

SECTION 1 GENERAL



Group 1 Safety Hints ..... 1-1

Group 2 Specifications ..... 1-10

## SECTION 1 GENERAL

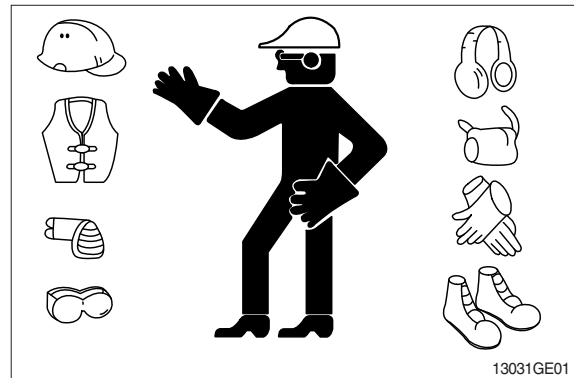
### GROUP 1 SAFETY HINTS

#### FOLLOW SAFE PROCEDURE

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

#### WEAR PROTECTIVE CLOTHING

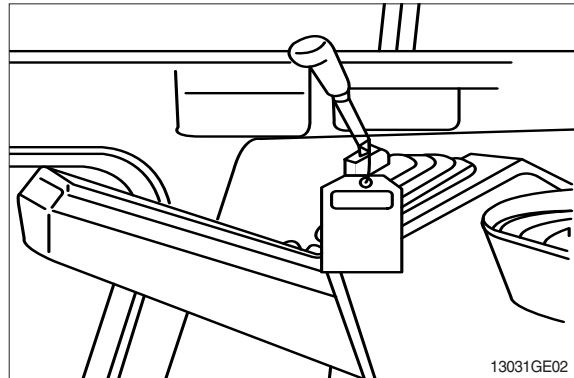
Wear close fitting clothing and safety equipment appropriate to the job.



#### 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.



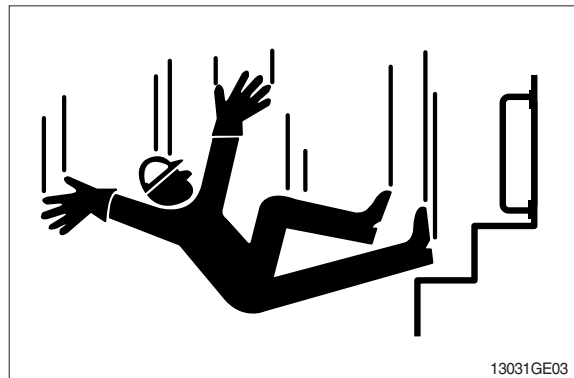
#### USE HANDHOLDS AND STEPS

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.

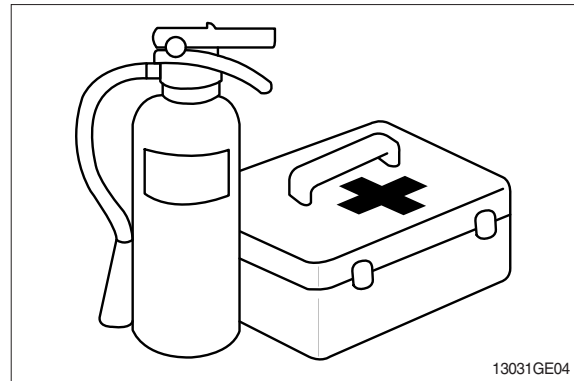


## PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

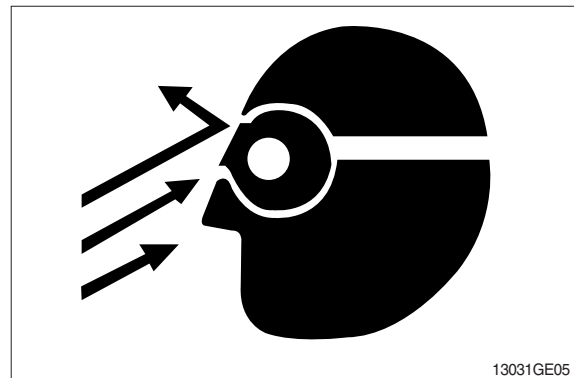
Keep a first aid kit and fire extinguisher handy.

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



## PROTECT AGAINST FLYING DEBRIS

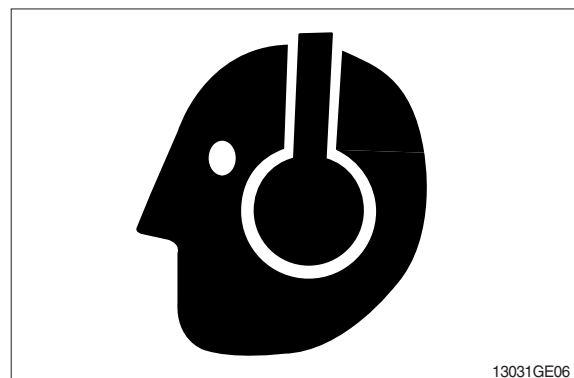
Guard against injury from flying pieces of metal or debris; Wear goggles or safety glasses.



## PROTECT AGAINST NOISE

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

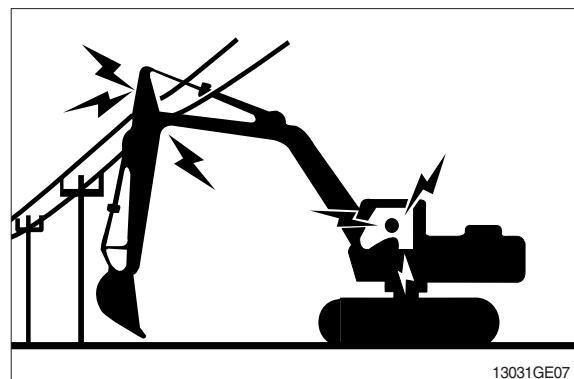
Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



## AVOID POWER LINES

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

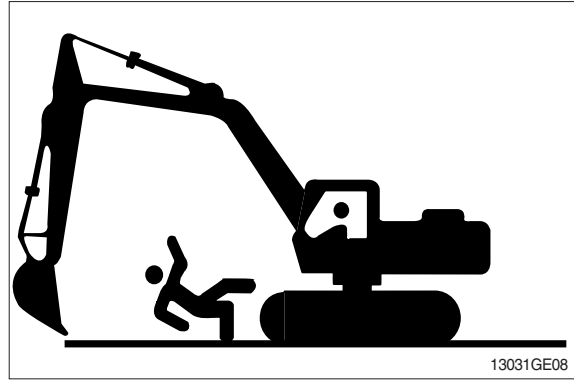
Never move any part of the machine or load closer to electric line than 3m(10ft) plus twice the line insulator length.



## 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.

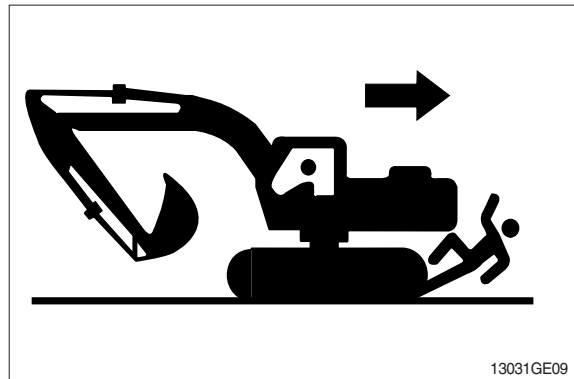


## MOVE AND OPERATE MACHINE SAFELY

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:

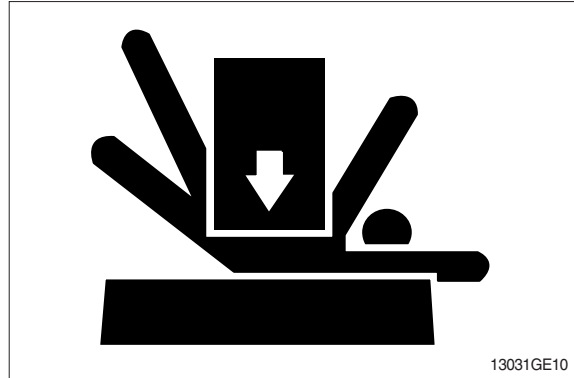
- Park machine on a level surface.
- Lower bucket to the ground.
- Turn auto idle switch off.
- Run engine at 1/2 speed without load for 2 minutes.
- Turn key switch to OFF to stop engine. Remove key from switch.
- Move pilot control shutoff lever to locked position.
- Allow engine to cool.

## 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.

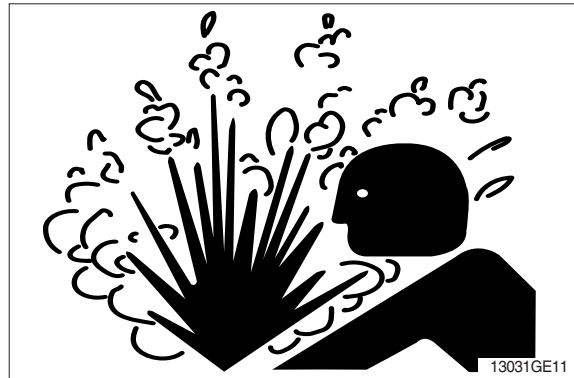
Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.



## SERVICE COOLING SYSTEM SAFELY

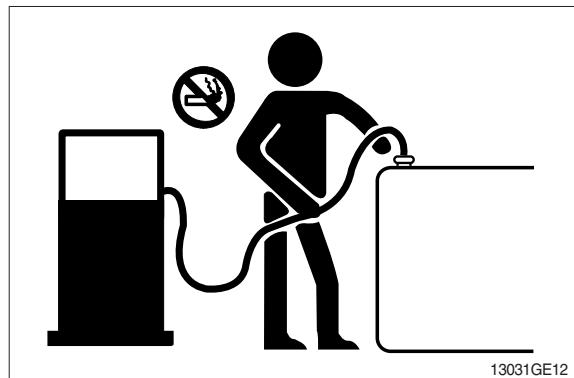
Explosive release of fluids from pressurized cooling system can cause serious burns.

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



## HANDLE FLUIDS SAFELY-AVOID FIRES

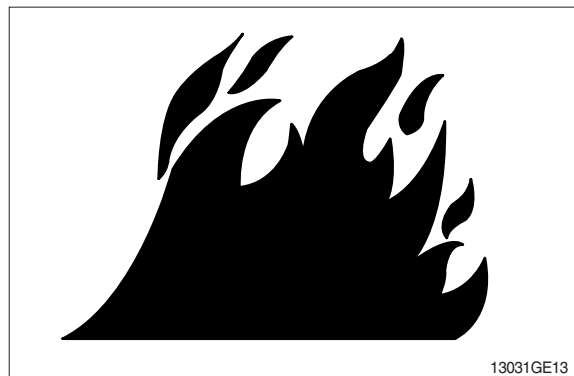
Handle fuel with care; It is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks. Always stop engine before refueling machine. Fill fuel tank outdoors.



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

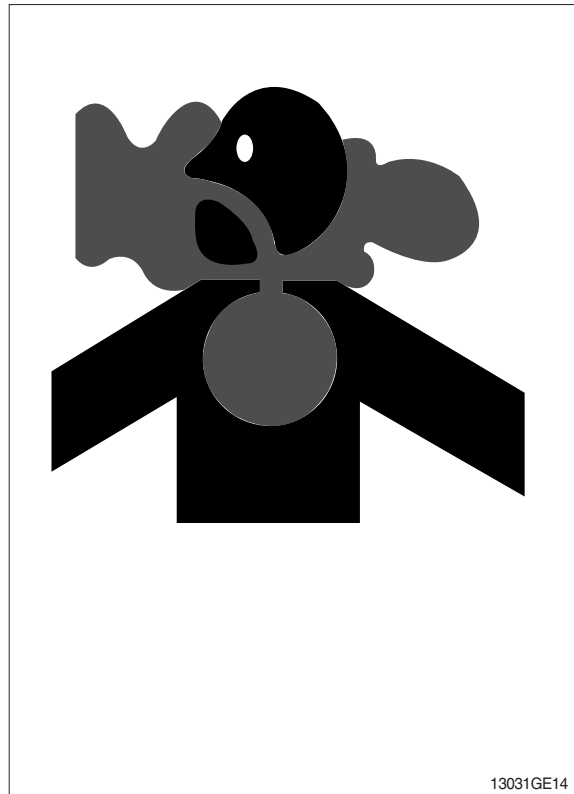
Avoid potentially toxic fumes and dust.

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

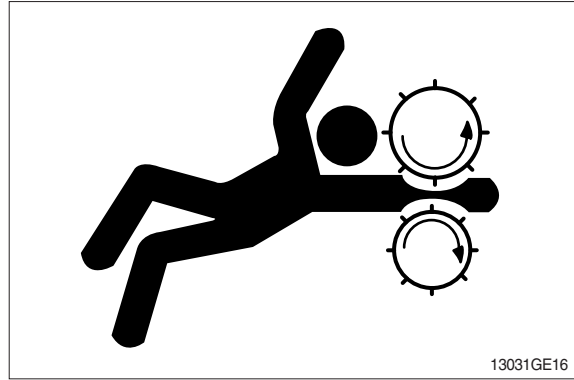
Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.



## 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.

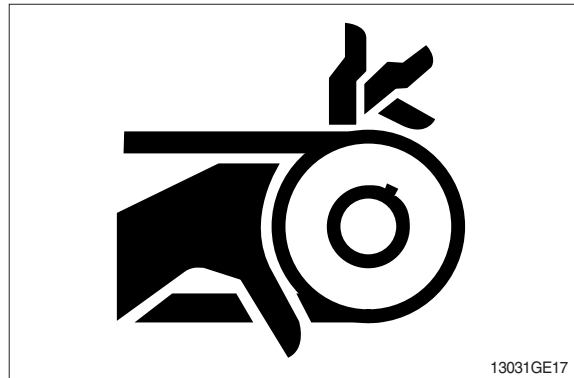
Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



## STAY CLEAR OF MOVING PARTS

Entanglements in moving parts can cause serious injury.

