

**TCM**

**SPECIFICATIONS**

**SSL**  
SKID STEER LOADER



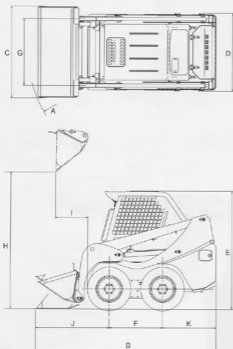
**SKID STEER LOADERS**

703/704/705/706/707/709/711

## STANDARD SPECIFICATIONS

Characteristics	TCM										
	SSL 703	SSL 704	SSL 705	SSL 706	SSL 707	SSL 709	SSL 709(OPT.)	SSL 711			
Manufacturer											
Model designation											
Type	Front end type										
Power unit	Diesel engine										
Operation	Seated										
Bucket capacity	Heaped	m <sup>3</sup>	0.14	0.17	0.22	0.28	0.31	0.35	0.40		
	Struck	m <sup>3</sup>	0.11	0.13	0.18	0.22	0.24	0.27	0.31		
Rated operating capacity		kg	270	320	480	530	630	700	840		
Tipping load		kg	540	640	960	1060	1260	1420	1680		
Hydraulic cycle time	Raise/extend load	sec	5.0			4.3	4.9				
	Dump	sec	2.7			2.3	2.8				
	Lower(empty)	sec	3.5			3.3	3.0				
Travel speed	Forward	km/h	9.0			11.5	12.0				
	Reverse	km/h	9.0			11.5	12.0				
Maximum traction force(standard load)		kN	9.8	10.8	15.7	17.7	22.5	24.5	29.4		
Crestability	Unloaded	deg	19			18	17				
	Loaded	deg	30			30	30				
Minimum radius, front win std bucket		m	1655	1685	2050	2050	2250	2300	2400		
Min. turning radius, rear		mm	1000			1270	1380				
Overall length, bucket on ground		mm	2515			2830	3090				
Overall width	Loader body	mm	895	1040	1180	1270	1535				
	Bucket std	mm	900	1050	1230	1420	1540	1570	1750		
Wheel base		mm	720			830	930				
Front overhang, bucket on ground		mm	1075			1140	1260				
Rear overhang		mm	720			840	860				
Tread	front/rear	mm	740/740	825/825	965/965	1030/1030	1250/1250	1345/1345			
Overall height at CAB		mm	1770			1830	1940				
Overall operating height		mm	3110			3430	3690				
Height to hinge pin(fully raised)		mm	2390			2700	2835				
Dumping clearance, max. height, full dump position		mm	1815			2130	2200				
Dumping reach, max. height, full dump position		mm	470			480	610				
Rollback angle(at carry position)		deg	36			37	35				
Dump angle(max.)		deg	40			40	37				
Ground clearance		mm	155			170	185				
Drawbar height		mm	210			280	300				
Service weight		kg	1070	1120	1600	1750	2480	2720	3340		
Engine & electrical system	Make	Kubota									
	Model	D792-K2B			V1505			V2403-M		V3300	
	Type	4cycle, water cooled									
	Displacement	lit	0.778			1.458			2.434		3.318
	Number of cylinder		3			4			4		4
	Bore x stroke	mm	67.0 x 73.6			76.0 x 78.4			87.0 x 102.4		98.0 x 110.0
	Rated output		11.5kW/2600rpm			30.1kW/2400rpm			33.5kW/2400rpm		47.8kW/2500rpm
	Maximum torque		43.1N.m/2200rpm			60.0N.m/1600rpm			156.4N.m/1600rpm		210.7N.m/1800rpm/220.1N.m/1400rpm
	Air-cleaner	Dry cyclon type									
	Fuel inj. pump	Plunger type									
	Lubricating oil filter	Full flow / Spin-on cartridge									
	Alternator	AC 0.48kW, 12V			AC 0.36kW, 12V			AC 0.54kW, 12V			
Starter motor	12V - 1.2kW			12V - 1.9kW			12V - 2.0kW		12V - 3.0kW		
Battery	1 x 12V/32AH/5h			1 x 12V/55AH/5h			1 x 12V/64AH/5h				
Power train	Type	Hydraulic drive									
	HST pump	Type	Variable capacity, axial piston pump								
		Capacity	l/min	0-16.4			0-43.5			0-45.9	
	HST motor	Type	Constant capacity, trochoid motor								
		Capacity	l/min	195			311			195	
	Reduction	Gear & chain single reduction									
	Drive system	4-wheel drive									
	Axles	Front	Frame fixed, semi-floating								
		Rear									
	Tyres	Front/Rear	4pcs	5.70-12-6PR	23x8.50-12-6PR	27x8.50-25-6PR	27x9.50-15-6PR	10-16.5-6PR		12-16.5-8PR	
Type		Traction lug									
Brake system	Service	HST motor shaft braking, multiple wet disc									
	Parking	Service brake pedal locking									
Steering system	Skid-steering, independent PHL/H wheels										
Loading & hydraulic	Leading mechanism & linkage	Hyd. automatic bucket levelling system									
	Bore cylinder(bore x stroke) mm	2pcs	45 x 602			50 x 703			60 x 715		63 x 843
	Bucket cylinder(bore x stroke) mm	2pcs	45 x 345			50 x 395			60 x 445		63 x 510
Main pump	Type	Gear pump									
	Displacement	l/min	9.06			16.8			22.8		27.8
Charging pump	Type	Gear pump									
	Displacement	l/min	9.06			16.8			22.8		27.8
Main control valve	Set relief press.	MPa	12.3			14.7			17.2		16.7
Operator's ear at max.governor speed	dB(A)		85			86			87		88
Normal travelling mode			68			67			72		73

