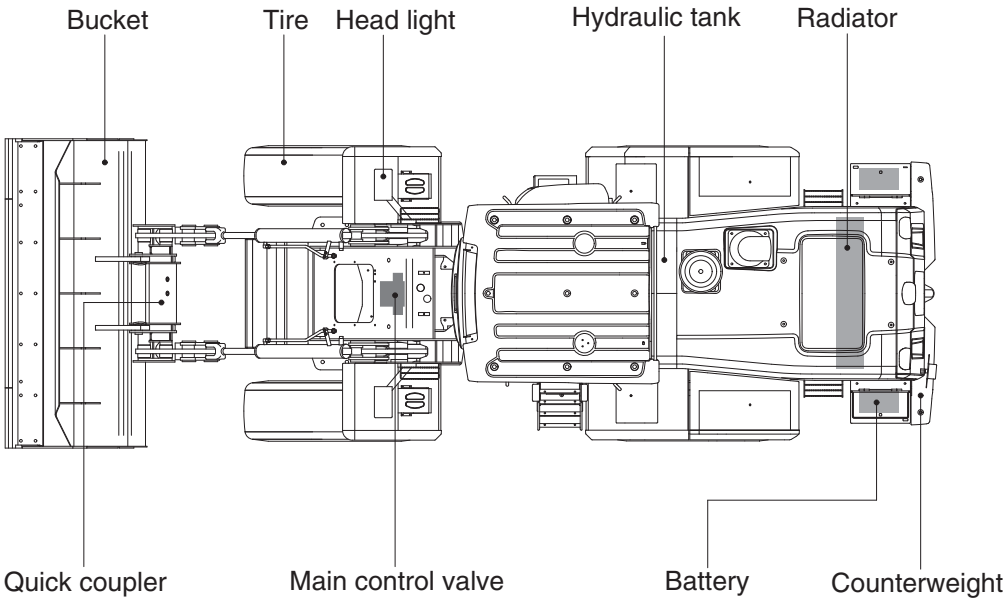
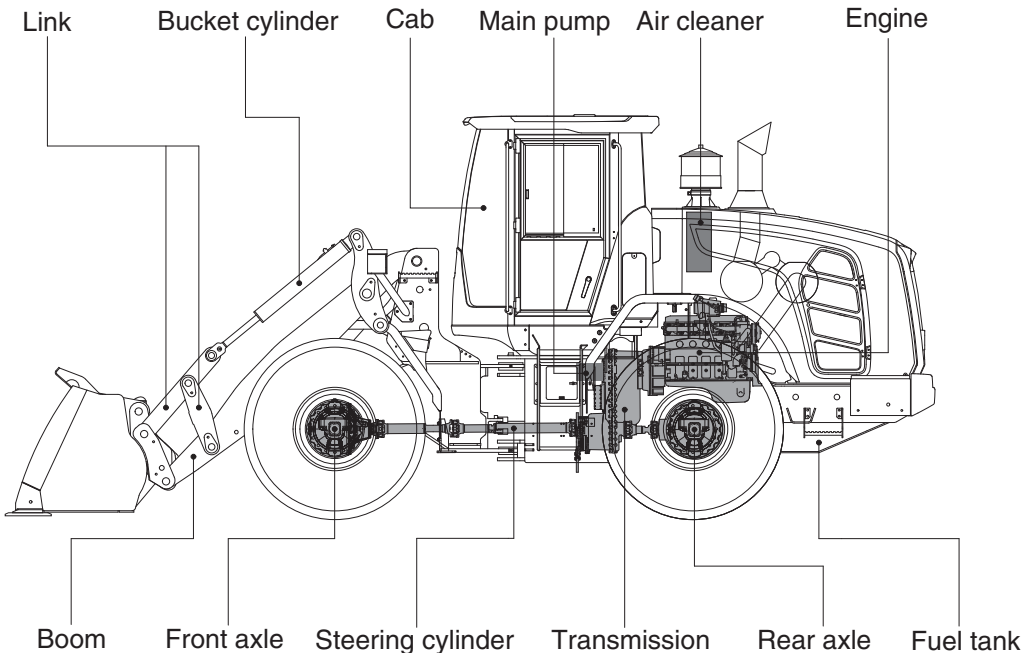
1. MAJOR COMPONENTS