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



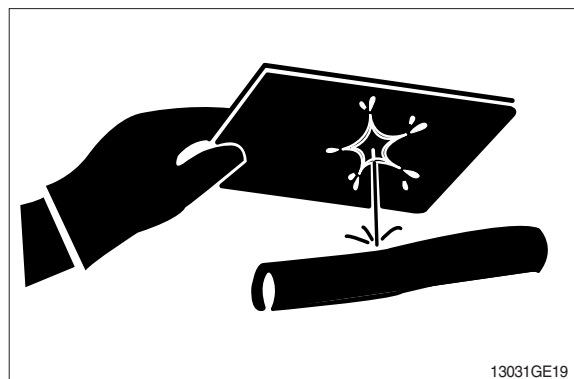
## AVOID HIGH PRESSURE FLUIDS

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:

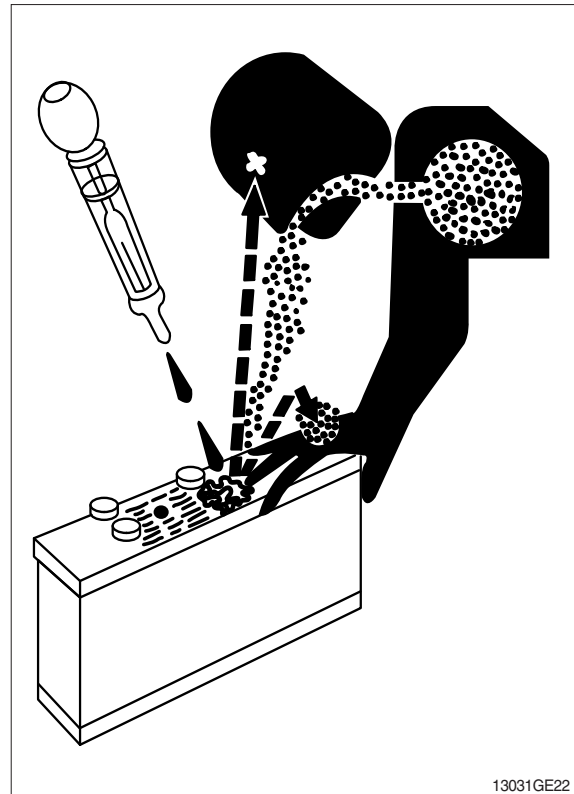
1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.
5. Use proper jump start procedure.

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.



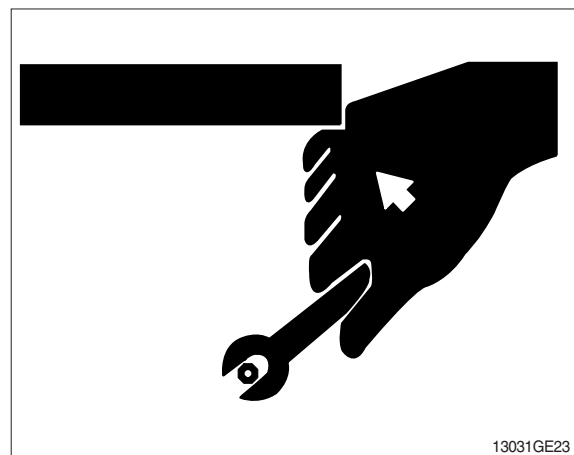
## USE TOOLS PROPERLY

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 catalogue.)

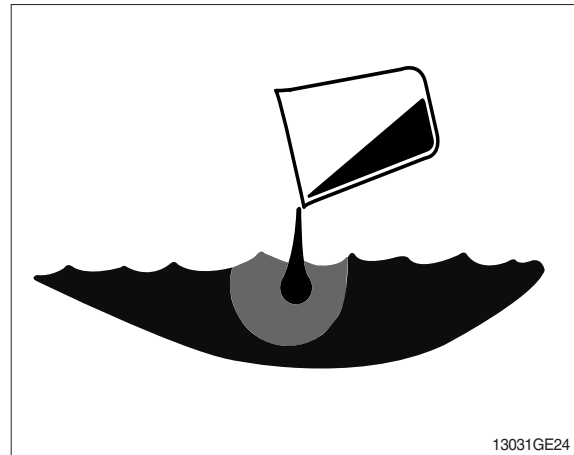


## DISPOSE OF FLUIDS PROPERLY

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.

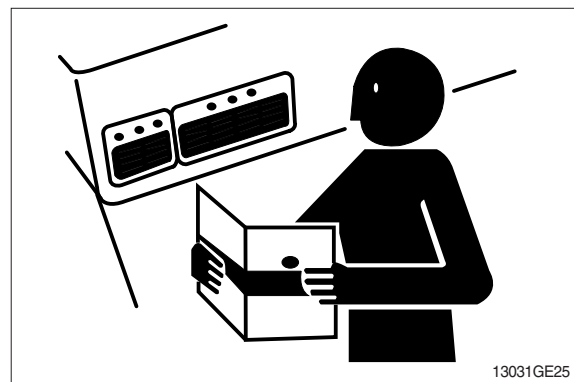
Use proper containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

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.



## REPLACE SAFETY SIGNS

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

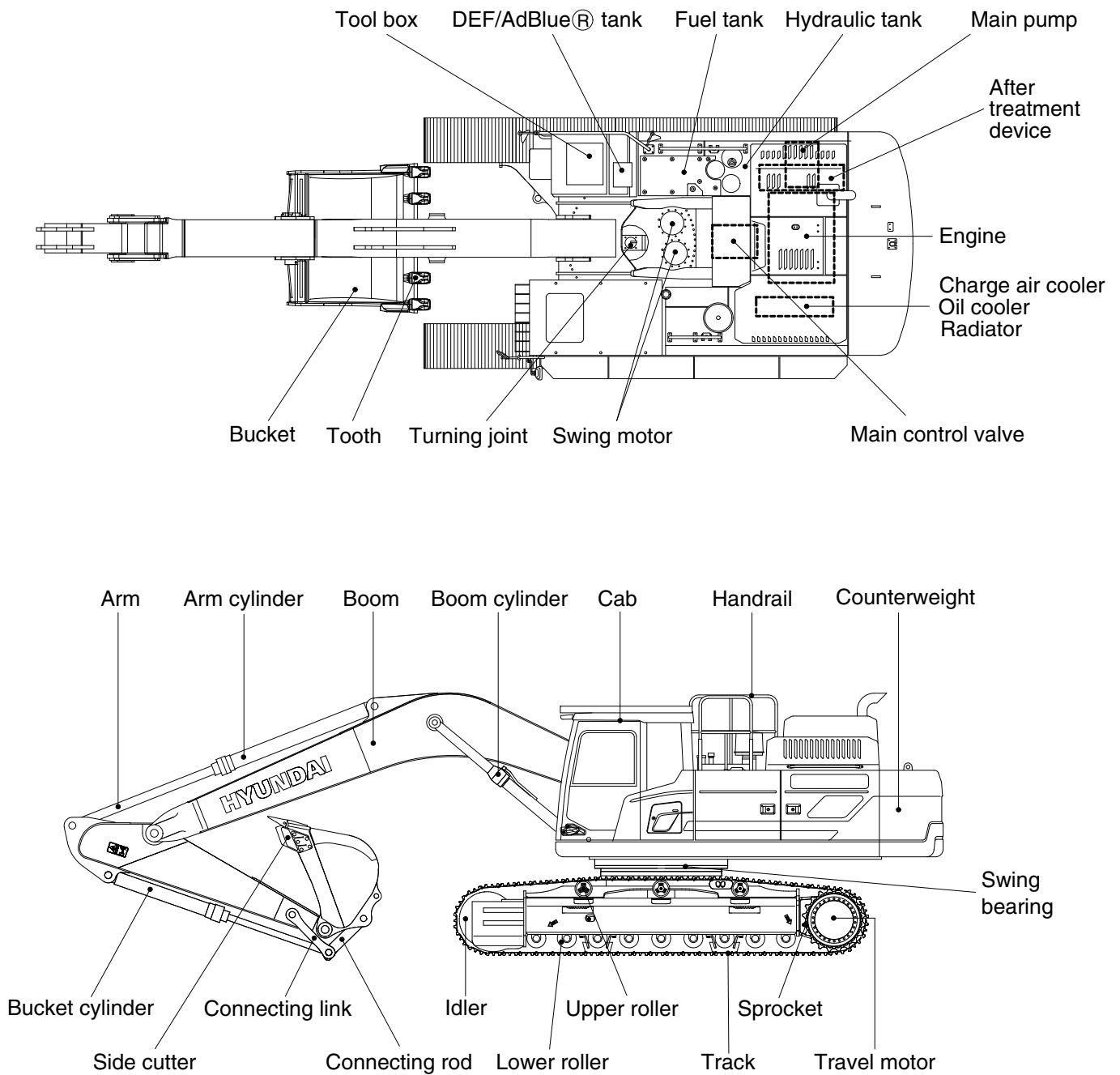


## LIVE WITH SAFETY

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

## GROUP 2 SPECIFICATIONS

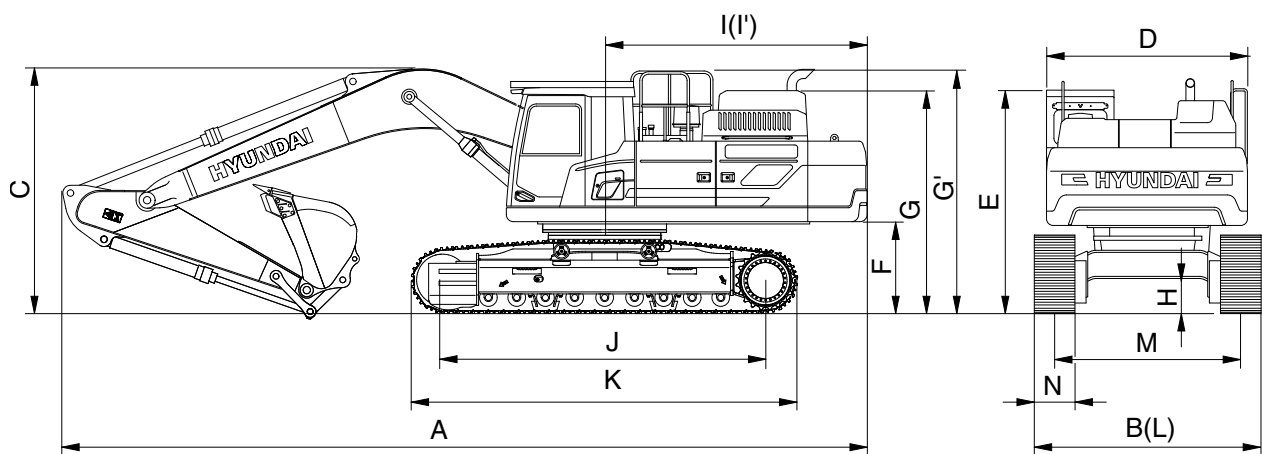
### 1. MAJOR COMPONENT



480A2SP01

## 2. SPECIFICATIONS

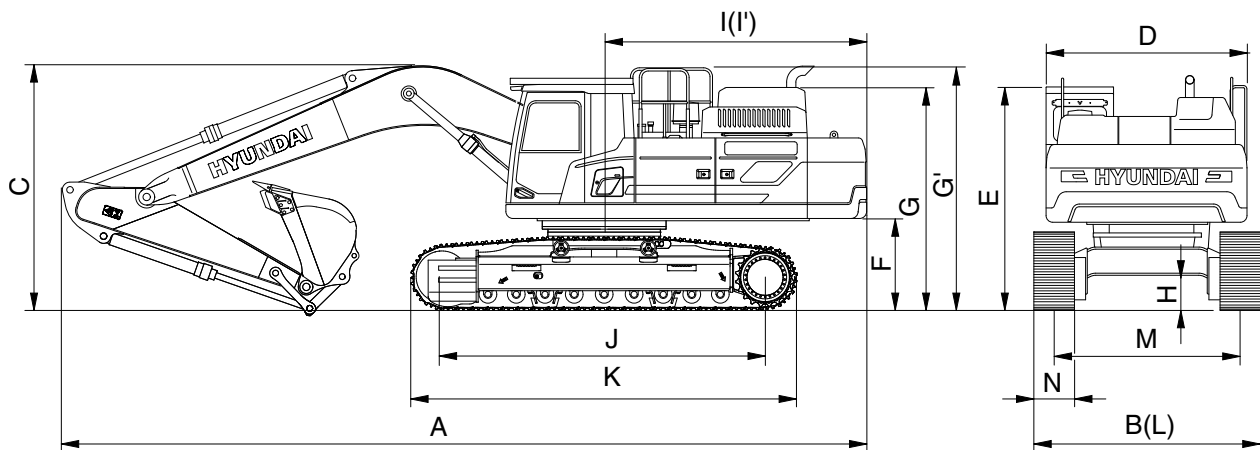
### 1) HX480A L (1/4)



480A2SP02

Description		Unit		Specification	
		m (ft-in)	Boom	7.06 (23' 2")	
			Arm	3.38 (11' 1")	
		mm (in)	Shoe	600 (24)	800 (32)
Operating weight		kg (lb)		50870 (112150)	51920 (114460)
Bucket capacity (SAE heaped), standard		m³ (yd³)		2.20 (2.88)	2.20 (2.88)
Overall length	A	mm (ft-in)	12160 (39' 11")		12160 (39' 11")
Overall width	B		3340 (10' 11")		3540 (11' 7")
Overall height of boom	C		3850 (12' 8")		3850 (12' 8")
Superstructure width	D		2980 (9' 9")		2980 (9' 9")
Overall height of cab	E		3220 (10' 7")		3220 (10' 7")
Ground clearance of counterweight	F		1300 (4' 3")		1300 (4' 3")
Overall height of engine hood	G		3016 (9' 11")		3016 (9' 11")
Overall height of handrail	G'		3450 (11' 4")		3450 (11' 4")
Minimum ground clearance	H		565 (1' 10")		565 (1' 10")
Rear-end distance	I		3745 (12' 3")		3745 (12' 3")
Rear-end swing radius	I'		3800 (12' 6")		3800 (12' 6")
Distance between tumblers	J		4470 (14' 8")		4470 (14' 8")
Undercarriage length (without grouser)	K		5416 (17' 9")		5416 (17' 9")
Undercarriage length (with grouser)			5490 (18' 0")		5490 (18' 0")
Undercarriage width	L		3340 (10' 11")		3340 (10' 11")
Track gauge	M		2740 (9' 0")		2740 (9' 0")
Track shoe width, standard	N		600 (24")		800 (32")
Travel speed (low/high)		km/hr (mph)		3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)
Swing speed		rpm		8.8	8.8
Gradeability		Degree (%)		35 (70)	35 (70)
Ground pressure		kgf/cm² (psi)		0.88 (12.6)	0.68 (9.6)
Max traction force		kg (lb)		39674 (87446)	39674 (87466)

