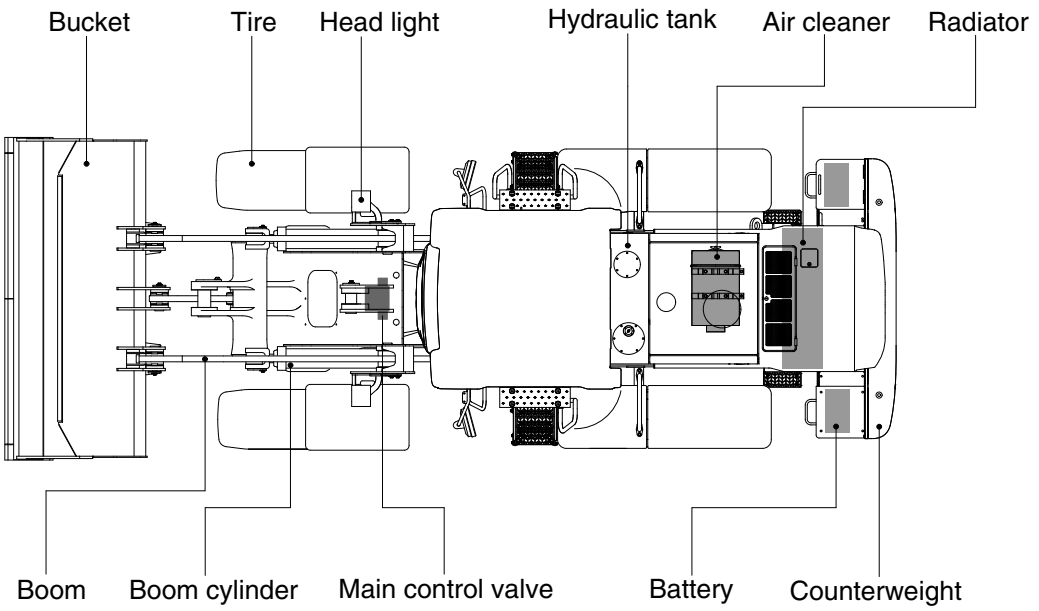
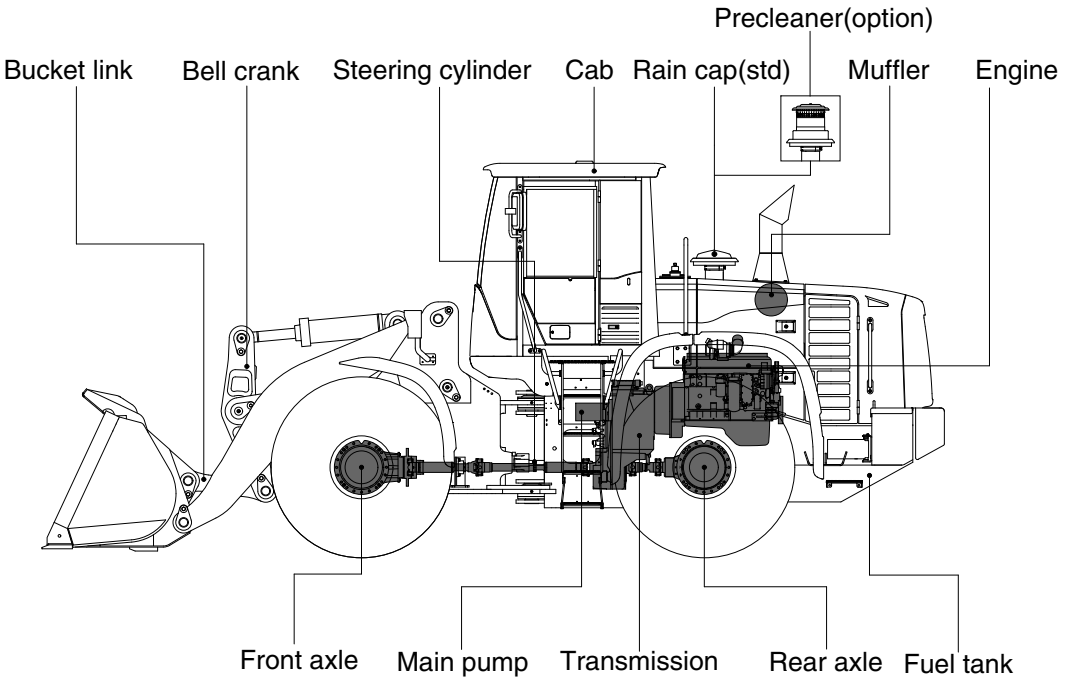
1. MAJOR COMPONENTS

