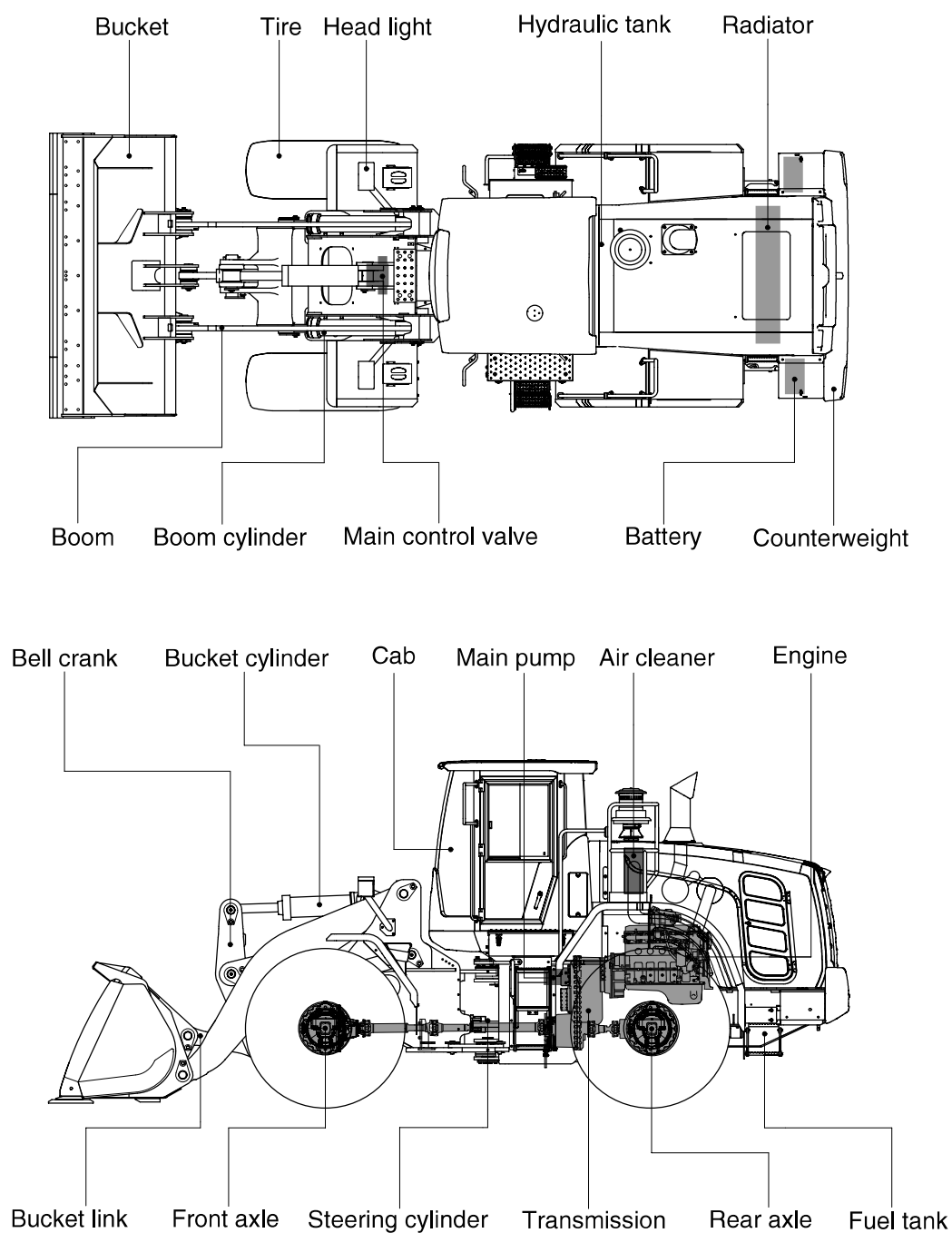


2. SPECIFICATIONS

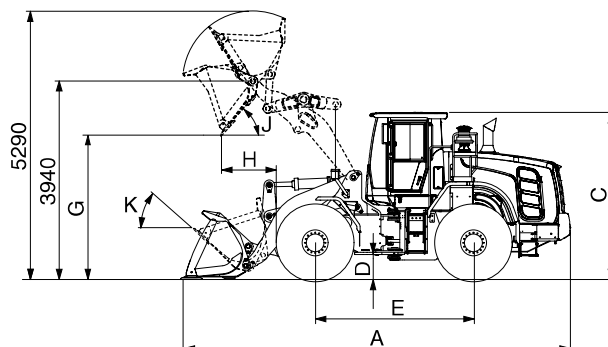
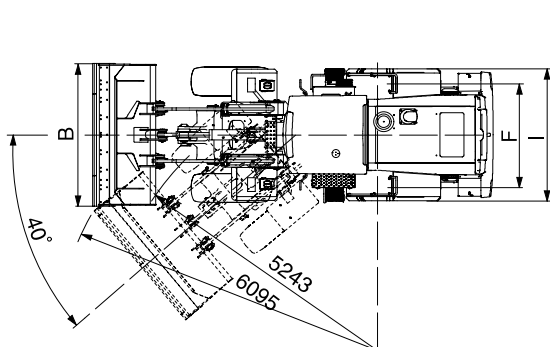
1. MAJOR COMPONENTS



760F2SE01

2. SPECIFICATIONS

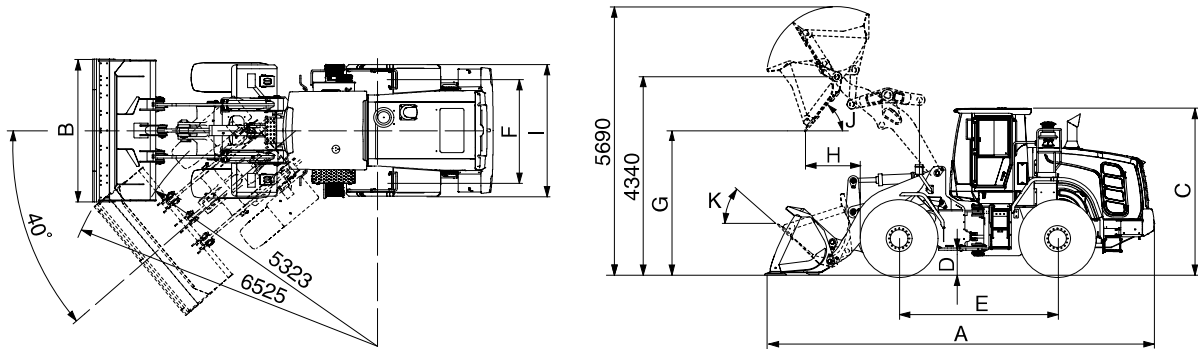
1) WITH BOLT-ON CUTTING EDGE TYPE BUCKET (HL955)



757F2SE03

Description			Unit	Specification
Operating weight			kg (lb)	15100 (33290)
Bucket capacity	Struck		m³ (yd³)	2.4 (3.1)
	Heaped			2.8 (3.7)
Overall length	A		mm (ft-in)	7630 (25' 0")
Overall width	B			2740 (9' 0")
Overall height	C			3390 (10' 10")
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			1125 (3' 8")
Width over tires	I			2580 (8' 6")
Dump angle	J			degree (°)
Roll back angle (carry position)	K		48	
Cycle time	Lift (with load)		sec	5.8
	Dump (with load)			1.2
	Lower (empty)			3.8
Maximum travel speed			km/hr (mph)	38.5 (24.0)
Braking distance			m (ft-in)	13 (42' 8")
Minimum turning radius (center of outside tire)				5.24 (17' 2")
Gradeability			degree (°)	30
Breakout force			kg (lb)	13000 (28660)
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 (24.0)
	Reverse	First gear		7.3 (4.5)
		Second gear		12.0 (7.5)
		Third gear		24.3 (15.1)