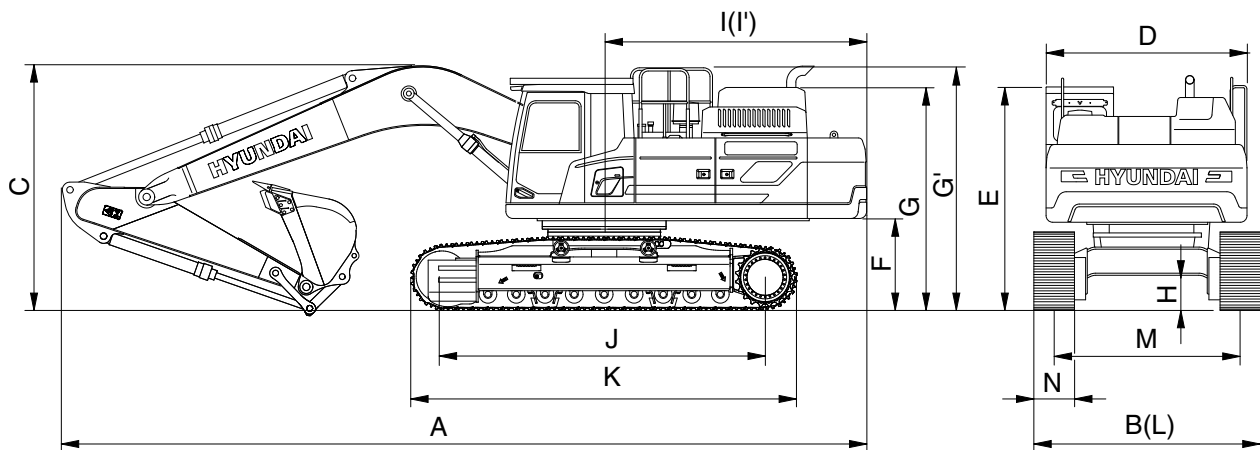
## HX480A L (2/4)



480A2SP02

Description		Unit		Specification		
		m (ft-in)	Boom	7.06 (23' 2")		
			Arm	2.90 (9' 6")	4.00 (13' 1")	2.55 (8' 4")
		mm (in)	Shoe	600 (24)		
Operating weight		kg (lb)		50850 (112100)	50920 (112260)	50690 (111750)
Bucket capacity (SAE heaped), standard		m³ (yd³)		2.20 (2.88)	2.20 (2.88)	2.20 (2.88)
Overall length	A	mm (ft-in)	12220 (40' 1")	12150 (39' 10")	12210 (40' 1")	
Overall width	B		3340 (10' 11")	3340 (10' 11")	3340 (10' 11")	
Overall height of boom	C		3850 (12' 8")	3890 (12' 9")	3790 (12' 5")	
Superstructure width	D		2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	
Overall height of cab	E		3220 (10' 7")	3220 (10' 7")	3220 (10' 7")	
Ground clearance of counterweight	F		1300 (4' 3")	1300 (4' 3")	1300 (4' 3")	
Overall height of engine hood	G		3016 (9' 11")	3016 (9' 11")	3016 (9' 11")	
Overall height of handrail	G'		3450 (11' 4")	3450 (11' 4")	3450 (11' 4")	
Minimum ground clearance	H		565 (1' 10")	565 (1' 10")	565 (1' 10")	
Rear-end distance	I		3745 (12' 3")	3745 (12' 3")	3745 (12' 3")	
Rear-end swing radius	I'		3800 (12' 6")	3800 (12' 6")	3800 (12' 6")	
Distance between tumblers	J		4470 (14' 8")	4470 (14' 8")	4470 (14' 8")	
Undercarriage length (without grouser)	K		5416 (17' 9")	5416 (17' 9")	5416 (17' 9")	
Undercarriage length (with grouser)			5490 (18' 0")	5490 (18' 0")	5490 (18' 0")	
Undercarriage width	L		3340 (10' 11")	3340 (10' 11")	3340 (10' 11")	
Track gauge	M		2740 (9' 0")	2740 (9' 0")	2740 (9' 0")	
Track shoe width, standard	N		600 (24")	600 (24")	600 (24")	
Travel speed (low/high)		km/hr (mph)	3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)	
Swing speed		rpm	8.8	8.8	8.8	
Gradeability		Degree (%)	35 (70)	35 (70)	35 (70)	
Ground pressure		kgf/cm² (psi)	0.88 (12.6)	0.88 (12.6)	0.88 (12.5)	
Max traction force		kg (lb)	39674 (87446)	39674 (87446)	39674 (87446)	

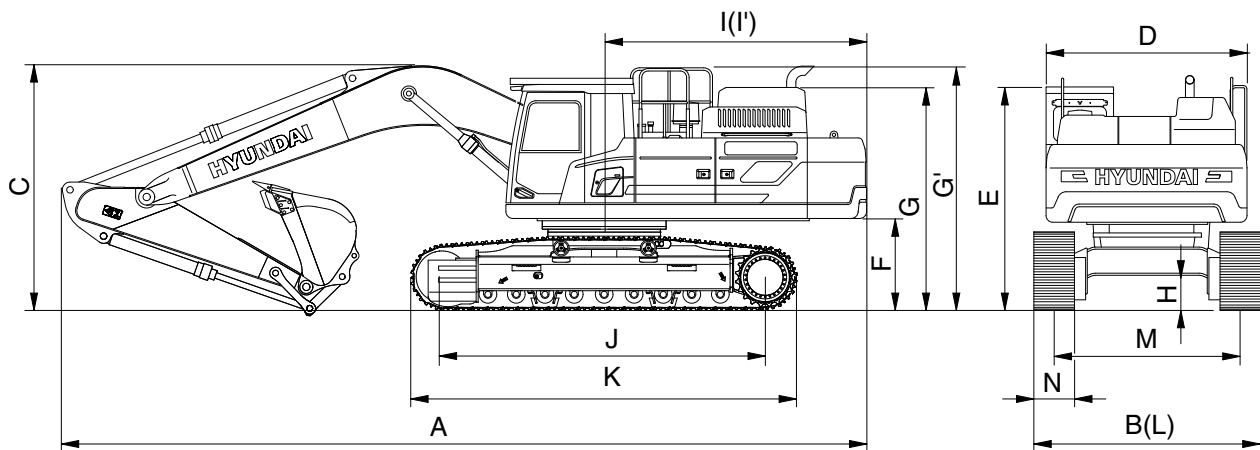
## HX480A L (3/4)



480A2SP02

Description		Unit		Specification	
		m (ft-in)	Boom	6.55 (21' 6")	
			Arm	2.90 (9' 6")	2.55 (8' 4")
		mm (in)	Shoe	600 (24)	
Operating weight		kg (lb)		50680 (111730)	50510 (111360)
Bucket capacity (SAE heaped), standard		m³ (yd³)		2.20 (2.88)	2.20 (2.88)
Overall length	A	mm (ft-in)	11690 (38' 4")		11680 (38' 4")
Overall width	B		3340 (10' 11")		3340 (10' 11")
Overall height of boom	C		3950 (13' 0")		3790 (12' 5")
Superstructure width	D		2980 (9' 9")		2980 (9' 9")
Overall height of cab	E		3220 (10' 7")		3220 (10' 7")
Ground clearance of counterweight	F		1300 (4' 3")		1300 (4' 3")
Overall height of engine hood	G		3016 (9' 11")		3016 (9' 11")
Overall height of handrail	G'		3450 (11' 4")		3450 (11' 4")
Minimum ground clearance	H		565 (1' 10")		565 (1' 10")
Rear-end distance	I		3745 (12' 3")		3745 (12' 3")
Rear-end swing radius	I'		3800 (12' 6")		3800 (12' 6")
Distance between tumblers	J		4470 (14' 8")		4470 (14' 8")
Undercarriage length (without grouser)	K		5416 (17' 9")		5416 (17' 9")
Undercarriage length (with grouser)			5490 (18' 0")		5490 (18' 0")
Undercarriage width	L		3340 (10' 11")		3340 (10' 11")
Track gauge	M		2740 (9' 0")		2740 (9' 0")
Track shoe width, standard	N		600 (24")		600 (24")
Travel speed (low/high)		km/hr (mph)		3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)
Swing speed		rpm		8.8	8.8
Gradeability		Degree (%)		35 (70)	35 (70)
Ground pressure		kgf/cm² (psi)		0.88 (12.5)	0.88 (12.5)
Max traction force		kg (lb)		39674 (87466)	39674 (87466)

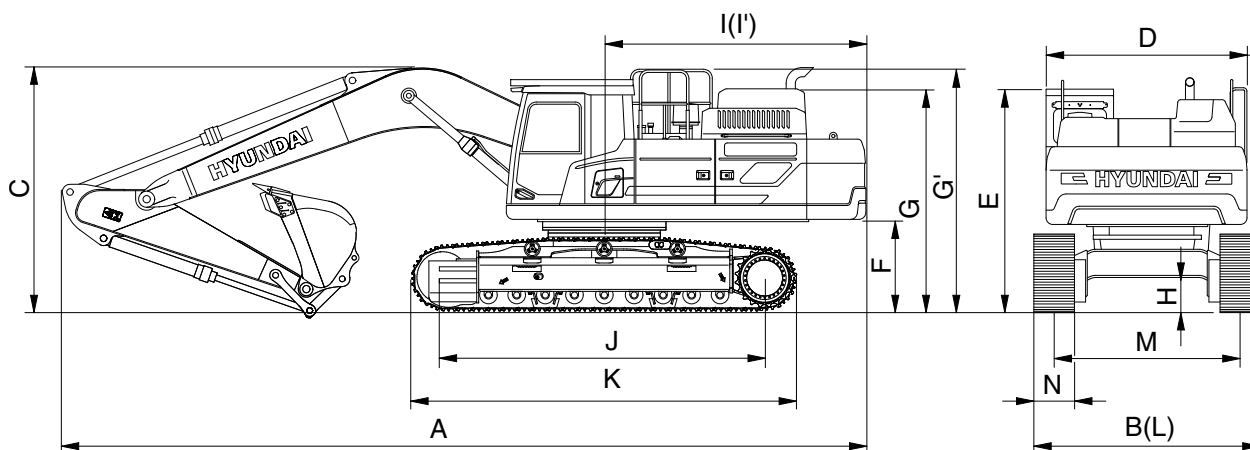
## HX480A L (4/4)



480A2SP02

Description		Unit		Specification	
		m (ft-in)	Boom	9.00 (29' 6")	
			Arm	6.00 (19' 8")	
		mm (in)	Shoe	600 (24)	
Operating weight		kg (lb)		51790 (114180)	
Bucket capacity (SAE heaped), standard		m³ (yd³)		1.38 (1.8)	
Overall length	A	mm (ft-in)	14070 (46' 2")		
Overall width	B		3340 (10' 11")		
Overall height of boom	C		3970 (13' 0")		
Superstructure width	D		2980 (9' 9")		
Overall height of cab	E		3220 (10' 7")		
Ground clearance of counterweight	F		1300 (4' 3")		
Overall height of engine hood	G		3016 (9' 11")		
Overall height of handrail	G'		3450 (11' 4")		
Minimum ground clearance	H		565 (1' 10")		
Rear-end distance	I		3745 (12' 3")		
Rear-end swing radius	I'		3800 (12' 6")		
Distance between tumblers	J		4470 (14' 8")		
Undercarriage length (without grouser)	K		5416 (17' 9")		
Undercarriage length (with grouser)			5490 (18' 0")		
Undercarriage width	L		3340 (10' 11")		
Track gauge	M		2740 (9' 0")		
Track shoe width, standard	N		600 (24")		
Travel speed (low/high)			km/hr (mph)		3.3/5.3 (2.1/3.3)
Swing speed			rpm		8.8
Gradeability			Degree (%)		35 (70)
Ground pressure		kgf/cm² (psi)		0.90 (12.8)	
Max traction force		kg (lb)		39674 (87466)	