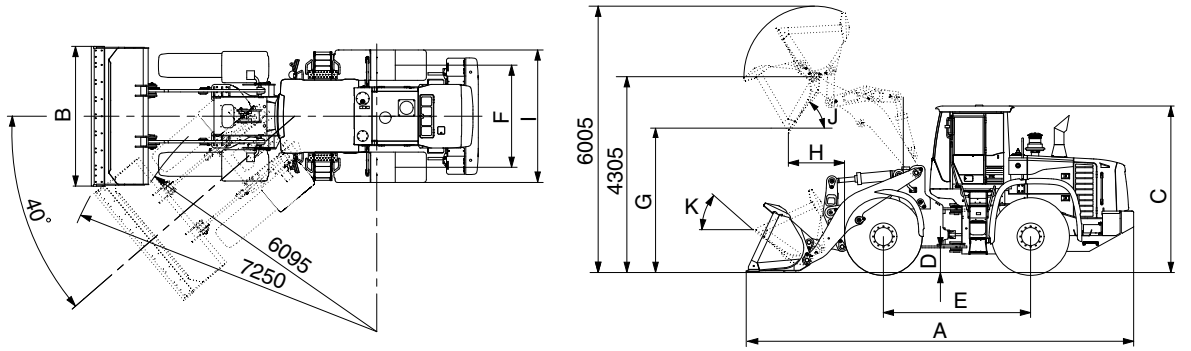




7709S2SE01

2. SPECIFICATIONS

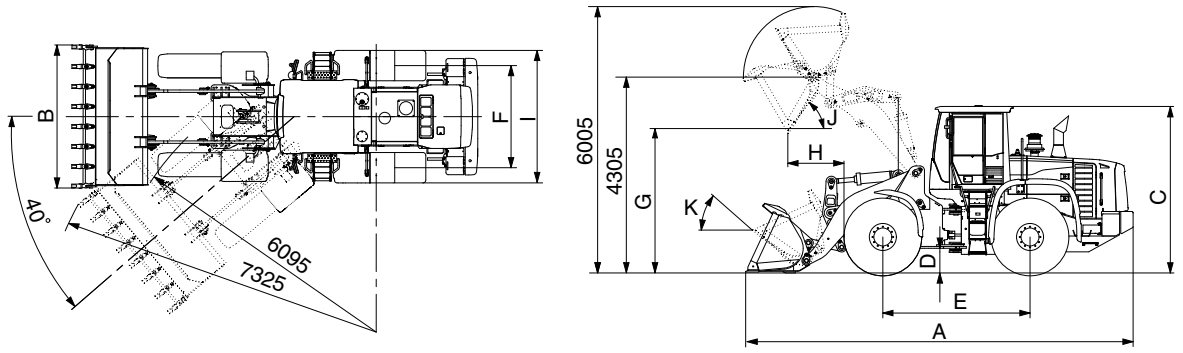
1) WITH BOLT-ON CUTTING EDGE TYPE BUCKET (HL775-9)



