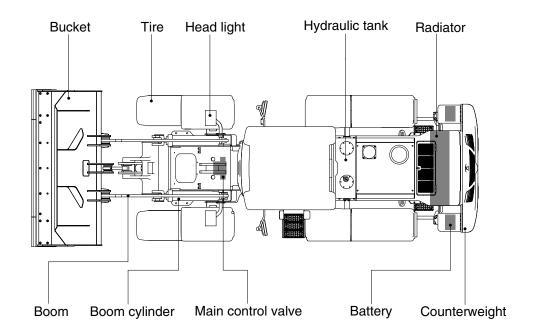
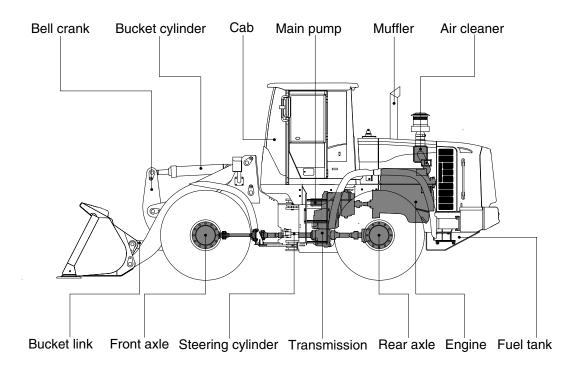
2. SPECIFICATIONS

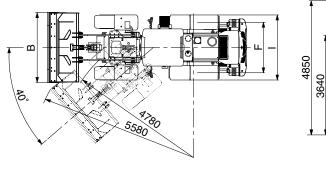
1. MAJOR COMPONENTS

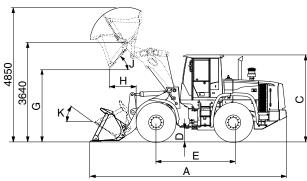




2. SPECIFICATIONS

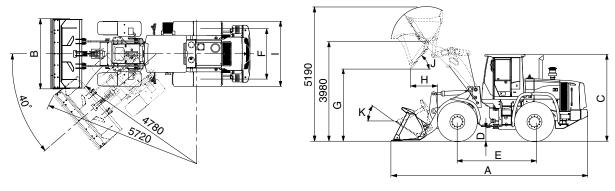
1) WITH BOLT-ON CUTTING EDGE TYPE BUCKET (HL730-9A)





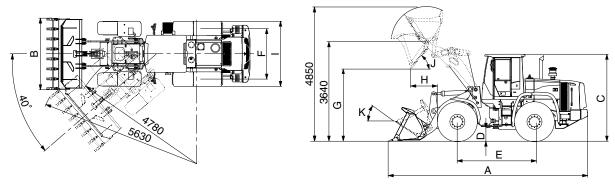
Description		Unit	Specification	
Operating weight		kg (lb)	10500 (23150)	
Duelset composite		Struck		1.6 (2.1)
Bucket capacit	.y	Heaped	m³ (yd³)	1.9 (2.5)
Overall length		А		7000 (23' 0")
Overall width		В		2450 (8' 0")
Overall height		С		3170 (10' 5")
Ground cleara	nce	D		370 (1' 3")
Wheelbase		Е	mm (ft-in)	2800 (9' 2")
Tread		F		1850 (6' 0")
Dump clearand	ce at 45°	G		2700 (8' 10")
Dump reach (f	ull lift)	Н		1040 (3' 5")
Width over tire	S	I		2295 (7' 6")
Dump angle		J	do evro o (°)	48
Roll back angle	(carry position)	K	degree (°)	47
	Cycle time		sec	5.4
Cycle time				1.0
		Lower (empty)		2.8
Maximum trave	el speed		km/hr (mph)	39.2 (24.4)
Braking distan	ce		m (ft in)	12 (39' 4")
Minimum turni	ng radius (cente	r of outside tire)	m (ft-in)	4.78 (15' 8")
Gradeability			degree (°)	30
Breakout force		kg (lb)	9150 (20170)	
Travel speed		First gear		6.8 (4.2)
	Гажиана	Second gear		12.4 (7.7)
	Forward	Third gear		24.1 (15.0)
		Fourth gear	km/hr (mph)	39.2 (24.4)
		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 (HL730XTD-9A)