## 2) HX520A L (1/4)

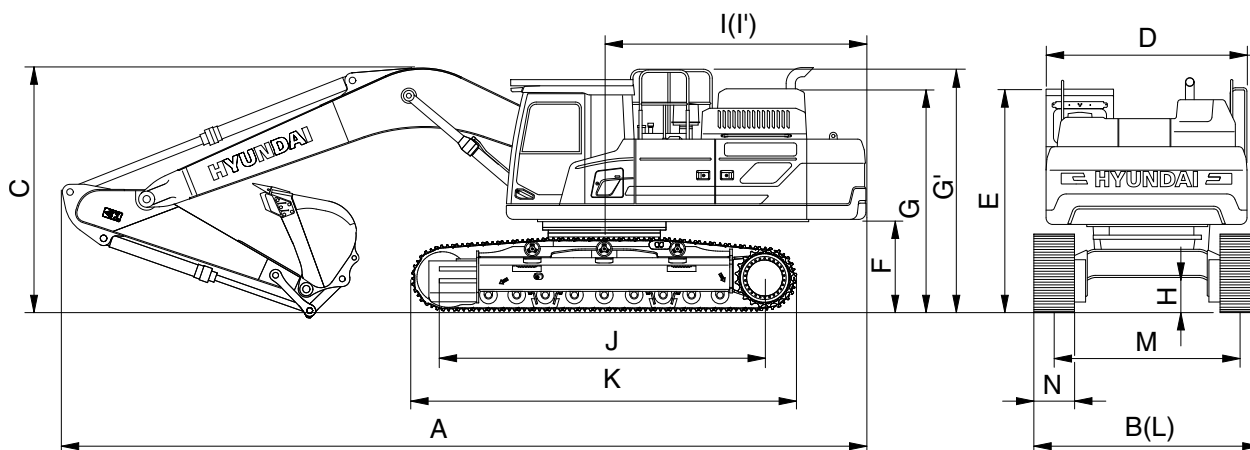


520A2SP03

Description		Unit		Specification	
		m (ft-in)	Boom	7.06 (23' 2")	
			Arm	3.38 (11' 1")	
		mm (in)	Shoe	600 (24)	800 (32)
Operating weight		kg (lb)	52900 (116620)	53950 (118940)	
Bucket capacity (SAE heaped), standard		m³ (yd³)	2.20 (2.88)	2.20 (2.88)	
Overall length	A	mm (ft-in)	12160 (39' 11")	12160 (39' 11")	
Overall width (transport position)	B		2980 (9' 9")	3180 (10' 5")	
Overall width (working position)			3540 (11' 7")	3740 (12' 3")	
Overall height of boom	C		3850 (12' 8")	3850 (12' 8")	
Superstructure width	D		2980 (9' 9")	2980 (9' 9")	
Overall height of cab	E		3365 (11' 0")	3365 (11' 0")	
Ground clearance of counterweight	F		1445 (4' 9")	1445 (4' 9")	
Overall height of engine hood	G		3310 (10' 10")	3310 (10' 10")	
Overall height of handrail	G'		3595 (11' 10")	3595 (11' 10")	
Minimum ground clearance	H		770 (2' 6")	770 (2' 6")	
Rear-end distance	I		3745 (12' 3")	3745 (12' 3")	
Rear-end swing radius	I'		3800 (12' 6")	3800 (12' 6")	
Distance between tumblers	J		4470 (14' 8")	4470 (14' 8")	
Undercarriage length (without grouser)	K		5416 (17' 9")	5416 (17' 9")	
Undercarriage length (with grouser)			5490 (18' 0")	5490 (18' 0")	
Undercarriage width (transport position)	L		2980 (9' 9")	2980 (9' 9")	
Undercarriage width (working position)			3540 (11' 7")	3540 (11' 7")	
Track gauge (transport position)	M		2380 (7' 10")	2380 (7' 10")	
Track gauge (working position)			2940 (9' 8")	2940 (9' 8")	
Track shoe width, standard	N		600 (24")	800 (32")	
Travel speed (low/high)		km/hr (mph)	3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)	
Swing speed		rpm	8.8	8.8	
Gradeability		Degree (%)	35 (70)	35 (70)	
Ground pressure		kgf/cm² (psi)	0.92 (13.1)	0.70 (10.0)	
Max traction force		kg (lb)	39674 (87466)	39674 (87466)	



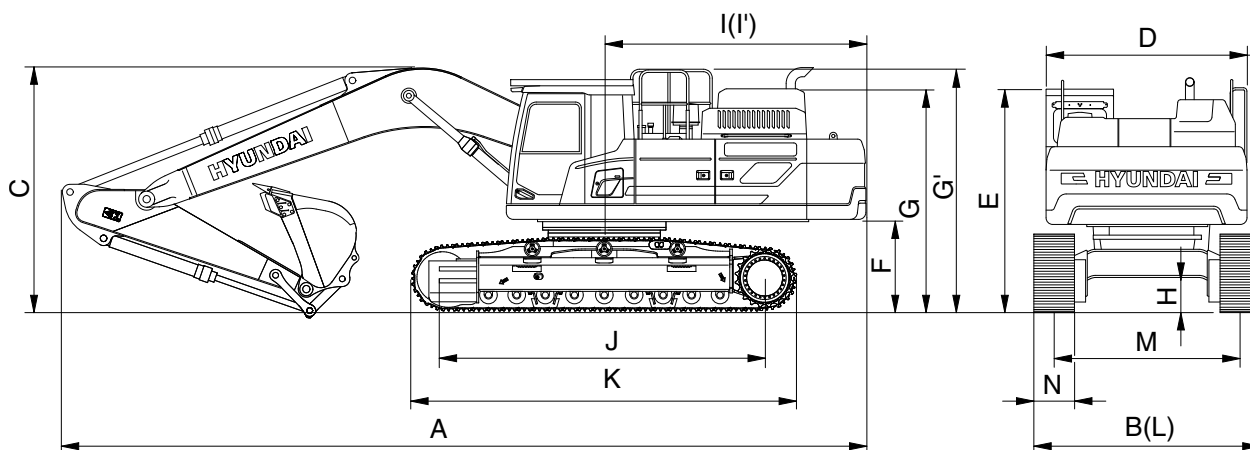
## HX520A L (2/4)



520A2SP03

Description		Unit		Specification		
		m (ft-in)	Boom	7.06 (23' 2")		
			Arm	2.90 (9' 6")	4.00 (13' 1")	2.55 (8' 4")
		mm (in)	Shoe	600 (24)		
Operating weight		kg (lb)		52830 (116470)	52880 (116580)	52650 (116070)
Bucket capacity (SAE heaped), standard		m³ (yd³)		2.20 (2.88)	2.20 (2.88)	2.20 (2.88)
Overall length	A	mm (ft-in)		12210 (40' 1")	12150 (39' 10")	12200 (40' 0")
Overall width (transport position)	B			2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Overall width (working position)				3540 (11' 7")	3540 (11' 7")	3540 (11' 7")
Overall height of boom	C			3890 (12' 9")	3980 (13' 1")	3830 (12' 7")
Superstructure width	D			2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Overall height of cab	E			3365 (11' 0")	3365 (11' 0")	3365 (11' 0")
Ground clearance of counterweight	F			1445 (4' 9")	1445 (4' 9")	1445 (4' 9")
Overall height of engine hood	G			3310 (10' 10")	3310 (10' 10")	3310 (10' 10")
Overall height of handrail	G'			3595 (11' 10")	3595 (11' 10")	3595 (11' 10")
Minimum ground clearance	H			770 (2' 6")	770 (2' 6")	770 (2' 6")
Rear-end distance	I			3745 (12' 3")	3745 (12' 3")	3745 (12' 3")
Rear-end swing radius	I'			3800 (12' 6")	3800 (12' 6")	3800 (12' 6")
Distance between tumblers	J			4470 (14' 8")	4470 (14' 8")	4470 (14' 8")
Undercarriage length (without grouser)	K			5416 (17' 9")	5416 (17' 9")	5416 (17' 9")
Undercarriage length (with grouser)				5490 (18' 0")	5490 (18' 0")	5490 (18' 0")
Undercarriage width (transport position)	L			2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Undercarriage width (working position)		3540 (11' 7")	3540 (11' 7")	3540 (11' 7")		
Track gauge (transport position)	M	2380 (7' 10")	2380 (7' 10")	2380 (7' 10")		
Track gauge (working position)		2940 (9' 8")	2940 (9' 8")	2940 (9' 8")		
Track shoe width, standard	N	600 (24")	600 (24")	600 (24")		
Travel speed (low/high)		km/hr (mph)		3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)
Swing speed		rpm		8.8	8.8	8.8
Gradeability		Degree (%)		35 (70)	35 (70)	35 (70)
Ground pressure		kgf/cm² (psi)		0.92 (13.0)	0.92 (13.1)	0.91 (13.0)
Max traction force		kg (lb)		39674 (87466)	39674 (87466)	39674 (87466)

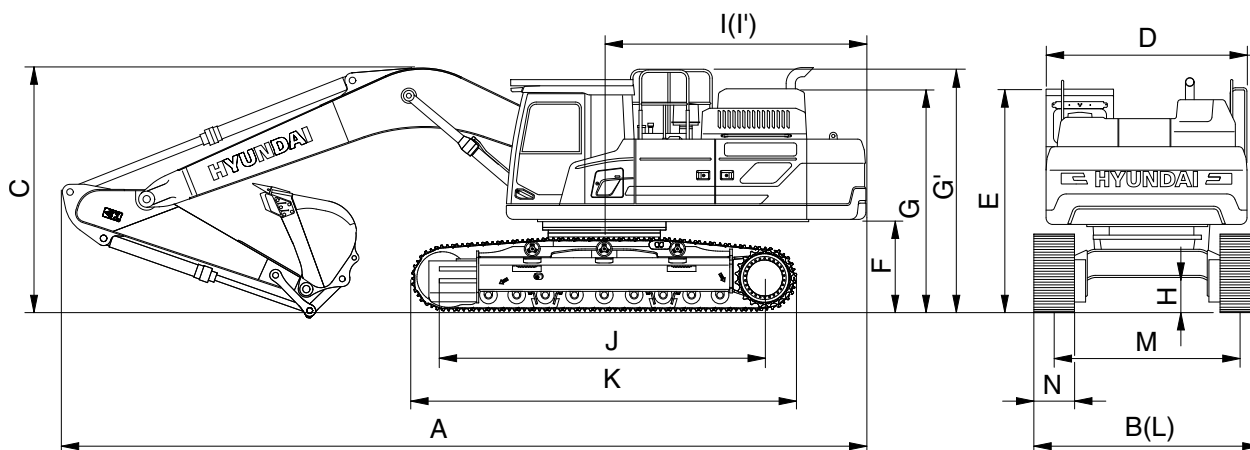
## HX520A L (3/4)



520A2SP03

Description		Unit		Specification	
		m (ft-in)	Boom	6.55 (21' 6")	
			Arm	2.90 (9' 6")	2.55 (8' 4")
		mm (in)	Shoe	600 (24)	
Operating weight		kg (lb)		52610 (115990)	52440 (115610)
Bucket capacity (SAE heaped), standard		m³ (yd³)		2.20 (2.88)	2.20 (2.88)
Overall length	A	mm (ft-in)	11690 (38' 4")		11680 (38' 4")
Overall width (transport position)	B		2980 (9' 9")		2980 (9' 9")
Overall width (working position)			3540 (11' 7")		3540 (11' 7")
Overall height of boom	C		3970 (13' 0")		3920 (12' 10")
Superstructure width	D		2980 (9' 9")		2980 (9' 9")
Overall height of cab	E		3365 (11' 0")		3365 (11' 0")
Ground clearance of counterweight	F		1445 (4' 9")		1445 (4' 9")
Overall height of engine hood	G		3310 (10' 10")		3310 (10' 10")
Overall height of handrail	G'		3595 (11' 10")		3595 (11' 10")
Minimum ground clearance	H		770 (2' 6")		770 (2' 6")
Rear-end distance	I		3745 (12' 3")		3745 (12' 3")
Rear-end swing radius	I'		3800 (12' 6")		3800 (12' 6")
Distance between tumblers	J		4470 (14' 8")		4470 (14' 8")
Undercarriage length (without grouser)	K		5416 (17' 9")		5416 (17' 9")
Undercarriage length (with grouser)			5490 (18' 0")		5490 (18' 0")
Undercarriage width (transport position)	L		2980 (9' 9")		2980 (9' 9")
Undercarriage width (working position)			3540 (11' 7")		3540 (11' 7")
Track gauge (transport position)	M		2380 (7' 10")		2380 (7' 10")
Track gauge (working position)			2940 (9' 8")		2940 (9' 8")
Track shoe width, standard	N		600 (24")		600 (24")
Travel speed (low/high)		km/hr (mph)		3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)
Swing speed		rpm		8.8	8.8
Gradeability		Degree (%)		35 (70)	35 (70)
Ground pressure		kgf/cm² (psi)		0.91 (13.0)	0.91 (12.9)
Max traction force		kg (lb)		39674 (87466)	39674 (87466)

## HX520A L (4/4)

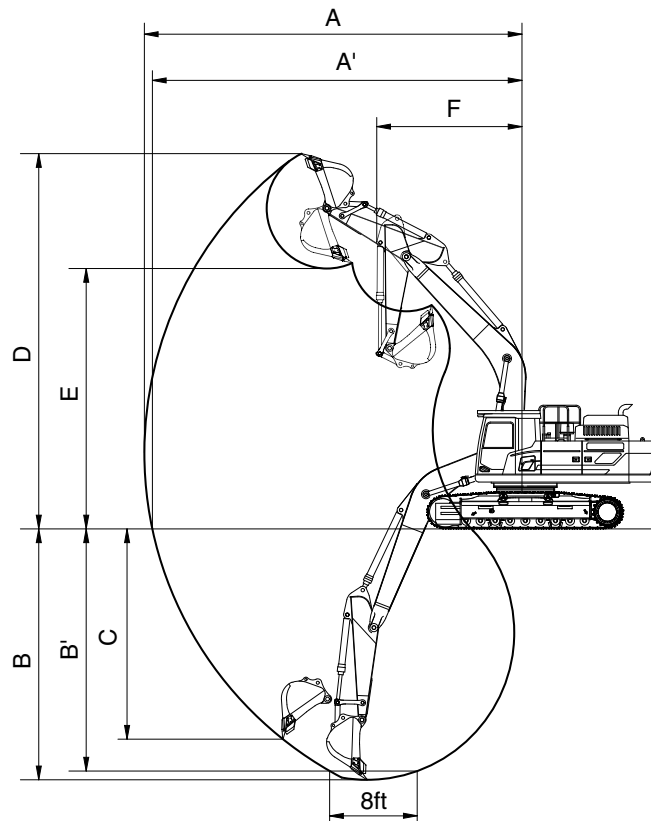


520A2SP03

Description		Unit		Specification	
		m (ft-in)	Boom	9.00 (29' 6")	
			Arm	6.00 (19' 8")	
		mm (in)	Shoe	600 (24)	
Operating weight		kg (lb)		53450 (117840)	
Bucket capacity (SAE heaped), standard		m³ (yd³)		1.38 (1.8)	
Overall length	A	mm (ft-in)	14080 (46' 2")		
Overall width (transport position)	B		2980 (9' 9")		
Overall width (working position)			3540 (11' 7")		
Overall height of boom	C		3970 (13' 0")		
Superstructure width	D		2980 (9' 9")		
Overall height of cab	E		3365 (11' 0")		
Ground clearance of counterweight	F		1445 (4' 9")		
Overall height of engine hood	G		3310 (10' 10")		
Overall height of handrail	G'		3595 (11' 10")		
Minimum ground clearance	H		770 (2' 6")		
Rear-end distance	I		3745 (12' 3")		
Rear-end swing radius	I'		3800 (12' 6")		
Distance between tumblers	J		4470 (14' 8")		
Undercarriage length (without grouser)	K		5416 (17' 9")		
Undercarriage length (with grouser)			5490 (18' 0")		
Undercarriage width (transport position)	L		2980 (9' 9")		
Undercarriage width (working position)			3540 (11' 7")		
Track gauge (transport position)	M		2380 (7' 10")		
Track gauge (working position)			2940 (9' 8")		
Track shoe width, standard	N		600 (24")		
Travel speed (low/high)			km/hr (mph)		3.3/5.3 (2.1/3.3)
Swing speed			rpm		8.8
Gradeability			Degree (%)		35 (70)
Ground pressure			kgf/cm² (psi)		0.93 (13.2)
Max traction force			kg (lb)		39674 (87466)

