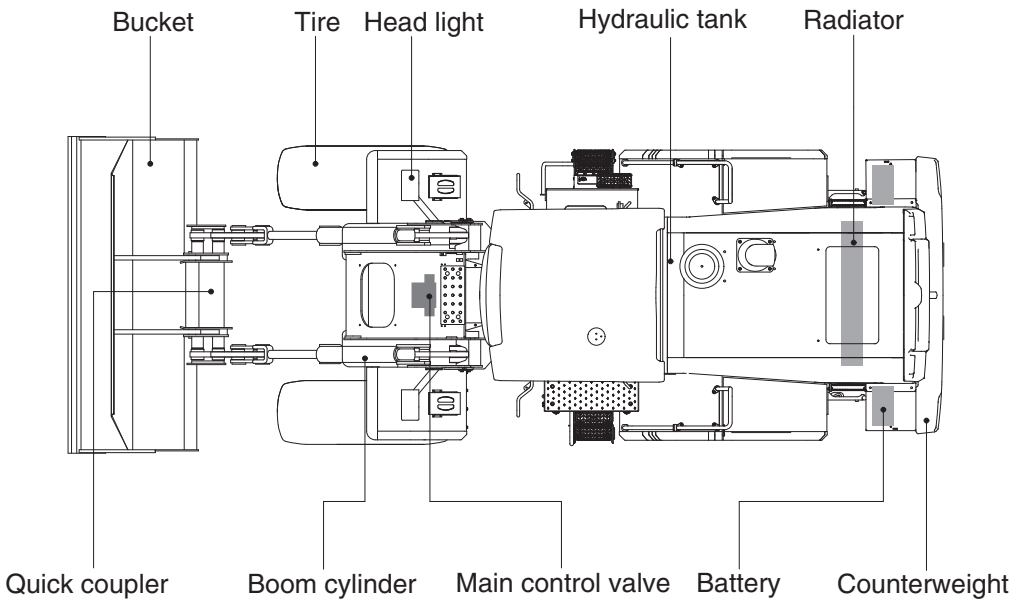
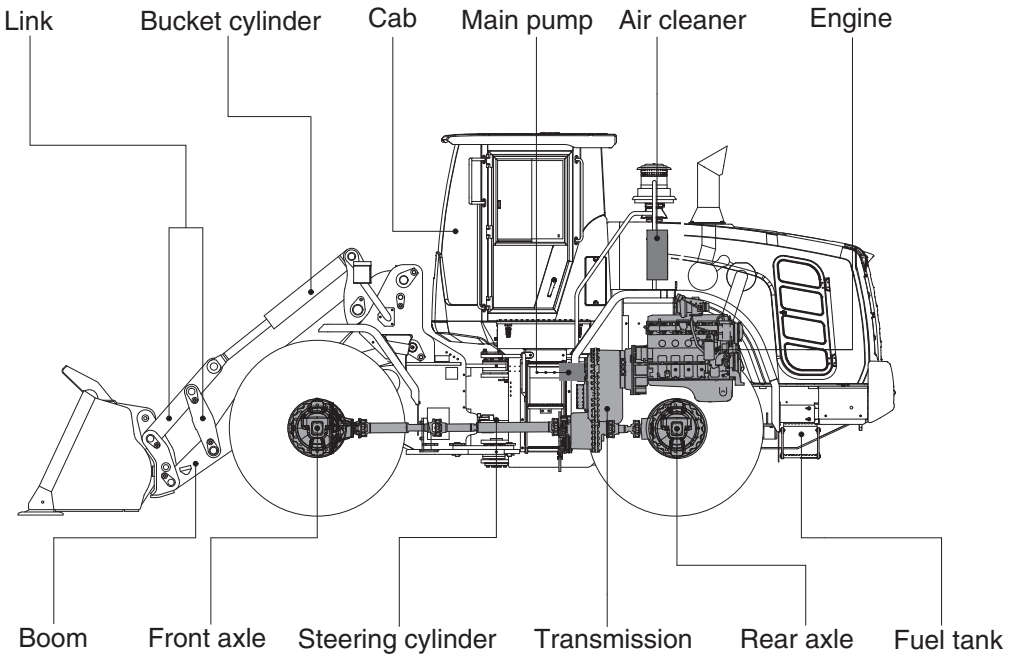
1. MAJOR COMPONENTS

