

# SECTION 1 GENERAL



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## SECTION 1 GENERAL

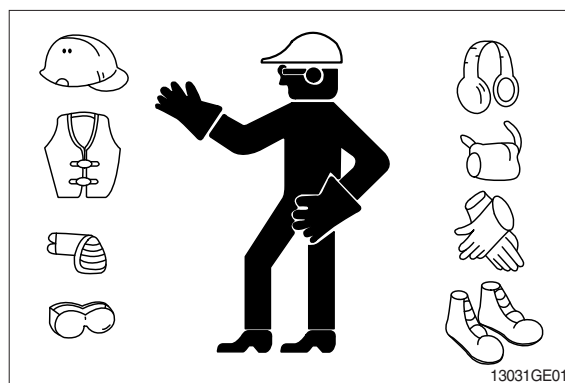
### GROUP 1 SAFETY

#### FOLLOW SAFE PROCEDURE

Unsafe work practices are dangerous. Understand service procedure before doing work; do not attempt shortcuts.

#### WEAR PROTECTIVE CLOTHING

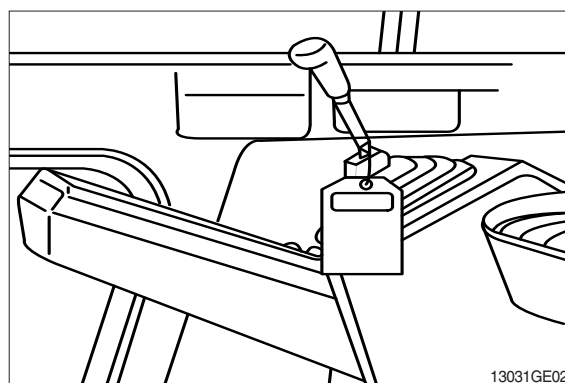
Wear close fitting clothing and safety equipment appropriate to the job.



#### WARN OTHERS OF SERVICE WORK

Unexpected machine movement can cause serious injury.

Before performing any work on the excavator, attach a 「Do Not Operate」 tag on the right side control lever.



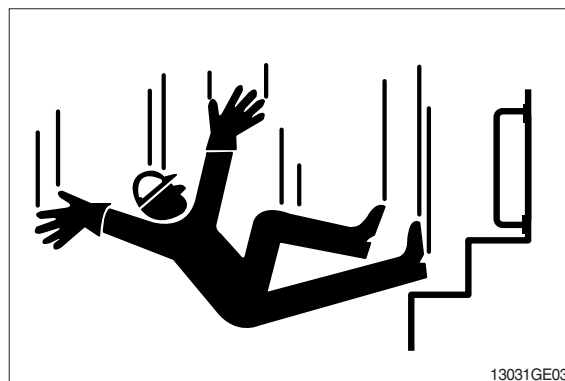
#### USE HANDHOLDS AND STEPS

Falling is one of the major causes of personal injury.

When you get on and off the machine, always maintain a three point contact with the steps and handrails and face the machine. Do not use any controls as handholds.

Never jump on or off the machine. Never mount or dismount a moving machine.

Be careful of slippery conditions on platforms, steps, and handrails when leaving the machine.

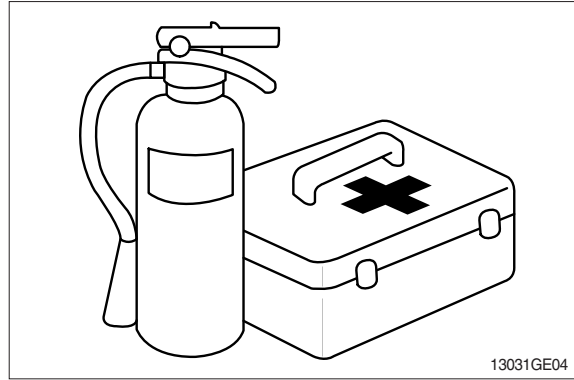


## PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

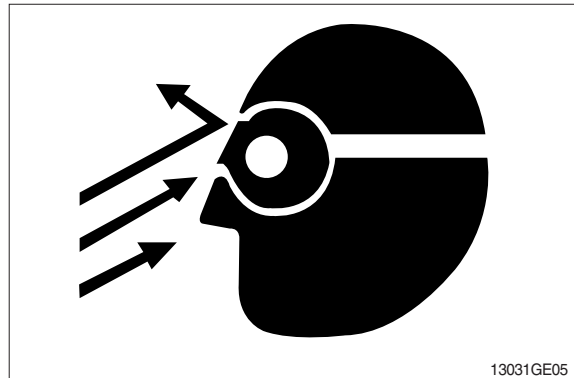
Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



## PROTECT AGAINST FLYING DEBRIS

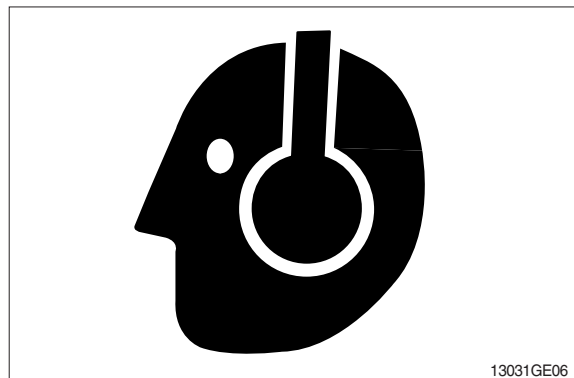
Guard against injury from flying pieces of metal or debris; wear goggles or safety glasses.



## PROTECT AGAINST NOISE

Prolonged exposure to loud noise can cause impairment or loss of hearing.

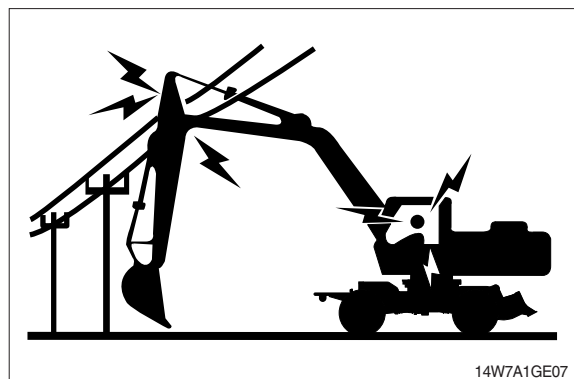
Wear a suitable hearing protective device such as ear-muffs or earplugs to protect against objectionable or uncomfortable loud noises.



## AVOID POWER LINES

Serious injury or death can result from contact with electric lines.

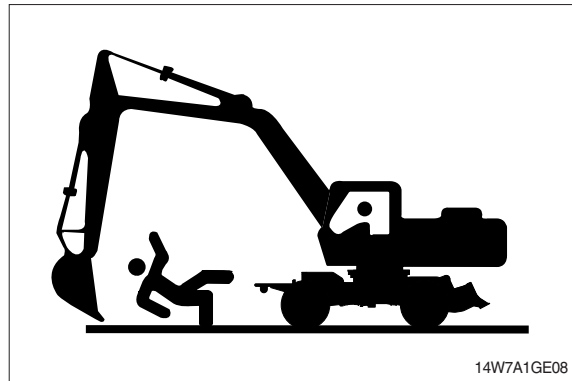
Never move any part of the machine or load closer to electric line than 3m(10ft) plus twice the line insulator length.



## KEEP RIDERS OFF EXCAVATOR

Only allow the operator on the excavator. Keep riders off.

Riders on excavator are subject to injury such as being struck by foreign objects and being thrown off the excavator. Riders also obstruct the operator's view resulting in the excavator being operated in an unsafe manner.

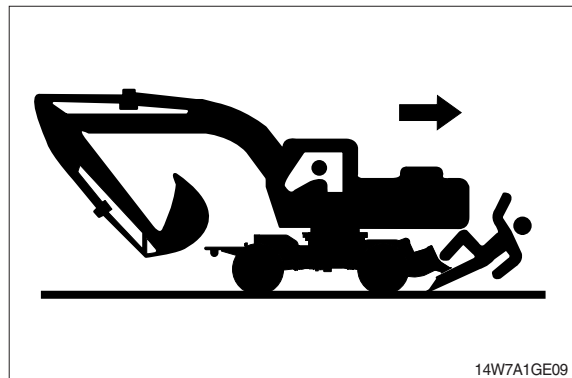


## MOVE AND OPERATE MACHINE SAFELY

Bystanders can be run over. Know the location of bystanders before moving, swinging, or operating the machine.

Always keep the travel alarm in working condition. It warns people when the excavator starts to move.

Use a signal person when moving, swinging, or operating the machine in congested areas. Coordinate hand signals before starting the excavator.



## OPERATE ONLY FROM OPERATOR'S SEAT

Avoid possible injury machine damage. Do not start engine by shorting across starter terminals.

NEVER start engine while standing on ground. Start engine only from operator's seat.



## PARK MACHINE SAFELY

Before working on the machine:

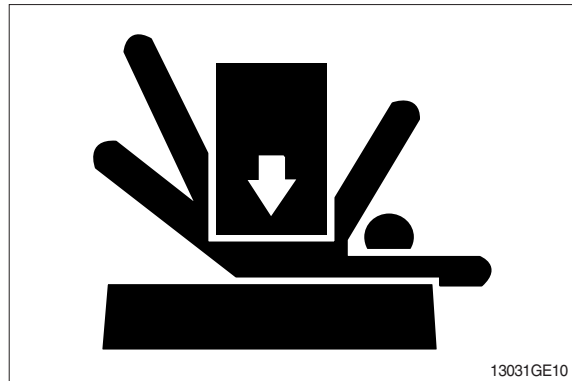
- Park machine on a level surface.
- Lower bucket to the ground.
- Turn auto idle switch off.
- Run engine at 1/2 speed without load for 2 minutes.
- Turn key switch to OFF to stop engine.  
Remove key from switch.
- Move pilot control shutoff lever to locked position.
- Allow engine to cool.

## SUPPORT MACHINE PROPERLY

Always lower the attachment or implement to the ground before you work on the machine. If you must work on a lifted machine or attachment, securely support the machine or attachment.

Do not support the machine on cinder blocks, hollow tiles, or props that may crumble under continuous load.

Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.



## SERVICE COOLING SYSTEM SAFELY

Explosive release of fluids from pressurized cooling system can cause serious burns.

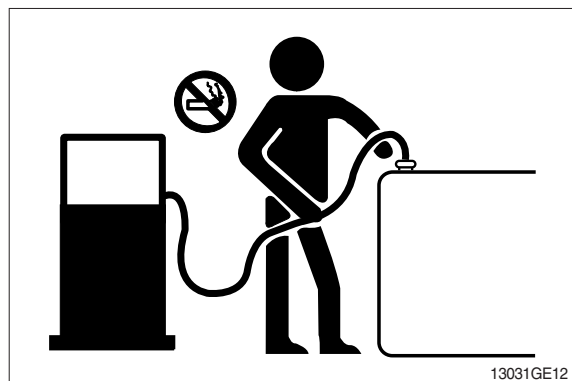
Shut off engine. Only remove filler cap when cool enough to touch with bare hands.



## HANDLE FLUIDS SAFELY-AVOID FIRES

Handle fuel with care; it is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks. Always stop engine before refueling machine.

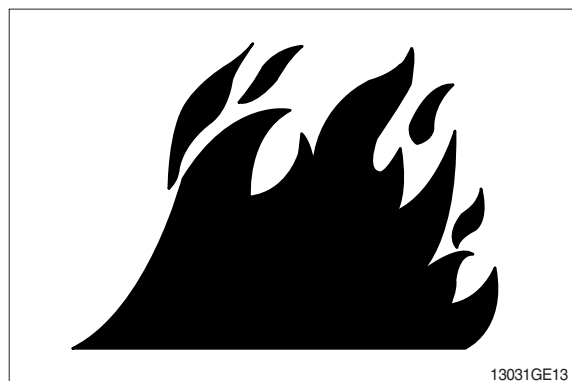
Fill fuel tank outdoors.



Store flammable fluids away from fire hazards. Do not incinerate or puncture pressurized containers.

Make sure machine is clean of trash, grease, and debris.

Do not store oily rags ; they can ignite and burn spontaneously.



## BEWARE OF EXHAUST FUMES

Prevent asphyxiation. Engine exhaust fumes can cause sickness or death.

If you must operate in a building, be positive there is adequate ventilation. Either use an exhaust pipe extension to remove the exhaust fumes or open doors and windows to bring enough outside air into the area.

## REMOVE PAINT BEFORE WELDING OR HEATING

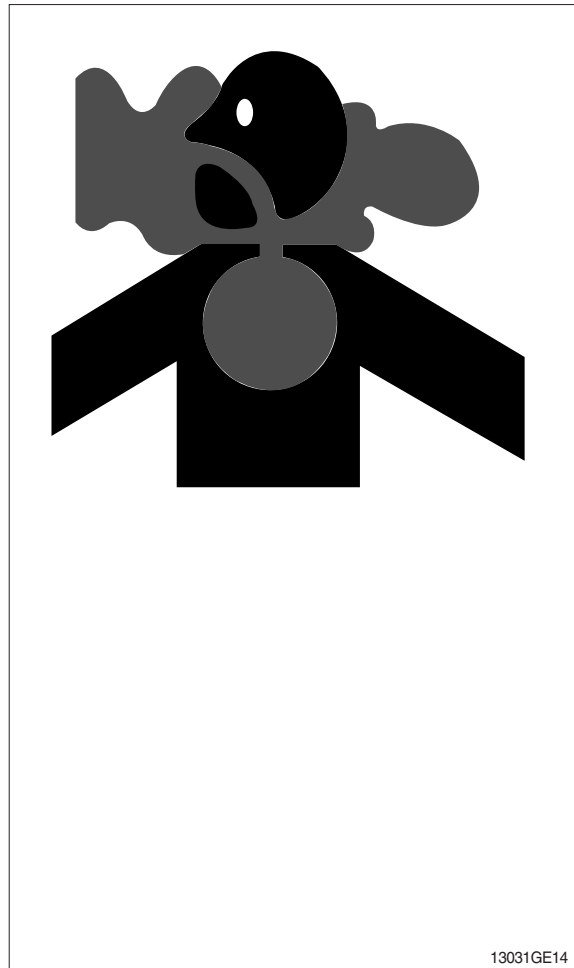
Avoid potentially toxic fumes and dust.

Hazardous fumes can be generated when paint is heated by welding, soldering, or using a torch.

Do all work outside or in a well ventilated area. Dispose of paint and solvent properly.

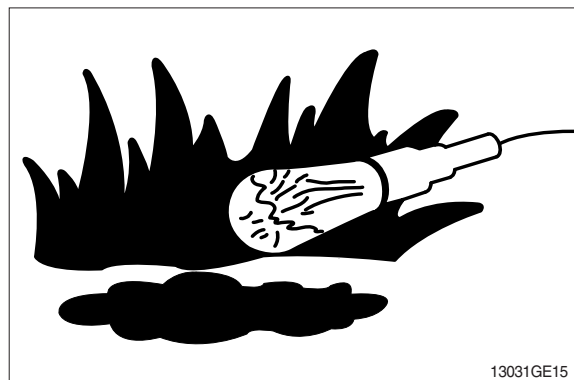
Remove paint before welding or heating:

- If you sand or grind paint, avoid breathing the dust.  
Wear an approved respirator.
- If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.



## ILLUMINATE WORK AREA SAFELY

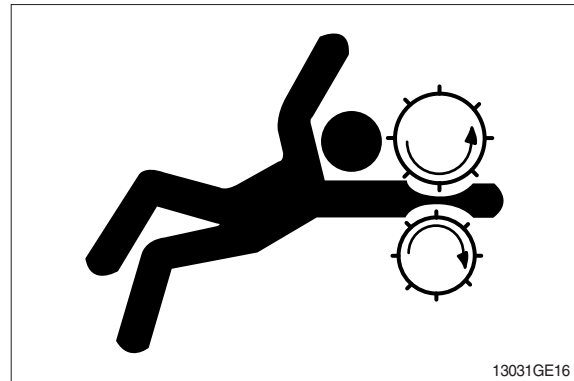
Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.



## SERVICE MACHINE SAFELY

Tie long hair behind your head. Do not wear a necktie, scarf, loose clothing or necklace when you work near machine tools or moving parts. If these items were to get caught, severe injury could result.

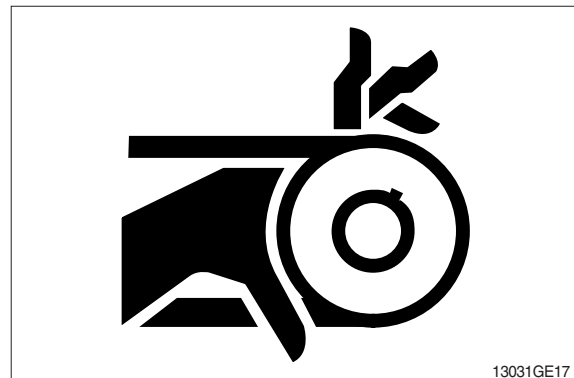
Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



## STAY CLEAR OF MOVING PARTS

Entanglements in moving parts can cause serious injury.

To prevent accidents, use care when working around rotating parts.



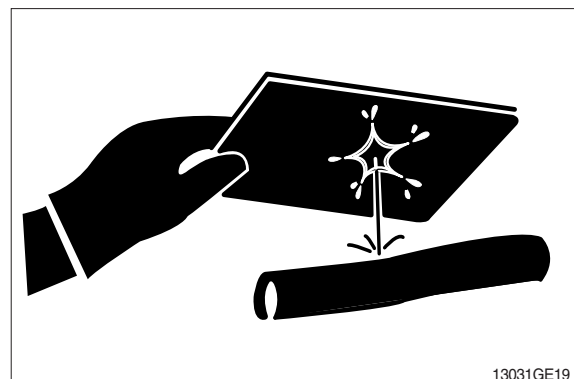
## AVOID HIGH PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury.

Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.

Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result.



## AVOID HEATING NEAR PRESSURIZED FLUID LINES

Flammable spray can be generated by heating near pressurized fluid lines, resulting in severe burns to yourself and bystanders. Do not heat by welding, soldering, or using a torch near pressurized fluid lines or other flammable materials.

Pressurized lines can be accidentally cut when heat goes beyond the immediate flame area. Install fire resisting guards to protect hoses or other materials.



## PREVENT BATTERY EXPLOSIONS

Keep sparks, lighted matches, and flame away from the top of battery. Battery gas can explode.

Never check battery charge by placing a metal object across the posts. Use a volt-meter or hydrometer.

Do not charge a frozen battery; it may explode. Warm battery to 16°C (60°F).



## PREVENT ACID BURNS

Sulfuric acid in battery electrolyte is poisonous. It is strong enough to burn skin, eat holes in clothing, and cause blindness if splashed into eyes.

Avoid the hazard by:

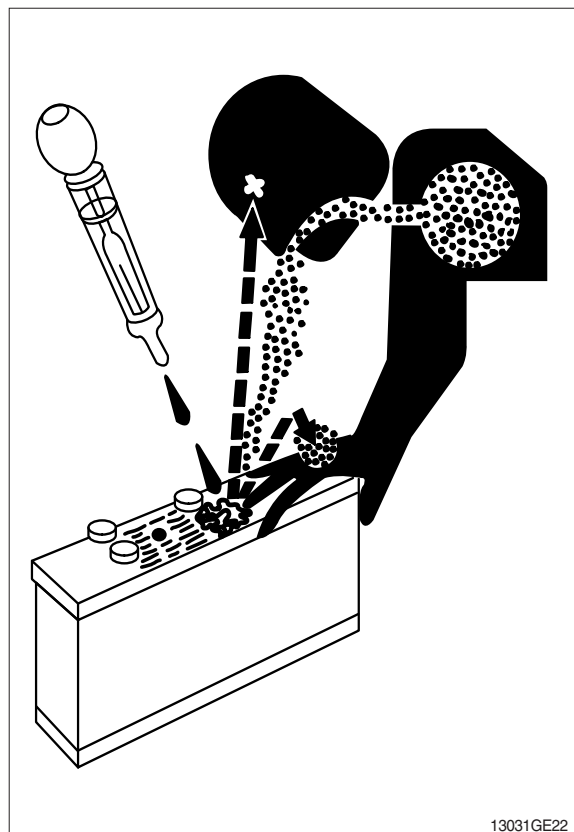
1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.
5. Use proper jump start procedure.

If you spill acid on yourself:

1. Flush your skin with water.
2. Apply baking soda or lime to help neutralize the acid.
3. Flush your eyes with water for 10-15 minutes. Get medical attention immediately.

If acid is swallowed:

1. Drink large amounts of water or milk.
2. Then drink milk of magnesia, beaten eggs, or vegetable oil.
3. Get medical attention immediately.





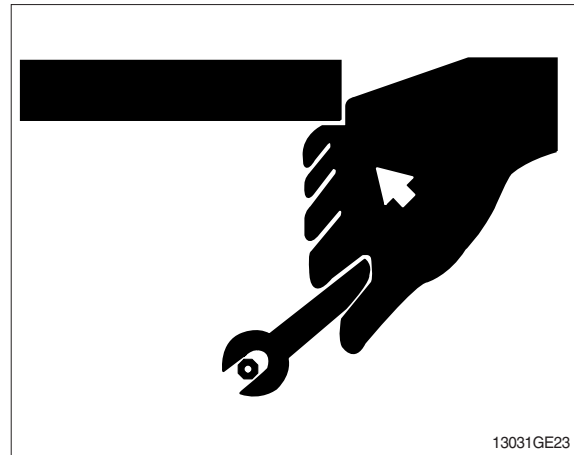
## USE TOOLS PROPERLY

Use tools appropriate to the work. Makeshift tools, parts, and procedures can create safety hazards.

Use power tools only to loosen threaded tools and fasteners.

For loosening and tightening hardware, use the correct size tools. DO NOT use U.S. measurement tools on metric fasteners. Avoid bodily injury caused by slipping wrenches.

Use only recommended replacement parts. (See Parts manual.)



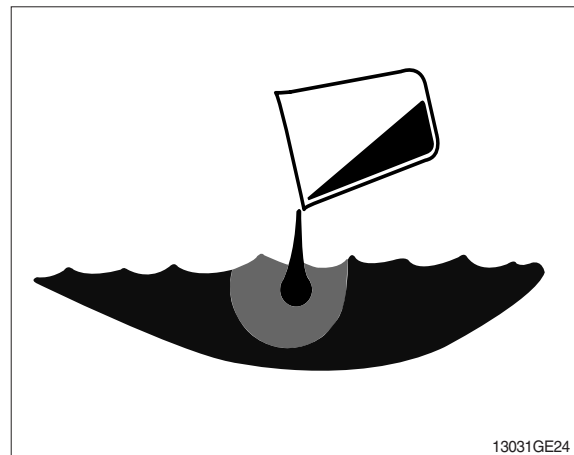
13031GE23

## DISPOSE OF FLUIDS PROPERLY

Improperly disposing of fluids can harm the environment and ecology. Before draining any fluids, find out the proper way to dispose of waste from your local environmental agency.

Use proper containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

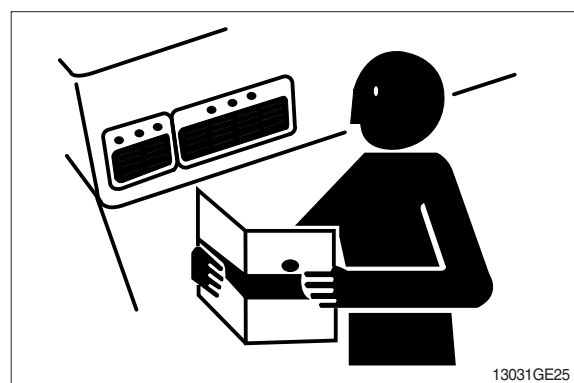
DO NOT pour oil into the ground, down a drain, or into a stream, pond, or lake. Observe relevant environmental protection regulations when disposing of oil, fuel, coolant, brake fluid, filters, batteries, and other harmful waste.



13031GE24

## REPLACE SAFETY SIGNS

Replace missing or damaged safety signs. See the machine operator's manual for correct safety sign placement.



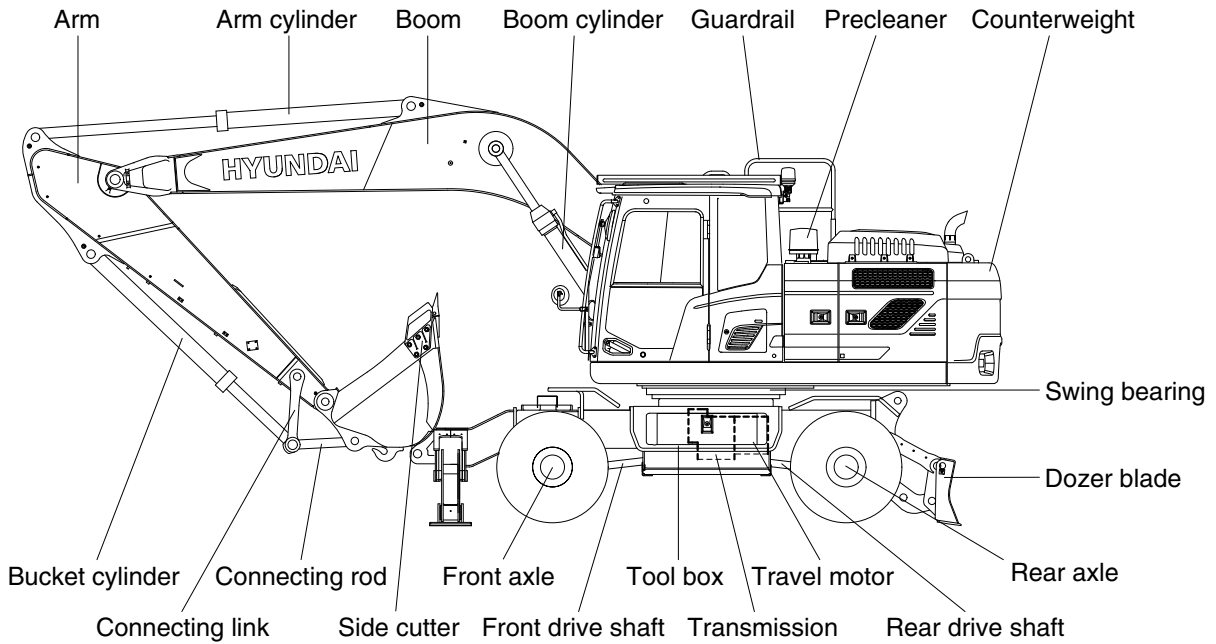
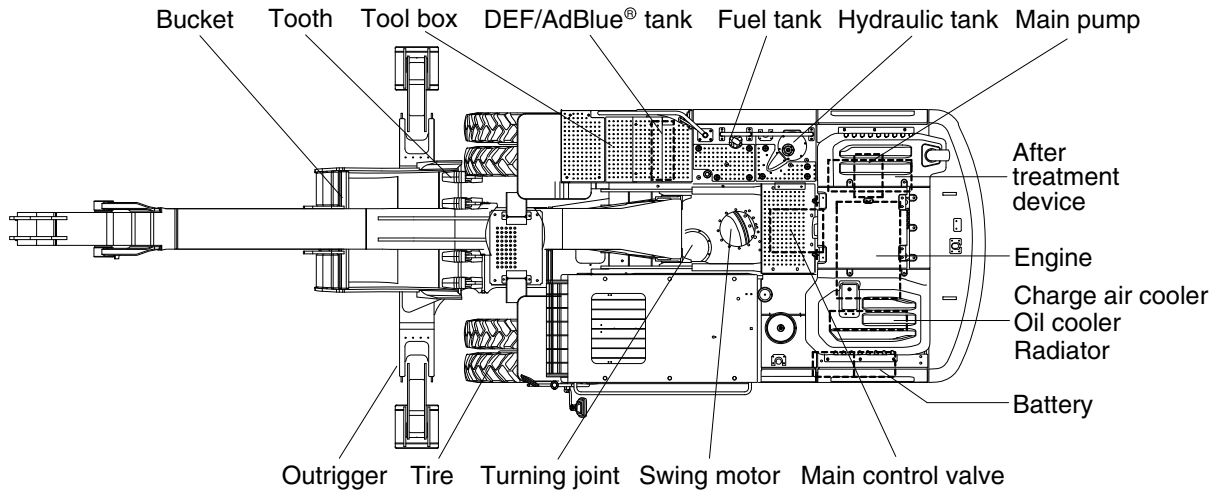
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## LIVE WITH SAFETY

Before returning machine to customer, make sure machine is functioning properly, especially the safety systems. Install all guards and shields.

# GROUP 2 SPECIFICATIONS

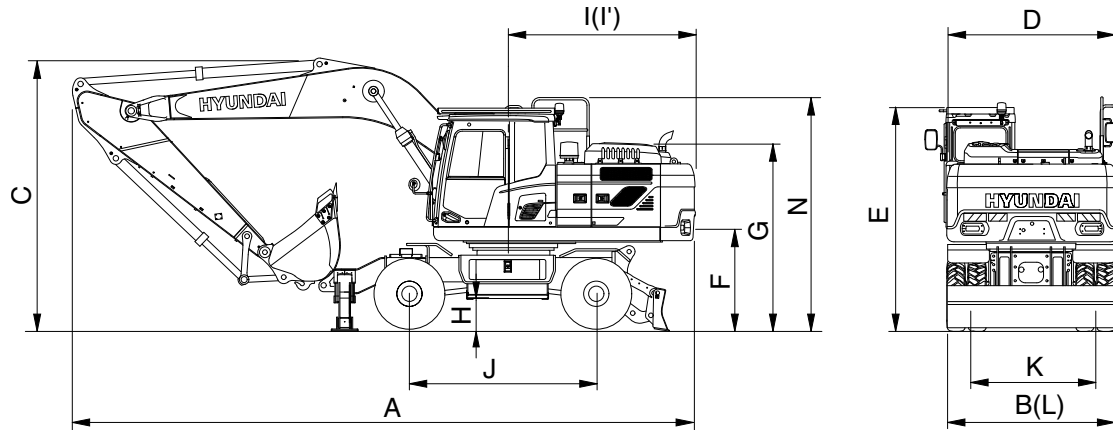
## 1. MAJOR COMPONENT



210WA2SP01

## 2. SPECIFICATIONS

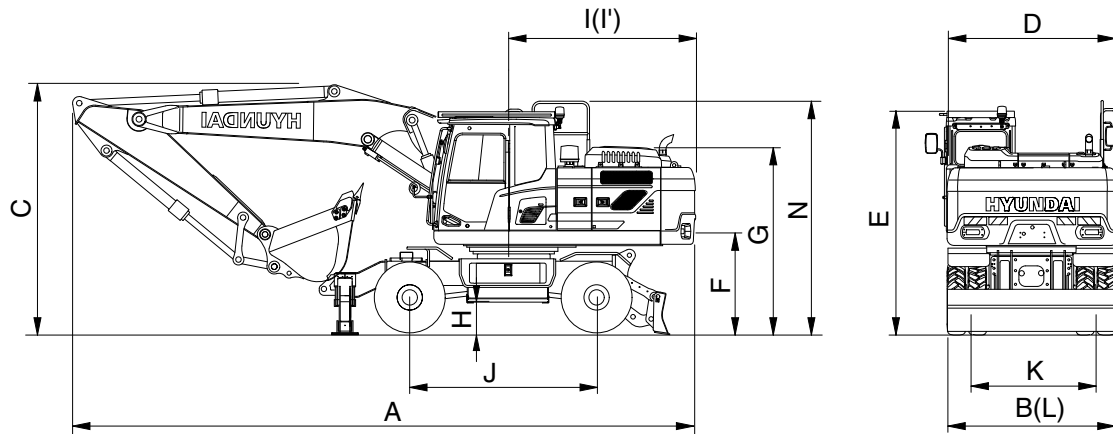
### 1) 5.65 m (18' 6") MONO BOOM



210WA2SP02

Description	Unit		Specification		
	m (ft-in)	Boom Arm	5.65 (18' 6")		
			2.92 (9' 7")	2.40 (7' 10")	2.70 (8' 10")
Operating weight	kg (lb)		21180 (46690)	21090 (46500)	21080 (46470)
Bucket capacity (SAE heaped), standard	m <sup>3</sup> (yd <sup>3</sup> )		0.80 (1.05)	0.80 (1.05)	0.80 (1.05)
Overall length (traveling)	A	mm (ft-in)	9380 (30' 9")	9590 (31' 6")	9540 (31' 4")
Overall length (shipping)			9500 (31' 2")	9680 (31' 9")	9570 (31' 5")
Overall width	B		2530 (8' 4")	2530 (8' 4")	2530 (8' 4")
Overall height of boom (traveling)	C		4020 (13' 2")	3720 (12' 2")	3650 (12' 0")
Overall height of boom (shipping)			3150 (10' 4")	3350 (11' 0")	3240 (10' 8")
Upperstructure width	D		2530 (8' 4")	2530 (8' 4")	2530 (8' 4")
Cab height	E		3260 (10' 8")	3260 (10' 8")	3260 (10' 8")
Ground clearance of counterweight	F		1295 (4' 3")	1295 (4' 3")	1295 (4' 3")
Engine cover height	G		2770 (9' 1")	2770 (9' 1")	2770 (9' 1")
Clearance to mission cover	H		347 (1' 2")	347 (1' 2")	347 (1' 2")
Rear-end distance	I		2733 (9' 0")	2733 (9' 0")	2733 (9' 0")
Rear-end swing radius	I'		2740 (9' 0")	2740 (9' 0")	2740 (9' 0")
Wheel base	J		2800 (9' 2")	2800 (9' 2")	2800 (9' 2")
Tread	Std axle		K	1914 (6' 3")	1914 (6' 3")
	Wide axle	2114 (6' 11")		2114 (6' 11")	2114 (6' 11")
Dozer blade width	L	2490 (8' 2")	2490 (8' 2")	2490 (8' 2")	
Overall height of guardrail	N	3330 (10' 11")	3330 (10' 11")	3330 (10' 11")	
Travel speed	Low	km/hr (mph)	9.5 (5.9)	9.5 (5.9)	9.5 (5.9)
	High		38.4 (23.9)	38.4 (23.9)	38.4 (23.9)
Swing speed	rpm	10.7	10.7	10.7	
Gradeability	Degree (%)	30 (70)	30 (70)	30 (70)	
Max traction force	kg (lb)	12106 (26689)	12106 (26689)	12106 (26689)	