### 3. WORKING RANGE AND DIGGING FORCE

#### 1) HX480A L (1/2)

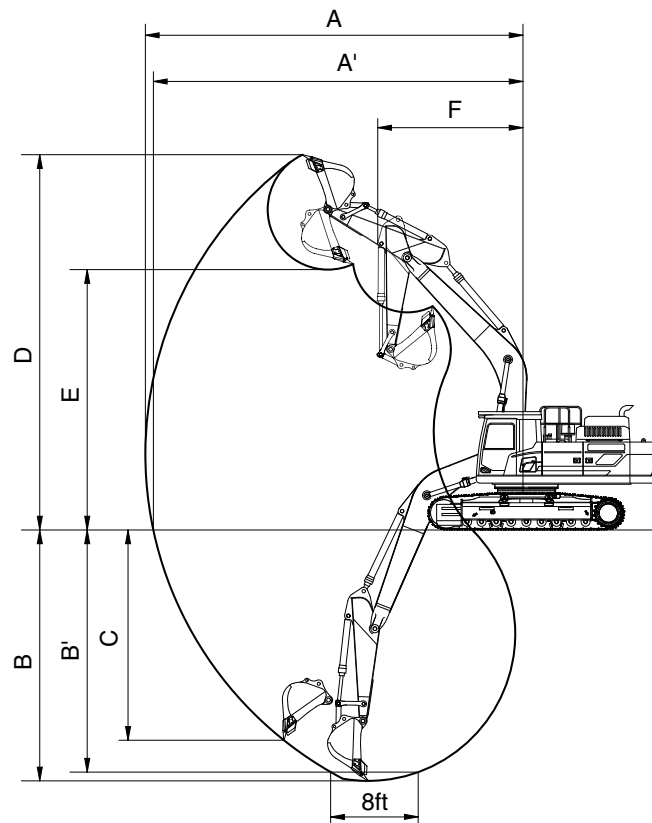


480A2SP05

Description	m (ft-in)	Boom	7.06 (23' 2")			
		Arm	2.55 (8' 4")	2.90 (9' 6")	3.38 (11' 1")	4.00 (13' 1")
Max digging reach	mm (ft-in)	A	11410 (37' 5")	11670 (38' 3")	12060 (39' 7")	12610 (41' 4")
Max digging reach on ground		A'	11190 (36' 9")	11460 (37' 7")	11850 (38' 11")	12410 (40' 9")
Max digging depth		B	6900 (22' 8")	7250 (23' 9")	7730 (25' 4")	8350 (27' 5")
Max digging depth (8 ft level)		B'	6730 (22' 1")	7090 (23' 3")	7590 (24' 11")	8220 (27' 0")
Max vertical wall digging depth		C	5280 (17' 4")	5710 (18' 9")	5490 (18' 0")	6170 (20' 3")
Max digging height		D	11070 (36' 4")	11090 (36' 5")	11060 (36' 3")	11330 (37' 2")
Max dumping height		E	7600 (24' 11")	7630 (25' 0")	7710 (25' 4")	7920 (26' 0")
Min swing radius		F	4820 (15' 10")	4880 (16' 0")	4870 (16' 0")	4630 (15' 2")
Bucket digging force	kN	SAE	212.8 [231.0]	212.8 [231.0]	212.8 [231.0]	212.8 [231.0]
	kgf		21700 [23560]	21700 [23560]	21700 [23560]	21700 [23560]
	lbf		47840 [51941]	47840 [51941]	47840 [51941]	47840 [51941]
	kN	ISO	247.1 [268.3]	247.1 [268.3]	247.1 [268.3]	247.1 [268.3]
	kgf		25200 [27360]	25200 [27360]	25200 [27360]	25200 [27360]
	lbf		55556 [60318]	55556 [60318]	55556 [60318]	55556 [60318]
Arm digging force	kN	SAE	235.4 [255.6]	218.7 [237.4]	198.1 [215.1]	173.6 [188.5]
	kgf		24000 [26060]	22300 [24210]	20200 [21930]	17700 [19220]
	lbf		52911 [57452]	49163 [53374]	44533 [48347]	39022 [42373]
	kN	ISO	246.1 [267.2]	227.5 [247.0]	205.0 [222.5]	179.5 [194.9]
	kgf		25100 [27250]	23200 [25190]	20900 [22690]	18300 [19870]
	lbf		55336 [60076]	51147 [55534]	46077 [50023]	40345 [43806]

[ ] : Power boost

## HX480A L (2/2)

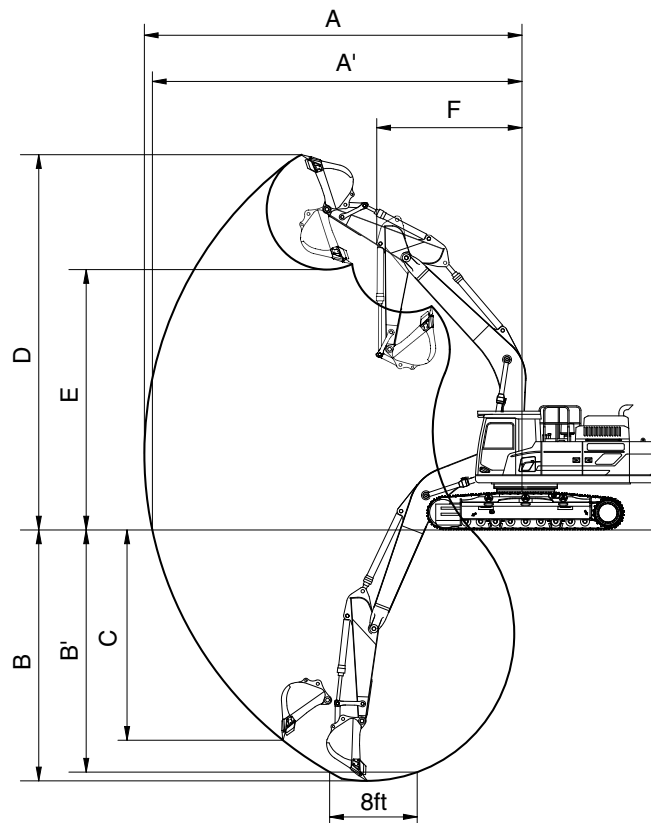


480A2SP05

Description	m (ft-in)	Boom	6.55 (21' 6")		9.00 (29' 6")
		Arm	2.90 (9' 6")	2.55 (8' 4")	6.00 (19' 8")
Max digging reach	mm (ft-in)	A	11130 (36' 6")	10870 (35' 8")	16110 (52' 10")
Max digging reach on ground		A'	10910 (35' 10")	10640 (34' 11")	15950 (52' 4")
Max digging depth		B	6810 (22' 4")	6460 (21' 2")	11710 (38' 5")
Max digging depth (8 ft level)		B'	6650 (21' 10")	6290 (20' 8")	11620 (38' 1")
Max vertical wall digging depth		C	4750 (15' 7")	4840 (15' 11")	8660 (28' 5")
Max digging height		D	10630 (34' 11")	10670 (35' 0")	13100 (43' 0")
Max dumping height		E	7240 (23' 9")	7210 (23' 8")	9800 (32' 2")
Min swing radius		F	4450 (14' 7")	4440 (14' 7")	5630 (18' 6")
Bucket digging force	kN	SAE	212.8 [231.0]	240.3 [260.9]	212.8 -
	kgf		21700 [23560]	24500 [26600]	21700 -
	lbf		47840 [51941]	54013 [58643]	47840 -
	kN	ISO	247.1 [268.3]	279.5 [303.4]	247.1 -
	kgf		25200 [27360]	28500 [30940]	25200 -
	lbf		55556 [60318]	62832 [68211]	55556 -
Arm digging force	kN	SAE	218.7 [237.4]	235.4 [255.6]	127.5 -
	kgf		22300 [24210]	24000 [26060]	13000 -
	lbf		49163 [53374]	52911 [57452]	28660 -
	kN	ISO	227.5 [247.0]	246.1 [267.2]	130.4 -
	kgf		23200 [25190]	25100 [27250]	13300 -
	lbf		51147 [55534]	55336 [60076]	29321 -

[ ] : Power boost

## 2) HX520A L (1/2)

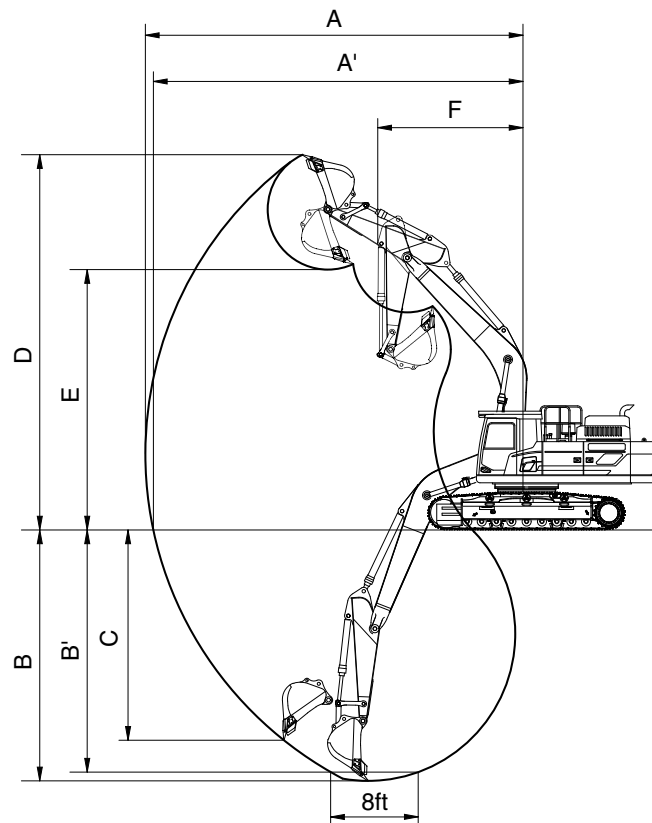


520A2SP06

Description	m (ft-in)	Boom	7.06 (23' 2")			
		Arm	2.55 (8' 4")	2.90 (9' 6")	3.38 (11' 1")	4.00 (13' 1")
Max digging reach	mm (ft-in)	A	11410 (37' 5")	11670 (38' 3")	12060 (39' 7")	12610 (41' 4")
Max digging reach on ground		A'	11170 (36' 8")	11440 (37' 6")	11840 (38' 10")	12400 (40' 8")
Max digging depth		B	6820 (22' 5")	7170 (23' 6")	7650 (25' 1")	8270 (27' 2")
Max digging depth (8 ft level)		B'	6650 (21' 10")	7010 (23' 0")	7510 (24' 8")	8140 (26' 8")
Max vertical wall digging depth		C	5200 (17' 1")	5630 (18' 6")	5410 (17' 9")	6090 (20' 0")
Max digging height		D	11150 (36' 7")	11170 (36' 8")	11140 (36' 7")	11410 (37' 5")
Max dumping height		E	7680 (25' 2")	7710 (25' 4")	7790 (25' 7")	8000 (26' 3")
Min swing radius		F	4820 (15' 10")	4880 (16' 0")	4870 (16' 0")	4630 (15' 2")
Bucket digging force	kN	SAE	240.3 [260.9]	240.3 [260.9]	240.3 [260.9]	240.3 [260.9]
	kgf		24500 [26600]	24500 [26600]	24500 [26600]	24500 [26600]
	lbf		54013 [58643]	54013 [58643]	54013 [58643]	54013 [58643]
	kN	ISO	279.5 [303.4]	279.5 [303.4]	279.5 [303.4]	279.5 [303.4]
	kgf		28500 [30940]	28500 [30940]	28500 [30940]	28500 [30940]
	lbf		62832 [68211]	62832 [68211]	62832 [68211]	62832 [68211]
Arm digging force	kN	SAE	235.4 [255.6]	218.7 [237.4]	198.1 [215.1]	173.6 [188.5]
	kgf		24000 [26060]	22300 [24210]	20200 [21930]	17700 [19220]
	lbf		52911 [57452]	49163 [53374]	44533 [48347]	39022 [42373]
	kN	ISO	246.1 [267.2]	227.5 [247.0]	205.0 [222.5]	179.5 [194.9]
	kgf		25100 [27250]	23200 [25190]	20900 [22690]	18300 [19870]
	lbf		55336 [60076]	51147 [55534]	46077 [50023]	40345 [43806]

