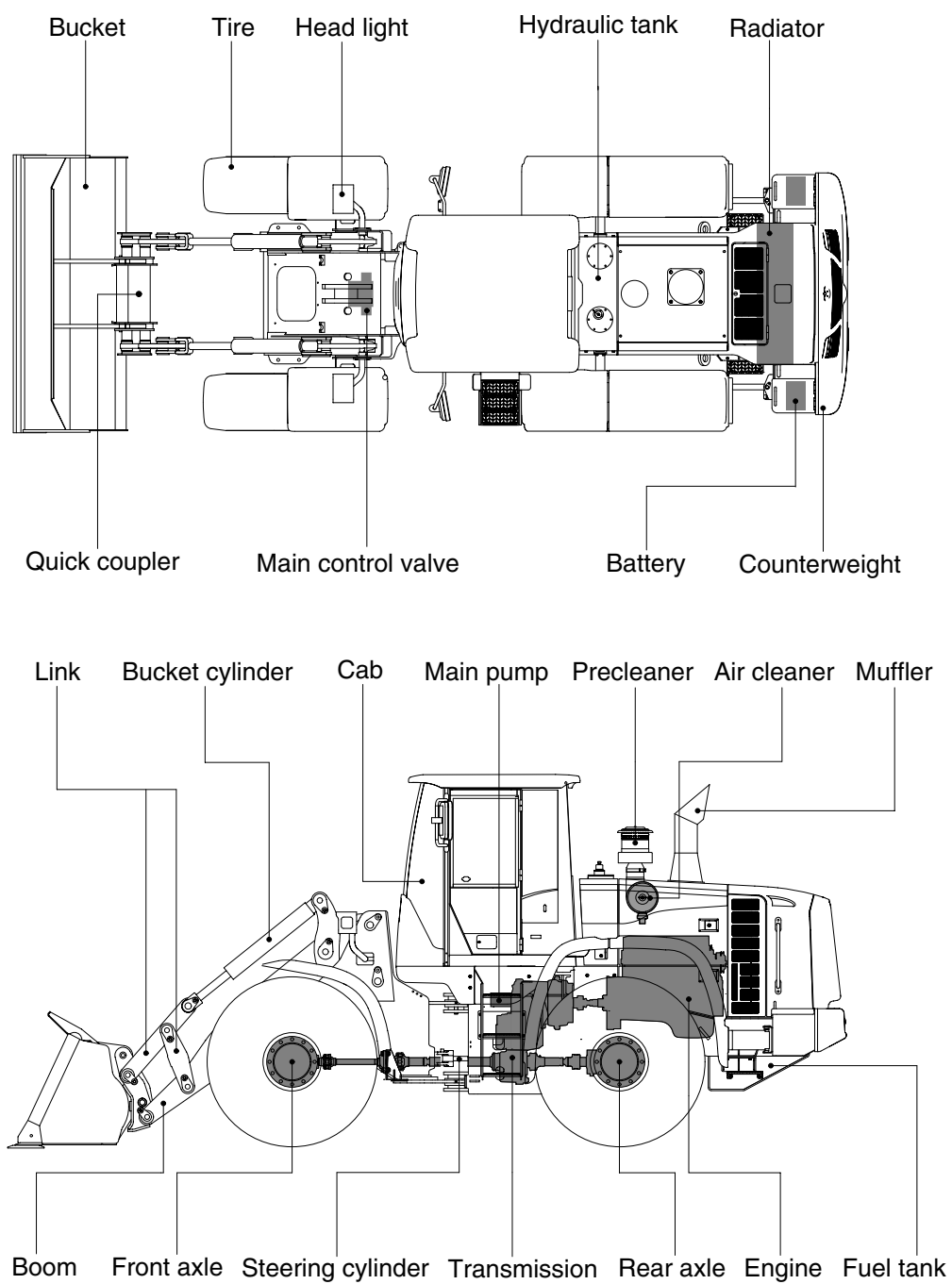


2. SPECIFICATIONS

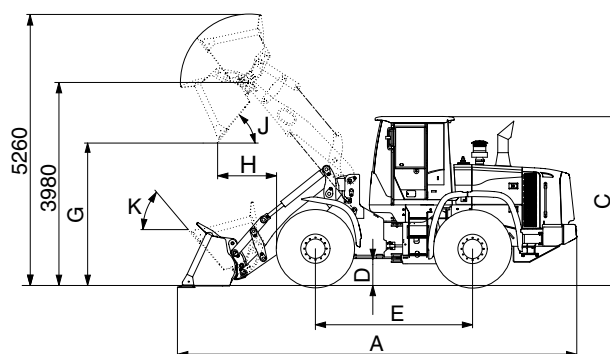
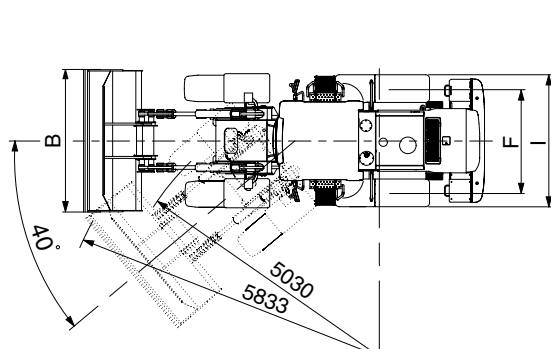
1. MAJOR COMPONENTS



