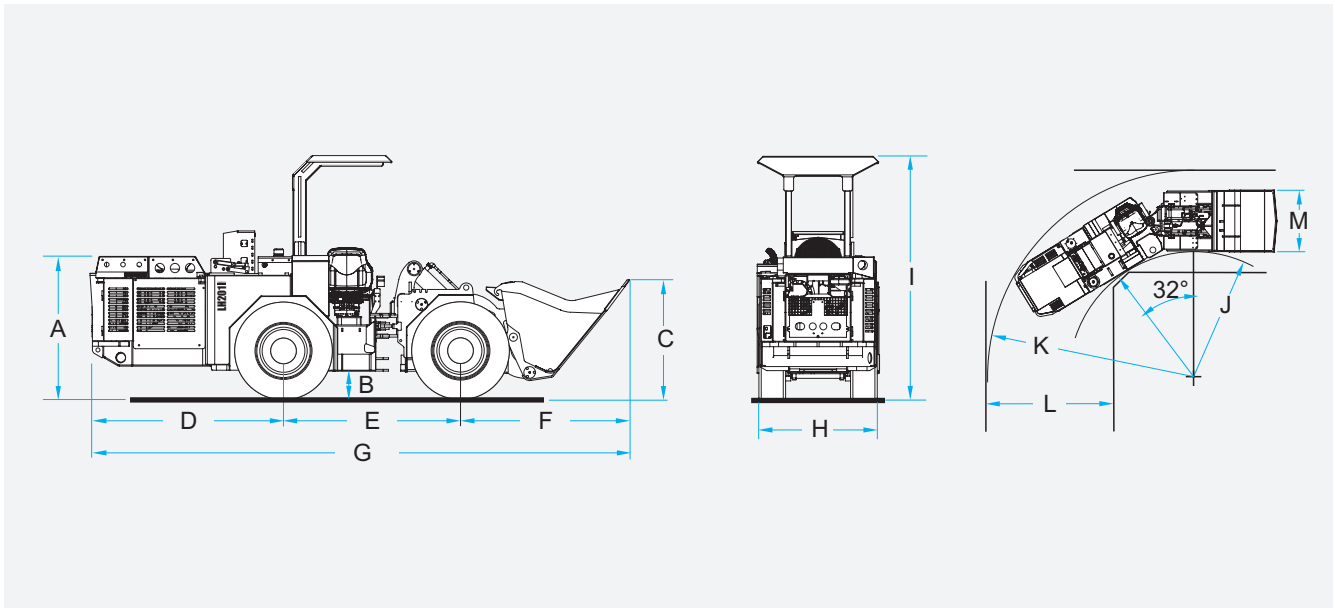


Angle Max.20°



Angle Loaded Max.5°
Angle Unloaded Max.5°

*Alternative options features/components ** Additional options features/components

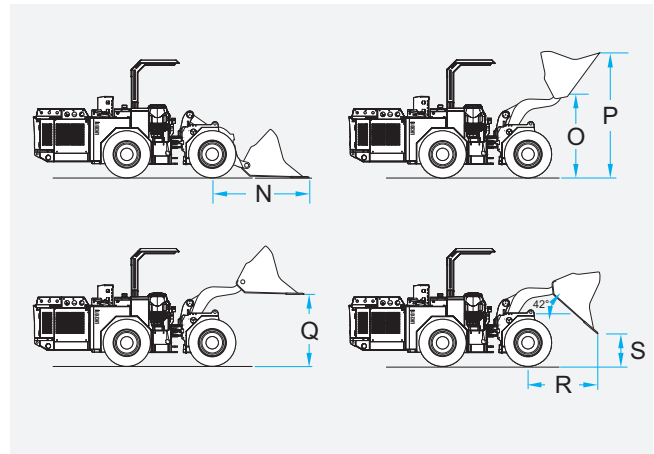


DIMENSIONS - TRAMMING

Model	Units	MACHINE DIMENSIONS									CORNERING			
		A	B	C	D	E	F	G	H	I	J	K	L	M
LH201	mm	1230	250	1030	1645	1525	1455	4600	1055	2100	2146	3615	2110	1050
	in	48.4	9.8	40.5	64.8	60	57.2	181.1	41.5	82.6	84.5	142.3	83	41.3

DIMENSIONS - DUMP DATA

Model	Units	N	O	P	Q	R	S
LH201	mm	1755	1500	2320	1290	1268	530
	in	69	59	91.3	50.7	49.9	20



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