[ ] : Power boost

## HX520A L (2/2)



520A2SP06

Description	m (ft-in)	Boom	6.55 (21' 6")		9.00 (29' 6")
		Arm	2.90 (9' 6")	2.55 (8' 4")	6.00 (19' 8")
Max digging reach	mm (ft-in)	A	11130 (36' 6")	10870 (35' 8")	16110 (52' 10")
Max digging reach on ground		A'	10890 (35' 9")	10610 (34' 10")	15940 (52' 4")
Max digging depth		B	6730 (22' 1")	6380 (20' 11")	11550 (37' 11")
Max digging depth (8 ft level)		B'	6570 (21' 7")	6210 (20' 4")	11450 (37' 7")
Max vertical wall digging depth		C	4820 (15' 10")	4760 (15' 7")	8580 (28' 2")
Max digging height		D	10710 (35' 2")	10760 (35' 4")	13180 (43' 3")
Max dumping height		E	7320 (24' 0")	7290 (23' 11")	9880 (32' 5")
Min swing radius		F	4450 (14' 7")	4440 (14' 7")	5630 (18' 6")
Bucket digging force	kN	SAE	240.3 [260.9]	240.3 [260.9]	212.8 -
	kgf		24500 [26600]	24500 [26600]	21700 -
	lbf		54013 [58643]	54013 [58643]	47840 -
	kN	ISO	279.5 [303.4]	279.5 [303.4]	247.1 -
	kgf		28500 [30940]	28500 [30940]	25200 -
	lbf		62832 [68211]	62832 [68211]	55556 -
Arm digging force	kN	SAE	218.7 [237.4]	235.4 [255.6]	127.5 -
	kgf		22300 [24210]	24000 [26060]	13000 -
	lbf		49163 [53374]	52911 [57452]	28660 -
	kN	ISO	227.5 [247.0]	246.1 [267.2]	130.4 -
	kgf		23200 [25190]	25100 [27250]	13300 -
	lbf		51147 [55534]	55336 [60076]	29321 -

[ ] : Power boost

## 4. WEIGHT

Item	HX480A L		HX520A L	
	kg	lb	kg	lb
Upperstructure assembly				
· Main frame weld assembly	4,334	9,555	4,334	9,555
· Engine assembly	860	1,896	860	1,896
· Aftertreatment assembly	149	328	149	328
· Main pump assembly	194	428	194	428
· Main control valve assembly	421	928	421	928
· Swing motor assembly	680	1,499	680	1,499
· Hydraulic oil tank WA	290	639	290	639
· Fuel tank WA	347	765	347	765
· Counterweight	9,200	20,282	10,200	22,487
· Cab assembly	495	1,092	495	1,092
Lower chassis assembly				
· Track frame weld assembly	7,107	15,668	7,888	17,390
· Swing bearing	719	1,585	719	1,585
· Travel motor assembly (2EA)	1,264	2,787	1,264	2,787
· Turning joint	96	212	96	212
· Sprocket (2EA)	188	415	188	415
· Track recoil spring (2EA)	653	1,440	653	1,440
· Idler (2EA)	639	1,408	639	1,408
· Upper roller (HX480LA - 4EA / HX520LA - 4EA / 6EA)	350.92	774	243.84	538
· Lower roller (18EA)	1,579	3,481	1,531	3,375
· Track-chain assembly (600 mm triple grouser shoe) (2EA)	5,534	12,200	5,534	12,200
· Track-chain assembly (700 mm triple grouser shoe) (2EA)	6,054	13,347	6,054	13,347
· Track-chain assembly (800 mm triple grouser shoe) (2EA)	6,584	14,515	6,584	14,515
· Track-chain assembly (900 mm triple grouser shoe) (2EA)	7,092	15,635	-	
· Track-chain assembly (600 mm double grouser shoe) (2EA)	5,566	12,271	5,566	12,271
· Track-chain assembly (700 mm double grouser shoe) (2EA)	6,096	13,439	6,096	13,439
Front attachment assembly				
· 7.06 m boom assembly	3,640	8,025	3,640	8,025
· 3.38 m arm assembly	1,845	4,067	1,845	4,067
· 2.20 m³ SAE heaped bucket	2,020	4,453	2,020	4,453
· Boom cylinder assembly (2EA)	370	816	370	816
· Arm cylinder assembly	589	1,299	589	1,299
· Bucket cylinder assembly	363	800	363	800
· Bucket control linkage total	280	617	280	617

※ This information is different with operating and transportation weight because it is not including harness, pipe, oil, fuel so on.

※ Refer to Transportation for actual weight information and Specifications for operating weight.

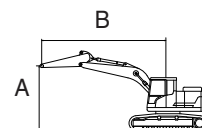














## 5. LIFTING CAPACITIES

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	3380	9200	600	-	-	-	-	-

·  : 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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb							*9510 *20970	*9510 *20970			*9450 *20830	*9450 *20830	7.51 (24.6)
7.5 m (24.6 ft)	kg lb							*10350 *22820	*10350 *22820			*8950 *19730	8370 18450	8.65 (28.4)
6.0 m (19.7 ft)	kg lb							*10850 *23920	10480 23100	*9990 *22020	7740 17060	*8830 *19470	7130 15720	9.41 (30.9)
4.5 m (14.8 ft)	kg lb			*18480 *40740	*18480 *40740	*14010 *30890	*14010 *30890	*11700 *25790	10060 22180	*10330 *22770	7540 16620	*8960 *19750	6420 14150	9.89 (32.5)
3.0 m (9.8 ft)	kg lb					*15810 *34860	13210 29120	*12650 *27890	9580 21120	*10790 *23790	7290 16070	*9350 *20610	6040 13320	10.12 (33.2)
1.5 m (4.9 ft)	kg lb					*17100 *37700	12500 27560	*13410 *29560	9160 20190	*11150 *24580	7050 15540	*9890 *21800	5910 13030	10.13 (33.2)
0.0 m (0.0 ft)	kg lb			*17130 *37770	*17130 *37770	*17540 *38670	12080 26630	*13740 *30290	8860 19530	*11240 *24780	6880 15170	*9970 *21980	6010 13250	9.91 (32.5)
-1.5 m (-4.9 ft)	kg lb	*12220 *26940	*12220 *26940	*22260 *49070	18360 40480	*17080 *37650	11920 26280	*13470 *29700	8730 19250	*10780 *23770	6820 15040	*10000 *22050	6400 14110	9.44 (31.0)
-3.0 m (-9.8 ft)	kg lb	*20690 *45610	*20690 *45610	*19920 *43920	18560 40920	*15660 *34520	11980 26410	*12340 *27210	8760 19310			*9900 *21830	7230 15940	8.69 (28.5)
-4.5 m (-14.8 ft)	kg lb	*19790 *43630	*19790 *43630	*16250 *35830	*16250 *35830	*12920 *28480	12250 27010	*9580 *21120	9040 19930			*9390 *20700	8940 19710	7.57 (24.8)

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.

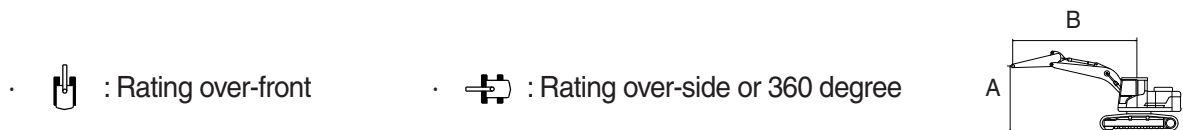
The difference between the weight of a work tool attachment must be subtracted.













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		Outtriger	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	2550	9200	600	-	-	-	-	-



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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb											*12380 *27290	*12380 *27290	6.60 (21.6)
7.5 m (24.6 ft)	kg lb							*11560 *25490	10500 23150			*11490 *25330	9630 21230	7.87 (25.8)
6.0 m (19.7 ft)	kg lb					*13640 *30070	*13640 *30070	*11840 *26100	10300 22710			*11100 *24470	8030 17700	8.71 (28.6)
4.5 m (14.8 ft)	kg lb					*15260 *33640	13770 30360	*12560 *27690	9920 21870	*11060 *24380	7470 16470	*10910 *24050	7170 15810	9.22 (30.3)
3.0 m (9.8 ft)	kg lb					*16820 *37080	12950 28550	*13340 *29410	9490 20920	*11320 *24960	7280 16050	*10840 *23900	6730 14840	9.47 (31.1)
1.5 m (4.9 ft)	kg lb					*17670 *38960	12390 27320	*13860 *30560	9150 20170	*11470 *25290	7100 15650	*10810 *23830	6600 14550	9.48 (31.1)
0.0 m (0.0 ft)	kg lb					*17570 *38740	12130 26740	*13880 *30600	8940 19710	*11210 *24710	7010 15450	*10770 *23740	6770 14930	9.24 (30.3)
-1.5 m (-4.9 ft)	kg lb			*20510 *45220	18740 41310	*16560 *36510	12110 26700	*13170 *29030	8900 19620			*10610 *23390	7320 16140	8.74 (28.7)
-3.0 m (-9.8 ft)	kg lb	*19190 *42310	*19190 *42310	*17720 *39070	*17720 *39070	*14510 *31990	12280 27070	*11260 *24820	9060 19970			*10150 *22380	8480 18700	7.92 (26.0)
-4.5 m (-14.8 ft)	kg lb			*13240 *29190	*13240 *29190	*10610 *23390	*10610 *23390					*8830 *19470	*8830 *19470	6.66 (21.9)

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.

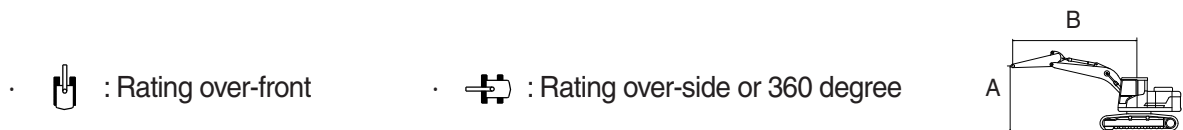
The difference between the weight of a work tool attachment must be subtracted.













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		Outtriger	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	2900	9200	600	-	-	-	-	-



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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb											*11510 *25380	*11510 *25380	6.97 (22.9)
7.5 m (24.6 ft)	kg lb							*10980 *24210	10580 23320			*10810 *23830	9050 19950	8.19 (26.9)
6.0 m (19.7 ft)	kg lb					*13030 *28730	*13030 *28730	*11370 *25070	10330 22770			*10500 *23150	7610 16780	8.99 (29.5)
4.5 m (14.8 ft)	kg lb			*19780 *43610	*19780 *43610	*14660 *32320	13840 30510	*12140 *26760	9910 21850	*10690 *23570	7450 16420	*10370 *22860	6810 15010	9.49 (31.1)
3.0 m (9.8 ft)	kg lb					*16310 *35960	12960 28570	*12980 *28620	9450 20830	*11040 *24340	7220 15920	*10340 *22800	6390 14090	9.74 (31.9)
1.5 m (4.9 ft)	kg lb					*17350 *38250	12310 27140	*13600 *29980	9070 20000	*11280 *24870	7010 15450	*10360 *22840	6250 13780	9.74 (32.0)
0.0 m (0.0 ft)	kg lb			*14480 *31920	*14480 *31920	*17470 *38510	11980 26410	*13750 *30310	8820 19440	*11190 *24670	6880 15170	*10380 *22880	6390 14090	9.51 (31.2)
-1.5 m (-4.9 ft)	kg lb			*21210 *46760	18400 40570	*16700 *36820	11910 26260	*13230 *29170	8740 19270	*10370 *22860	6880 15170	*10320 *22750	6860 15120	9.02 (29.6)
-3.0 m (-9.8 ft)	kg lb	*21630 *47690	*21630 *47690	*18580 *40960	*18580 *40960	*14930 *32910	12040 26540	*11720 *25840	8840 19490			*10040 *22130	7870 17350	8.23 (27.0)
-4.5 m (-14.8 ft)	kg lb			*14450 *31860	*14450 *31860	*11610 *25600	*11610 *25600					*9130 *20130	*9130 *20130	7.04 (23.1)

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.

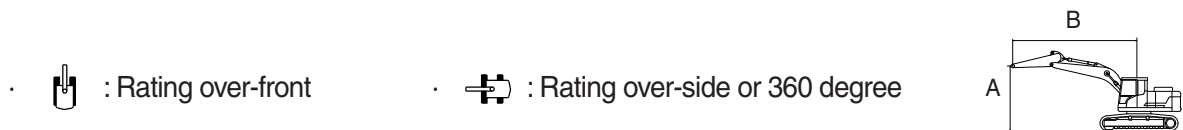
The difference between the weight of a work tool attachment must be subtracted.













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

▲ 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	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	3380	9200	800	-	-	-	-	-



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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb							*9510 *20970	*9510 *20970			*9450 *20830	*9450 *20830	7.51 (24.6)
7.5 m (24.6 ft)	kg lb							*10350 *22820	*10350 *22820			*8950 *19730	8570 18890	8.65 (28.4)
6.0 m (19.7 ft)	kg lb							*10850 *23920	10720 23630	*9990 *22020	7920 17460	*8830 *19470	7310 16120	9.41 (30.9)
4.5 m (14.8 ft)	kg lb			*18480 *40740	*18480 *40740	*14010 *30890	*14010 *30890	*11700 *25790	10290 22690	*10330 *22770	7730 17040	*8960 *19750	6590 14530	9.89 (32.5)
3.0 m (9.8 ft)	kg lb					*15810 *34860	13530 29830	*12650 *27890	9810 21630	*10790 *23790	7480 16490	*9350 *20610	6210 13690	10.12 (33.2)
1.5 m (4.9 ft)	kg lb					*17100 *37700	12810 28240	*13410 *29560	9390 20700	*11150 *24580	7240 15960	*9890 *21800	6070 13380	10.13 (33.2)
0.0 m (0.0 ft)	kg lb			*17130 *37770	*17130 *37770	*17540 *38670	12390 27320	*13740 *30290	9100 20060	*11240 *24780	7070 15590	*9970 *21980	6180 13620	9.91 (32.5)
-1.5 m (-4.9 ft)	kg lb	*12220 *26940	*12220 *26940	*22260 *49070	18830 41510	*17080 *37650	12240 26980	*13470 *29700	8970 19780	*10780 *23770	7000 15430	*10000 *22050	6580 14510	9.44 (31.0)
-3.0 m (-9.8 ft)	kg lb	*20690 *45610	*20690 *45610	*19920 *43920	19030 41950	*15660 *34520	12290 27090	*12340 *27210	9000 19840			*9900 *21830	7430 16380	8.69 (28.5)
-4.5 m (-14.8 ft)	kg lb	*19790 *43630	*19790 *43630	*16250 *35830	*16250 *35830	*12920 *28480	12570 27710	*9580 *21120	9280 20460			*9390 *20700	9170 20220	7.57 (24.8)

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.