740TM92SP05

2. SPECIFICATIONS

WITH BOLT-ON CUTTING EDGE TYPE BUCKET



740TM92SP02

Description			Unit	Specification
Operating weight			kg (lb)	12600 (27780)
Bucket capacity	Struck		m³ (yd³)	2.0 (2.6)
	Heaped			2.3 (3.0)
Overall length	A		mm (ft-in)	7660 (25' 2")
Overall width	B			2550 (8' 4")
Overall height	C			3260 (10' 8")
Ground clearance	D			417 (1' 4")
Wheelbase	E			2900 (9' 6")
Tread	F			1900 (6' 3")
Dump clearance at 45°	G			2840 (9' 4")
Dump reach (full lift)	H			1330 (4' 4")
Width over tires	I			2430 (8' 0")
Dump angle	J			degree (°)
Roll back angle (carry position)	K		54	
Cycle time	Lift (with load)		sec	5.5
	Dump (with load)			1.6
	Lower (empty)			3.0
Maximum travel speed			km/hr (mph)	39.0 (24.3)
Braking distance			m (ft-in)	12 (39' 4")
Minimum turning radius (center of outside tire)				5.03 (16' 6")
Gradeability			degree (°)	30
Travel speed	Forward	First gear	km/hr (mph)	6.7 (4.2)
		Second gear		12.2 (7.6)
		Third gear		23.8 (14.8)
		Fourth gear		39.0 (24.3)
	Reverse	First gear		7.1 (4.4)
		Second gear		12.9 (8.0)
		Third gear		25.1 (15.6)

3. WEIGHT

Item	kg	lb
Front frame assembly	978	2160
Rear frame assembly	1313	2890
Front fender (LH & RH)	31	68
Counterweight	900	1980
Cab assembly	700	1540
Engine assembly	485	1070
Transmission assembly	397	875
Drive shaft (front)	18	40
Drive shaft (center)	16	35
Drive shaft (rear)	13	29
Drive shaft (upper)	7	15
Front axle (include differential)	575	1270
Rear axle (include differential)	560	1240
Tire (20.5-25, 16PR, L3)	203	448
Hydraulic tank assembly	212	467
Fuel tank assembly	290	639
Main pump assembly	28	62
Fan & brake pump assembly	7	15
Main control valve (2/3 spool)	34/41	75/90
Boom assembly	670	1480
Quick coupler assembly	215	474
Bucket link	45	99
2.3 m ³ bucket, with bolt on cutting edge	1055	2330
Boom cylinder assembly	90	198
Bucket cylinder assembly	111	245
Steering cylinder assembly	19	42
Seat	40	88
Battery	28	62

4. SPECIFICATION FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Model	Cummins QSB6.7 / HYUNDAI HE6.7
Type	4-cycle turbocharged and charge air-cooled diesel engine.
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	6730 cc (409 cu in)
Compression ratio	17.2 : 1
Rated gross horse power	145 hp at 2100 rpm
Maximum gross torque at 1400rpm	69 kgf · m (499 lbf · ft)
Engine oil quantity	18 l (4.8 U.S. gal)
Dry weight	485 kg (1069 lb)
High idling speed	2230 ± 50rpm
Low idling speed	950 ± 25 rpm
Rated fuel consumption (at rated)	254 g/kw · hr
Starting motor	Nippondenso 228000-7902 (24 V-3.7 kW)
Alternator	Delco Remy 24SI (24V-70Amp)
Battery	2 × 12V × 80Ah

2) MAIN PUMP

Item	Specification
Type	Variable piston pump
Capacity	74 cc/rev
Maximum operating pressure	280 kgf/cm ² (3980 psi)
Rated operating speed	2100 rpm
Rated output flow	155 l /min (40.9 U.S.gpm)

3) FAN AND BRAKE PUMP

Item	Specification	
	Fan	Brake
Type	Fixed displacement tandem helical gear pump	
Capacity	9.1 cc/rev	9.1 cc/rev
Maximum operating pressure	120 kgf/cm ² (1710 psi)	150 kgf/cm ² (2130 psi)
Rated operating speed	2100 rpm	
Rated output flow	19 l /min (5.0 U.S.gpm)	19 l /min (5.0 U.S.gpm)

4) MAIN CONTROL VALVE

Item	Specification
Type	2 spool (sectional block)
Operating method	Hydraulic pilot assist
Main relief valve set pressure	280 kgf/cm ² (3980 psi)
Overload relief valve set pressure	340 kgf/cm ² (4840 psi) / *150 kgf/cm ² (2130 psi)

* : Bucket dump

5) REMOTE CONTROL VALVE

Item	Specification
Type	Joystick (or with aux lever)
Control pressure	Minimum 3.7 kgf/cm ² (52.6 psi)
	Maximum 30 kgf/cm ² (427 psi)

6) CYLINDER

Item	Specification
Boom cylinder	Bore dia × Rod dia × Stroke ø 110 × ø 65 × 738 mm
Bucket cylinder	Bore dia × Rod dia × Stroke ø 95 × ø 50 × 745 mm
Steering cylinder	Bore dia × Rod dia × Stroke ø 65 × ø 40 × 429 mm

7) DYNAMIC POWER TRANSMISSION DEVICES

Item		Specification
Torque converter	Model	ZF 4WG160
	Type	Single-stage, single-phase
	Ratio	2.348 : 1
Transmission	Type	Full-automatic power shift
	Gear shift	Forward fourth gear, reverse third gear
	Control	Electrical single lever type, kick-down system
	Pump rated flow	85 ℓ /min (22.5 U.S.gpm) at 2000 rpm
Axle	Drive devices	4-wheel drive
	Front	Front fixed location
	Rear	Oscillation $\pm 12^\circ$ of center pin-loaded
Wheels	Tires	20.5-25, 16PR (L3)
Brakes	Travel	Four-wheel, wet-disc type, full hydraulic
	Parking	Spring applied, hydraulic released brake on front axle
Steering	Type	Full hydraulic, articulated
	Steering angle	40° to both right and left angle, respectively