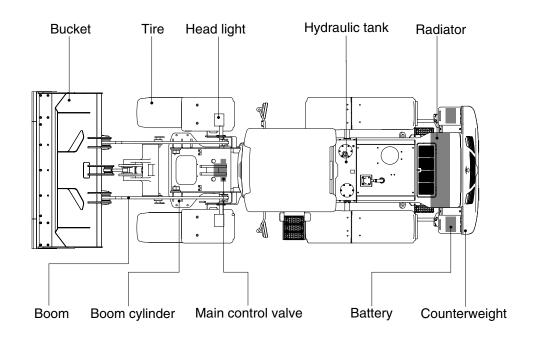
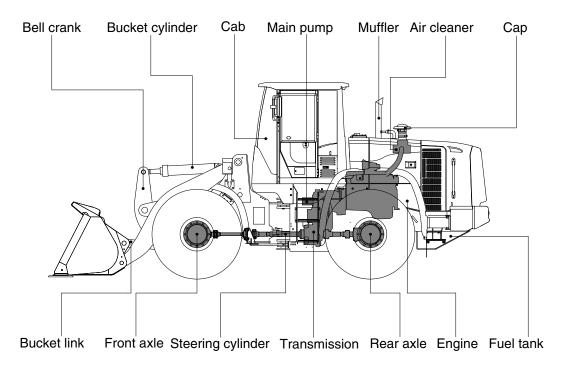
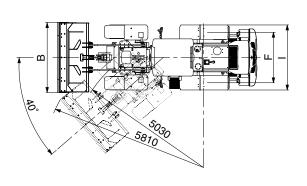
1. MAJOR COMPONENTS

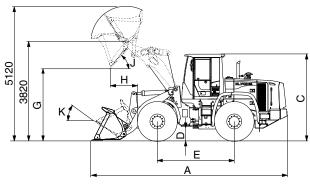




2. SPECIFICATIONS

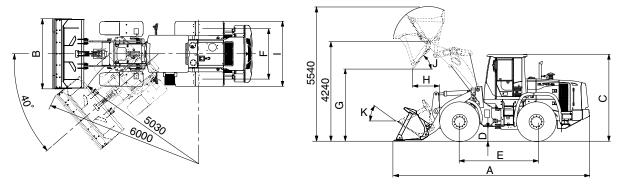
1) WITH BOLT-ON CUTTING EDGE TYPE BUCKET (HL740-9A)





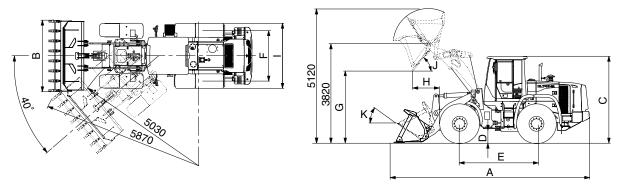
Description		Unit	Specification	
Operating weight			kg (lb)	12700 (28000)
5		Struck		2.0 (2.6)
Bucket capacit	У	Heaped	m³ (yd³)	2.3 (3.0)
Overall length		А		7345 (24' 1")
Overall width		В		2600 (8' 6")
Overall height		С		3260 (10' 8")
Ground cleara	nce	D		417 (1' 4")
Wheelbase		Е	mm (ft-in)	2900 (9' 6")
Tread		F		1900 (6' 3")
Dump clearand	ce at 45°	G		2785 (9' 2")
Dump reach (f	ull lift)	Н		1025 (3' 4")
Width over tire	S	I		2430 (8' 0")
Dump angle		J	dograe (°)	48
Roll back angle (carry position)		K	degree (°)	47
		Lift (with load)		5.5
Cycle time		Dump (with load)	sec	1.1
				3.0
Maximum travel speed			km/hr (mph)	39.5 (24.5)
Braking distan	ce		m (ft-in)	12 (39' 4")
Minimum turni	ng radius (cente	r of outside tire)	111 (11-111)	5.03 (16' 6")
Gradeability			degree (°)	30
Brakeout force			kg (lb)	11250 (24800)
Travel speed		First gear		6.9 (4.3)
	Forward	Second gear		12.5 (7.8)
	roiwaiu	Third gear		24.1 (15.0)
		Fourth gear	km/hr (mph)	39.5 (24.5)
		First gear		7.2 (4.5)
	Reverse	Second gear		13.1 (8.1)
		Third gear		25.3 (15.7)