## 2) 5.40 m (17' 9") 2-PIECE BOOM

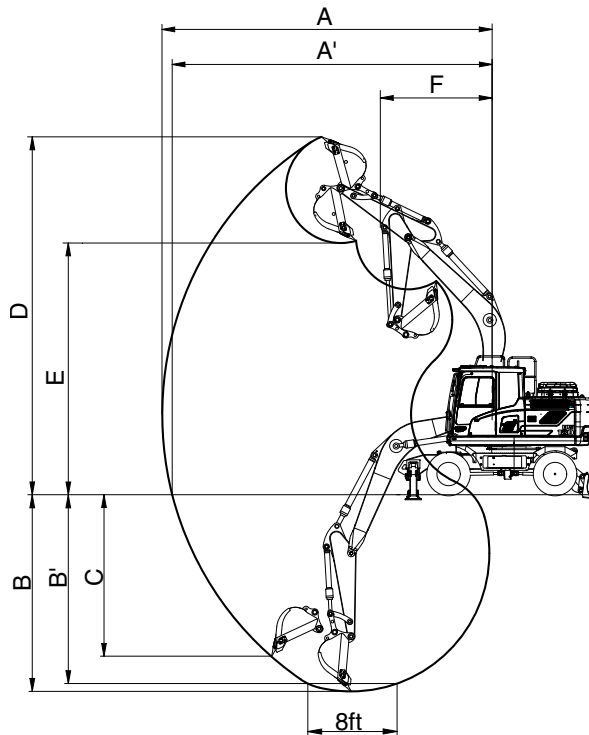


210WA2SP03

Description	Unit		Specification			
	m (ft-in)	Boom	5.40 (17' 9")			
		Arm	2.92 (9' 7")	2.40 (7' 10")	2.70 (8' 10")	
Operating weight	kg (lb)		22510 (49630)	22420 (49430)	22410 (49410)	
Bucket capacity (SAE heaped), standard	m <sup>3</sup> (yd <sup>3</sup> )		0.80 (1.05)	0.80 (1.05)	0.80 (1.05)	
Overall length (traveling)	A	mm (ft-in)	6980 (22' 11")	7090 (23' 3")	7060 (23' 2")	
Overall length (shipping)			9230 (30' 3")	9240 (30' 4")	9250 (30' 4")	
Overall width	B		2530 (8' 4")	2530 (8' 4")	2530 (8' 4")	
Overall height of boom (traveling)	C		3990 (13' 1")	3990 (13' 1")	3990 (13' 1")	
Overall height of boom (shipping)			3180 (10' 5")	3170 (10' 5")	3150 (10' 4")	
Upperstructure width	D		2530 (8' 4")	2530 (8' 4")	2530 (8' 4")	
Cab height	E		3260 (10' 8")	3260 (10' 8")	3260 (10' 8")	
Ground clearance of counterweight	F		1295 (4' 3")	1295 (4' 3")	1295 (4' 3")	
Engine cover height	G		2770 (9' 1")	2770 (9' 1")	2770 (9' 1")	
Clearance to mission cover	H		347 (1' 2")	347 (1' 2")	347 (1' 2")	
Rear-end distance	I		2733 (9' 0")	2733 (9' 0")	2733 (9' 0")	
Rear-end swing radius	I'		2740 (9' 0")	2740 (9' 0")	2740 (9' 0")	
Wheel base	J		2800 (9' 2")	2800 (9' 2")	2800 (9' 2")	
Tread	Std axle		K	1914 (6' 3")	1914 (6' 3")	1914 (6' 3")
	Wide axle			2114 (6' 11")	2114 (6' 11")	2114 (6' 11")
Dozer blade width	L	2490 (8' 2")	2490 (8' 2")	2490 (8' 2")		
Overall height of guardrail	N	3330 (10' 11")	3330 (10' 11")	3330 (10' 11")		
Travel speed	Low	km/hr (mph)	9.5 (5.9)	9.5 (5.9)	9.5 (5.9)	
	High		38.4 (23.9)	38.4 (23.9)	38.4 (23.9)	
Swing speed	rpm		10.7	10.7	10.7	
Gradeability	Degree (%)		30 (70)	30 (70)	30 (70)	
Max traction force	kg (lb)		12106 (26689)	12106 (26689)	12106 (26689)	

### 3. WORKING RANGE AND DIGGING POWER

#### 1) 5.65 m (18' 6") MONO BOOM

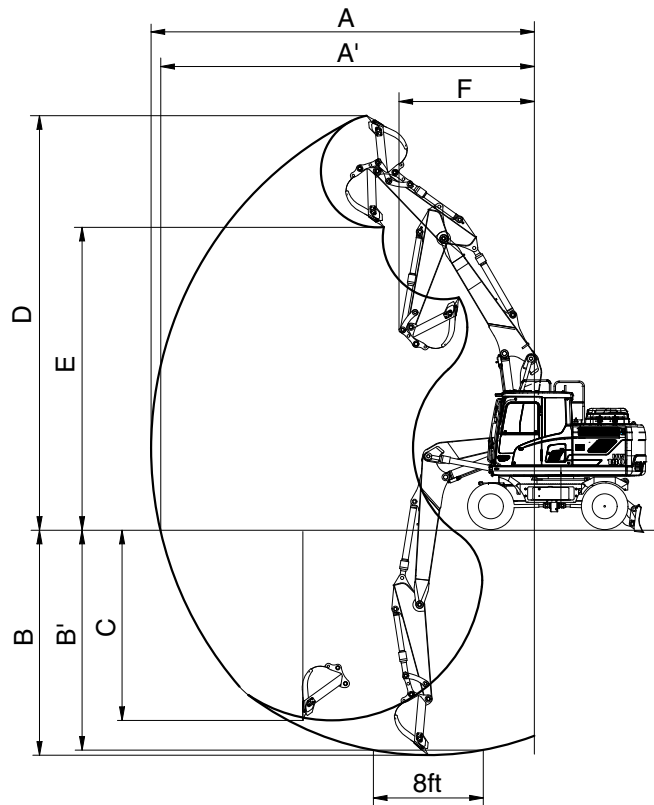


180WF2SP04

Description		2.92 m (9' 7") Arm	2.40 m (7' 10") Arm	2.70 m (8' 10") Arm
Max digging reach	A	9970 (32' 9")	9480 (31' 1")	9760 (32' 0")
Max digging reach on ground	A'	9770 (32' 1")	9270 (30' 5")	9550 (31' 4")
Max digging depth	B	6430 (21' 1")	5860 (19' 3")	6210 (20' 4")
Max digging depth (8 ft level)	B'	6210 (20' 4")	5660 (18' 7")	5980 (19' 7")
Max vertical wall digging depth	C	6110 (20' 1")	5510 (18' 1")	5830 (19' 2")
Max digging height	D	10020 (32' 10")	9710 (31' 10")	9870 (32' 5")
Max dumping height	E	7160 (23' 6")	6860 (22' 6")	7010 (23' 0")
Min swing radius	F	3460 (11' 4")	3520 (11' 7")	3490 (11' 5")
Bucket digging force	SAE	130.4 [141.6]	130.4 [141.6]	130.4 [141.6]
		13300 [14440]	13300 [14440]	13300 [14440]
		29320 [31830]	29320 [31830]	29320 [31830]
	ISO	151.0 [164.0]	151.0 [164.0]	151.0 [164.0]
		15400 [16720]	15400 [16720]	15400 [16720]
		33950 [36860]	33950 [36860]	33950 [36860]
Arm digging force	SAE	102.0 [110.7]	120.6 [130.9]	108.9 [118.2]
		10400 [11290]	12300 [13350]	11100 [12050]
		22930 [24890]	27120 [29430]	24470 [26570]
	ISO	106.9 [116.0]	126.5 [137.4]	113.8 [123.5]
		10900 [11830]	12900 [14010]	11600 [12590]
		24030 [26080]	28440 [30890]	25570 [27760]

[ ] : Power boost

## 2) 5.40 m (17' 9") 2-PIECE BOOM



180WF2SP05

Description		2.92 m (9' 7") Arm	2.40 m (7' 10") Arm	2.70 m (8' 10") Arm
Max digging reach	A	9810 (32' 2")	9310 (30' 7")	9600 (31' 6")
Max digging reach on ground	A'	9610 (31' 6")	9100 (29' 10")	9400 (30' 10")
Max digging depth	B	6090 (20' 0")	5570 (18' 3")	5870 (19' 3")
Max digging depth (8 ft level)	B'	6000 (19' 8")	5470 (17' 11")	5770 (18' 11")
Max vertical wall digging depth	C	4730 (15' 6")	4630 (15' 2")	4580 (15' 0")
Max digging height	D	10690 (35' 1")	10300 (33' 10")	10520 (34' 6")
Max dumping height	E	7750 (25' 5")	7370 (24' 2")	7590 (24' 11")
Min swing radius	F	2860 (9' 5")	3030 (9' 11")	2870 (9' 5")
Bucket digging force	SAE	130.4 [141.6]	130.4 [141.6]	130.4 [141.6]
		13300 [14440]	13300 [14440]	13300 [14440]
		29320 [31830]	29320 [31830]	29320 [31830]
	ISO	151.0 [164.0]	151.0 [164.0]	151.0 [164.0]
		15400 [16720]	15400 [16720]	15400 [16720]
		33950 [36860]	33950 [36860]	33950 [36860]
Arm digging force	SAE	102.0 [110.7]	120.6 [130.9]	108.9 [118.2]
		10400 [11290]	12300 [13350]	11100 [12050]
		22930 [24890]	27120 [29430]	24470 [26570]
	ISO	106.9 [116.0]	126.5 [137.4]	113.8 [123.5]
		10900 [11830]	12900 [14010]	11600 [12590]
		24030 [26080]	28440 [30890]	25570 [27760]

[ ] : Power boost

#### 4. WEIGHT

Item	HW210A	
	kg	lb
Upperstructure assembly	9485	20910
· Main frame weld assembly	1710	3770
· Engine assembly	583	1290
· Aftertreatment assembly	75	170
· Main pump assembly	140	310
· Main control valve assembly	220	490
· Swing motor assembly	254	560
· Hydraulic oil tank WA	190	420
· Fuel tank WA	171	380
· Counterweight	3400	7500
· Cab assembly	495	1090
Lower chassis assembly	7125	15710
· Lower frame weld assembly	2410	5310
· Swing bearing	284	630
· Travel motor assembly (2EA)	77	170
· Turning joint	118	260
· Transmission assembly	135	300
· Front axle assembly	749	1650
· Front axle assembly (wide)	770	1700
· Rear axle assembly	592	1310
· Rear axle assembly (wide)	623	1370
· Dozer blade assembly (front)	730	1610
· Dozer blade assembly (rear)	980	2160
· Outrigger assembly (front)	395	870
· Outrigger assembly (rear)	1095	2410
Front attachment assembly (5.65 m boom, 2.92 m arm, 0.80 m <sup>3</sup> SAE heaped bucket)	4570	10080
· 5.65 m boom assembly	834	1840
· 5.40 m 2pcs boom assembly	468	1030
· 2.40 m arm assembly	240	530
· 2.70 m arm assembly	150	330
· 2.92 m arm assembly	100	220
· 0.92 m <sup>3</sup> SAE heaped bucket assembly	817	1800
· 0.80 m <sup>3</sup> SAE heaped bucket assembly	777	1710
· 1.20 m <sup>3</sup> SAE heaped bucket assembly	920	2030
· 1.34 m <sup>3</sup> SAE heaped bucket assembly	990	2180
· 0.86 m <sup>3</sup> SAE heaped bucket assembly	732	1610
· 0.85 m <sup>3</sup> SAE heaped bucket assembly	845	1860
· 1.00 m <sup>3</sup> SAE heaped bucket assembly	912	2010
· 1.15 m <sup>3</sup> SAE heaped bucket assembly	991	2180
· Bucket control link assembly	369	810
· Boom cylinder assembly (2EA)	360	790
· 2-piece boom cylinder assembly (2EA)	324	710
· Arm cylinder assembly	278	610
· Bucket cylinder assembly	171	380
· Adjustment cylinder assembly	215	470
· Dozer cylinder assembly (2EA)	150	330
· Outrigger cylinder assembly (front) (2EA)	206	450

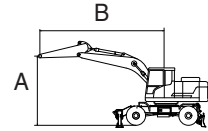
## 5. LIFTING CAPACITIES











### 1) 5.65 m MONO BOOM+3400 kg COUNTERWEIGHT

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HW210A	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5650	2400	3400	-	310	-	Down	-	Down

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach		
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
											m (ft)
7.5 m (24.6 ft)	kg								*4820	*4820	5.72
	lb								*10630	*10630	(18.8)
6.0 m (19.7 ft)	kg				*5520	*5520			*4400	*4400	6.89
	lb				*12170	*12170			*9700	*9700	(22.6)
4.5 m (14.8 ft)	kg		*7190	*7190	*5960	5830	*5130	4080	*4300	4000	7.59
	lb		*15850	*15850	*13140	12850	*11310	8990	*9480	8820	(24.9)
3.0 m (9.8 ft)	kg		*8800	8590	*6640	5580	*5630	3990	*4390	3650	7.94
	lb		*19400	18940	*14640	12300	*12410	8800	*9680	8050	(26.1)
1.5 m (4.9 ft)	kg		*10000	8130	*7260	5360	*5870	3890	*4680	3540	8.00
	lb		*22050	17920	*16010	11820	*12940	8580	*10320	7800	(26.2)
0.0 m (0.0 ft)	kg		*10280	7930	*7540	5210	*5900	3830	*5240	3650	7.76
	lb		*22660	17480	*16620	11490	*13010	8440	*11550	8050	(25.5)
-1.5 m (-4.9 ft)	kg	*11990	*11990	*9780	7920	*7290	5180		*5710	4050	7.21
	lb	*26430	*26430	*21560	17460	*16070	11420		*12590	8930	(23.7)
-3.0 m (-9.8 ft)	kg	*11220	*11220	*8410	8050	*6070	5290		*5610	5020	6.25
	lb	*24740	*24740	*18540	17750	*13380	11660		*12370	11070	(20.5)

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.



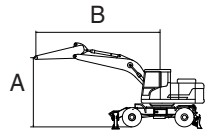
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2400	3400	-	310	-	Up	-	Up



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg									*4820	4740	5.72
	lb									*10630	10450	(18.8)
6.0 m (19.7 ft)	kg				*5520	4400				*4400	3460	6.89
	lb				*12170	9700				*9700	7630	(22.6)
4.5 m (14.8 ft)	kg		*7190	6560	*5960	4240	4350	2960	4260	2900	7.59	
	lb		*15850	14460	*13140	9350	9590	6530	9390	6390	(24.9)	
3.0 m (9.8 ft)	kg		*8800	6010	6000	4010	4260	2880	3890	2620	7.94	
	lb		*19400	13250	13230	8840	9390	6350	8580	5780	(26.1)	
1.5 m (4.9 ft)	kg		8910	5590	5770	3800	4150	2780	3780	2530	8.00	
	lb		19640	12320	12720	8380	9150	6130	8330	5580	(26.2)	
0.0 m (0.0 ft)	kg		8710	5410	5620	3670	4090	2720	3900	2600	7.76	
	lb		19200	11930	12390	8090	9020	6000	8600	5730	(25.5)	
-1.5 m (-4.9 ft)	kg	*11990	10180	8690	5400	5590	3640		4330	2880	7.21	
	lb	*26430	22440	19160	11900	12320	8020		9550	6350	(23.7)	
-3.0 m (-9.8 ft)	kg	*11220	10390	*8410	5520	5700	3740		5400	3560	6.25	
	lb	*24740	22910	*18540	12170	12570	8250		11900	7850	(20.5)	

Note 1. Lifting capacity are based on ISO 10567.

- Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

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▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

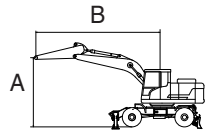
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2400	3400	-	310	-	Down	Down	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg									*4820	*4820	5.72
	lb									*10630	*10630	(18.8)
6.0 m (19.7 ft)	kg				*5520	*5520				*4400	*4400	6.89
	lb				*12170	*12170				*9700	*9700	(22.6)
4.5 m (14.8 ft)	kg		*7190	*7190	*5960	5550	*5130	3880	*4300	3800	7.59	
	lb		*15850	*15850	*13140	12240	*11310	8550	*9480	8380	(24.9)	
3.0 m (9.8 ft)	kg		*8800	8140	*6640	5310	*5630	3790	*4390	3460	7.94	
	lb		*19400	17950	*14640	11710	*12410	8360	*9680	7630	(26.1)	
1.5 m (4.9 ft)	kg		*10000	7680	*7260	5080	*5870	3690	*4680	3360	8.00	
	lb		*22050	16930	*16010	11200	*12940	8140	*10320	7410	(26.2)	
0.0 m (0.0 ft)	kg		*10280	7480	*7540	4940	*5900	3630	*5240	3460	7.76	
	lb		*22660	16490	*16620	10890	*13010	8000	*11550	7630	(25.5)	
-1.5 m (-4.9 ft)	kg	*11990	*11990	*9780	7470	*7290	4910		*5710	3840	7.21	
	lb	*26430	*26430	*21560	16470	*16070	10820		*12590	8470	(23.7)	
-3.0 m (-9.8 ft)	kg	*11220	*11220	*8410	7600	*6070	5010		*5610	4760	6.25	
	lb	*24740	*24740	*18540	16760	*13380	11050		*12370	10490	(20.5)	

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

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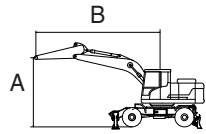
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2400	3400	-	310	-	Up	Up	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg									*4820	4670	5.72
	lb									*10630	10300	(18.8)
6.0 m (19.7 ft)	kg				*5520	4330				*4400	3410	6.89
	lb				*12170	9550				*9700	7520	(22.6)
4.5 m (14.8 ft)	kg		*7190	6460	*5960	4180	4330	2910	4240	2850	7.59	
	lb		*15850	14240	*13140	9220	9550	6420	9350	6280	(24.9)	
3.0 m (9.8 ft)	kg		*8800	5920	5980	3950	4250	2830	3870	2580	7.94	
	lb		*19400	13050	13180	8710	9370	6240	8530	5690	(26.1)	
1.5 m (4.9 ft)	kg		8890	5500	5750	3730	4140	2730	3760	2480	8.00	
	lb		19600	12130	12680	8220	9130	6020	8290	5470	(26.2)	
0.0 m (0.0 ft)	kg		8680	5320	5600	3600	4070	2670	3890	2550	7.76	
	lb		19140	11730	12350	7940	8970	5890	8580	5620	(25.5)	
-1.5 m (-4.9 ft)	kg	*11990	10010	8660	5310	5570	3570		4320	2830	7.21	
	lb	*26430	22070	19090	11710	12280	7870		9520	6240	(23.7)	
-3.0 m (-9.8 ft)	kg	*11220	10230	*8410	5420	5680	3670		5380	3500	6.25	
	lb	*24740	22550	*18540	11950	12520	8090		11860	7720	(20.5)	

Note 1. Lifting capacity are based on ISO 10567.

- Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

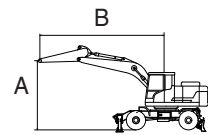
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2400	3400	-	310	-	-	Down	Down

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg									*4820	*4820	5.72
	lb									*10630	*10630	(18.8)
6.0 m (19.7 ft)	kg				*5520	*5520				*4400	*4400	6.89
	lb				*12170	*12170				*9700	*9700	(22.6)
4.5 m (14.8 ft)	kg			*7190	*7190	*5960	*5960	*5130	4570	*4300	*4300	7.59
	lb			*15850	*15850	*13140	*13140	*11310	10080	*9480	*9480	(24.9)
3.0 m (9.8 ft)	kg			*8800	*8800	*6640	6310	*5630	4490	*4390	4100	7.94
	lb			*19400	*19400	*14640	13910	*12410	9900	*9680	9040	(26.1)
1.5 m (4.9 ft)	kg			*10000	9380	*7260	6070	*5870	4380	*4680	3980	8.00
	lb			*22050	20680	*16010	13380	*12940	9660	*10320	8770	(26.2)
0.0 m (0.0 ft)	kg			*10280	9170	*7540	5920	*5900	4320	*5240	4120	7.76
	lb			*22660	20220	*16620	13050	*13010	9520	*11550	9080	(25.5)
-1.5 m (-4.9 ft)	kg	*11990	*11990	*9780	9160	*7290	5890			*5710	4570	7.21
	lb	*26430	*26430	*21560	20190	*16070	12990			*12590	10080	(23.7)
-3.0 m (-9.8 ft)	kg	*11220	*11220	*8410	*8410	*6070	6000			*5610	*5610	6.25
	lb	*24740	*24740	*18540	*18540	*13380	13230			*12370	*12370	(20.5)

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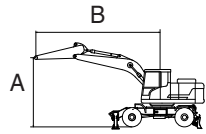
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2400	3400	-	310	-	Up	Up	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg									*4820	4660	5.72
	lb									*10630	10270	(18.8)
6.0 m (19.7 ft)	kg				*5520	4330				*4400	3400	6.89
	lb				*12170	9550				*9700	7500	(22.6)
4.5 m (14.8 ft)	kg		*7190	6450	*5960	4170	4330	2900	4240	2840	7.59	
	lb		*15850	14220	*13140	9190	9550	6390	9350	6260	(24.9)	
3.0 m (9.8 ft)	kg		*8800	5900	5980	3940	4240	2820	3870	2570	7.94	
	lb		*19400	13010	13180	8690	9350	6220	8530	5670	(26.1)	
1.5 m (4.9 ft)	kg		8890	5490	5750	3730	4140	2730	3760	2480	8.00	
	lb		19600	12100	12680	8220	9130	6020	8290	5470	(26.2)	
0.0 m (0.0 ft)	kg		8680	5310	5600	3600	4070	2670	3890	2550	7.76	
	lb		19140	11710	12350	7940	8970	5890	8580	5620	(25.5)	
-1.5 m (-4.9 ft)	kg	*11990	9990	8660	5300	5570	3570		4320	2820	7.21	
	lb	*26430	22020	19090	11680	12280	7870		9520	6220	(23.7)	
-3.0 m (-9.8 ft)	kg	*11220	10210	*8410	5410	5680	3660		5380	3490	6.25	
	lb	*24740	22510	*18540	11930	12520	8070		11860	7690	(20.5)	

Note 1. Lifting capacity are based on ISO 10567.

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- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
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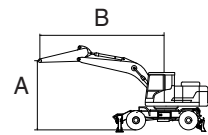
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2700	3400	-	310	Down	-	-	Down

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg					*4180	*4180			*3620	*3620	6.10
	lb					*9220	*9220			*7980	*7980	(20.0)
6.0 m (19.7 ft)	kg					*5270	*5270			*3330	*3330	7.21
	lb					*11620	*11620			*7340	*7340	(23.6)
4.5 m (14.8 ft)	kg		*6840	*6840	*5750	*5750	*5240	4130	*3260	*3260	7.88	
	lb		*15080	*15080	*12680	*12680	*11550	9110	*7190	*7190	(25.8)	
3.0 m (9.8 ft)	kg		*8500	*8500	*6480	5650	*5510	4030	*3330	*3330	8.22	
	lb		*18740	*18740	*14290	12460	*12150	8880	*7340	*7340	(27.0)	
1.5 m (4.9 ft)	kg		*9840	8230	*7170	5410	*5820	3920	*3540	3390	8.27	
	lb		*21690	18140	*15810	11930	*12830	8640	*7800	7470	(27.1)	
0.0 m (0.0 ft)	kg	*6270	*6270	*10320	7980	*7540	5250	*5940	3840	*3950	3490	8.05
	lb	*13820	*13820	*22750	17590	*16620	11570	*13100	8470	*8710	7690	(26.4)
-1.5 m (-4.9 ft)	kg	*11690	*11690	*9980	7930	*7410	5190	*4870	3840	*4700	3830	7.51
	lb	*25770	*25770	*22000	17480	*16340	11440	*10740	8470	*10360	8440	(24.6)
-3.0 m (-9.8 ft)	kg	*12050	*12050	*8810	8030	*6470	5260			*5530	4640	6.59
	lb	*26570	*26570	*19420	17700	*14260	11600			*12190	10230	(21.6)
-4.5 m (-14.8 ft)	kg			*6090	*6090					*5010	*5010	5.08
	lb			*13430	*13430					*11050	*11050	(16.7)

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

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Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

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▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

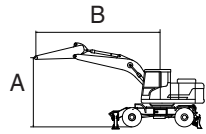
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2700	3400	-	310	Up	-	-	Up



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg				*4180	*4180			*3620	*3620	6.10	
	lb				*9220	*9220			*7980	*7980	(20.0)	
6.0 m (19.7 ft)	kg				*5270	4470			*3330	3260	7.21	
	lb				*11620	9850			*7340	7190	(23.6)	
4.5 m (14.8 ft)	kg		*6840	6670	*5750	4300	4400	3010	*3260	2760	7.88	
	lb		*15080	14700	*12680	9480	9700	6640	*7190	6080	(25.8)	
3.0 m (9.8 ft)	kg		*8500	6130	6070	4070	4300	2920	*3330	2510	8.22	
	lb		*18740	13510	13380	8970	9480	6440	*7340	5530	(27.0)	
1.5 m (4.9 ft)	kg		9020	5680	5820	3850	4180	2810	*3540	2430	8.27	
	lb		19890	12520	12830	8490	9220	6190	*7800	5360	(27.1)	
0.0 m (0.0 ft)	kg	*6270	*6270	8760	5460	5650	3700	4100	2730	3720	2490	8.05
	lb	*13820	*13820	19310	12040	12460	8160	9040	6020	8200	5490	(26.4)
-1.5 m (-4.9 ft)	kg	*11690	10150	8710	5420	5590	3650	4100	2730	4090	2730	7.51
	lb	*25770	22380	19200	11950	12320	8050	9040	6020	9020	6020	(24.6)
-3.0 m (-9.8 ft)	kg	*12050	10350	8810	5500	5660	3710			4980	3300	6.59
	lb	*26570	22820	19420	12130	12480	8180			10980	7280	(21.6)
-4.5 m (-14.8 ft)	kg			*6090	5760					*5010	4900	5.08
	lb			*13430	12700					*11050	10800	(16.7)

Note 1. Lifting capacity are based on ISO 10567.

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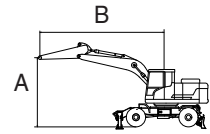
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2700	3400	-	310	-	Down	Down	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg					*4180	*4180			*3620	*3620	6.10
	lb					*9220	*9220			*7980	*7980	(20.0)
6.0 m (19.7 ft)	kg					*5270	*5270			*3330	*3330	7.21
	lb					*11620	*11620			*7340	*7340	(23.6)
4.5 m (14.8 ft)	kg		*6840	*6840	*5750	5620	*5240	3930	*3260	*3260	*3260	7.88
	lb		*15080	*15080	*12680	12390	*11550	8660	*7190	*7190	*7190	(25.8)
3.0 m (9.8 ft)	kg		*8500	8270	*6480	5370	*5510	3830	*3330	3320	3320	8.22
	lb		*18740	18230	*14290	11840	*12150	8440	*7340	7320	7320	(27.0)
1.5 m (4.9 ft)	kg		*9840	7780	*7170	5130	*5820	3720	*3540	3220	3220	8.27
	lb		*21690	17150	*15810	11310	*12830	8200	*7800	7100	7100	(27.1)
0.0 m (0.0 ft)	kg	*6270	*6270	*10320	7540	*7540	4970	*5940	3640	*3950	3310	8.05
	lb	*13820	*13820	*22750	16620	*16620	10960	*13100	8020	*8710	7300	(26.4)
-1.5 m (-4.9 ft)	kg	*11690	*11690	*9980	7490	*7410	4920	*4870	3640	*4700	3630	7.51
	lb	*25770	*25770	*22000	16510	*16340	10850	*10740	8020	*10360	8000	(24.6)
-3.0 m (-9.8 ft)	kg	*12050	*12050	*8810	7580	*6470	4980			*5530	4400	6.59
	lb	*26570	*26570	*19420	16710	*14260	10980			*12190	9700	(21.6)
-4.5 m (-14.8 ft)	kg			*6090	*6090					*5010	*5010	5.08
	lb			*13430	*13430					*11050	*11050	(16.7)

Note 1. Lifting capacity are based on ISO 10567.

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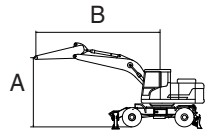
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2700	3400	-	310	-	Up	Up	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg				*4180	*4180			*3620	*3620	6.10	
	lb				*9220	*9220			*7980	*7980	(20.0)	
6.0 m (19.7 ft)	kg				*5270	4400			*3330	3210	7.21	
	lb				*11620	9700			*7340	7080	(23.6)	
4.5 m (14.8 ft)	kg		*6840	6580	*5750	4240	4390	2960	*3260	2710	7.88	
	lb		*15080	14510	*12680	9350	9680	6530	*7190	5970	(25.8)	
3.0 m (9.8 ft)	kg		*8500	6040	6050	4000	4290	2870	*3330	2470	8.22	
	lb		*18740	13320	13340	8820	9460	6330	*7340	5450	(27.0)	
1.5 m (4.9 ft)	kg		8990	5590	5800	3780	4170	2760	*3540	2380	8.27	
	lb		19820	12320	12790	8330	9190	6080	*7800	5250	(27.1)	
0.0 m (0.0 ft)	kg	*6270	*6270	8730	5370	5630	3630	4090	2680	3700	2440	8.05
	lb	*13820	*13820	19250	11840	12410	8000	9020	5910	8160	5380	(26.4)
-1.5 m (-4.9 ft)	kg	*11690	9990	8680	5330	5580	3580	4080	2680	4080	2680	7.51
	lb	*25770	22020	19140	11750	12300	7890	8990	5910	8990	5910	(24.6)
-3.0 m (-9.8 ft)	kg	*12050	10180	8780	5410	5640	3640			4960	3240	6.59
	lb	*26570	22440	19360	11930	12430	8020			10930	7140	(21.6)
-4.5 m (-14.8 ft)	kg			*6090	5670					*5010	4820	5.08
	lb			*13430	12500					*11050	10630	(16.7)

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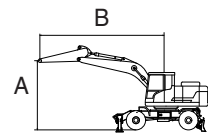
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2700	3400	-	310	-	-	Down	Down

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg					*4180	*4180			*3620	*3620	6.10
	lb					*9220	*9220			*7980	*7980	(20.0)
6.0 m (19.7 ft)	kg					*5270	*5270			*3330	*3330	7.21
	lb					*11620	*11620			*7340	*7340	(23.6)
4.5 m (14.8 ft)	kg		*6840	*6840	*5750	*5750	*5240	4630	*3260	*3260	7.88	
	lb		*15080	*15080	*12680	*12680	*11550	10210	*7190	*7190	(25.8)	
3.0 m (9.8 ft)	kg		*8500	*8500	*6480	6370	*5510	4530	*3330	*3330	8.22	
	lb		*18740	*18740	*14290	14040	*12150	9990	*7340	*7340	(27.0)	
1.5 m (4.9 ft)	kg		*9840	9490	*7170	6120	*5820	4410	*3540	*3540	8.27	
	lb		*21690	20920	*15810	13490	*12830	9720	*7800	*7800	(27.1)	
0.0 m (0.0 ft)	kg	*6270	*6270	*10320	9230	*7540	5960	*5940	4330	*3950	3920	8.05
	lb	*13820	*13820	*22750	20350	*16620	13140	*13100	9550	*8710	8640	(26.4)
-1.5 m (-4.9 ft)	kg	*11690	*11690	*9980	9180	*7410	5900	*4870	4320	*4700	4320	7.51
	lb	*25770	*25770	*22000	20240	*16340	13010	*10740	9520	*10360	9520	(24.6)
-3.0 m (-9.8 ft)	kg	*12050	*12050	*8810	*8810	*6470	5970			*5530	5250	6.59
	lb	*26570	*26570	*19420	*19420	*14260	13160			*12190	11570	(21.6)
-4.5 m (-14.8 ft)	kg			*6090	*6090					*5010	*5010	5.08
	lb			*13430	*13430					*11050	*11050	(16.7)

Note 1. Lifting capacity are based on ISO 10567.

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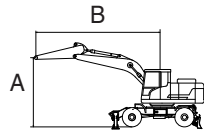
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2700	3400	-	310	-	-	Up	Up



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg					*4180	*4180			*3620	*3620	6.10
	lb					*9220	*9220			*7980	*7980	(20.0)
6.0 m (19.7 ft)	kg					*5270	4390			*3330	3200	7.21
	lb					*11620	9680			*7340	7050	(23.6)
4.5 m (14.8 ft)	kg		*6840	6570	*5750	4230	4390	2960	*3260	2710	7.88	
	lb		*15080	14480	*12680	9330	9680	6530	*7190	5970	(25.8)	
3.0 m (9.8 ft)	kg		*8500	6030	6050	4000	4290	2860	*3330	2460	8.22	
	lb		*18740	13290	13340	8820	9460	6310	*7340	5420	(27.0)	
1.5 m (4.9 ft)	kg		8990	5580	5800	3770	4170	2750	*3540	2380	8.27	
	lb		19820	12300	12790	8310	9190	6060	*7800	5250	(27.1)	
0.0 m (0.0 ft)	kg	*6270	*6270	8730	5360	5630	3630	4090	2680	3700	2440	8.05
	lb	*13820	*13820	19250	11820	12410	8000	9020	5910	8160	5380	(26.4)
-1.5 m (-4.9 ft)	kg	*11690	9970	8680	5320	5580	3580	4080	2680	4080	2670	7.51
	lb	*25770	21980	19140	11730	12300	7890	8990	5910	8990	5890	(24.6)
-3.0 m (-9.8 ft)	kg	*12050	10160	8780	5400	5640	3640			4960	3240	6.59
	lb	*26570	22400	19360	11900	12430	8020			10930	7140	(21.6)
-4.5 m (-14.8 ft)	kg			*6090	5660					*5010	4810	5.08
	lb			*13430	12480					*11050	10600	(16.7)

Note 1. Lifting capacity are based on ISO 10567.