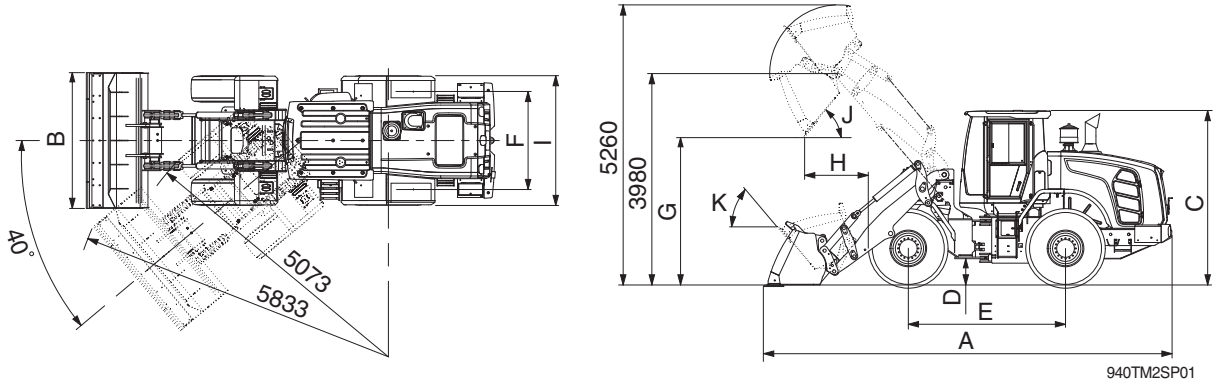




940TM2SE01

2. SPECIFICATIONS

WITH BOLT-ON CUTTING EDGE TYPE BUCKET



Description			Unit	Specification
Operating weight			kg (lb)	13600 (29980)
Bucket capacity		Struck	m^3 (yd^3)	2.0 (2.6)
		Heaped		2.3 (3.0)
Overall length		A	mm (ft-in)	7715 (25' 3")
Overall width		B		2550 (8' 4")
Overall height		C		3300 (10' 9")
Ground clearance		D		417 (1' 4")
Wheelbase		E		2950 (9' 8")
Tread		F		1900 (6' 3")
Dump clearance at 45˚		G		2840 (9' 3")
Dump reach (full lift)		H		1330 (4' 4")
Width over tires		I		2430 (8' 0")
Dump angle		J	degree (˚)	50
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)	40.0 (24.9)
Braking distance			m (ft-in)	12 (39' 4")
Minimum turning radius (center of outside tire)				5.07 (16' 8")
Gradeability			degree (˚)	30
Brakeout force			kg (lb)	10830 (23880)
Travel speed	Forward	First gear	km/hr (mph)	6.9 (4.3)
		Second gear		12.7 (7.9)
		Third gear		24.9 (15.5)
		Fourth gear		40.0 (24.9)
	Reverse	First gear		7.3 (4.5)
		Second gear		13.4 (8.3)
		Third gear		26.1 (16.2)
Tipping load		Straight	kg (lb)	8600 (18960)
		Full-turn		7400 (16310)

3. WEIGHT

Item	kg	lb
Front frame assembly	1010	2230
Rear frame assembly	1259	2780
Front fender (LH & RH)	45	99
Counterweight (LH / RH)	300/300	660/660
Cab assembly	980	2160
Engine assembly	520	1150
Transmission assembly	430	948
Drive shaft (front)	15	33
Drive shaft (center)	22	49
Drive shaft (rear)	13	29
Drive shaft (upper)	7	15
Front axle (include differential)	750	1650
Rear axle (include differential)	760	1680
Tire (20.5 R25, *L3)	238	525
Hydraulic tank assembly	138	304
Fuel tank assembly	291	642
Main pump assembly	35	77
Fan & brake pump assembly	12	26
Main control valve (3 spool)	41	90
Boom assembly	680	1500
Quick coupler assembly	215	474
Bucket link	300	660
2.3 m^3 bucket, with bolt on cutting edge	1020	2250
Boom cylinder assembly	106	235
Bucket cylinder assembly	54	120
Steering cylinder assembly	16	35
Seat	60	132
Battery	30	66

4. SPECIFICATION FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Model	Cummins QSB6.7
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	6700 cc (408 cu in)
Compression ratio	17.3 : 1
Rated gross horse power	158 hp at 2100 rpm
Maximum gross torque at 1400rpm	86 kgf · m (622 lbf · ft)
Engine oil quantity	18 ℓ (4.8 U.S. gal)
Wet weight	580 kg (1279 lb)
High idling speed	2230±50rpm
Low idling speed	800±25 rpm
Rated fuel consumption (at rated)	224 g/kw · hr
Starting motor	Nippondenso PA90L (24 V-7.8 kW)
Alternator	Delco Remy 24SI (24V-95 Amp)
Battery	2×12V×120Ah

2) MAIN PUMP

Item	Specification
Type	Variable piston pump
Capacity	74 cc/rev
Maximum operating pressure	280 kgf/cm^2 (3980 psi)
Maximum operating speed	2230 rpm
Rated output flow	149 ℓ/min (39.4 U.S.gpm)

3) FAN AND BRAKE PUMP

Item	Specification	
	Fan	Brake
Type	Variable piston pump	
Capacity	28 cc/rev	
Maximum operating pressure	250 bar	150 bar
Maximum operating speed	2230 rpm	
Rated output flow	56 ℓ/min (14.8 U.S.gpm)	

4) MAIN CONTROL VALVE

Item	Specification
Type	3 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	Ø110 × Ø65 × 738 mm
Bucket cylinder	Bore dia × Rod dia × Stroke	Ø 95 × Ø50 × 745 mm
Steering cylinder	Bore dia × Rod dia × Stroke	Ø 65 × Ø40 × 429 mm

7) DYNAMIC POWER TRANSMISSION DEVICES

Item		Specification
Torque converter	Model	ZF 4WG160
	Type	Single-stage, single-phase
	Ratio	2.30 : 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 ± 12˚ 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 front axle
Steering	Type	Full hydraulic, articulated
	Steering angle	40˚ to both right and left angle, respectively