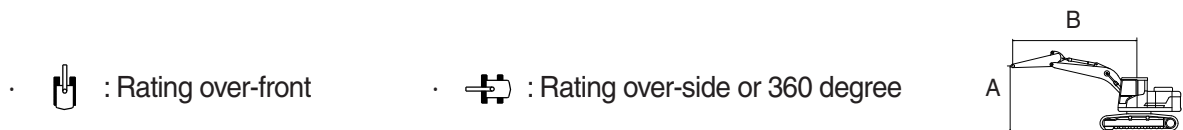
The difference between the weight of a work tool attachment must be subtracted.

















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		Outtriger	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	4000	9200	600	-	-	-	-	-



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)		9.0 m (29.5 ft)		10.5 m (34.4 ft)		Capacity		Reach
																		m (ft)
9.0m	kg															*7340	*7340	8.24
29.5ft	lb															*16180	*16180	(27.0)
7.5m	kg											*8410	8030			*7010	*7010	9.29
24.6ft	lb											*18540	17700			*15450	*15450	(30.5)
6.0m	kg									*10200	*10200	*9450	7920			*6930	6560	10.01
19.7ft	lb									*22490	*22490	*20830	17460			*15280	14460	(32.8)
4.5m	kg							*13140	*13140	*11140	10280	*9910	7700			*7030	5960	10.46
14.8ft	lb							*28970	*28970	*24560	22660	*21850	16980			*15500	13140	(34.3)
3.0m	kg					*20800	20710	*15100	13570	*12210	9780	*10480	7420	*8720	5790	*7320	5630	10.68
9.8ft	lb					*45860	45660	*33290	29920	*26920	21560	*23100	16360	*19220	12760	*16140	12410	(35.0)
1.5m	kg					*20070	19240	*16700	12770	*13140	9320	*10990	7150	*9480	5660	*7820	5510	10.68
4.9ft	lb					*44250	42420	*36820	28150	*28970	20550	*24230	15760	*20900	12480	*17240	12150	(35.0)
0.0m	kg					*19100	18580	*17520	12250	*13700	8980	*11260	6950			*8600	5580	10.47
0.0ft	lb					*42110	40960	*38620	27010	*30200	19800	*24820	15320			*18960	12300	(34.4)
-1.5m	kg			*12230	*12230	*23290	18400	*17450	12000	*13710	8780	*11110	6830			*9540	5890	10.03
-4.9ft	lb			*26960	*26960	*51350	40570	*38470	26460	*30230	19360	*24490	15060			*21030	12990	(32.9)
-3.0m	kg	*14130	*14130	*18540	*18540	*21430	18500	*16470	11980	*12980	8750	*10210	6850			*9570	6540	9.33
-9.8ft	lb	*31150	*31150	*40870	*40870	*47250	40790	*36310	26410	*28620	19290	*22510	15100			*21100	14420	(30.6)
-4.5m	kg			*23840	*23840	*18340	*18340	*14340	12150	*11120	8900					*9360	7810	8.30
-14.8ft	lb			*52560	*52560	*40430	*40430	*31610	26790	*24520	19620					*20640	17220	(27.2)
-6.0m	kg					*13350	*13350	*10290	*10290							*8450	*8450	6.78
-19.7ft	lb					*29430	*29430	*22690	*22690							*18630	*18630	(22.3)

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.

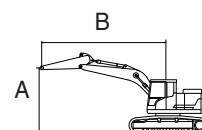
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.













▲ 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		Outtriger	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6550	2550	9200	600	-	-	-	-	-

 : Rating over-front



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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb											*13880 *30600	*13880 *30600	5.79 (19.0)
7.5 m (24.6 ft)	kg lb					*13190 *29080	*13190 *29080					*12600 *27780	11120 24520	7.22 (23.7)
6.0 m (19.7 ft)	kg lb					*13980 *30820	*13980 *30820	*12410 *27360	10350 22820			*12070 *26610	9040 19930	8.12 (26.6)
4.5 m (14.8 ft)	kg lb			*20370 *44910	*20370 *44910	*15430 *34020	14080 31040	*12960 *28570	10050 22160			*11830 *26080	7970 17570	8.67 (28.4)
3.0 m (9.8 ft)	kg lb					*16960 *37390	13300 29320	*13650 *30090	9670 21320			*11730 *25860	7440 16400	8.94 (29.3)
1.5 m (4.9 ft)	kg lb					*17890 *39440	12720 28040	*14120 *31130	9340 20590			*11690 *25770	7300 16090	8.94 (29.3)
0.0 m (0.0 ft)	kg lb			*21030 *46360	18920 41710	*17850 *39350	12420 27380	*14030 *30930	9140 20150			*11620 *25620	7520 16580	8.69 (28.5)
-1.5 m (-4.9 ft)	kg lb	*15060 *33200	*15060 *33200	*21280 *46910	19020 41930	*16720 *36860	12370 27270	*13030 *28730	9120 20110			*11390 *25110	8210 18100	8.15 (26.7)
-3.0 m (-9.8 ft)	kg lb	*20530 *45260	*20530 *45260	*17830 *39310	*17830 *39310	*14160 *31220	12560 27690					*10720 *23630	9750 21500	7.26 (23.8)
-4.5 m (-14.8 ft)	kg lb			*12770 *28150	*12770 *28150							*9300 *20500	*9300 *20500	5.90 (19.4)

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.

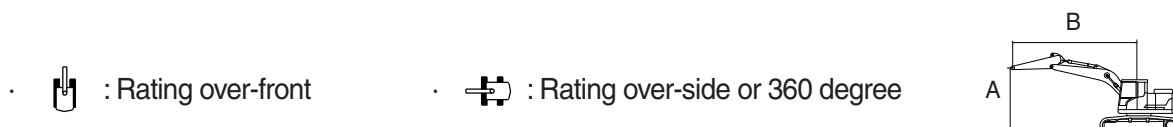
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.













▲ 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		Outtriger	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6550	2900	9200	600	-	-	-	-	-



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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb											*11820 *26060	*11820 *26060	6.19 (20.3)
7.5 m (24.6 ft)	kg lb							*11250 *24800	10500 23150			*10890 *24010	10410 22950	7.54 (24.7)
6.0 m (19.7 ft)	kg lb					*13340 *29410	*13340 *29410	*11880 *26190	10400 22930			*10600 *23370	8550 18850	8.41 (27.6)
4.5 m (14.8 ft)	kg lb			*19300 *42550	*19300 *42550	*14830 *32690	14150 31200	*12520 *27600	10050 22160			*10710 *23610	7570 16690	8.94 (29.3)
3.0 m (9.8 ft)	kg lb			*22770 *50200	20130 44380	*16450 *36270	13320 29370	*13290 *29300	9640 21250	*11400 *25130	7320 16140	*11180 *24650	7070 15590	9.20 (30.2)
1.5 m (4.9 ft)	kg lb			*19910 *43890	19030 41950	*17560 *38710	12660 27910	*13870 *30580	9270 20440	*11500 *25350	7140 15740	*11210 *24710	6920 15260	9.20 (30.2)
0.0 m (0.0 ft)	kg lb			*23720 *52290	18690 41200	*17760 *39150	12280 27070	*13950 *30750	9030 19910			*11220 *24740	7090 15630	8.96 (29.4)
-1.5 m (-4.9 ft)	kg lb	*16270 *35870	*16270 *35870	*21890 *48260	18720 41270	*16900 *37260	12180 26850	*13220 *29150	8960 19750			*11120 *24520	7690 16950	8.44 (27.7)
-3.0 m (-9.8 ft)	kg lb	*22850 *50380	*22850 *50380	*18760 *41360	*18760 *41360	*14740 *32500	12320 27160	*10960 *24160	9130 20130			*10700 *23590	9000 19840	7.58 (24.9)
-4.5 m (-14.8 ft)	kg lb			*13560 *29890	*13560 *29890	*10150 *22380	*10150 *22380					*9330 *20570	*9330 *20570	6.27 (20.6)

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.

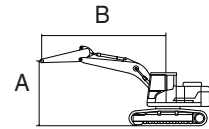
▲ Failure to comply to the rated load can cause serious injury, death, or property damage.

Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		9000	6000	10200	600	-	-	-	-	-



: Rating over-front



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)		9.0 m (29.5 ft)		10.5 m (34.4 ft)		12.0 m (39.4 ft)		13.5 m (44.3 ft)		Capacity		Reach
																						m (ft)
10.5m	kg																			*4060	*4060	11.51
34.4ft	lb																			*8950	*8950	(37.7)
9.0m	kg															*4870	*4870			*3950	*3950	12.46
29.5ft	lb															*10740	*10740			*8710	*8710	(40.9)
7.5m	kg													*5930	*5930	*5620	5080			*3940	*3940	13.17
24.6ft	lb													*13070	*13070	*12390	11200			*8690	*8690	(43.2)
6.0m	kg													*6270	*6270	*5810	4930	*4500	3830	*3990	3710	13.69
19.7ft	lb													*13820	*13820	*12810	10870	*9920	8440	*8800	8180	(44.9)
4.5m	kg									*8790	*8790	*7540	*7540	*6680	6040	*6060	4720	*5520	3720	*4110	3420	14.02
14.8ft	lb									*19380	*19380	*16620	*16620	*14730	13320	*13360	10410	*12170	8200	*9060	7540	(46.0)
3.0m	kg					*17920	*17920	*12630	*12630	*9890	9670	*8240	7320	*7130	5690	*6350	4500	*5750	3580	*4300	3230	14.18
9.8ft	lb					*39510	*39510	*27840	*27840	*21800	21320	*18170	16140	*15720	12540	*14000	9920	*12680	7890	*9480	7120	(46.5)
1.5m	kg					*9790	*9790	*14170	12140	*10870	8900	*8880	6820	*7550	5360	*6610	4280	*5890	3450	*4580	3120	14.19
4.9ft	lb					*21580	*21580	*31240	26760	*23960	19620	*19580	15040	*16640	11820	*14570	9440	*12990	7610	*10100	6880	(46.5)
0.0m	kg					*9020	*9020	*15100	11270	*11570	8300	*9370	6410	*7880	5080	*6810	4090	*5960	3330	*4970	3100	14.03
0.0ft	lb					*19890	*19890	*33290	24850	*25510	18300	*20660	14130	*17370	11200	*15010	9020	*13140	7340	*10960	6830	(46.0)
-1.5m	kg	*4710	*4710	*6130	*6130	*10400	*10400	*15390	10790	*11920	7900	*9650	6100	*8060	4860	*6890	3940	*5910	3250	*5510	3160	13.70
-4.9ft	lb	*10380	*10380	*13510	*13510	*22930	*22930	*33930	23790	*26280	17420	*21270	13450	*17770	10710	*15190	8690	*13030	7170	*12150	6970	(45.0)
-3.0m	kg	*7100	*7100	*8690	*8690	*12720	*12720	*15140	10590	*11890	7680	*9660	5920	*8040	4720	*6790	3860			*5880	3330	13.20
-9.8ft	lb	*15650	*15650	*19160	*19160	*28040	*28040	*33380	23350	*26210	16930	*21300	13050	*17730	10410	*14970	8510			*12960	7340	(43.3)
-4.5m	kg	*9580	*9580	*11500	*11500	*15760	*15760	*14400	10580	*11470	7620	*9360	5850	*7750	4680	*6400	3850			*5950	3640	12.50
-14.8ft	lb	*21120	*21120	*25350	*25350	*34740	*34740	*31750	23320	*25290	16800	*20640	12900	*17090	10320	*14110	8490			*13120	8020	(41.0)
-6.0m	kg	*12310	*12310	*14730	*14730	*16720	*16720	*13140	10740	*10590	7690	*8650	5900	*7060	4740					*5980	4160	11.55
-19.7ft	lb	*27140	*27140	*32470	*32470	*36860	*36860	*28970	23680	*23350	16950	*19070	13010	*15560	10450					*13180	9170	(37.9)
-7.5m	kg			*18050	*18050	*13990	*13990	*11240	11050	*9120	7910	*7360	6090							*5870	5060	10.31
-24.6ft	lb			*39790	*39790	*30840	*30840	*24780	24360	*20110	17440	*16230	13430							*12940	11160	(33.8)
-9.0m	kg					*10190	*10190	*8390	*8390	*6720	*6720									*5410	*5410	8.62
-29.5ft	lb					*22470	*22470	*18500	*18500	*14820	*14820									*11930	*11930	(28.3)

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.

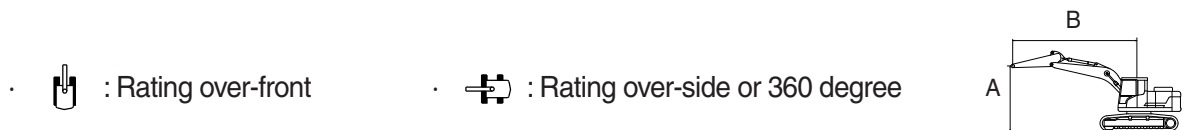
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.