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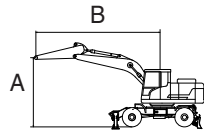
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2920	3400	-	310	Down	-	-	Down



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg							*4680	*4680			*3140	*3140	6.39
	lb							*10320	*10320			*6920	*6920	(21.0)
6.0 m (19.7 ft)	kg							*5020	*5020			*2900	*2900	7.45
	lb							*11070	*11070			*6390	*6390	(24.5)
4.5 m (14.8 ft)	kg					*6500	*6500	*5520	*5520	*5030	4110	*2840	*2840	8.10
	lb					*14330	*14330	*12170	*12170	*11090	9060	*6260	*6260	(26.6)
3.0 m (9.8 ft)	kg					*8160	*8160	*6270	5620	*5340	4000	*2890	*2890	8.43
	lb					*17990	*17990	*13820	12390	*11770	8820	*6370	*6370	(27.7)
1.5 m (4.9 ft)	kg					*9580	8190	*6990	5360	*5680	3870	*3070	*3070	8.49
	lb					*21120	18060	*15410	11820	*12520	8530	*6770	*6770	(27.8)
0.0 m (0.0 ft)	kg			*6650	*6650	*10180	7900	*7420	5180	*5850	3780	*3400	3300	8.27
	lb			*14660	*14660	*22440	17420	*16360	11420	*12900	8330	*7500	7280	(27.1)
-1.5 m (-4.9 ft)	kg	*7190	*7190	*11250	*11250	*9980	7830	*7370	5110	*5620	3760	*4010	3600	7.75
	lb	*15850	*15850	*24800	*24800	*22000	17260	*16250	11270	*12390	8290	*8840	7940	(25.4)
-3.0 m (-9.8 ft)	kg	*11870	*11870	*12450	*12450	*8950	7910	*6600	5160			*5240	4310	6.86
	lb	*26170	*26170	*27450	*27450	*19730	17440	*14550	11380			*11550	9500	(22.5)
-4.5 m (-14.8 ft)	kg			*9040	*9040	*6580	*6580					*4960	*4960	5.43
	lb			*19930	*19930	*14510	*14510					*10930	*10930	(17.8)

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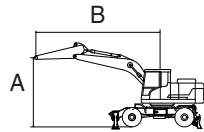
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2920	3400	-	310	Up	-	-	Up



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg							*4680	4480			*3140	*3140	6.39
	lb							*10320	9880			*6920	*6920	(21.0)
6.0 m (19.7 ft)	kg							*5020	4460			*2900	*2900	7.45
	lb							*11070	9830			*6390	*6390	(24.5)
4.5 m (14.8 ft)	kg					*6500	*6500	*5520	4290	4380	2980	*2840	2600	8.10
	lb					*14330	*14330	*12170	9460	9660	6570	*6260	5730	(26.6)
3.0 m (9.8 ft)	kg					*8160	6130	6040	4040	4260	2880	*2890	2370	8.43
	lb					*17990	13510	13320	8910	9390	6350	*6370	5220	(27.7)
1.5 m (4.9 ft)	kg					8990	5640	5770	3800	4130	2760	*3070	2280	8.49
	lb					19820	12430	12720	8380	9110	6080	*6770	5030	(27.8)
0.0 m (0.0 ft)	kg			*6650	*6650	8680	5380	5590	3630	4040	2670	*3400	2330	8.27
	lb			*14660	*14660	19140	11860	12320	8000	8910	5890	*7500	5140	(27.1)
-1.5 m (-4.9 ft)	kg	*7190	*7190	*11250	9960	8600	5310	5510	3570	4020	2650	3850	2550	7.75
	lb	*15850	*15850	*24800	21960	18960	11710	12150	7870	8860	5840	8490	5620	(25.4)
-3.0 m (-9.8 ft)	kg	*11870	*11870	*12450	10160	8690	5390	5560	3610			4630	3050	6.86
	lb	*26170	*26170	*27450	22400	19160	11880	12260	7960			10210	6720	(22.5)
-4.5 m (-14.8 ft)	kg			*9040	*9040	*6580	5620					*4960	4370	5.43
	lb			*19930	*19930	*14510	12390					*10930	9630	(17.8)

Note 1. Lifting capacity are based on ISO 10567.

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3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

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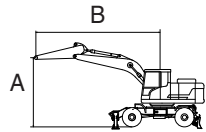
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2920	3400	-	310	-	Down	Down	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														kg
7.5 m (24.6 ft)	kg							*4680	*4680			*3140	*3140	6.39
	lb							*10320	*10320			*6920	*6920	(21.0)
6.0 m (19.7 ft)	kg							*5020	*5020			*2900	*2900	7.45
	lb							*11070	*11070			*6390	*6390	(24.5)
4.5 m (14.8 ft)	kg					*6500	*6500	*5520	*5520	*5030	3910	*2840	*2840	8.10
	lb					*14330	*14330	*12170	*12170	*11090	8620	*6260	*6260	(26.6)
3.0 m (9.8 ft)	kg					*8160	*8160	*6270	5340	*5340	3800	*2890	*2890	8.43
	lb					*17990	*17990	*13820	11770	*11770	8380	*6370	*6370	(27.7)
1.5 m (4.9 ft)	kg					*9580	7740	*6990	5080	*5680	3670	*3070	3050	8.49
	lb					*21120	17060	*15410	11200	*12520	8090	*6770	6720	(27.8)
0.0 m (0.0 ft)	kg			*6650	*6650	*10180	7460	*7420	4910	*5850	3580	*3400	3120	8.27
	lb			*14660	*14660	*22440	16450	*16360	10820	*12900	7890	*7500	6880	(27.1)
-1.5 m (-4.9 ft)	kg	*7190	*7190	*11250	*11250	*9980	7380	*7370	4840	*5620	3560	*4010	3410	7.75
	lb	*15850	*15850	*24800	*24800	*22000	16270	*16250	10670	*12390	7850	*8840	7520	(25.4)
-3.0 m (-9.8 ft)	kg	*11870	*11870	*12450	*12450	*8950	7460	*6600	4880			*5240	4090	6.86
	lb	*26170	*26170	*27450	*27450	*19730	16450	*14550	10760			*11550	9020	(22.5)
-4.5 m (-14.8 ft)	kg			*9040	*9040	*6580	*6580					*4960	*4960	5.43
	lb			*19930	*19930	*14510	*14510					*10930	*10930	(17.8)

Note 1. Lifting capacity are based on ISO 10567.

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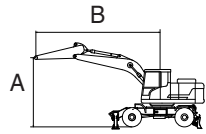
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2920	3400	-	310	-	Up	Up	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg							*4680	4420			*3140	*3140	6.39
	lb							*10320	9740			*6920	*6920	(21.0)
6.0 m (19.7 ft)	kg							*5020	4400			*2900	*2900	7.45
	lb							*11070	9700			*6390	*6390	(24.5)
4.5 m (14.8 ft)	kg					*6500	*6500	*5520	4220	4370	2930	*2840	2550	8.10
	lb					*14330	*14330	*12170	9300	9630	6460	*6260	5620	(26.6)
3.0 m (9.8 ft)	kg					*8160	6040	6030	3970	4250	2830	*2890	2320	8.43
	lb					*17990	13320	13290	8750	9370	6240	*6370	5110	(27.7)
1.5 m (4.9 ft)	kg					8960	5550	5760	3730	4120	2710	*3070	2240	8.49
	lb					19750	12240	12700	8220	9080	5970	*6770	4940	(27.8)
0.0 m (0.0 ft)	kg			*6650	*6650	8650	5290	5570	3570	4030	2620	*3400	2290	8.27
	lb			*14660	*14660	19070	11660	12280	7870	8880	5780	*7500	5050	(27.1)
-1.5 m (-4.9 ft)	kg	*7190	*7190	*11250	9790	8570	5220	5500	3500	4000	2600	3840	2500	7.75
	lb	*15850	*15850	*24800	21580	18890	11510	12130	7720	8820	5730	8470	5510	(25.4)
-3.0 m (-9.8 ft)	kg	*11870	*11870	*12450	9990	8660	5290	5550	3550			4610	3000	6.86
	lb	*26170	*26170	*27450	22020	19090	11660	12240	7830			10160	6610	(22.5)
-4.5 m (-14.8 ft)	kg			*9040	*9040	*6580	5520					*4960	4290	5.43
	lb			*19930	*19930	*14510	12170					*10930	9460	(17.8)

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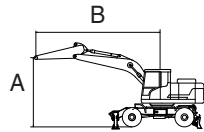
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2920	3400	-	310	-	-	Down	Down



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach		
														kg	lb	m (ft)
7.5 m (24.6 ft)	kg							*4680	*4680					*3140	*3140	6.39
	lb							*10320	*10320					*6920	*6920	(21.0)
6.0 m (19.7 ft)	kg							*5020	*5020					*2900	*2900	7.45
	lb							*11070	*11070					*6390	*6390	(24.5)
4.5 m (14.8 ft)	kg					*6500	*6500	*5520	*5520	*5030	4610	*2840	*2840	*2840	*2840	8.10
	lb					*14330	*14330	*12170	*12170	*11090	10160	*6260	*6260	*6260	*6260	(26.6)
3.0 m (9.8 ft)	kg					*8160	*8160	*6270	*6270	*5340	4490	*2890	*2890	*2890	*2890	8.43
	lb					*17990	*17990	*13820	*13820	*11770	9900	*6370	*6370	*6370	*6370	(27.7)
1.5 m (4.9 ft)	kg					*9580	9450	*6990	6080	*5680	4360	*3070	*3070	*3070	*3070	8.49
	lb					*21120	20830	*15410	13400	*12520	9610	*6770	*6770	*6770	*6770	(27.8)
0.0 m (0.0 ft)	kg			*6650	*6650	*10180	9150	*7420	5890	*5850	4270	*3400	*3400	*3400	*3400	8.27
	lb			*14660	*14660	*22440	20170	*16360	12990	*12900	9410	*7500	*7500	*7500	*7500	(27.1)
-1.5 m (-4.9 ft)	kg	*7190	*7190	*11250	*11250	*9980	9070	*7370	5820	*5620	4240	*4010	*4010	*4010	*4010	7.75
	lb	*15850	*15850	*24800	*24800	*22000	20000	*16250	12830	*12390	9350	*8840	*8840	*8840	*8840	(25.4)
-3.0 m (-9.8 ft)	kg	*11870	*11870	*12450	*12450	*8950	*8950	*6600	5870			*5240	4880	4880	4880	6.86
	lb	*26170	*26170	*27450	*27450	*19730	*19730	*14550	12940			*11550	10760	10760	10760	(22.5)
-4.5 m (-14.8 ft)	kg			*9040	*9040	*6580	*6580					*4960	*4960	*4960	*4960	5.43
	lb			*19930	*19930	*14510	*14510					*10930	*10930	*10930	*10930	(17.8)

Note 1. Lifting capacity are based on ISO 10567.

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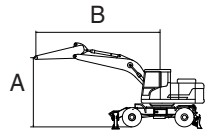
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	MONO BOOM	5650	2920	3400	-	310	-	-	Up	Up



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg							*4680	4410			*3140	*3140	6.39
	lb							*10320	9720			*6920	*6920	(21.0)
6.0 m (19.7 ft)	kg							*5020	4390			*2900	*2900	7.45
	lb							*11070	9680			*6390	*6390	(24.5)
4.5 m (14.8 ft)	kg					*6500	*6500	*5520	4220	4370	2930	*2840	2550	8.10
	lb					*14330	*14330	*12170	9300	9630	6460	*6260	5620	(26.6)
3.0 m (9.8 ft)	kg					*8160	6030	6020	3970	4250	2820	*2890	2320	8.43
	lb					*17990	13290	13270	8750	9370	6220	*6370	5110	(27.7)
1.5 m (4.9 ft)	kg					8960	5540	5750	3730	4120	2700	*3070	2240	8.49
	lb					19750	12210	12680	8220	9080	5950	*6770	4940	(27.8)
0.0 m (0.0 ft)	kg			*6650	*6650	8650	5280	5570	3560	4030	2620	*3400	2280	8.27
	lb			*14660	*14660	19070	11640	12280	7850	8880	5780	*7500	5030	(27.1)
-1.5 m (-4.9 ft)	kg	*7190	*7190	*11250	9770	8570	5210	5500	3490	4000	2590	3840	2490	7.75
	lb	*15850	*15850	*24800	21540	18890	11490	12130	7690	8820	5710	8470	5490	(25.4)
-3.0 m (-9.8 ft)	kg	*11870	*11870	*12450	9970	8660	5280	5550	3540			4610	2990	6.86
	lb	*26170	*26170	*27450	21980	19090	11640	12240	7800			10160	6590	(22.5)
-4.5 m (-14.8 ft)	kg			*9040	*9040	*6580	5510					*4960	4290	5.43
	lb			*19930	*19930	*14510	12150					*10930	9460	(17.8)

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## 2) 5.40 m 2-PIECE BOOM+4100 kg COUNTERWEIGHT

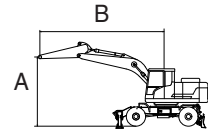
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HW210A	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5400	2400	4100	-	310	Down	-	-	Down



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb			*4680 *10320	*4680 *10320					*5110 *11270	*5110 *11270	5.48 (18.0)
6.0 m (19.7 ft)	kg lb			*4810 *10600	*4810 *10600	*4800 *10580	*4800 *10580			*4720 *10410	*4720 *10410	6.69 (22.0)
4.5 m (14.8 ft)	kg lb	*7890 *17390	*7890 *17390	*5910 *13030	*5910 *13030	*5170 *11400	*5170 *11400			*4510 *9940	*4510 *9940	7.41 (24.3)
3.0 m (9.8 ft)	kg lb			*7600 *16760	*7600 *16760	*5920 *13050	*5920 *13050	*5290 *11660	4400 9700	*4520 *9960	4150 9150	7.77 (25.5)
1.5 m (4.9 ft)	kg lb			*9200 *20280	9010 19860	*6740 *14860	5920 13050	*5660 *12480	4310 9500	*4740 *10450	4050 8930	7.83 (25.7)
0.0 m (0.0 ft)	kg lb			*10120 *22310	8790 19380	*7360 *16230	5790 12760	*5950 *13120	4260 9390	*5210 *11490	4200 9260	7.59 (24.9)
-1.5 m (-4.9 ft)	kg lb	*12480 *27510	*12480 *27510	*10310 *22730	8780 19360	*7570 *16690	5760 12700			*6130 *13510	4680 10320	7.02 (23.0)

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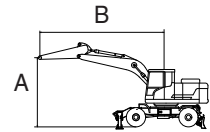
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2400	4100	-	310	Up	-	-	Up

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg			*4680	*4680					*5110	*5110	5.48 (18.0)
	lb			*10320	*10320					*11270	*11270	
6.0 m (19.7 ft)	kg			*4810	*4810	*4800	*4800			*4720	3990	6.69 (22.0)
	lb			*10600	*10600	*10580	*10580			*10410	8800	
4.5 m (14.8 ft)	kg	*7890	*7890	*5910	*5910	*5170	4680			*4510	3340	7.41 (24.3)
	lb	*17390	*17390	*13030	*13030	*11400	10320			*9940	7360	
3.0 m (9.8 ft)	kg			*7600	6720	*5920	4470	4700	3220	4430	3040	7.77 (25.5)
	lb			*16760	14820	*13050	9850	10360	7100	9770	6700	
1.5 m (4.9 ft)	kg			*9200	6300	6390	4270	4610	3130	4320	2950	7.83 (25.7)
	lb			*20280	13890	14090	9410	10160	6900	9520	6500	
0.0 m (0.0 ft)	kg			9670	6110	6240	4140	4560	3090	4490	3040	7.59 (24.9)
	lb			21320	13470	13760	9130	10050	6810	9900	6700	
-1.5 m (-4.9 ft)	kg	*12480	11370	9650	6090	6220	4120			5020	3390	7.02 (23.0)
	lb	*27510	25070	21270	13430	13710	9080			11070	7470	

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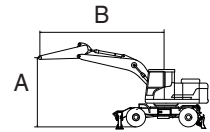
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
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2400	4100	-	310	-	Down	Down	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												
7.5 m (24.6 ft)	kg lb			*4680 *10320	*4680 *10320					*5110 *11270	*5110 *11270	5.48 (18.0)
6.0 m (19.7 ft)	kg lb			*4810 *10600	*4810 *10600	*4800 *10580	*4800 *10580			*4720 *10410	*4720 *10410	6.69 (22.0)
4.5 m (14.8 ft)	kg lb	*7890 *17390	*7890 *17390	*5910 *13030	*5910 *13030	*5170 *11400	*5170 *11400			*4510 *9940	4330 9550	7.41 (24.3)
3.0 m (9.8 ft)	kg lb			*7600 *16760	*7600 *16760	*5920 *13050	5850 12900	*5290 *11660	4190 9240	*4520 *9960	3960 8730	7.77 (25.5)
1.5 m (4.9 ft)	kg lb			*9200 *20280	8540 18830	*6740 *14860	5640 12430	*5660 *12480	4100 9040	*4740 *10450	3860 8510	7.83 (25.7)
0.0 m (0.0 ft)	kg lb			*10120 *22310	8330 18360	*7360 *16230	5500 12130	*5950 *13120	4050 8930	*5210 *11490	3990 8800	7.59 (24.9)
-1.5 m (-4.9 ft)	kg lb	*12480 *27510	*12480 *27510	*10310 *22730	8310 18320	*7570 *16690	5480 12080			*6130 *13510	4460 9830	7.02 (23.0)

Note 1. Lifting capacity are based on ISO 10567.