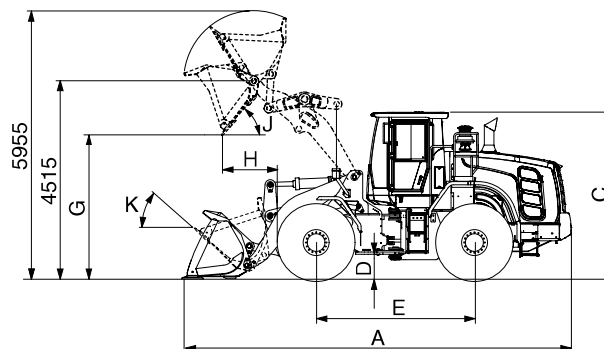
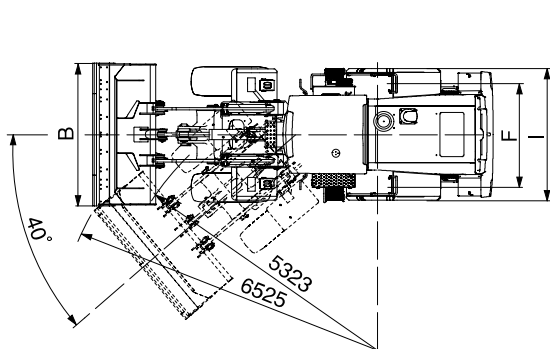
WITH BOLT-ON CUTTING EDGE TYPE BUCKET (HL955 XT, ~#0298)



757F2SE03-1

Description			Unit	Specification
Operating weight			kg (lb)	15600 (34390)
Bucket capacity	Struck		m³ (yd³)	2.4 (3.1)
	Heaped			2.8 (3.7)
Overall length	A		mm (ft-in)	8040 (26' 5")
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			3235 (10' 7")
Dump reach (full lift)	H			1150 (4' 7")
Width over tires	I			2580 (8' 6")
Dump angle	J			degree (°)
Roll back angle (carry position)	K		48	
Cycle time	Lift (with load)		sec	5.8
	Dump (with load)			1.2
	Lower (empty)			3.8
Maximum travel speed			km/hr (mph)	38.5 (24.0)
Braking distance			m (ft-in)	13 (42' 8")
Minimum turning radius (center of outside tire)				5.32 (17' 2")
Gradeability			degree (°)	30
Breakout force			kg (lb)	12910 (28460)
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 (24.0)
	Reverse	First gear		7.3 (4.5)
		Second gear		12.0 (7.5)
		Third gear		24.3 (15.1)

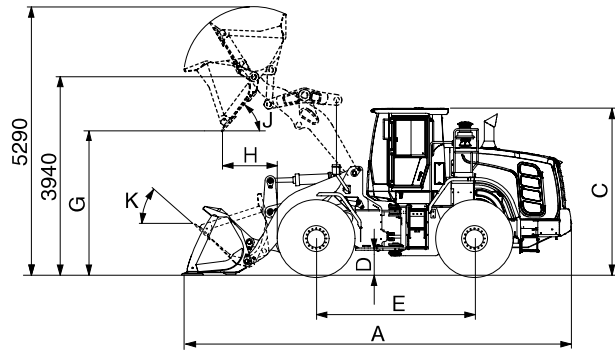
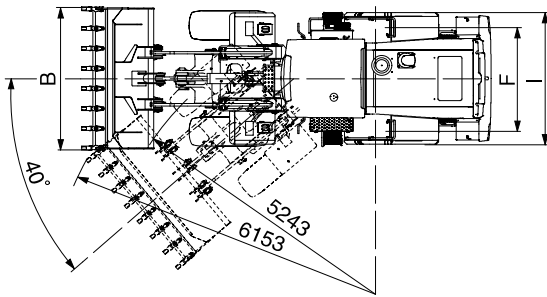
WITH BOLT-ON CUTTING EDGE TYPE BUCKET(HL955 XT, #0299~)



757F2SE03-2

Description			Unit	Specification
Operating weight			kg (lb)	15775 (34780)
Bucket capacity	Struck		m³ (yd³)	2.4 (3.1)
	Heaped			2.8 (3.7)
Overall length	A		mm (ft-in)	8235 (27' 0")
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			3415 (11' 2")
Dump reach (full lift)	H			1165 (3' 9")
Width over tires	I			2580 (8' 6")
Dump angle	J			degree (°)
Roll back angle (carry position)	K		50	
Cycle time	Lift (with load)		sec	5.8
	Dump (with load)			1.2
	Lower (empty)			3.8
Maximum travel speed			km/hr (mph)	38.5 (24.0)
Braking distance			m (ft-in)	13 (42' 8")
Minimum turning radius (center of outside tire)				5.32 (17' 2")
Gradeability			degree (°)	30
Breakout force			kg (lb)	12790 (28200)
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 (24.0)
	Reverse	First gear		7.3 (4.5)
		Second gear		12.0 (7.5)
		Third gear		24.3 (15.1)