77592SE03

Description			Unit	Specification
Operating weight			kg (lb)	24670 (54390)
Bucket capacity		Struck	m^3 (yd^3)	4.0 (5.2)
		Heaped		4.7 (6.1)
Overall length		A	mm (ft-in)	9060 (29' 9")
Overall width		B		3250 (10' 8")
Overall height		C		3600 (11' 10")
Ground clearance		D		443 (1' 5")
Wheelbase		E		3520 (11' 7")
Tread		F		2300 (7' 7")
Dump clearance at 45˚		G		3040 (9' 12")
Dump reach (full lift)		H		1330 (4' 4")
Width over tires		I		2980 (9' 9")
Dump angle		J	degree (˚)	48
Roll back angle (carry position)		K		48
Cycle time		Lift (with load)	sec	5.4
		Dump (with load)		1.3
		Lower (empty)		3.4
Maximum travel speed			km/hr (mph)	39.0 (24.2)
Braking distance			m (ft-in)	12.7 (41' 8")
Minimum turning radius (center of outside tire)				6.095 (19' 11")
Gradeability			degree (˚)	30
Breakout force			kg (lb)	20650 (45530)
Travel speed	Forward	First gear	km/hr (mph)	7.1 (4.4)
		Second gear		12.5 (7.8)
		Third gear		26.7 (16.6)
		Fourth gear		39.0 (24.2)
	Reverse	First gear		7.1 (4.4)
		Second gear		12.5 (7.8)
		Third gear		26.7 (16.6)

2) WITH TOOTH TYPE BUCKET (HL775-9)



77592SE04

Description		Unit	Specification
Operating weight		kg (lb)	24600 (54235)
Bucket capacity	Struck	m^3 (yd^3)	3.8 (4.97)
	Heaped		4.5 (5.89)
Overall length	A	mm (ft-in)	9210 (30' 3")
Overall width	B		3300 (10' 10")
Overall height	C		3600 (11' 10")
Ground clearance	D		443 (1' 5")
Wheelbase	E		3520 (11' 7")
Tread	F		2300 (7' 7")
Dump clearance at 45˚	G		2915 (9' 7")
Dump reach (full lift)	H		1415 (4' 8")
Width over tires	I		2980 (9' 9")
Dump angle	J	degree (˚)	48
Roll back angle (carry position)	K		48
Cycle time	Lift (with load)	sec	5.4
	Dump (with load)		1.3
	Lower (empty)		3.4
Maximum travel speed		km/hr (mph)	39.0 (24.2)
Braking distance		m (ft-in)	12.7 (41' 8")
Minimum turning radius (center of outside tire)			6.095 (19' 11")
Gradeability		degree (˚)	30
Breakout force		kg (lb)	21820 (48105)
Travel speed	Forward	First gear	km/hr (mph)	7.1 (4.4)
		Second gear		12.5 (7.8)
		Third gear		26.7 (16.6)
		Fourth gear		39.0 (24.2)
	Reverse	First gear		7.1 (4.4)
		Second gear		12.5 (7.8)
		Third gear		26.7 (16.6)

3. WEIGHT

Item	kg	lb
Front frame assembly	2127	4690
Rear frame assembly	2532	5585
Front fender (LH/RH)	46	105
Rear fender (LH/RH)	32	75
Counterweight	1800	3970
Cab assembly	1167	2575
Engine assembly	984	2170
Transmission assembly	753	1665
Drive shaft (front)	41	95
Drive shaft (center)	37	85
Drive shaft (rear)	21	50
Front axle (include differential)	1200	2650
Rear axle (include differential)	1200	2650
Tire assy (26.5 R25 ★★ L3), 1EA	711	1570
Hydraulic tank assembly	289	640
Fuel tank assembly	270	595
Main pump assembly	84	190
Fan & brake pump assembly	14	35
Main control valve (2 spool/3 spool)	58/100	130/225
Steering valve (priority valve)	28	65
Boom assembly	1629	3595
Bell crank assembly	487	1075
Bucket link	81	179
Quick coupler assy (ISO Type)	678	1,495
Bolt-on cutting Edge (4.4 m^3)	2,266	5,000
Bolt-on cutting Edge (4.7 m^3)	2,339	5,160
Bolt-on cutting Edge (4.4 m^3), Quick coupler	2,241	4,945
1-Bolt-on tooth (4.2 m^3)	2,207	4,870
1-Bolt-on tooth (4.5 m^3)	2,267	5,000
1-Bolt-on tooth (4.2 m^3), Quick coupler	2,182	4,815
Boom cylinder assembly (LH / RH)	204	450
Bucket cylinder assembly (LH / RH)	206	455
Steering cylinder assembly (LH / RH)	43	95
Seat (Including suspension and armrest)	33	75
Battery (1EA)	53	120
Under Guard Kit / Cowl assy	81 / 490	180 / 1085
Mud Guard Assy (LH / RH)	67	150