WITH BOLT-ON CUTTING EDGE TYPE BUCKET (HL740XTD-9A)



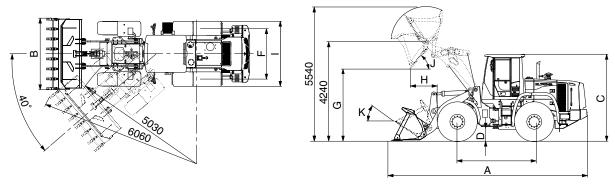
Description		Unit	Specification	
Operating weight			kg (lb)	13000 (28660)
Diselect compains		Struck		2.0 (2.6)
Bucket capacit	у	Heaped	m³ (yd³)	2.3 (3.0)
Overall length		A		7785 (25' 6")
Overall width		В		2600 (8' 6")
Overall height		С		3260 (10' 8")
Ground cleara	nce	D		417 (1' 4")
Wheelbase		Е	mm (ft-in)	2900 (9' 6")
Tread		F		1900 (6' 3")
Dump clearand	ce at 45°	G		3210 (10' 6")
Dump reach (fo	ull lift)	Н		1020 (3' 4")
Width over tire	S	I		2430 (8' 0")
Dump angle		J	degree (°)	47
Roll back angle	(carry position)	K		49
		Lift (with load)		5.5
Cycle time		Dump (with load)	sec	1.1
				3.0
Maximum travel speed			km/hr (mph)	39.5 (24.5)
Braking distand	ce		m /ft in)	12 (39' 4")
Minimum turnii	ng radius (cente	r of outside tire)	m (ft-in)	5.03 (16' 6")
Gradeability			degree (°)	30
Brakeout force		kg (lb)	11090 (24450)	
		First gear		6.9 (4.3)
Travel speed	Forward	Second gear		12.5 (7.8)
	FUIWAIU	Third gear		24.1 (15.0)
		Fourth gear	km/hr (mph)	39.5 (24.5)
		First gear		7.2 (4.5)
	Reverse	Second gear		13.1 (8.1)
		Third gear		25.3 (15.7)

2) WITH TOOTH TYPE BUCKET (HL740-9A)



Description		Unit	Specification	
Operating weight		kg (lb)	12700 (28000)	
D. al. al. a. a. a. a. a.		Struck	- (1-)	1.9 (2.5)
Bucket capacit	У	Heaped	m³ (yd³)	2.2 (2.9)
Overall length		А		7465 (24' 6")
Overall width		В		2650 (8' 8")
Overall height		С		3260 (10' 8")
Ground clearar	nce	D		417 (1' 4")
Wheelbase		E	mm (ft-in)	2900 (9' 6")
Tread		F		1900 (6' 3")
Dump clearand	ce at 45°	G		2695 (8' 10")
Dump reach (fo	ull lift)	Н		1100 (3' 7")
Width over tire	S	I		2430 (8' 0")
Dump angle		J	dograe (°)	48
Roll back angle	(carry position)	К	degree (°)	47
		Lift (with load)		5.5
Cycle time		Dump (with load)	sec	1.1
				3.0
Maximum trave	Maximum travel speed		km/hr (mph)	39.5 (24.5)
Braking distant	ce		m (ft-in)	12 (39' 4")
Minimum turnir	ng radius (cente	r of outside tire)		5.03 (16' 6")
Gradeability			degree (°)	30
Brakeout force			kg (lb)	11250 (24800)
		First gear		6.9 (4.3)
Travel speed	Forward	Second gear		12.5 (7.8)
	roiwaiu	Third gear		24.1 (15.0)
		Fourth gear	km/hr (mph)	39.5 (24.5)
		First gear		7.2 (4.5)
	Reverse	Second gear		13.1 (8.1)
		Third gear		25.3 (15.7)

WITH TOOTH TYPE BUCKET (HL740XTD-9A)