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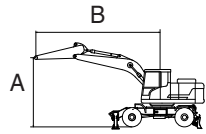
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2400	4100	-	310	-	Up	Up	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg			*4680	*4680					*5110	*5110	5.48
	lb			*10320	*10320					*11270	*11270	(18.0)
6.0 m (19.7 ft)	kg			*4810	*4810	*4800	4750			*4720	3930	6.69
	lb			*10600	*10600	*10580	10470			*10410	8660	(22.0)
4.5 m (14.8 ft)	kg	*7890	*7890	*5910	*5910	*5170	4620			*4510	3290	7.41
	lb	*17390	*17390	*13030	*13030	*11400	10190			*9940	7250	(24.3)
3.0 m (9.8 ft)	kg			*7600	6620	*5920	4410	4680	3170	4420	2990	7.77
	lb			*16760	14590	*13050	9720	10320	6990	9740	6590	(25.5)
1.5 m (4.9 ft)	kg			*9200	6210	6370	4210	4590	3080	4310	2900	7.83
	lb			*20280	13690	14040	9280	10120	6790	9500	6390	(25.7)
0.0 m (0.0 ft)	kg			9640	6010	6220	4080	4540	3040	4470	2990	7.59
	lb			21250	13250	13710	8990	10010	6700	9850	6590	(24.9)
-1.5 m (-4.9 ft)	kg	*12480	11210	9620	6000	6200	4060			5000	3340	7.02
	lb	*27510	24710	21210	13230	13670	8950			11020	7360	(23.0)

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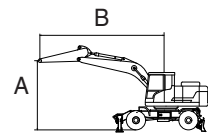
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


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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2400	4100	-	310	-	-	Down	Down

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg			*4680	*4680					*5110	*5110	5.48
	lb			*10320	*10320					*11270	*11270	(18.0)
6.0 m (19.7 ft)	kg			*4810	*4810	*4800	*4800			*4720	*4720	6.69
	lb			*10600	*10600	*10580	*10580			*10410	*10410	(22.0)
4.5 m (14.8 ft)	kg	*7890	*7890	*5910	*5910	*5170	*5170			*4510	*4510	7.41
	lb	*17390	*17390	*13030	*13030	*11400	*11400			*9940	*9940	(24.3)
3.0 m (9.8 ft)	kg			*7600	*7600	*5920	*5920	*5290	4920	*4520	*4520	7.77
	lb			*16760	*16760	*13050	*13050	*11660	10850	*9960	*9960	(25.5)
1.5 m (4.9 ft)	kg			*9200	*9200	*6740	6690	*5660	4830	*4740	4540	7.83
	lb			*20280	*20280	*14860	14750	*12480	10650	*10450	10010	(25.7)
0.0 m (0.0 ft)	kg			*10120	*10120	*7360	6550	*5950	4780	*5210	4710	7.59
	lb			*22310	*22310	*16230	14440	*13120	10540	*11490	10380	(24.9)
-1.5 m (-4.9 ft)	kg	*12480	*12480	*10310	10120	*7570	6520			*6130	5270	7.02
	lb	*27510	*27510	*22730	22310	*16690	14370			*13510	11620	(23.0)

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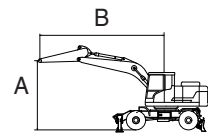
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2400	4100	-	310	-	-	Up	Up

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												kg (lb)
7.5 m (24.6 ft)	kg (lb)			*4680 (*10320)	*4680 (*10320)					*5110 (*11270)	*5110 (*11270)	5.48 (18.0)
6.0 m (19.7 ft)	kg (lb)			*4810 (*10600)	*4810 (*10600)	*4800 (*10580)	4740			*4720 (*10410)	3920 (8640)	6.69 (22.0)
4.5 m (14.8 ft)	kg (lb)	*7890 (*17390)	*7890 (*17390)	*5910 (*13030)	*5910 (*13030)	*5170 (*11400)	4610 (10160)			*4510 (*9940)	3280 (7230)	7.41 (24.3)
3.0 m (9.8 ft)	kg (lb)			*7600 (*16760)	6610 (14570)	*5920 (*13050)	4400 (9700)	4680 (10320)	3160 (6970)	4420 (9740)	2980 (6570)	7.77 (25.5)
1.5 m (4.9 ft)	kg (lb)			*9200 (*20280)	6190 (13650)	6370 (14040)	4200 (9260)	4590 (10120)	3080 (6790)	4310 (9500)	2890 (6370)	7.83 (25.7)
0.0 m (0.0 ft)	kg (lb)			9640 (21250)	6000 (13230)	6220 (13710)	4070 (8970)	4540 (10010)	3030 (6680)	4470 (9850)	2990 (6590)	7.59 (24.9)
-1.5 m (-4.9 ft)	kg (lb)	*12480 (*27510)	11190 (24670)	9620 (21210)	5990 (13210)	6200 (13670)	4050 (8930)			5000 (11020)	3330 (7340)	7.02 (23.0)

Note 1. Lifting capacity are based on ISO 10567.

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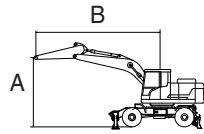
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2700	4100	-	310	Down	-	-	Down



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
9.0 m (29.5 ft)	kg									*5310	*5310	3.87
	lb									*11710	*11710	(12.7)
7.5 m (24.6 ft)	kg									*4030	*4030	5.87
	lb									*8880	*8880	(19.3)
6.0 m (19.7 ft)	kg		*4450	*4450	*4510	*4510				*3610	*3610	7.02
	lb		*9810	*9810	*9940	*9940				*7960	*7960	(23.0)
4.5 m (14.8 ft)	kg	*7030	*7030	*5540	*5540	*4940	*4940	*4820	4520	*3460	*3460	7.71
	lb	*15500	*15500	*12210	*12210	*10890	*10890	*10630	9960	*7630	*7630	(25.3)
3.0 m (9.8 ft)	kg			*7250	*7250	*5720	*5720	*5100	4440	*3480	*3480	8.05
	lb			*15980	*15980	*12610	*12610	*11240	9790	*7670	*7670	(26.4)
1.5 m (4.9 ft)	kg			*8940	*8940	*6580	5970	*5530	4330	*3640	*3640	8.11
	lb			*19710	*19710	*14510	13160	*12190	9550	*8020	*8020	(26.6)
0.0 m (0.0 ft)	kg	*6490	*6490	*10010	8850	*7270	5820	*5890	4270	*3990	*3990	7.88
	lb	*14310	*14310	*22070	19510	*16030	12830	*12990	9410	*8800	*8800	(25.8)
-1.5 m (-4.9 ft)	kg	*12120	*12120	*10360	8790	*7590	5770			*4660	4410	7.33
	lb	*26720	*26720	*22840	19380	*16730	12720			*10270	9720	(24.1)
-3.0 m (-9.8 ft)	kg			*9890	8900							
	lb			*21800	19620							

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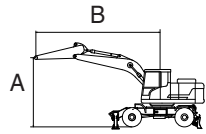
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2700	4100	-	310	Up	-	-	Up



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
9.0 m (29.5 ft)	kg									*5310	*5310	3.87
	lb									*11710	*11710	(12.7)
7.5 m (24.6 ft)	kg									*4030	*4030	5.87
	lb									*8880	*8880	(19.3)
6.0 m (19.7 ft)	kg		*4450	*4450	*4510	*4510				*3610	*3610	7.02
	lb		*9810	*9810	*9940	*9940				*7960	*7960	(23.0)
4.5 m (14.8 ft)	kg	*7030	*7030	*5540	*5540	*4940	4750	4820	3330	*3460	3170	7.71
	lb	*15500	*15500	*12210	*12210	*10890	10470	10630	7340	*7630	6990	(25.3)
3.0 m (9.8 ft)	kg			*7250	6830	*5720	4530	4740	3250	*3480	2900	8.05
	lb			*15980	15060	*12610	9990	10450	7170	*7670	6390	(26.4)
1.5 m (4.9 ft)	kg			*8940	6390	6430	4320	4630	3160	*3640	2820	8.11
	lb			*19710	14090	14180	9520	10210	6970	*8020	6220	(26.6)
0.0 m (0.0 ft)	kg	*6490	*6490	9720	6160	6270	4170	4560	3090	*3990	2900	7.88
	lb	*14310	*14310	21430	13580	13820	9190	10050	6810	*8800	6390	(25.8)
-1.5 m (-4.9 ft)	kg	*12120	11360	9660	6110	6220	4130			*4660	3200	7.33
	lb	*26720	25040	21300	13470	13710	9110			*10270	7050	(24.1)
-3.0 m (-9.8 ft)	kg			9770	6200							
	lb			21540	13670							

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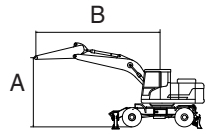
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2700	4100	-	310	-	Down	Down	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
9.0 m (29.5 ft)	kg									*5310	*5310	3.87
	lb									*11710	*11710	(12.7)
7.5 m (24.6 ft)	kg									*4030	*4030	5.87
	lb									*8880	*8880	(19.3)
6.0 m (19.7 ft)	kg			*4450	*4450	*4510	*4510			*3610	*3610	7.02
	lb			*9810	*9810	*9940	*9940			*7960	*7960	(23.0)
4.5 m (14.8 ft)	kg	*7030	*7030	*5540	*5540	*4940	*4940	*4820	4310	*3460	*3460	7.71
	lb	*15500	*15500	*12210	*12210	*10890	*10890	*10630	9500	*7630	*7630	(25.3)
3.0 m (9.8 ft)	kg			*7250	*7250	*5720	*5720	*5100	4230	*3480	*3480	8.05
	lb			*15980	*15980	*12610	*12610	*11240	9330	*7670	*7670	(26.4)
1.5 m (4.9 ft)	kg			*8940	8630	*6580	5680	*5530	4130	*3640	*3640	8.11
	lb			*19710	19030	*14510	12520	*12190	9110	*8020	*8020	(26.6)
0.0 m (0.0 ft)	kg	*6490	*6490	*10010	8380	*7270	5530	*5890	4060	*3990	3800	7.88
	lb	*14310	*14310	*22070	18470	*16030	12190	*12990	8950	*8800	8380	(25.8)
-1.5 m (-4.9 ft)	kg	*12120	*12120	*10360	8330	*7590	5480			*4660	4200	7.33
	lb	*26720	*26720	*22840	18360	*16730	12080			*10270	9260	(24.1)
-3.0 m (-9.8 ft)	kg			*9890	8430							
	lb			*21800	18580							

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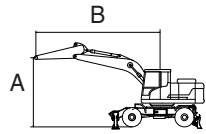
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2700	4100	-	310	-	Up	Up	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
9.0 m (29.5 ft)	kg									*5310	*5310	3.87
	lb									*11710	*11710	(12.7)
7.5 m (24.6 ft)	kg									*4030	*4030	5.87
	lb									*8880	*8880	(19.3)
6.0 m (19.7 ft)	kg		*4450	*4450	*4510	*4510				*3610	*3610	7.02
	lb		*9810	*9810	*9940	*9940				*7960	*7960	(23.0)
4.5 m (14.8 ft)	kg	*7030	*7030	*5540	*5540	*4940	4680	4810	3280	*3460	3130	7.71
	lb	*15500	*15500	*12210	*12210	*10890	10320	10600	7230	*7630	6900	(25.3)
3.0 m (9.8 ft)	kg			*7250	6740	*5720	4460	4720	3200	*3480	2860	8.05
	lb			*15980	14860	*12610	9830	10410	7050	*7670	6310	(26.4)
1.5 m (4.9 ft)	kg			*8940	6290	6410	4250	4620	3110	*3640	2770	8.11
	lb			*19710	13870	14130	9370	10190	6860	*8020	6110	(26.6)
0.0 m (0.0 ft)	kg	*6490	*6490	9690	6060	6250	4110	4550	3040	*3990	2850	7.88
	lb	*14310	*14310	21360	13360	13780	9060	10030	6700	*8800	6280	(25.8)
-1.5 m (-4.9 ft)	kg	*12120	11190	9630	6010	6200	4060			*4660	3150	7.33
	lb	*26720	24670	21230	13250	13670	8950			*10270	6940	(24.1)
-3.0 m (-9.8 ft)	kg			9740	6110							
	lb			21470	13470							

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

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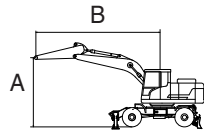
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2700	4100	-	310	-	-	Down	Down



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
9.0 m (29.5 ft)	kg									*5310	*5310	3.87
	lb									*11710	*11710	(12.7)
7.5 m (24.6 ft)	kg									*4030	*4030	5.87
	lb									*8880	*8880	(19.3)
6.0 m (19.7 ft)	kg			*4450	*4450	*4510	*4510			*3610	*3610	7.02
	lb			*9810	*9810	*9940	*9940			*7960	*7960	(23.0)
4.5 m (14.8 ft)	kg	*7030	*7030	*5540	*5540	*4940	*4940	*4820	*4820	*3460	*3460	7.71
	lb	*15500	*15500	*12210	*12210	*10890	*10890	*10630	*10630	*7630	*7630	(25.3)
3.0 m (9.8 ft)	kg			*7250	*7250	*5720	*5720	*5100	4960	*3480	*3480	8.05
	lb			*15980	*15980	*12610	*12610	*11240	10930	*7670	*7670	(26.4)
1.5 m (4.9 ft)	kg			*8940	*8940	*6580	*6580	*5530	4860	*3640	*3640	8.11
	lb			*19710	*19710	*14510	*14510	*12190	10710	*8020	*8020	(26.6)
0.0 m (0.0 ft)	kg	*6490	*6490	*10010	*10010	*7270	6580	*5890	4790	*3990	*3990	7.88
	lb	*14310	*14310	*22070	*22070	*16030	14510	*12990	10560	*8800	*8800	(25.8)
-1.5 m (-4.9 ft)	kg	*12120	*12120	*10360	10130	*7590	6530			*4660	*4660	7.33
	lb	*26720	*26720	*22840	22330	*16730	14400			*10270	*10270	(24.1)
-3.0 m (-9.8 ft)	kg			*9890	*9890							
	lb			*21800	*21800							

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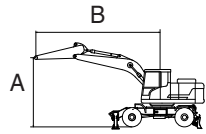
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2920	4100	-	310	-	-	Up	Up



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
9.0 m (29.5 ft)	kg									*5310	*5310	3.87
	lb									*11710	*11710	(12.7)
7.5 m (24.6 ft)	kg									*4030	*4030	5.87
	lb									*8880	*8880	(19.3)
6.0 m (19.7 ft)	kg			*4450	*4450	*4510	*4510			*3610	*3610	7.02
	lb			*9810	*9810	*9940	*9940			*7960	*7960	(23.0)
4.5 m (14.8 ft)	kg	*7030	*7030	*5540	*5540	*4940	4670	4810	3280	*3460	3120	7.71
	lb	*15500	*15500	*12210	*12210	*10890	10300	10600	7230	*7630	6880	(25.3)
3.0 m (9.8 ft)	kg			*7250	6730	*5720	4460	4720	3200	*3480	2850	8.05
	lb			*15980	14840	*12610	9830	10410	7050	*7670	6280	(26.4)
1.5 m (4.9 ft)	kg			*8940	6280	6410	4240	4620	3100	*3640	2770	8.11
	lb			*19710	13850	14130	9350	10190	6830	*8020	6110	(26.6)
0.0 m (0.0 ft)	kg	*6490	*6490	9690	6050	6250	4100	4550	3040	*3990	2850	7.88
	lb	*14310	*14310	21360	13340	13780	9040	10030	6700	*8800	6280	(25.8)
-1.5 m (-4.9 ft)	kg	*12120	11170	9630	6000	6200	4050			*4660	3140	7.33
	lb	*26720	24630	21230	13230	13670	8930			*10270	6920	(24.1)
-3.0 m (-9.8 ft)	kg			9740	6100							
	lb			21470	13450							

Note 1. Lifting capacity are based on ISO 10567.

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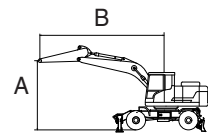
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2920	4100	-	310	Down	-	-	Down

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
9.0 m (29.5 ft)	kg									*4500	*4500	4.31
	lb									*9920	*9920	(14.2)
7.5 m (24.6 ft)	kg				*4450	*4450				*3510	*3510	6.17
	lb				*9810	*9810				*7740	*7740	(20.3)
6.0 m (19.7 ft)	kg				*4230	*4230				*3160	*3160	7.27
	lb				*9330	*9330				*6970	*6970	(23.9)
4.5 m (14.8 ft)	kg		*5190	*5190	*4680	*4680	*4560	4500	*3030	*3030	7.93	
	lb		*11440	*11440	*10320	*10320	*10050	9920	*6680	*6680	(26.0)	
3.0 m (9.8 ft)	kg		*6890	*6890	*5480	*5480	*4890	4400	*3040	*3040	8.27	
	lb		*15190	*15190	*12080	*12080	*10780	9700	*6700	*6700	(27.1)	
1.5 m (4.9 ft)	kg		*8620	*8620	*6370	5930	*5350	4290	*3180	*3180	8.33	
	lb		*19000	*19000	*14040	13070	*11790	9460	*7010	*7010	(27.3)	
0.0 m (0.0 ft)	kg	*6800	*6800	*9780	8770	*7100	5750	*5750	4200	*3470	*3470	8.10
	lb	*14990	*14990	*21560	19330	*15650	12680	*12680	9260	*7650	*7650	(26.6)
-1.5 m (-4.9 ft)	kg	*11610	*11610	*10240	8690	*7480	5690	*5030	4200	*4010	*4010	7.57
	lb	*25600	*25600	*22580	19160	*16490	12540	*11090	9260	*8840	*8840	(24.8)
-3.0 m (-9.8 ft)	kg			*9920	8780	*7230	5750					
	lb			*21870	19360	*15940	12680					

Note 1. Lifting capacity are based on ISO 10567.