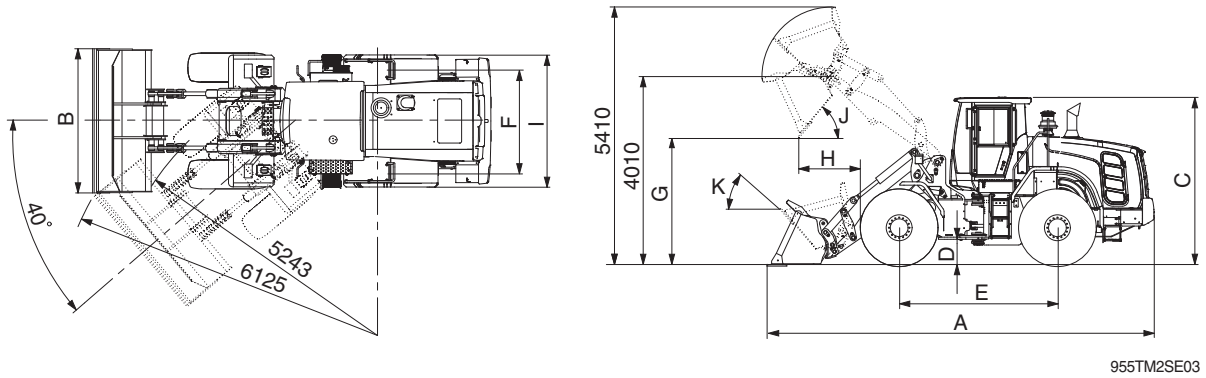




955TM2SE01

2. SPECIFICATIONS

WITH BOLT-ON CUTTING EDGE TYPE BUCKET



955TM2SE03

Description			Unit	Specification
Operating weight			kg (lb)	15600 (34390)
Bucket capacity		Struck	m^3 (yd^3)	2.3 (3.0)
		Heaped		2.7 (3.5)
Overall length		A	mm (ft-in)	7830 (25' 8")
Overall width		B		2740 (9' 0")
Overall height		C		3390 (11' 1")
Ground clearance		D		410 (1' 4")
Wheelbase		E		3050 (10' 0")
Tread		F		2050 (6' 9")
Dump clearance at 45˚		G		2840 (9' 4")
Dump reach (full lift)		H		1315 (4' 4")
Width over tires		I		2580 (8' 6")
Dump angle		J	degree (˚)	50
Roll back angle (carry position)		K		54
Cycle time		Lift	sec	5.8
		Dump		2.0
		Lower		3.9
Maximum travel speed			km/hr (mph)	38.5 (23.9)
Braking distance			m (ft-in)	12 (39' 4")
Minimum turning radius (center of outside tire)				5.24 (17' 2")
Gradeability			degree (˚)	30
Brakeout force			kg (lb)	12800 (28220)
Travel speed	Forward	First gear	km/hr (mph)	6.9 (4.3)
		Second gear		11.4 (7.1)
		Third gear		23.0 (14.3)
		Fourth gear		38.5 (23.9)
	Reverse	First gear		7.3 (4.5)
		Second gear		12.0 (7.5)
		Third gear		24.3 (15.1)
Tipping load		Straight	kg (lb)	10310 (22730)
		Full-turn		8850 (19510)

3. WEIGHT

Item	kg	lb
Front frame assembly	1213	2670
Rear frame assembly	1658	3660
Front fender (LH & RH)	60	132
Counterweight	800	1760
Cab assembly	1070	2360
Engine assembly	520	1150
Transmission assembly (4-speed/5-speed)	518/560	1140/1230
Drive shaft (front)	30	66
Drive shaft (center)	22	49
Drive shaft (rear)	13	29
Front axle (include differential)	970	2200
Rear axle (include differential)	760	2140
Tire (20.5 R25, ★ L3)	230	507
Hydraulic tank assembly	168	370
Fuel tank assembly	336	741
Main pump assembly	55	121
Fan & brake pump assembly	12	26
Main control valve (3 spool)	41	90
Steering valve (EHPS)	10	22
Boom assembly	910	2010
Quick coupler assembly	250	550
Bucket link	410	900
2.7 m^3 bucket, with bolt on cutting edge	1390	3070
Boom cylinder assembly	125	276
Bucket cylinder assembly	65	140
Steering cylinder assembly	20	44
Seat	80	176
Battery	44	97

