

OPERATING SPECIFICATIONS

Engine

Make & model	CUMMINS "QSX15" diesel engine	
Type	4-cycle, water-cooled, direct injection, with turbocharged and air cooled intercooler	
Rated power	Gross - SAE J1995	283 kW (380 hp)/2,100 rpm
	Net - ISO 9249 SAE J1349 80/1269/EEC	255 kW (340 hp)/2,100 rpm
Maximum torque	Gross	1,574 N·m (161 kgf·m)/1,400 rpm
	Net	1,440 N·m (147 kgf·m)/1,400 rpm
Number of cylinders (bore × stroke)	6 137 mm × 170 mm	
Total displacement	15.03 lit	
Cooling type	Hydraulic drive pusher type fan Pressurized radiator	
Fuel injection pump	Cummins gear pump	
Governor	All-speed electrical type	
Air cleaner	Dry type (Double element)	
Generator	AC 24V 1.8 kW (75 ampere)	
Starter motor	DC 24V 8.3 kW (11.1 hp)	
Batteries	DC 12V 140 Ah × 2	

Torque converter & Transmission

Torque converter	Make & model	Kawasaki	
	Stall torque ratio	3-element, 1-stage, 1-phase 2.91	
Transmission	Make & model	Kawasaki, Full power shift Planetary type	
	Clutch type	Wet hydraulic, multi disc	
Traveling speed		Forward	Reverse
	1st	7.7 km/h	8.2 km/h
	2nd	14.2 km/h	15.0 km/h
	3rd	22.9 km/h	24.0 km/h
	4th	34.0 km/h	-
Reduction gear ratio		Forward	Reverse
	1st	5.032	4.757
	2nd	2.622	2.479
	3rd	1.505	1.423
	4th	0.784	-
Maximum rimpull (forwaed)	248 kN (25,300 kgf)		

Axles & Final drives

Type	4-wheel drive
Axle make & type	Kawasaki Full-floating type
Differential gear	Spiral bevel gear, torque proportioning, single stage reduction gear ratio 4.091
Final reduction gear	Outboard mounted, Internal planetary gear gear ratio 4.706
Rear axle oscillation angle	± 12°
Tire (standard)	29.5 (L3) Tubeless
Wheel rim	25.00 × 25

Weight change

Option item	Operating weight(kg)	Tipping load(kg)			Overall width(mm) (outside tire)	Vertical dimensions (mm)	Overall length(mm)	
		Straight	at 37°	Full turn				
Tires	26.5 R25(L3)	-680	-520	-470	-460	-90	-50	+40
	26.5 R25(L4)	-280	-210	-190	-190	-60	-20	+20
	26.5 R25(L5)	+60	+50	+40	+40	-60	-10	+10
	29.5 R25(L3)	±0	±0	±0	±0	±0	±0	±0
	29.5 R25(L4)	+500	+380	+340	+340	+10	+35	-30
	29.5 R25(L5)	+840	+640	+580	+560	+10	+40	-40
	26.5-25-24PR(L3)	-420	-320	-290	-280	-90	-50	+40
	26.5-25-24PR(L5)	+570	+430	+390	+380	-60	-10	+10
	29.5-25-22PR(L3)	±0	±0	±0	±0	±0	±0	±0
	29.5-25-22PR(L4)	+730	+560	+500	+490	+10	+35	-30
29.5-25-22PR(L5)	+1080	+820	+740	+730	+10	+40	-40	
Counter weight	+410	+1020	+880	+850	±0	±0	±0	
Belly guard	+230	+390	+350	+340	±0	±0	±0	
Air conditioner	+100	+90	+90	+90	±0	±0	±0	
Steel Cab without ROPS/FOPS	-300	-290	-280	-280	±0	±0	±0	

Brake system

Service brake	4-wheel wet-disc Controlled by fully hydraulic system Dual circuits
Parking brake	Spring applied oil pressure released type located on front driveline
Emergency brake	Same as parking, applied on failure in brake line

Steering system

Type	Articulated frame steering, hydraulic power steering unit, pilot operated type
Full articulation angle	40° to each side

Loading system

Type	Front end loading, Z bar linkage system	
Hydraulic cycle time	Lifting (at full load)	6.7 sec
	Lowering (empty)	4.0 sec
	Dumping	1.5 sec
	Total cycle time	12.2 sec
Lifting capacity at bucket fully raised and rolled back	118 kN (12,100 kgf)	





Hydraulic system

Oil pump	Steering oil pump	Gear type, 257 lit/min 6.9 MPa (70 kgf/cm ²) @2,100 rpm
	Main oil pump	Gear type, 201 lit/min, 6.9 MPa (70 kgf/cm ²) @2,100 rpm
	Pilot oil pump	Gear type, 166 lit/min, 6.9 MPa (70 kgf/cm ²) @2,100 rpm
	Control valve	Loading Steering Multiple control valve Kawasaki, Orbitrol and spool type
Lift cylinder	Type	Double acting piston
	Number,bore × stroke	2 × 190 mm × 953 mm
Tilt cylinder	Type	Double acting piston
	Number,bore × stroke	2 × 160 mm × 605 mm
Steering cylinder	Type	Double acting piston
	Number,bore × stroke	2 × 90 mm × 600 mm
Relief set pressure	Control valve	20.6 MPa (210 kgf/cm ²)
	Steering valve	20.6 MPa (210 kgf/cm ²)