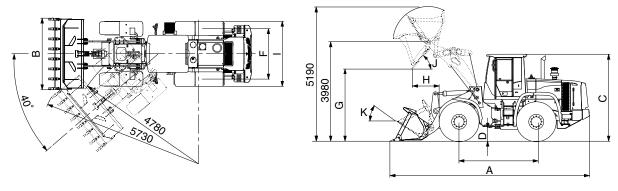
Description		Unit	Specification	
Operating weight			kg (lb)	10700 (23590)
Developt composite		Struck	(40)	1.6 (2.1)
Bucket capacit	у	Heaped	m³ (yd³)	1.9 (2.5)
Overall length		A		7290 (23' 11")
Overall width		В		2450 (8' 0")
Overall height		С		3170 (10' 5")
Ground clearar	nce	D		370 (1' 3")
Wheelbase		Е	mm (ft-in)	2800 (9' 2")
Tread		F		1850 (6' 0")
Dump clearand	ce at 45°	G		3035 (9' 11")
Dump reach (fo	ull lift)	Н		1010 (3' 4")
Width over tire	S	I		2295 (7' 6")
Dump angle		J	degree (°)	48
Roll back angle	(carry position)	K		49
				5.4
Cycle time		Dump (with load)	sec	1.0
				2.8
Maximum trave	Maximum travel speed		km/hr (mph)	39.2 (24.4)
Braking distand	ce		m /ft in	12 (39' 4")
Minimum turnii	ng radius (cente	r of outside tire)	m (ft-in)	4.78 (15' 8")
Gradeability			degree (°)	30
Breakout force		kg (lb)	9070 (20000)	
Travel speed		First gear		6.8 (4.2)
	Forward	Second gear		12.4 (7.7)
	Forward	Third gear	km/hr (mph)	24.1 (15.0)
		Fourth gear		39.2 (24.4)
		First gear		7.2 (4.5)
	Reverse	Second gear		13.1 (8.1)
		Third gear		25.3 (15.7)

2) WITH TOOTH TYPE BUCKET (HL730-9A)



Description		Unit	Specification	
Operating weight			kg (lb)	10500 (23150)
D. d. d. d. d. d. d.		Struck	- (1-)	1.5 (2.0)
Bucket capacit	У	Heaped	m³ (yd³)	1.8 (2.4)
Overall length		А		7110 (23' 4")
Overall width		В		2480 (8' 2")
Overall height		С		3170 (10' 5")
Ground clearar	nce	D		370 (1' 3")
Wheelbase		Е	mm (ft-in)	2800 (9' 2")
Tread		F		1850 (6' 0")
Dump clearance	ce at 45°	G		2610 (8' 7")
Dump reach (fo	ull lift)	Н		1100 (3' 8")
Width over tires	S	I		2295 (7' 6")
Dump angle		J	degree (°)	48
Roll back angle	(carry position)	К	degree (°)	47
				5.4
Cycle time		Dump (with load)	sec	1.0
				2.8
Maximum trave	Maximum travel speed		km/hr (mph)	39.2 (24.4)
Braking distant	ce		m (ft-in)	12 (39' 4")
Minimum turnir	ng radius (cente	r of outside tire)	111 (11-111)	4.78 (15' 8")
Gradeability			degree (°)	30
Breakout force	Breakout force		kg (lb)	9150 (20170)
Travel speed		First gear		6.8 (4.2)
	Forward	Second gear		12.4 (7.7)
	Forward	Third gear		24.1 (15.0)
		Fourth gear	km/hr (mph)	39.2 (24.4)
		First gear		7.2 (4.5)
	Reverse	Second gear		13.1 (8.1)
		Third gear		25.3 (15.7)

WITH TOOTH TYPE BUCKET (HL730XTD-9A)



Description		Unit	Specification	
Operating weight			kg (lb)	10700 (23590)
5		Struck	- (1-)	1.5 (2.0)
Bucket capacity	У	Heaped	m³ (yd³)	1.8 (2.4)
Overall length		A		7400 (24' 3")
Overall width		В		2480 (8' 2")
Overall height		С		3170 (10' 5")
Ground clearar	nce	D		370 (1' 3")
Wheelbase		Е	mm (ft-in)	2800 (9' 2")
Tread		F		1850 (6' 0")
Dump clearance	e at 45°	G		2950 (9' 8")
Dump reach (fu	ıll lift)	Н		1080 (3' 7")
Width over tires	3	I		2295 (7' 6")
Dump angle		J	do evro o (°)	47
Roll back angle	Roll back angle (carry position)		degree (°)	49
		Lift (with load)		5.4
Cycle time		Dump (with load)	sec	1.0
				2.8
Maximum trave	Maximum travel speed		km/hr (mph)	39.2 (24.4)
Braking distand	е		(ft :)	12 (39' 4")
Minimum turnir	ng radius (cente	r of outside tire)	m (ft-in)	4.78 (15' 8")
Gradeability			degree (°)	30
Breakout force		kg (lb)	9070 (20000)	
		First gear		6.8 (4.2)
Travel speed	Famusand	Second gear		12.4 (7.7)
	Forward	Third gear		24.1 (15.0)
		Fourth gear	km/hr (mph)	39.2 (24.4)
		First gear		7.2 (4.5)
	Reverse	Second gear		13.1 (8.1)
		Third gear		25.3 (15.7)