4. SPECIFICATION FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Model	Cummins QSB6.7
Type	4-cycle turbocharged and 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	107×124 mm (4.2"×4.9")
Piston displacement	6700 cc (408 cu in)
Compression ratio	17.3 : 1
Rated horse power (Gross)	200 hp at 2200 rpm
Maximum torque at 1400 rpm	95 kgf · m (685 lbf · ft)
Engine oil quantity	18 ℓ (4.8 U.S. gal)
Wet weight	520 kg(1146 lb)
High idling speed	2230 ± 50 rpm
Low idling speed	800± 25 rpm
Rated fuel consumption	217 g/kW · hr
Starting motor	Denso PA90L (24V-7.8kW)
Alternator	Denso (24V-95Amp)
Battery	2×12V×160Ah

2) MAIN PUMP

Item	Specification
Type	Variable piston pump
Capacity	54+38 cc/rev
Maximum operating pressure	280 kgf/cm^2 (3980 psi)
Rated oil quantity	185 ℓ /min (48.8 U.S.gpm / 40.6 U.K.gpm)
Maximum speed	2230 rpm

3) FAN AND BRAKE PUMP

Item	Specification
Type	Variable piston pump
Capacity	28 cc/rev
Maximum operating pressure	250 kgf/cm^2 (3560 psi)
Rated oil quantity	56 ℓ /min (15.6 U.S.gpm)
Maxmum speed	2230 rpm

4) MAIN CONTROL VALVE

Item	Specification
Type	2 spool
Operating method	Hydraulic pilot assist
System pressure	280 kgf/cm^2 (3980 psi)
Overload relief valve pressure	340 kgf/cm^2 (4840 psi) / ★150 kgf/cm^2 (2130 psi)

★ : Bucket dump

5) ELECTRO-HYDRAULIC BLOCK

Item	Specification
Type	Proportional pressure reducing vlave
Control current	0~950 mA
Resistance	10.5 Ω
Normal flow	12 ℓ /min (3.17 U.S.gpm)

6) REMOTE CONTROL VALVE (EH TYPE)

Item	Specification
Type	Fingertip
Axle	Single axle for boom, bucket, auxiliary
Operating voltage	4.5~5.5 V
Output signal	0.5~4.5 V (neutral 2.5 V)

7) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	ø 125 × ø 70 × 745 mm
Bucket cylinder	Bore dia × Rod dia × Stroke	ø 110 × ø 65 × 755 mm
Steering cylinder	Bore dia × Rod dia × Stroke	ø 65 × ø 45 × 436 mm

8) DYNAMIC POWER TRANSMISSION DEVICES

Item			Specification
4-speed transmission (std)	Model		ZF 4WG 190
	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
	Travel speed		See the page 2-2.
5-speed transmission (opt)	Model		ZF 5WG210
	Type	Converter	Single-stage, double-phase (with lock up clutch)
		Transmission	Full-automatic power shift
	Gear shift		Forward fifth gear, reverse third gear
	Control		Electrical single lever type, kick-down system
	Travel speed	Forward 1/2/3/4/5	6.4 / 11.1 / 17.1 / 26.6 / 40.0 km/hr
		Reverse 1/2/3	6.7 / 11.7 / 28.0 km/hr
Axle	Drive devices		4-wheel drive
	Front		Front fixed location
	Rear		Oscillation ±11° of center pin-loaded
Wheels	Tires		20.5 R25, ★(L3)
Brakes	Travel		Four-wheel, wet-disc type, full hydraulic
	Parking		Spring applied, hydraulic released brake on transmission
Steering	Type		Full hydraulic, articulated
	Steering angle		40° to both right and left angle, respectively
	Relief pressure		235 kgf/cm^2 (3340 psi)