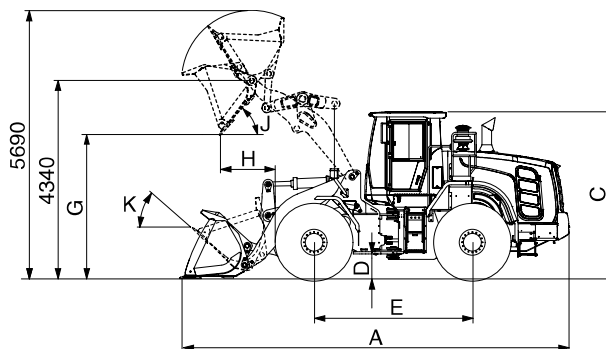
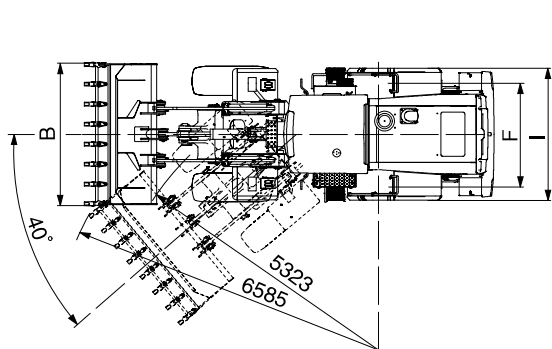
2) WITH TOOTH TYPE BUCKET (HL955)



757F2SE02

Description			Unit	Specification
Operating weight			kg (lb)	15000 (33070)
Bucket capacity	Struck		m³ (yd³)	2.2 (2.9)
	Heaped			2.6 (3.4)
Overall length	A		mm (ft-in)	7750 (25' 5")
Overall width	B			2790 (9' 2")
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			2750 (9' 1")
Dump reach (full lift)	H			1175 (3' 10")
Width over tires	I			2580 (8' 6")
Dump angle	J			degree (°)
Roll back angle (carry position)	K		48	
Cycle time	Lift (with load)		sec	5.8
	Dump (with load)			1.2
	Lower (empty)			3.8
Maximum travel speed			km/hr (mph)	38.5 (24.0)
Braking distance			m (ft-in)	13 (42' 8")
Minimum turning radius (center of outside tire)				5.24 (17' 2")
Gradeability			degree (°)	30
Breakout force			kg (lb)	13870 (30580)
Travel speed	Forward	First gear	km/hr (mph)	6.9 (4.3)
		Second gear		11.4 (7.1)
		Third gear		23 (14.3)
		Fourth gear		38.5 (24.0)
	Reverse	First gear		7.3 (4.5)
		Second gear		12.0 (7.5)
		Third gear		24.3 (15.1)

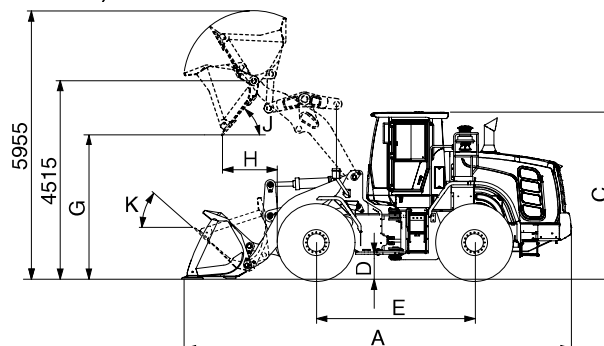
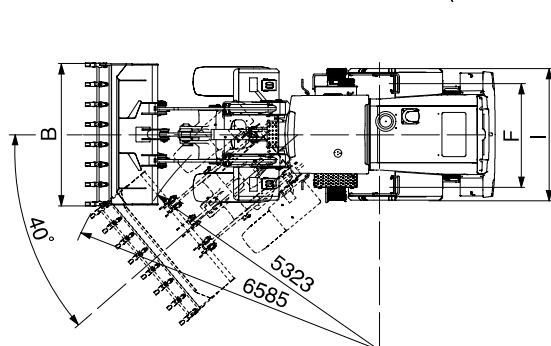
WITH TOOTH TYPE BUCKET (HL955 XT, ~#0298)