Service refill

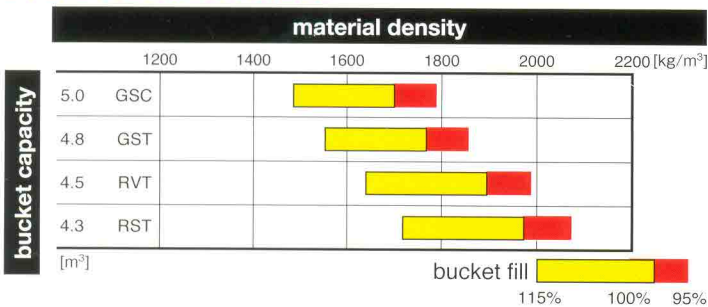
Fuel tank	425 lit
Engine lubricant (including oil pan)	45 lit
Engine cooling water	96 lit
T/M & T/C	65 lit
Axle front/rear	200 lit
Hydraulic system (including oil tank)	265 lit

Bucket

			Standard boom			
			General purpose (stock pile)		Rock Straight	Rock V-edge
			Bolt-on edges	Teeth	Teeth	Teeth
			GSC	GST	RST	RVT
						
Bucket capacity	heaped	m ³	5.0	4.8	4.3	4.5
	struck	m ³	4.3	4.1	3.7	3.8
Max. dumping clearance	a	mm	3,220	3,105	3,100	2,970
Max. dumping reach	b	mm	1,350	1,420	1,425	1,550
Max. hinge pin height		mm	4,490			
Digging depth (with bucket level)	c	mm	80	110	110	110
Breakout force		kN	245	265	265	226
Bucket tilt-back angle	at carry position	deg	49			
Overall length	d	mm	9,280	9,420	9,420	9,600
	up to cab top	mm	3,760			
Overall height	bucket full raise	e	6,130	6,130	6,190	6,190
	outside tire	mm	3,220			
Overall width	outside bucket	f	3,450	3,465	3,465	3,465
	Tread	mm	2,440			
Wheel base		mm	3,560			
Min. turning radius (bucket carry position)	at outside bucket	g	7,275	7,320	7,320	7,320
	at center of outside tire	mm	6,110			
Min. ground clearance		mm	500			
Full articulation angle		deg	40			
Operating weight	with ROPS CAB	kg	29,340	29,170	29,630	29,760
Static tipping load	straight	kg	22,550	22,710	22,280	21,940
	at 37°	kg	18,850	18,990	18,620	18,340
	full turn	kg	18,510	18,640	18,280	18,010

The weight and load figure includes 29.5 (L3) tubeless tire, ROPS cab, lubricant, coolant, full fuel tank and operator.

Bucket selection charts



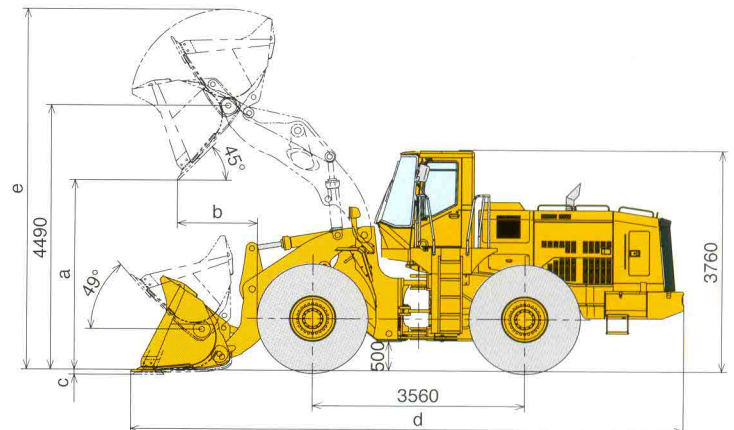
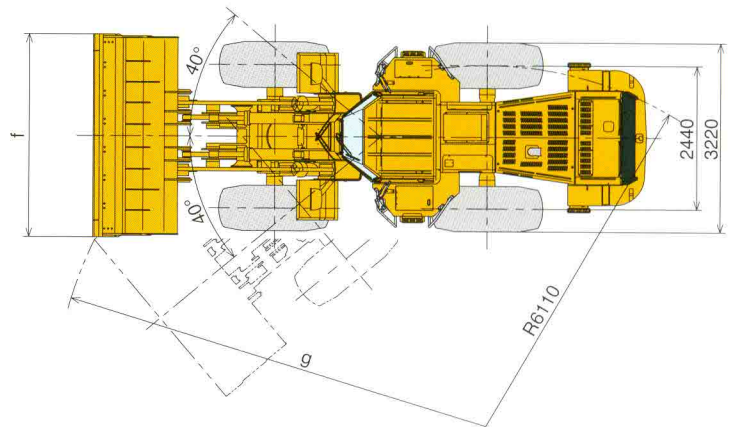
Material density

Approx. material weights per cubic meter

Basalt, granite, piled	1537 kg/m ³
Clay and gravel, dry	1601 kg/m ³
Earth, mud, wet	1729 kg/m ³
Granite, broken	1537 kg/m ³
Gravel	1761 kg/m ³
Gypsum	2268 kg/m ³
Limestone, coarse, sized	1569 kg/m ³
Sand, dry	1681 kg/m ³
Sandstone, quarried	1313 kg/m ³
Stone or gravel, 3/4" size	1569 kg/m ³

Remarks

- * Materials and specifications are subject to change without notice and without any obligation on the part of the manufacturer.
- * This information, while believed to be completely reliable, is not to be taken as warranty for which we assume legal responsibility.
- * Dumping clearance and reach are measured from bucket edge in accordance with SAE J732C.
- * Color for model shown in this brochure is a standard Kawasaki yellow.
- * Counterweight(option) should not be used with tire ballast.
- * This specification sheet may contain attachments and optional equipment which are not available in your area. Please contact your local Kawasaki dealer for those items which your require.



Equipped with GSC bucket, 29.5 (L3) tubeless tire and ROPS cab.