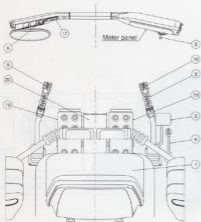
## STANDARD DIMENSIONS



## INSTRUMENTS &amp; CONTROLS



Meter panel layout



Meter panel

- |                      |                                     |
|----------------------|-------------------------------------|
| ① Operator seat      | ⑪ Engine thermometer                |
| ② Steering lever     | ⑫ Engine oil pressure indicator     |
| ③ Brake pedal        | ⑬ HST oil filter pressure indicator |
| ④ Accelerator lever  | ⑭ HST oil temperature indicator     |
| ⑤ Starter switch     | ⑮ Battery charge indicator          |
| ⑥ Lighting switch    | ⑯ Engine glow indicator             |
| ⑦ Hour meter         | ⑰ Parking brake indicator           |
| ⑧ Fuel gauge         | ⑱ Bucket pedal                      |
| ⑨ Turn signal switch | ⑳ Optional pedal                    |
| ⑩ Horn button        |                                     |

## STANDARD EQUIPMENTS &amp; OPTIONALS

Model	SSL 703 SSL 704	SSL 705 SSL 706	SSL 707 SSL 709	SSL 709V (OPT.)	SSL 711
<b>Operators CAB</b>					
Durable operator seat	STD	STD	STD	STD	STD
Front wiper's glass	—	OPT	OPT	OPT	OPT
Heater	—	OPT	OPT	OPT	OPT
Operator hand tool kit	STD	STD	STD	STD	STD
Overhead roof with resinified screens	STD	STD	STD	STD	STD
Rear window's glass	—	OPT	OPT	OPT	OPT
Room mirror	STD	STD	STD	STD	STD
Safety seat levers	STD	STD	STD	STD	STD
Steel cabin with front door	—	OPT	OPT	OPT	OPT
<b>Equipment &amp; Operation</b>					
Air/cleaner dust indicator	STD	STD	STD	STD	STD
Auxiliary hydraulic valve modules(2spool)	OPT	OPT	OPT	OPT	OPT
Body coloring paint(White)	OPT	OPT	OPT	OPT	OPT
Cycroscopic air/cleaner	STD	STD	STD	STD	STD
Dual-element air/cleaner	—	OPT	OPT	OPT	OPT
Fuel-cap with key(Vandalism)	OPT	OPT	OPT	OPT	OPT
Hydraulic bucket leveling mechanism	STD	STD	STD	STD	STD
Hydraulic control valve(2spool)	STD	STD	STD	STD	STD
Lever operational, attachment	—	OPT	OPT	OPT	OPT
Lifting-eye device	OPT	OPT	OPT	OPT	OPT
Loading pedal lock system	STD	STD	STD	STD	STD
Oil-cooler dust screen	—	OPT	OPT	OPT	OPT
Pedal under cover	—	OPT	OPT	OPT	OPT
Plate-fin type radiator	—	—	OPT	OPT	OPT
Radiator dust screen	OPT	OPT	OPT	OPT	OPT