4. SPECIFICATION FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Model	Cummins QSM11
Type	4-cycle turbocharged, charge air cooled diesel engine
Control type	Electronic control
Cooling method	Water cooling
Number of cylinders and arrangement	6 cylinders, in-line
Firing order	1-5-3-6-2-4
Combustion chamber type	Direct injection type
Cylinder bore × stroke	125×147 mm(4.92"×5.79")
Piston displacement	10800cc (659 cu in)
Compression ratio	16.3 : 1
Gross power	335 hp (250 kW) at 2100 rpm
Net power	330 hp (246 kW) at 2100 rpm
Maximum power	365 hp (272 kW) at 1800 rpm
Peak gross torque	171 kgf · m (1235 lbf · ft) at 1400 rpm
Engine oil quantity	34 ℓ (9.0 U.S. gal)
Wet weight	984 kg (2170 lb)
Starting motor	24 V - 7.8 kW
Alternator	24 V - 70 Amp
Battery	2×12 V×220 Ah

2) MAIN PUMP

Item	Specification
Type	Load sensing hydraulic system
Pump	Variable piston pump
Rated oil quantity	368 ℓ /min (97.2 U.S.gpm)
System pressure	280 kgf/cm^2 (4061 psi)

3) STEERING PUMP

Item	Specification
Type	Load sensing hydrostatic articulated steering
Pump	Variable piston pump
Rated oil quantity	237 ℓ /min (62.6 U.S.gpm)
System pressure	210 kgf/cm^2 (3046 psi)

4) MAIN CONTROL VALVE

Item	Specification
Type	2 spool / 3 spool
Operating method	Hydraulic pilot assist
Main relief valve pressure	280 kgf/cm^2 (3980 psi)
Overload relief valve pressure	340 kgf/cm^2 (4840 psi)

5) REMOTE CONTROL VALVE

Item		Specification
Type		Pressure reducing type
Operating pressure	Minimum	5 kgf/cm^2 (71 psi)
	Maximum	30 kgf/cm^2 (427 psi)
Single operation angle	degree	17

6) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	Ø160 × Ø95 × 765 mm
Bucket cylinder	Bore dia × Rod dia × Stroke	Ø180 × Ø95 × 570 mm
Steering cylinder	Bore dia × Rod dia × Stroke	Ø100 × Ø50 × 480 mm

7) DYNAMIC POWER TRANSMISSION DEVICES

Item			Specification
Transmission	Model		ZF 4WG260
	Type	Converter	Single-stage, single-phase
		Transmission	Full-automatic power shift
	Gear shift		Forward fourth gear, reverse third gear
	Control		Electrical single lever type, kick-down system Automatic kick down from 2nd to 1st gear
Axle	Drive devices		4-wheel drive
	Front		Front fixed location
	Rear		Oscillation ±12° of center pin-loaded
Wheels	Tires		26.5 R25 ★★ L3
Brakes	Travel		Four-wheel, wet-disc type, full hydraulic
	Parking		Spring applied, hydraulic released brake
Steering	Type		Full hydraulic, articulated
	Steering angle		40° to both right and left angle, respectively