757F2SE02-1

Description			Unit	Specification
Operating weight			kg (lb)	15500 (34170)
Bucket capacity	Struck		m³ (yd³)	2.2 (2.9)
	Heaped			2.6 (3.4)
Overall length	A		mm (ft-in)	8250 (27' 2")
Overall width	B			2790 (9' 2")
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			3145 (10' 4")
Dump reach (full lift)	H			1235 (4' 1")
Width over tires	I			2580 (8' 6")
Dump angle	J			degree (°)
Roll back angle (carry position)	K		48	
Cycle time	Lift (with load)		sec	5.8
	Dump (with load)			1.2
	Lower (empty)			3.8
Maximum travel speed			km/hr (mph)	38.5 (24.0)
Braking distance			m (ft-in)	13 (42' 8")
Minimum turning radius (center of outside tire)				5.32 (17' 2")
Gradeability			degree (°)	30
Breakout force			kg (lb)	13775 (30370)
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 (24.0)
	Reverse	First gear		7.3 (4.5)
		Second gear		12.0 (7.5)
		Third gear		24.3 (15.1)

WITH TOOTH TYPE BUCKET (HL955 XT, #0299~)



757F2SE02-2

Description			Unit	Specification
Operating weight			kg (lb)	15700 (34613)
Bucket capacity	Struck		m³ (yd³)	2.2 (2.9)
	Heaped			2.6 (3.4)
Overall length	A		mm (ft-in)	8355 (27' 5")
Overall width	B			2790 (9' 2")
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			3325 (10' 11")
Dump reach (full lift)	H			1235 (4' 1")
Width over tires	I			2580 (8' 6")
Dump angle	J			degree (°)
Roll back angle (carry position)	K		50	
Cycle time	Lift (with load)		sec	5.8
	Dump (with load)			1.2
	Lower (empty)			3.8
Maximum travel speed			km/hr (mph)	38.5 (24.0)
Braking distance			m (ft-in)	13 (42' 8")
Minimum turning radius (center of outside tire)				5.32 (17' 2")
Gradeability			degree (°)	30
Breakout force			kg (lb)	13170 (29050)
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 (24.0)
	Reverse	First gear		7.3 (4.5)
		Second gear		12.0 (7.5)
		Third gear		24.3 (15.1)

3. WEIGHT

Item		kg	lb
Front frame assembly		1160	2560
Rear frame assembly		1655	3650
Front fender (LH & RH)		60	132
Counterweight	HL955	500	1100
	HL955 XT	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 (2/3 spool)		34/41	75/90
Steering valve (EHPS)		10	22
Boom assembly	HL955	980	2160
	HL955 XT (~#0298)	1210	2670
	HL955 XT (#0299~)	1315	2900
Bell crank assembly		260	573
Bucket link		44	97
2.8 m³ bucket, with bolt on cutting edge		1240	2730
2.6 m³ bucket, with tooth		1350	2980
Boom cylinder assembly		125	276
Bucket cylinder assembly		112	247
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, 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 (1400 rpm)	95 kgf·m (685 lbf·ft)
Engine oil quantity	18ℓ (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 (at rated)	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	185ℓ/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	56ℓ/min (15.6 U.S.gpm)
Maximum 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) / *300 kgf/cm ² (4270 psi)

* : Bucket dump

5) ELECTRO-HYDRAULIC BLOCK

Item	Specification
Type	Proportional pressure reducing valve
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 x Rod dia x Stroke	Ø125 x Ø70 x 745 mm
Bucket cylinder	Bore dia x Rod dia x Stroke	Ø140 x Ø75 x 485 mm
Steering cylinder	Bore dia x Rod dia x Stroke	Ø 65 x Ø45 x 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 $\pm 11^\circ$ 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)