TCM Quick corner	STD	STD	STD	STD	STD
Under cover(Guard)	STD	OPT	OPT	OPT	STD
Unique casters tyre	OPT	OPT	OPT	OPT	OPT
Wheel-rim, galvanized	OPT	OPT	—	—	—
Wheel-rim off road type	OPT	OPT	—	—	—
<b>Instruments &amp; control</b>					
Attachment pedal	OPT	OPT	OPT	OPT	OPT
Back buzzer	OPT	OPT	OPT	OPT	OPT
Boost pedal	STD	STD	STD	STD	STD
Brake pedal	STD	STD	STD	STD	STD
Bucket pedal	STD	STD	STD	STD	STD
Combination meter: (Hourmeter) (Engine oil pressure warning) (Engine water temp. gauge) (HST oil pressure warning) (HST oil temp. warning) (Fuel gauge) (Battery charge warning)	STD	STD	STD	STD	STD
<b>Lighting equipments</b>					
Horn & switch	STD	STD	STD	STD	STD
Lighting switch	STD	STD	STD	STD	STD
Starter switch(inc. Glow switch)	STD	STD	STD	STD	STD
Turn signal switch	STD	STD	STD	STD	STD
Brake lights	STD	STD	STD	STD	STD
Head lights	STD	STD	STD	STD	STD
Parking light	STD	STD	STD	STD	STD
Rear working light	OPT	OPT	OPT	OPT	OPT
Tail lights	STD	STD	STD	STD	STD
Turn signal lights(Front & Rear)	STD	STD	STD	STD	STD
<b>Buckets &amp; Loading attachments</b>					
Bucket, dirt	STD	STD	STD	STD	STD
Bucket, dirt reinforced type	—	OPT	OPT	OPT	OPT
Bucket, double edge	—	OPT	OPT	OPT	OPT
Bucket, utility	OPT	OPT	OPT	OPT	OPT
Bucket, utility, galvanized	—	OPT	OPT	OPT	OPT
Bucket, utility, double edge	—	OPT	OPT	OPT	OPT
Bucket, utility, double edge, galvanized	—	OPT	OPT	OPT	OPT
Bucket, utility, stainless	—	OPT	OPT	OPT	OPT
Bucket with tooth	OPT	OPT	OPT	OPT	OPT
Bucket, light	OPT	OPT	OPT	OPT	OPT
Bucket, wing type A	OPT	—	—	—	—
Bucket, wing type B	OPT	—	—	—	—
Bucket, wing type C	OPT	—	—	—	—
Blade	—	OPT	OPT	OPT	OPT
Forks, industrial pallet	OPT	OPT	OPT	OPT	OPT
Forks, utility	OPT	OPT	OPT	OPT	OPT
Forks, utility, grapples	OPT	OPT	OPT	OPT	OPT
Forks, digging	—	OPT	OPT	OPT	OPT

STD: Standard configuration OPT: Optionals

## SERVICE REFILL CAPACITIES

Model	SSL 703 SSL 704	SSL 705 SSL 706	SSL 707 SSL 709	SSL 709V (OPT.)	SSL 711
Engine coolant(Engine & Radiator)	Lt. 2.9	4.5	6.6	9.3	9.3
Fuel tank	Lt. 20.0	32.0	40.0	40.0	75.0
Engine crankcase	Lt. 3.1	5.0	9.0	13.0	13.0
Transmission(HST) case	Lt. 19.0	24.0	44.0	44.0	54.0
Hydraulic oil tank	Lt. 12.0	16.0	24.0	24.0	27.0