Description		Unit	Specification	
Operating weight			kg (lb)	13000 (28660)
B 1 1 2		Struck	. / . 10	1.9 (2.5)
Bucket capacit	У	Heaped	m³ (yd³)	2.2 (2.9)
Overall length		A		7905 (25' 11")
Overall width		В		2650 (8' 8")
Overall height		С		3260 (10' 8")
Ground clearar	nce	D		417 (1' 4")
Wheelbase		E	mm (ft-in)	2900 (9' 6")
Tread		F		1900 (6' 3")
Dump clearance	e at 45°	G		3120 (10' 3")
Dump reach (fo	ull lift)	Н		1100 (3' 7")
Width over tires	S	I		2430 (8' 0")
Dump angle		J	-l (°)	47
Roll back angle	Roll back angle (carry position)		degree (°)	49
				5.5
Cycle time		Dump (with load)	sec	1.1
		Lower (empty)		3.0
Maximum trave	Maximum travel speed		km/hr (mph)	39.5 (24.5)
Braking distand	ce		m (ft-in)	12 (39' 4")
Minimum turnir	ng radius (cente	r of outside tire)	111 (11-111)	5.03 (16' 6")
Gradeability			degree (°)	30
Brakeout force	Brakeout force		kg (lb)	11090 (24450)
Travel speed		First gear		6.9 (4.3)
	Forward	Second gear		12.5 (7.8)
	Forward	Third gear		24.1 (15.0)
		Fourth gear	km/hr (mph)	39.5 (24.5)
		First gear		7.2 (4.5)
	Reverse	Second gear		13.1 (8.1)
		Third gear		25.3 (15.7)

3. WEIGHT

ltem		kg	lb
Front frame assembly		904	1990
Rear frame assembly		1313	2890
Front fender (LH & RH)		45	99
Otih-t	HL740-9A	400	882
Counterweight	HL740XTD-9A	600	1320
Cab assembly		700	1540
Engine assembly		580	1280
Transmission assembly		410	904
Drive shaft (front)		18	40
Drive shaft (center)		16	35
Drive shaft (rear)		13	29
Drive shaft (upper)		7	15
Front axle (include differen	tial)	750	1650
Rear axle (include different	tial)	750	1650
Tire (20.5-25, 16PR, L3)		203	448
Hydraulic tank assembly		212	467
Fuel tank assembly		292	644
Main pump assembly		28	62
Fan & brake pump assemb	bly	12	26
Main control valve (2/3 spo	ool)	34/41	75/90
Poom oppombly	HL740-9A	725	1600
Boom assembly	HL740XTD-9A	815	1800
Bell crank assembly		230	510
Quick coupler assembly	ck coupler assembly		474
Bucket link		37	80
2.3 m³ bucket, with bolt on cutting edge		1075	2370
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
Туре	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 1500rpm	82 kgf · m (591 lbf · ft)
Engine oil quantity	18 ℓ (4.8 U.S. gal)
Dry weight	580 kg (1279 lb)
High idling speed	2230±50rpm
Low idling speed	900±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-70Amp)
Battery	2×12V×92Ah

2) MAIN PUMP

Item	Specification
Туре	Variable piston pump
Capacity	74 cc/rev
Maximum operating pressure	280 kgf/cm² (3980 psi)
Maximum operating speed	2100 rpm
Rated output flow	155 ℓ /min (40.9 U.S.gpm)

3) FAN AND BRAKE PUMP

Item	Specification	
Item	Fan	Brake
Туре	Variable piston pump	
Capacity	28cc/rev	
Maximum operating pressure	250 bar	150 bar
Maximum operating speed	2100rpm	
Rated output flow	56 ℓ /min (14.8 U.S.gpm)	

4) MAIN CONTROL VALVE

Item	Specification
Туре	2 spool (sectional block)
Operating method	Hydraulic pilot assist
Main relief valve set pressure	280 kgf/cm² (3980 psi)
Overload relief valve set pressure	340 kgf/cm² (4840 psi) /*300 kgf/cm² (4270 psi)

^{* :} Bucket dump

5) REMOTE CONTROL VALVE

Item		Specification
Туре		Joystick (or with aux lever)
Control proposure	Minimum	3.7 kgf/cm² (52.6 psi)
Control pressure	Maximum	30 kgf/cm² (427 psi)

6) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	Ø110ר65×738 mm
Bucket cylinder	Bore dia × Rod dia × Stroke	Ø 125ר70×505 mm
Steering cylinder	Bore dia × Rod dia × Stroke	Ø 65ר40×429 mm

7) DYNAMIC POWER TRANSMISSION DEVICES

Item		Specification
Torque converter	Model	ZF 4WG160
	Туре	Single-stage, single-phase
	Ratio	2.30 : 1
Transmission	Туре	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	20.5-25, 16PR (L3)
Brakes	Travel	Four-wheel, wet-disc type, full hydraulic
	Parking	Spring applied, hydraulic released brake on transmission
Steering	Туре	Full hydraulic, articulated
	Steering angle	40° to both right and left angle, respectively