3. WEIGHT

Item		kg	lb
Front frame assembly		805	1770
Rear frame assembly		1095	2410
Front fender (LH & RH)		31	68
Oti-ht	HL730-9A	300	660
Counterweight	HL730XTD-9A	410	900
Cab assembly		700	1540
Engine assembly		390	860
Transmission assembly		425	940
Drive shaft (front)		17	37
Drive shaft (center)		17	37
Drive shaft (rear)		9	20
Drive shaft (upper)		7	15
Front axle (include differen	tial)	520	1150
Rear axle (include different	tial)	530	1170
Tire (17.5-25, 12PR, L3)		130	290
Hydraulic tank assembly		192	420
Fuel tank assembly		264	580
Main pump assembly		26	57
Fan & brake pump assemb	oly	7	15
Main control valve (2/3 spe	ool)	34/41	75/90
Doom occombly	HL730-9A	558	1230
Boom assembly	HL730XTD-9A	626	1380
Bell crank assembly		135	298
Bucket link		29	64
1.9 m³ bucket, with bolt on cutting edge		810	1790
1.8 m³ bucket, with tooth		730	1610
Boom cylinder assembly		70	150
Bucket cylinder assembly		78	170
Steering cylinder assembly		15	30
Seat		40	88
Battery		28	62

4. SPECIFICATION FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Model	Cummins QSB4.5
Туре	4-cycle turbocharged and charge air-cooled diesel engine
Cooling method	Water cooling
Number of cylinders and arrangement	4 cylinders, in-line
Firing order	1-3-2-4
Combustion chamber type	Direct injection type
Cylinder bore × stroke	107×124 mm (4.2"×4.9")
Piston displacement	4500 cc (275 cu in)
Compression ratio	17.2:1
Rated gross horse power	130 hp at 2200 rpm
Maximum gross torque at 1500rpm	63 kgf · m (457 lbf · ft)
Engine oil quantity	11 l (2.9 U.S. gal)
Dry weight	390 kg (860 lb)
High idling speed	2230±50rpm
Low idling speed	900±25 rpm
Rated fuel consumption (at rated)	221 g/kw · hr
Starting motor	Nippondenso PA90S (24 V-4.8 kW)
Alternator	Delco Remy 24SI (24V-70Amp)
Battery	2×12V×100Ah

2) MAIN PUMP

Item	Specification
Туре	Variable displacement piston pump
Capacity	36+32.3 cc/rev
Maximum operating pressure	250 kgf/cm² (3560 psi)
Rated operating speed	2200 rpm
Rated output flow	126 / /min (33.3 U.S.gpm)

3) FAN AND BRAKE PUMP

Item	Specification	
item	Fan	Brake
Туре	Fixed displacement tandem gear pump	
Capacity	11.9 cc/rev	9.17 cc/rev
Maximum operating pressure	120 kgf/cm² (1710 psi)	150 kgf/cm² (2130 psi)
Rated operating speed	2200 rpm	
Rated output flow	25 l /min (6.6 U.S.gpm)	19 l /min (5.0 U.S.gpm)

4) MAIN CONTROL VALVE

Item	Specification
Туре	2 spool
Operating method	Hydraulic pilot assist
Main relief valve set pressure	250 kgf/cm² (3560 psi)
Overload relief valve set pressure	300 kgf/cm² (4270 psi)

5) REMOTE CONTROL VALVE

Item		Specification
Туре		Joystick (or with aux lever)
Control procesure	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	ø 100 × ø 65 × 750 mm
Bucket cylinder	Bore dia × Rod dia × Stroke	ø 110 × ø 65 × 510 mm
Steering cylinder	Bore dia × Rod dia × Stroke	ø 60 × ø 35 × 412 mm

7) DYNAMIC POWER TRANSMISSION DEVICES

Item		Specification
Torque converter	Model	ZF 4WG130
	Туре	Single-stage, single-phase
	Ratio	2.381 : 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 ± 10° of center pin-loaded
Wheels	Tires	17.5-25, 12PR (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