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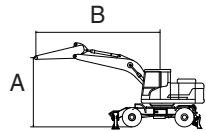
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2920	4100	-	310	Up	-	-	Up



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
9.0 m (29.5 ft)	kg									*4500	*4500	4.31
	lb									*9920	*9920	(14.2)
7.5 m (24.6 ft)	kg				*4450	*4450				*3510	*3510	6.17
	lb				*9810	*9810				*7740	*7740	(20.3)
6.0 m (19.7 ft)	kg				*4230	*4230				*3160	*3160	7.27
	lb				*9330	*9330				*6970	*6970	(23.9)
4.5 m (14.8 ft)	kg		*5190	*5190	*4680	*4680	*4560	3310	*3030	2990	7.93	
	lb		*11440	*11440	*10320	*10320	*10050	7300	*6680	6590	(26.0)	
3.0 m (9.8 ft)	kg		*6890	6830	*5480	4500	4700	3220	*3040	2740	8.27	
	lb		*15190	15060	*12080	9920	10360	7100	*6700	6040	(27.1)	
1.5 m (4.9 ft)	kg		*8620	6350	*6370	4270	4590	3110	*3180	2660	8.33	
	lb		*19000	14000	*14040	9410	10120	6860	*7010	5860	(27.3)	
0.0 m (0.0 ft)	kg	*6800	*6800	9650	6080	6210	4110	4500	3030	*3470	2730	8.10
	lb	*14990	*14990	21270	13400	13690	9060	9920	6680	*7650	6020	(26.6)
-1.5 m (-4.9 ft)	kg	*11610	11170	9560	6010	6140	4050	4500	3030	*4010	3000	7.57
	lb	*25600	24630	21080	13250	13540	8930	9920	6680	*8840	6610	(24.8)
-3.0 m (-9.8 ft)	kg			9650	6080	6210	4110					
	lb			21270	13400	13690	9060					

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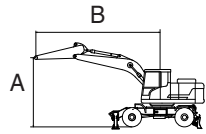
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2920	4100	-	310	-	Down	Down	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
9.0 m (29.5 ft)	kg									*4500	*4500	4.31
	lb									*9920	*9920	(14.2)
7.5 m (24.6 ft)	kg				*4450	*4450				*3510	*3510	6.17
	lb				*9810	*9810				*7740	*7740	(20.3)
6.0 m (19.7 ft)	kg				*4230	*4230				*3160	*3160	7.27
	lb				*9330	*9330				*6970	*6970	(23.9)
4.5 m (14.8 ft)	kg		*5190	*5190	*4680	*4680	*4560	4290	*3030	*3030	7.93	
	lb		*11440	*11440	*10320	*10320	*10050	9460	*6680	*6680	(26.0)	
3.0 m (9.8 ft)	kg		*6890	*6890	*5480	*5480	*4890	4190	*3040	*3040	8.27	
	lb		*15190	*15190	*12080	*12080	*10780	9240	*6700	*6700	(27.1)	
1.5 m (4.9 ft)	kg		*8620	8600	*6370	5640	*5350	4080	*3180	*3180	8.33	
	lb		*19000	18960	*14040	12430	*11790	8990	*7010	*7010	(27.3)	
0.0 m (0.0 ft)	kg	*6800	*6800	*9780	8300	*7100	5470	*5750	4000	*3470	*3470	8.10
	lb	*14990	*14990	*21560	18300	*15650	12060	*12680	8820	*7650	*7650	(26.6)
-1.5 m (-4.9 ft)	kg	*11610	*11610	*10240	8220	*7480	5400	*5030	4000	*4010	3950	7.57
	lb	*25600	*25600	*22580	18120	*16490	11900	*11090	8820	*8840	8710	(24.8)
-3.0 m (-9.8 ft)	kg			*9920	8310	*7230	5470					
	lb			*21870	18320	*15940	12060					

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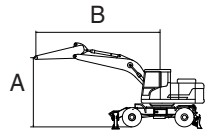
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2920	4100	-	310	-	Up	Up	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
9.0 m (29.5 ft)	kg									*4500	*4500	4.31
	lb									*9920	*9920	(14.2)
7.5 m (24.6 ft)	kg				*4450	*4450				*3510	*3510	6.17
	lb				*9810	*9810				*7740	*7740	(20.3)
6.0 m (19.7 ft)	kg				*4230	*4230				*3160	*3160	7.27
	lb				*9330	*9330				*6970	*6970	(23.9)
4.5 m (14.8 ft)	kg		*5190	*5190	*4680	4670	*4560	3260	*3030	2940	7.93	
	lb		*11440	*11440	*10320	10300	*10050	7190	*6680	6480	(26.0)	
3.0 m (9.8 ft)	kg		*6890	6740	*5480	4440	4690	3170	*3040	2700	8.27	
	lb		*15190	14860	*12080	9790	10340	6990	*6700	5950	(27.1)	
1.5 m (4.9 ft)	kg		*8620	6260	*6370	4210	4570	3060	*3180	2620	8.33	
	lb		*19000	13800	*14040	9280	10080	6750	*7010	5780	(27.3)	
0.0 m (0.0 ft)	kg	*6800	*6800	9620	5990	6190	4040	4490	2980	*3470	2690	8.10
	lb	*14990	*14990	21210	13210	13650	8910	9900	6570	*7650	5930	(26.6)
-1.5 m (-4.9 ft)	kg	*11610	11010	9530	5910	6120	3980	4490	2980	*4010	2950	7.57
	lb	*25600	24270	21010	13030	13490	8770	9900	6570	*8840	6500	(24.8)
-3.0 m (-9.8 ft)	kg			9620	5990	6190	4040					
	lb			21210	13210	13650	8910					

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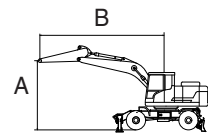
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2920	4100	-	310	-	-	Down	Down

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
9.0 m (29.5 ft)	kg lb									*4500 *9920	*4500 *9920	4.31 (14.2)
7.5 m (24.6 ft)	kg lb					*4450 *9810	*4450 *9810			*3510 *7740	*3510 *7740	6.17 (20.3)
6.0 m (19.7 ft)	kg lb					*4230 *9330	*4230 *9330			*3160 *6970	*3160 *6970	7.27 (23.9)
4.5 m (14.8 ft)	kg lb			*5190 *11440	*5190 *11440	*4680 *10320	*4680 *10320	*4560 *10050	*4560 *10050	*3030 *6680	*3030 *6680	7.93 (26.0)
3.0 m (9.8 ft)	kg lb			*6890 *15190	*6890 *15190	*5480 *12080	*5480 *12080	*4890 *10780	*4890 *10780	*3040 *6700	*3040 *6700	8.27 (27.1)
1.5 m (4.9 ft)	kg lb			*8620 *19000	*8620 *19000	*6370 *14040	*6370 *14040	*5350 *11790	4810 10600	*3180 *7010	*3180 *7010	8.33 (27.3)
0.0 m (0.0 ft)	kg lb	*6800 *14990	*6800 *14990	*9780 *21560	*9780 *21560	*7100 *15650	6520 14370	*5750 *12680	4730 10430	*3470 *7650	*3470 *7650	8.10 (26.6)
-1.5 m (-4.9 ft)	kg lb	*11610 *25600	*11610 *25600	*10240 *22580	10030 22110	*7480 *16490	6450 14220	*5030 *11090	4730 10430	*4010 *8840	*4010 *8840	7.57 (24.8)
-3.0 m (-9.8 ft)	kg lb			*9920 *21870	*9920 *21870	*7230 *15940	6520 14370					

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

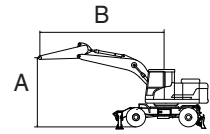
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HW210A	2-PIECE BOOM	5400	2920	4100	-	310	-	-	Up	Up

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
9.0 m (29.5 ft)	kg									*4500	*4500	4.31
	lb									*9920	*9920	(14.2)
7.5 m (24.6 ft)	kg				*4450	*4450				*3510	*3510	6.17
	lb				*9810	*9810				*7740	*7740	(20.3)
6.0 m (19.7 ft)	kg				*4230	*4230				*3160	*3160	7.27
	lb				*9330	*9330				*6970	*6970	(23.9)
4.5 m (14.8 ft)	kg		*5190	*5190	*4680	4660	*4560	3250	*3030	2940	7.93	
	lb		*11440	*11440	*10320	10270	*10050	7170	*6680	6480	(26.0)	
3.0 m (9.8 ft)	kg		*6890	6730	*5480	4430	4690	3160	*3040	2690	8.27	
	lb		*15190	14840	*12080	9770	10340	6970	*6700	5930	(27.1)	
1.5 m (4.9 ft)	kg		*8620	6250	*6370	4200	4570	3050	*3180	2610	8.33	
	lb		*19000	13780	*14040	9260	10080	6720	*7010	5750	(27.3)	
0.0 m (0.0 ft)	kg	*6800	*6800	9620	5980	6190	4040	4490	2980	*3470	2680	8.10
	lb	*14990	*14990	21210	13180	13650	8910	9900	6570	*7650	5910	(26.6)
-1.5 m (-4.9 ft)	kg	*11610	10990	9530	5900	6120	3980	4490	2980	*4010	2940	7.57
	lb	*25600	24230	21010	13010	13490	8770	9900	6570	*8840	6480	(24.8)
-3.0 m (-9.8 ft)	kg			9620	5980	6190	4040					
	lb			21210	13180	13650	8910					

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

## 6. BUCKET SELECTION GUIDE

### 1) FRONT DOZER UP, REAR OUTRIGGER UP

(counterweight : mono boom-3400 kg, 2-piece boom-4100 kg)



General bucket



Heavy duty

Type	Capacity		Width	Weight	Tooth	MONO			2-PIECE		
	SAE Heaped	CECE heaped	Without side cutter			Recommendation			mm (ft-in)		
						5.65 m (18' 6") Boom			5.40 m (17' 9") Boom		
	m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)			kg (lb)	EA	2.4 m (7' 10') Arm	2.7 m (8' 10') Arm	2.92 m (9' 7") Arm	2.4 m (7' 10') Arm
General bucket	0.80 (1.05)	0.70 (0.92)	1070 (42.1")	770 (1700)	5	●	●	◐	●	●	●
	0.86 (1.12)	0.75 (0.98)	1140 (44.9")	740 (1630)	5	◐	◐	■	●	●	●
	0.92 (1.20)	0.80 (1.05)	1190 (46.9")	820 (1810)	5	◐	◐	■	●	●	◐
	1.20 (1.57)	1.05 (1.37)	1390 (54.7")	920 (2030)	5	▲	▲	▲	■	■	▲
	1.34 (1.75)	1.17 (1.53)	1525 (60.0")	990 (2180)	6	▲	X	X	■	▲	▲
Heavy duty	0.85 (1.11)	0.76 (0.99)	960 (37.8")	860 (1900)	4	◐	◐	■	●	●	●
	1.00 (1.31)	0.89 (1.16)	1110 (43.7")	950 (2090)	5	■	■	▲	◐	◐	■
	1.15 (1.50)	1.01 (1.32)	1260 (49.6")	1030 (2270)	6	▲	▲	▲	■	■	▲

●	Applicable for materials with density of 2100 kg/m <sup>3</sup> (3500 lb/yd <sup>3</sup> ) or less
◐	Applicable for materials with density of 1800 kg/m <sup>3</sup> (3000 lb/yd <sup>3</sup> ) or less
■	Applicable for materials with density of 1500 kg/m <sup>3</sup> (2500 lb/yd <sup>3</sup> ) or less
▲	Applicable for materials with density of 1200 kg/m <sup>3</sup> (2000 lb/yd <sup>3</sup> ) or less
X	Not recommended

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

Select an optimum combination according to the working conditions and the type of work that is being done.

Consult your HD Hyundai Construction Equipment dealer for information on selecting the correct boom–arm–bucket combination.

**2) FRONT DOZER DOWN, REAR OUTRIGGER DOWN**  
 (counterweight : mono boom-3400 kg, 2-piece boom-4100 kg)



General bucket



Heavy duty

Type	Capacity		Width	Weight	Tooth	MONO			2-PIECE		
	SAE Heaped	CECE heaped	Without side cutter			Recommendation					
						5.65 m (18' 6") Boom			5.40 m (17' 9") Boom		
m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)	kg (lb)	EA	2.4 m (7' 10") Arm	2.7 m (8' 10") Arm	2.92 m (9' 7") Arm	2.4 m (7' 10") Arm	2.7 m (8' 10") Arm	2.92 m (9' 7") Arm	
General bucket	0.80 (1.05)	0.70 (0.92)	1070 (42.1")	770 (1700)	5	●	●	●	●	●	●
	0.86 (1.12)	0.75 (0.98)	1140 (44.9")	740 (1630)	5	●	●	●	●	●	●
	0.92 (1.20)	0.80 (1.05)	1190 (46.9")	820 (1810)	5	●	●	●	●	●	●
	1.20 (1.57)	1.05 (1.37)	1390 (54.7")	920 (2030)	5	●	◐	◐	●	●	●
	1.34 (1.75)	1.17 (1.53)	1525 (60.0")	990 (2180)	6	◐	◐	●	●	●	◐
Heavy duty	0.85 (1.11)	0.76 (0.99)	960 (37.8")	860 (1900)	4	●	●	●	●	●	●
	1.00 (1.31)	0.89 (1.16)	1110 (43.7")	950 (2090)	5	●	●	●	●	●	●
	1.15 (1.50)	1.01 (1.32)	1260 (49.6")	1030 (2270)	6	●	◐	◐	●	●	●

- Applicable for materials with density of 2100 kg/m<sup>3</sup> (3500 lb/yd<sup>3</sup>) or less
- ◐ Applicable for materials with density of 1800 kg/m<sup>3</sup> (3000 lb/yd<sup>3</sup>) or less
- Applicable for materials with density of 1500 kg/m<sup>3</sup> (2500 lb/yd<sup>3</sup>) or less
- ▲ Applicable for materials with density of 1200 kg/m<sup>3</sup> (2000 lb/yd<sup>3</sup>) or less
- X Not recommended

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

Select an optimum combination according to the working conditions and the type of work that is being done.

Consult your HD Hyundai Construction Equipment dealer for information on selecting the correct boom–arm–bucket combination.

**3) FRONT OUTRIGGER UP, REAR OUTRIGGER UP**  
 (counterweight : mono boom-3400 kg, 2-piece boom-4100 kg)



General bucket



Heavy duty

Type	Capacity		Width	Weight	Tooth	MONO			2-PIECE		
	SAE Heaped	CECE heaped	Without side cutter			Recommendation					
						5.65 m (18' 6") Boom			5.40 m (17' 9") Boom		
m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)	kg (lb)	EA	2.4 m (7' 10") Arm	2.7 m (8' 10") Arm	2.92 m (9' 7") Arm	2.4 m (7' 10") Arm	2.7 m (8' 10") Arm	2.92 m (9' 7") Arm	
General bucket	0.80 (1.05)	0.70 (0.92)	1070 (42.1")	770 (1700)	5	●	◐	◑	●	●	●
	0.86 (1.12)	0.75 (0.98)	1140 (44.9")	740 (1630)	5	◐	◐	■	●	●	◐
	0.92 (1.20)	0.80 (1.05)	1190 (46.9")	820 (1810)	5	◐	■	■	●	●	◐
	1.20 (1.57)	1.05 (1.37)	1390 (54.7")	920 (2030)	5	▲	▲	X	■	■	▲
	1.34 (1.75)	1.17 (1.53)	1525 (60.0")	990 (2180)	6	▲	X	X	▲	▲	▲
Heavy duty	0.85 (1.11)	0.76 (0.99)	960 (37.8")	860 (1900)	4	◐	◐	■	●	●	◐
	1.00 (1.31)	0.89 (1.16)	1110 (43.7")	950 (2090)	5	■	■	▲	◐	◐	■
	1.15 (1.50)	1.01 (1.32)	1260 (49.6")	1030 (2270)	6	▲	▲	X	■	■	▲

- Applicable for materials with density of 2100 kg/m<sup>3</sup> (3500 lb/yd<sup>3</sup>) or less
- ◐ Applicable for materials with density of 1800 kg/m<sup>3</sup> (3000 lb/yd<sup>3</sup>) or less
- Applicable for materials with density of 1500 kg/m<sup>3</sup> (2500 lb/yd<sup>3</sup>) or less
- ▲ Applicable for materials with density of 1200 kg/m<sup>3</sup> (2000 lb/yd<sup>3</sup>) or less
- X Not recommended

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

Select an optimum combination according to the working conditions and the type of work that is being done.

Consult your HD Hyundai Construction Equipment dealer for information on selecting the correct boom–arm–bucket combination.

**4) FRONT OUTRIGGER DOWN, REAR OUTRIGGER DOWN**  
 (counterweight : mono boom-3400 kg, 2-piece boom-4100 kg)



General bucket



Heavy duty

Type	Capacity		Width	Weight	Tooth	MONO			2-PIECE		
	SAE Heaped	CECE heaped	Without side cutter			Recommendation					
						5.65 m (18' 6") Boom			5.40 m (17' 9") Boom		
m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)	kg (lb)	EA	2.4 m (7' 10") Arm	2.7 m (8' 10") Arm	2.92 m (9' 7") Arm	2.4 m (7' 10") Arm	2.7 m (8' 10") Arm	2.92 m (9' 7") Arm	
General bucket	0.80 (1.05)	0.70 (0.92)	1070 (42.1")	770 (1700)	5	●	●	●	●	●	●
	0.86 (1.12)	0.75 (0.98)	1140 (44.9")	740 (1630)	5	●	●	●	●	●	●
	0.92 (1.20)	0.80 (1.05)	1190 (46.9")	820 (1810)	5	●	●	●	●	●	●
	1.20 (1.57)	1.05 (1.37)	1390 (54.7")	920 (2030)	5	●	●	●	●	●	●
	1.34 (1.75)	1.17 (1.53)	1525 (60.0")	990 (2180)	6	●	◐	◐	●	●	●
Heavy duty	0.85 (1.11)	0.76 (0.99)	960 (37.8")	860 (1900)	4	●	●	●	●	●	●
	1.00 (1.31)	0.89 (1.16)	1110 (43.7")	950 (2090)	5	●	●	●	●	●	●
	1.15 (1.50)	1.01 (1.32)	1260 (49.6")	1030 (2270)	6	●	●	●	●	●	●

- Applicable for materials with density of 2100 kg/m<sup>3</sup> (3500 lb/yd<sup>3</sup>) or less
- ◐ Applicable for materials with density of 1800 kg/m<sup>3</sup> (3000 lb/yd<sup>3</sup>) or less
- Applicable for materials with density of 1500 kg/m<sup>3</sup> (2500 lb/yd<sup>3</sup>) or less
- ▲ Applicable for materials with density of 1200 kg/m<sup>3</sup> (2000 lb/yd<sup>3</sup>) or less
- X Not recommended

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

Select an optimum combination according to the working conditions and the type of work that is being done.

Consult your HD Hyundai Construction Equipment dealer for information on selecting the correct boom–arm–bucket combination.

## 5) FRONT DOZER UP, REAR DOZER UP

(counterweight : mono boom-3400 kg, 2-piece boom-4100 kg)



General bucket



Heavy duty

Type	Capacity		Width	Weight	Tooth	MONO			2-PIECE		
	SAE Heaped	CECE heaped	Without side cutter			Recommendation					
						5.65 m (18' 6") Boom			5.40 m (17' 9") Boom		
m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)	kg (lb)	EA	2.4 m (7' 10") Arm	2.7 m (8' 10") Arm	2.92 m (9' 7") Arm	2.4 m (7' 10") Arm	2.7 m (8' 10") Arm	2.92 m (9' 7") Arm	
General bucket	0.80 (1.05)	0.70 (0.92)	1070 (42.1")	770 (1700)	5	●	●	◐	●	●	●
	0.86 (1.12)	0.75 (0.98)	1140 (44.9")	740 (1630)	5	◐	◐	■	●	●	●
	0.92 (1.20)	0.80 (1.05)	1190 (46.9")	820 (1810)	5	◐	■	■	●	●	◐
	1.20 (1.57)	1.05 (1.37)	1390 (54.7")	920 (2030)	5	▲	▲	▲	■	■	▲
	1.34 (1.75)	1.17 (1.53)	1525 (60.0")	990 (2180)	6	▲	X	X	■	▲	▲
Heavy duty	0.85 (1.11)	0.76 (0.99)	960 (37.8")	860 (1900)	4	◐	◐	■	●	●	●
	1.00 (1.31)	0.89 (1.16)	1110 (43.7")	950 (2090)	5	■	■	▲	◐	◐	■
	1.15 (1.50)	1.01 (1.32)	1260 (49.6")	1030 (2270)	6	▲	▲	▲	■	■	▲

●	Applicable for materials with density of 2100 kg/m <sup>3</sup> (3500 lb/yd <sup>3</sup> ) or less
◐	Applicable for materials with density of 1800 kg/m <sup>3</sup> (3000 lb/yd <sup>3</sup> ) or less
■	Applicable for materials with density of 1500 kg/m <sup>3</sup> (2500 lb/yd <sup>3</sup> ) or less
▲	Applicable for materials with density of 1200 kg/m <sup>3</sup> (2000 lb/yd <sup>3</sup> ) or less
X	Not recommended

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

Select an optimum combination according to the working conditions and the type of work that is being done.

Consult your HD Hyundai Construction Equipment dealer for information on selecting the correct boom–arm–bucket combination.



**6) FRONT DOZER DOWN, REAR DOZER DOWN**  
 (counterweight : mono boom-3400 kg, 2-piece boom-4100 kg)



General bucket



Heavy duty

Type	Capacity		Width	Weight	Tooth	MONO			2-PIECE		
	SAE Heaped	CECE heaped	Without side cutter			Recommendation					
						5.65 m (18' 6") Boom			5.40 m (17' 9") Boom		
m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)	kg (lb)	EA	2.4 m (7' 10") Arm	2.7 m (8' 10") Arm	2.92 m (9' 7") Arm	2.4 m (7' 10") Arm	2.7 m (8' 10") Arm	2.92 m (9' 7") Arm	
General bucket	0.80 (1.05)	0.70 (0.92)	1070 (42.1")	770 (1700)	5	●	●	●	●	●	●
	0.86 (1.12)	0.75 (0.98)	1140 (44.9")	740 (1630)	5	●	●	●	●	●	●
	0.92 (1.20)	0.80 (1.05)	1190 (46.9")	820 (1810)	5	●	●	◐	●	●	●
	1.20 (1.57)	1.05 (1.37)	1390 (54.7")	920 (2030)	5	■	■	▲	◐	◐	■
	1.34 (1.75)	1.17 (1.53)	1525 (60.0")	990 (2180)	6	▲	▲	▲	■	■	■
Heavy duty	0.85 (1.11)	0.76 (0.99)	960 (37.8")	860 (1900)	4	●	●	◐	●	●	●
	1.00 (1.31)	0.89 (1.16)	1110 (43.7")	950 (2090)	5	◐	◐	■	●	●	◐
	1.15 (1.50)	1.01 (1.32)	1260 (49.6")	1030 (2270)	6	■	■	▲	◐	◐	■

- Applicable for materials with density of 2100 kg/m<sup>3</sup> (3500 lb/yd<sup>3</sup>) or less
- ◐ Applicable for materials with density of 1800 kg/m<sup>3</sup> (3000 lb/yd<sup>3</sup>) or less
- Applicable for materials with density of 1500 kg/m<sup>3</sup> (2500 lb/yd<sup>3</sup>) or less
- ▲ Applicable for materials with density of 1200 kg/m<sup>3</sup> (2000 lb/yd<sup>3</sup>) or less
- X Not recommended

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

Select an optimum combination according to the working conditions and the type of work that is being done.

Consult your HD Hyundai Construction Equipment dealer for information on selecting the correct boom–arm–bucket combination.

## 7) REAR DOZER UP

(counterweight : mono boom-3400 kg, 2-piece boom-4100 kg)



General bucket



Heavy duty

Type	Capacity		Width	Weight	Tooth	MONO			2-PIECE		
	SAE Heaped	CECE heaped	Without side cutter			Recommendation					
						5.65 m (18' 6") Boom			5.40 m (17' 9") Boom		
m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)	kg (lb)	EA	2.4 m (7' 10') Arm	2.7 m (8' 10') Arm	2.92 m (9' 7") Arm	2.4 m (7' 10') Arm	2.7 m (8' 10') Arm	2.92 m (9' 7") Arm	
General bucket	0.80 (1.05)	0.70 (0.92)	1070 (42.1")	770 (1700)	5	●	◐	◑	●	●	●
	0.86 (1.12)	0.75 (0.98)	1140 (44.9")	740 (1630)	5	●	■	■	●	●	◐
	0.92 (1.20)	0.80 (1.05)	1190 (46.9")	820 (1810)	5	■	■	■	●	◐	◐
	1.20 (1.57)	1.05 (1.37)	1390 (54.7")	920 (2030)	5	▲	▲	X	■	■	▲
	1.34 (1.75)	1.17 (1.53)	1525 (60.0")	990 (2180)	6	X	X	X	▲	▲	▲
Heavy duty	0.85 (1.11)	0.76 (0.99)	960 (37.8")	860 (1900)	4	◐	■	■	●	●	◐
	1.00 (1.31)	0.89 (1.16)	1110 (43.7")	950 (2090)	5	■	▲	▲	◐	◐	■
	1.15 (1.50)	1.01 (1.32)	1260 (49.6")	1030 (2270)	6	▲	▲	X	■	■	▲

●	Applicable for materials with density of 2100 kg/m <sup>3</sup> (3500 lb/yd <sup>3</sup> ) or less
◐	Applicable for materials with density of 1800 kg/m <sup>3</sup> (3000 lb/yd <sup>3</sup> ) or less
■	Applicable for materials with density of 1500 kg/m <sup>3</sup> (2500 lb/yd <sup>3</sup> ) or less
▲	Applicable for materials with density of 1200 kg/m <sup>3</sup> (2000 lb/yd <sup>3</sup> ) or less
X	Not recommended

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

Select an optimum combination according to the working conditions and the type of work that is being done.

Consult your HD Hyundai Construction Equipment dealer for information on selecting the correct boom–arm–bucket combination.

## 8) REAR DOZER DOWN

(counterweight : mono boom-3400 kg, 2-piece boom-4100 kg)



General bucket



Heavy duty

Type	Capacity		Width	Weight	Tooth	MONO			2-PIECE		
	SAE Heaped	CECE heaped	Without side cutter			Recommendation					
						5.65 m (18' 6") Boom			5.40 m (17' 9") Boom		
m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)	kg (lb)	EA	2.4 m (7' 10") Arm	2.7 m (8' 10") Arm	2.92 m (9' 7") Arm	2.4 m (7' 10") Arm	2.7 m (8' 10") Arm	2.92 m (9' 7") Arm	
General bucket	0.80 (1.05)	0.70 (0.92)	1070 (42.1")	770 (1700)	5	●	◐	◑	●	●	●
	0.86 (1.12)	0.75 (0.98)	1140 (44.9")	740 (1630)	5	●	◐	◑	●	●	●
	0.92 (1.20)	0.80 (1.05)	1190 (46.9")	820 (1810)	5	◐	■	■	●	●	◐
	1.20 (1.57)	1.05 (1.37)	1390 (54.7")	920 (2030)	5	▲	▲	▲	■	■	■
	1.34 (1.75)	1.17 (1.53)	1525 (60.0")	990 (2180)	6	▲	X	X	■	▲	▲
Heavy duty	0.85 (1.11)	0.76 (0.99)	960 (37.8")	860 (1900)	4	●	◐	◑	●	●	●
	1.00 (1.31)	0.89 (1.16)	1110 (43.7")	950 (2090)	5	■	■	▲	●	◐	◑
	1.15 (1.50)	1.01 (1.32)	1260 (49.6")	1030 (2270)	6	▲	▲	▲	■	■	■

●	Applicable for materials with density of 2100 kg/m <sup>3</sup> (3500 lb/yd <sup>3</sup> ) or less
◐	Applicable for materials with density of 1800 kg/m <sup>3</sup> (3000 lb/yd <sup>3</sup> ) or less
■	Applicable for materials with density of 1500 kg/m <sup>3</sup> (2500 lb/yd <sup>3</sup> ) or less
▲	Applicable for materials with density of 1200 kg/m <sup>3</sup> (2000 lb/yd <sup>3</sup> ) or less
X	Not recommended

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

Select an optimum combination according to the working conditions and the type of work that is being done.

Consult your HD Hyundai Construction Equipment dealer for information on selecting the correct boom–arm–bucket combination.

## 7. SPECIFICATIONS FOR MAJOR COMPONENTS

### 1) ENGINE

Item	Specification
Maker / Model	CUMMINS / B6.7
Type	4-cycle, turbocharged, charge air cooled, electronic controlled diesel engine
Cooling method	Water cooled
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 (4.21" × 4.88")
Displacement	6.7 ℓ (408 cu in)
Compression ratio	17.3 : 1
Gross power	173 Hp (129 kW) at 2200 rpm
Net power	170 Hp (127 kW) at 2200 rpm
Max. power	195 Hp (145 kW) at 2000 rpm
Peak Torque	881 N · m (650 lb · ft) at 1300 rpm
Engine oil quantity	24.4 ℓ (6.4 U.S. gal)
Wet weight or Dry weight	583 kg (1285 lb)
Starter motor	24 V-4.8 kW
Alternator	24 V-95 A
Battery	2 × 12 × 100 Ah

### 2) MAIN PUMP

Item	Specification
Type	Variable displacement piston pump
Capacity	2 × 130 cc/rev
Maximum pressure	350 kgf/cm <sup>2</sup> (4980 psi) [380 kgf/cm <sup>2</sup> (5400 psi)]
Rated oil flow	2 × 208 ℓ/min (55.0 U.S. gpm / 45.8 U.K. gpm)
Rated speed	1600 rpm

[ ]: Power boost

### 3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	10cc/rev
Maximum pressure	40 kgf/cm <sup>2</sup> (570 psi)
Rated oil flow	16 l /min (4.2 U.S. gpm/3.5 U.K. gpm)

### 4) MAIN CONTROL VALVE

Item	Specification
Type	9 spools two-block
Operating method	Hydraulic pilot system
Main relief valve pressure	350 kgf/cm <sup>2</sup> (4980 psi) [380 kgf/cm <sup>2</sup> (5400 psi)]
Overload relief valve pressure	400 kgf/cm <sup>2</sup> (5690 psi)
Overload relief valve pressure (dozer & outrigger only)	280 kgf/cm <sup>2</sup> (3980 psi)

[ ]: Power boost

### 5) SWING MOTOR

Item	Specification
Type	Fixed displacement axial piston motor
Capacity	142.8 cc/rev
Relief pressure	265 kgf/cm <sup>2</sup> (3769 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	Above 76.8 kgf · m (555.5 lbf · ft)
Brake release pressure	21.2~35.7 kgf/cm <sup>2</sup> (301~508 psi)
Reduction gear type	-

### 6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement bent-axis axial piston motor
Relief pressure	380 kgf/cm <sup>2</sup> (5400 psi)
Counter balance valve	Applied
Capacity (max/min)	160/61 cc/rev

## 7) POWER TRAIN

Item	Description	Specification	
Transmission	Type	2 speed power shift transmission	
	Gear ratio	1st	4.87
		2nd	1.20
	Clutch pressure	30~32 kgf /cm <sup>2</sup> (427~455 psi)	
Parking brake	Type	Multi disc brake integrated in transmission	
	Maximum braking torque	3286 kgf · m (23768 lbf · ft)	
Axle	Type	4 wheel drive with differential	
	Gear ratio	16.0	
	Brake	Multi disc brake	
	Brake pressure	81.6 kgf /cm <sup>2</sup> (1160 psi)	
	Steering pressure	180 kgf /cm <sup>2</sup> (2560 psi)	

## 8) POWER TRAIN GEAR PUMP

Item	Description
Capacity	Steering + brake : 19.4 + 8.2 cc / rev (engine PTO) Steering + brake & rotating : 22.4 + 8.2 cc / rev (engine PTO)
Rated flow	Steering + brake : 31.0 + 13.1 L/min (engine PTO) [8.1 + 3.5 U.S.gpm / 6.8 + 2.8 U.K.gpm] Steering + brake & rotating : 35.8 + 13.1 L/min (engine PTO) [9.5 + 3.5 U.S.gpm / 7.9 + 2.8 U.K.gpm]

## 9) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	Ø 120 × Ø 85 × 1275 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Rod dia × Stroke	Ø 140 × Ø 100 × 1510 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Rod dia × Stroke	Ø 120 × Ø 85 × 1055 mm
	Cushion	Extend only
Dozer cylinder (front, rear)	Bore dia × Rod dia × Stroke	Ø 125 × Ø 75 × 252 mm
	Cushion	-
Outrigger cylinder	Bore dia × Rod dia × Stroke	Ø 130 × Ø 80 × 436 mm
	Cushion	-
Adjust cylinder	Bore dia × Rod dia × Stroke	Ø 170 × Ø 105 × 720 mm
	Cushion	-
2-piece boom cylinder	Bore dia × Rod dia × Stroke	Ø 120 × Ø 85 × 1080 mm
	Cushion	Extend only

- ※ Discoloration of cylinder rod can occur when the friction reduction additive of lubrication oil spreads on the rod surface.
- ※ Discoloration does not cause any harmful effect on the cylinder performance.

## 8. RECOMMENDED OILS

HD Hyundai Construction Equipment genuine lubricating oils have been developed to offer the best performance and service life for your equipment. These oils have been tested according to the specifications of HD Hyundai Construction Equipment and, therefore, will meet the highest safety and quality requirements. We recommend that you use only HD Hyundai Construction Equipment genuine lubricating oils and grease officially approved by HD Hyundai Construction Equipment.

Service point	Kind of fluid	Capacity ℓ (U.S. gal)	Ambient temperature °C (°F)									
			-50 (-58)	-30 (-22)	-20 (-4)	-10 (14)	0 (32)	10 (50)	20 (68)	30 (86)	40 (104)	
Engine oil pan	Engine oil	24.4 (6.4)	★SAE 0W-40									
			★SAE 5W-30									
Transmission case		2.5 (0.66)	SAE 5W-40									
			SAE 15W-40									
DEF/ AdBlue® tank	Mixture of urea and deionized water	47.5 (12.5)	ISO 22241, High-purity urea + deionized water (32.5:67.5)									
Swing drive	Gear oil	6.2 (1.6)	★SAE 75W-90									
			SAE 80W-90									
Front axle casing	Gear oil	Std : 9.6 (2.54) Wide : 13.5 (3.46)	SAE 85W-90 LSD or UTTO									
Rear axle casing		Std : 11.0 (2.91) Wide : 15.0 (3.96)										
Hub casing		2.5 (0.66) × 2										
Hydraulic tank	Hydraulic oil	Tank: 165 (43.6)	★ISO VG 15									
		System: 340 (89.8)	ISO VG 32									
			ISO VG 46, HBHO★ <sup>3</sup>									
			ISO VG 68									
Fuel tank	Diesel fuel★ <sup>1</sup>	310 (81.9)	★ASTM D975 NO.1									
			ASTM D975 NO.2									
Fitting (Grease nipple)	Grease	As required	★NLGI NO.1									
			NLGI NO.2									
Radiator (Reservoir tank)	Mixture of antifreeze and soft water★ <sup>2</sup>	40 (10.6)	Ethylene glycol base permanent type (50 : 50)									
			★Ethylene glycol base permanent type (60 : 40)									

**SAE** : Society of Automotive Engineers

**API** : American Petroleum Institute

**ISO** : International Organization for Standardization

**NLGI** : National Lubricating Grease Institute

**ASTM** : American Society of Testing and Material

**DEF** : Diesel Exhaust Fluid, DEF compatible with AdBlue®

★ : Cold region (Russia, CIS, Mongolia)

★<sup>1</sup> : Ultra low sulfur diesel  
- sulfur content ≤ 10 ppm

★<sup>2</sup> : Soft water  
City water or distilled water

★<sup>3</sup> : HD Hyundai Construction  
Equipment Bio Hydraulic Oil

※ Using any lubricating oils other than HD Hyundai Construction Equipment genuine products may lead to a deterioration of performance and cause damage to major components.

※ Do not mix HD Hyundai Construction Equipment genuine oil with any other lubricating oil as it may result in damage to the systems of major components.

※ Do not use any engine oil other than that specified above, as it may clog the diesel particulate filter(DPF).

※ For HD Hyundai Construction Equipment genuine lubricating oils and grease for use in regions with extremely low temperatures, please contact your local HD Hyundai Construction Equipment dealers.