▲ 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	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	3380	10200	600	-	-	-	-	-



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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb							*10020 *22090	*10020 *22090			*9400 *20720	*9400 *20720	7.61 (25.0)
7.5 m (24.6 ft)	kg lb							*10370 *22860	*10370 *22860			*8930 *19690	*8930 *19690	8.71 (28.6)
6.0 m (19.7 ft)	kg lb							*10900 *24030	*10900 *24030	*10010 *22070	9030 19910	*8830 *19470	8280 18250	9.46 (31.0)
4.5 m (14.8 ft)	kg lb			*18770 *41380	*18770 *41380	*14140 *31170	*14140 *31170	*11770 *25950	11690 25770	*10360 *22840	8820 19440	*8980 *19800	7530 16600	9.92 (32.5)
3.0 m (9.8 ft)	kg lb					*15920 *35100	15450 34060	*12710 *28020	11200 24690	*10820 *23850	8560 18870	*9390 *20700	7130 15720	10.13 (33.2)
1.5 m (4.9 ft)	kg lb					*17160 *37830	14740 32500	*13450 *29650	10780 23770	*11170 *24630	8330 18360	*9890 *21800	7020 15480	10.12 (33.2)
0.0 m (0.0 ft)	kg lb			*17510 *38600	*17510 *38600	*17540 *38670	14330 31590	*13750 *30310	10500 23150	*11230 *24760	8160 17990	*9970 *21980	7170 15810	9.88 (32.4)
-1.5 m (-4.9 ft)	kg lb	*12800 *28220	*12800 *28220	*22130 *48790	22020 48550	*17010 *37500	14190 31280	*13420 *29590	10370 22860	*10720 *23630	8100 17860	*10000 *22050	7660 16890	9.40 (30.8)
-3.0 m (-9.8 ft)	kg lb	*21350 *47070	*21350 *47070	*19710 *43450	*19710 *43450	*15510 *34190	14270 31460	*12210 *26920	10420 22970			*9880 *21780	8680 19140	8.62 (28.3)
-4.5 m (-14.8 ft)	kg lb	*19320 *42590	*19320 *42590	*15920 *35100	*15920 *35100	*12650 *27890	*12650 *27890					*9320 *20550	*9320 *20550	7.47 (24.5)

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.

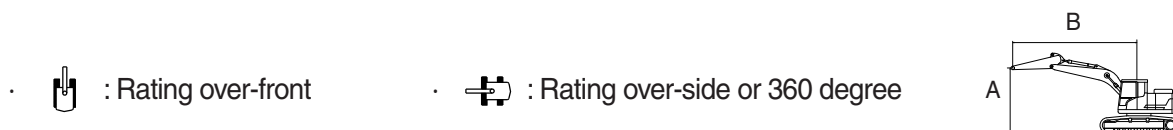
The difference between the weight of a work tool attachment must be subtracted.













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

▲ 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	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	2550	10200	600	-	-	-	-	-



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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb											*12280 *27070	*12280 *27070	6.71 (22.0)
7.5 m (24.6 ft)	kg lb							*11560 *25490	*11560 *25490			*11450 *25240	11020 24290	7.94 (26.1)
6.0 m (19.7 ft)	kg lb					*13750 *30310	*13750 *30310	*11880 *26190	*11880 *26190			*11080 *24430	9300 20500	8.75 (28.7)
4.5 m (14.8 ft)	kg lb					*15380 *33910	*15380 *33910	*12620 *27820	11550 25460	*11070 *24410	8750 19290	*10910 *24050	8370 18450	9.25 (30.3)
3.0 m (9.8 ft)	kg lb					*16910 *37280	15190 33490	*13390 *29520	11120 24520	*11340 *25000	8560 18870	*10840 *23900	7920 17460	9.48 (31.1)
1.5 m (4.9 ft)	kg lb					*17700 *39020	14640 32280	*13880 *30600	10780 23770	*11470 *25290	8380 18470	*10810 *23830	7810 17220	9.47 (31.1)
0.0 m (0.0 ft)	kg lb					*17530 *38650	14400 31750	*13850 *30530	10580 23320	*11160 *24600	8290 18280	*10760 *23720	8050 17750	9.21 (30.2)
-1.5 m (-4.9 ft)	kg lb			*20350 *44860	*20350 *44860	*16450 *36270	14390 31720	*13080 *28840	10550 23260			*10600 *23370	8730 19250	8.69 (28.5)
-3.0 m (-9.8 ft)	kg lb	*18970 *41820	*18970 *41820	*17470 *38510	*17470 *38510	*14320 *31570	*14320 *31570	*11040 *24340	10730 23660			*10090 *22240	*10090 *22240	7.84 (25.7)
-4.5 m (-14.8 ft)	kg lb			*12820 *28260	*12820 *28260	*10190 *22470	*10190 *22470					*8660 *19090	*8660 *19090	6.55 (21.5)

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.

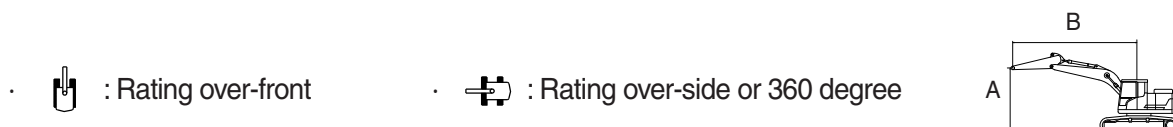
The difference between the weight of a work tool attachment must be subtracted.













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		Outtriger	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	2900	10200	600	-	-	-	-	-



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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb											*11430 *25200	*11430 *25200	7.08 (23.2)
7.5 m (24.6 ft)	kg lb							*10990 *24230	*10990 *24230			*10780 *23770	10370 22860	8.26 (27.1)
6.0 m (19.7 ft)	kg lb					*13130 *28950	*13130 *28950	*11410 *25150	*11410 *25150	*10500 *23150	8890 19600	*10480 *23100	8820 19440	9.04 (29.7)
4.5 m (14.8 ft)	kg lb			*20070 *44250	*20070 *44250	*14790 *32610	*14790 *32610	*12200 *26900	11540 25440	*10710 *23610	8730 19250	*10370 *22860	7970 17570	9.52 (31.2)
3.0 m (9.8 ft)	kg lb					*16410 *36180	15200 33510	*13040 *28750	11080 24430	*11060 *24380	8500 18740	*10340 *22800	7530 16600	9.74 (32.0)
1.5 m (4.9 ft)	kg lb					*17390 *38340	14560 32100	*13630 *30050	10690 23570	*11290 *24890	8290 18280	*10370 *22860	7420 16360	9.73 (31.9)
0.0 m (0.0 ft)	kg lb			*15060 *33200	*15060 *33200	*17450 *38470	14240 31390	*13740 *30290	10450 23040	*11160 *24600	8160 17990	*10380 *22880	7610 16780	9.48 (31.1)
-1.5 m (-4.9 ft)	kg lb			*21050 *46410	*21050 *46410	*16610 *36620	14180 31260	*13170 *29030	10380 22880			*10310 *22730	8200 18080	8.98 (29.5)
-3.0 m (-9.8 ft)	kg lb	*21360 *47090	*21360 *47090	*18340 *40430	*18340 *40430	*14760 *32540	14330 31590	*11550 *25460	10510 23170			*10000 *22050	9440 20810	8.16 (26.8)
-4.5 m (-14.8 ft)	kg lb			*14070 *31020	*14070 *31020	*11280 *24870	*11280 *24870					*9020 *19890	*9020 *19890	6.93 (22.7)

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.

※ Lifting capacities are based upon a standard machine conditions.

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

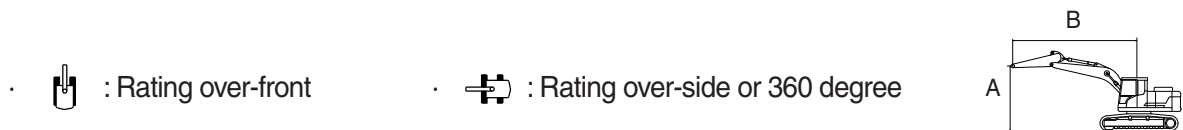
The difference between the weight of a work tool attachment must be subtracted.













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	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	3380	10200	800	-	-	-	-	-



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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb							*10020 *22090	*10020 *22090			*9400 *20720	*9400 *20720	7.61 (25.0)
7.5 m (24.6 ft)	kg lb							*10370 *22860	*10370 *22860			*8930 *19690	*8930 *19690	8.71 (28.6)
6.0 m (19.7 ft)	kg lb							*10900 *24030	*10900 *24030	*10010 *22070	9170 20220	*8830 *19470	8420 18560	9.46 (31.0)
4.5 m (14.8 ft)	kg lb			*18770 *41380	*18770 *41380	*14140 *31170	*14140 *31170	*11770 *25950	*11770 *25950	*10360 *22840	8970 19780	*8980 *19800	7660 16890	9.92 (32.5)
3.0 m (9.8 ft)	kg lb					*15920 *35100	15700 34610	*12710 *28020	11390 25110	*10820 *23850	8710 19200	*9390 *20700	7260 16010	10.13 (33.2)
1.5 m (4.9 ft)	kg lb					*17160 *37830	14990 33050	*13450 *29650	10970 24180	*11170 *24630	8470 18670	*9890 *21800	7150 15760	10.12 (33.2)
0.0 m (0.0 ft)	kg lb			*17510 *38600	*17510 *38600	*17540 *38670	14580 32140	*13750 *30310	10680 23550	*11230 *24760	8310 18320	*9970 *21980	7310 16120	9.88 (32.4)
-1.5 m (-4.9 ft)	kg lb	*12800 *28220	*12800 *28220	*22130 *48790	*22130 *48790	*17010 *37500	14440 31830	*13420 *29590	10560 23280	*10720 *23630	8250 18190	*10000 *22050	7810 17220	9.40 (30.8)
-3.0 m (-9.8 ft)	kg lb	*21350 *47070	*21350 *47070	*19710 *43450	*19710 *43450	*15510 *34190	14520 32010	*12210 *26920	10610 23390			*9880 *21780	8840 19490	8.62 (28.3)
-4.5 m (-14.8 ft)	kg lb	*19320 *42590	*19320 *42590	*15920 *35100	*15920 *35100	*12650 *27890	*12650 *27890					*9320 *20550	*9320 *20550	7.47 (24.5)

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.

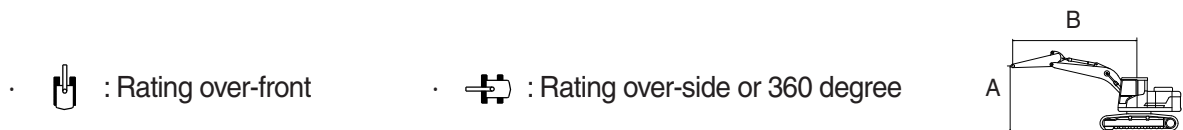
The difference between the weight of a work tool attachment must be subtracted.















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		Outtriger	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	4000	10200	600	-	-	-	-	-



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)		9.0 m (29.5 ft)		10.5 m (34.4 ft)		Capacity		Reach
																m (ft)
9.0m 29.5ft	kg lb													*7310 *16120	*7310 *16120	8.33 (27.3)
7.5m 24.6ft	kg lb									*8630 *19030	*8630 *19030			*6990 *15410	*6990 *15410	9.35 (30.7)
6.0m 19.7ft	kg lb							*10230 *22550	*10230 *22550	*9440 *20810	9210 20300			*6930 *15280	*6930 *15280	10.05 (33.0)
4.5m 14.8ft	kg lb					*13240 *29190	*13240 *29190	*11180 *24650	*11180 *24650	*9910 *21850	8960 19750			*7050 *15540	6970 15370	10.48 (34.4)
3.0m 9.8ft	kg lb			*20970 *46230	*20970 *46230	*15180 *33470	*15180 *33470	*12230 *26960	11390 25110	*10470 *23080	8680 19140	*8810 *19420	6820 15040	*7350 *16200	6630 14620	10.69 (35.1)
1.5m 4.9ft	kg lb			*19680 *43390	*19680 *43390	*16710 *36840	14970 33000	*13130 *28950	10920 24070	*10960 *24160	8400 18520	*9440 *20810	6680 14730	*7860 *17330	6510 14350	10.67 (35.0)
0.0m 0.0ft	kg lb			*19280 *42510	*19280 *42510	*17450 *38470	14450 31860	*13650 *30090	10570 23300	*11200 *24690	8190 18060			*8670 *19110	6630 14620	10.45 (34.3)
-1.5m -4.9ft	kg lb	*12650 *27890	*12650 *27890	*23060 *50840	21950 48390	*17320 *38180	14200 31310	*13600 *29980	10370 22860	*11010 *24270	8070 17790			*9490 *20920	7020 15480	9.99 (32.8)
-3.0m -9.8ft	kg lb	*19040 *41980	*19040 *41980	*21120 *46560	*21120 *46560	*16250 *35830	14180 31260	*12810 *28240	10340 22800	*10030 *22110	8100 17860			*9500 *20940	7800 17200	9.27 (30.4)
-4.5m -14.8ft	kg lb	*23210 *51170	*23210 *51170	*17930 *39530	*17930 *39530	*14030 *30930	*14030 *30930	*10830 *23880	10510 23170					*9250 *20390	*9250 *20390	8.21 (26.9)
-6.0m -19.7ft	kg lb			*12760 *28130	*12760 *28130	*9770 *21540	*9770 *21540							*8240 *18170	*8240 *18170	6.65 (21.8)

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.

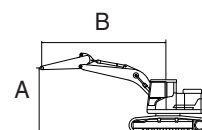
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.













▲ 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		Outtriger	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6550	2550	10200	600	-	-	-	-	-

 : Rating over-front



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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb											*13740 *30290	*13740 *30290	5.92 (19.4)
7.5 m (24.6 ft)	kg lb					*13220 *29150	*13220 *29150					*12550 *27670	*12550 *27670	7.29 (23.9)
6.0 m (19.7 ft)	kg lb					*14060 *31000	*14060 *31000	*12430 *27400	12010 26480			*12050 *26570	10420 22970	8.17 (26.8)
4.5 m (14.8 ft)	kg lb			*20650 *45530	*20650 *45530	*15550 *34280	*15550 *34280	*13010 *28680	11690 25770			*11820 *26060	9280 20460	8.70 (28.5)
3.0 m (9.8 ft)	kg lb					*17050 *37590	15550 34280	*13700 *30200	11300 24910			*11730 *25860	8720 19220	8.94 (29.3)
1.5 m (4.9 ft)	kg lb					*17930 *39530	14970 33000	*14130 *31150	10980 24210			*11690 *25770	8600 18960	8.93 (29.3)
0.0 m (0.0 ft)	kg lb			*21780 *48020	*21780 *48020	*17810 *39260	14690 32390	*14000 *30860	10790 23790			*11610 *25600	8900 19620	8.66 (28.4)
-1.5 m (-4.9 ft)	kg lb	*16090 *35470	*16090 *35470	*21090 *46500	*21090 *46500	*16590 *36570	14660 32320	*12900 *28440	10780 23770			*11370 *25070	9770 21540	8.10 (26.6)
-3.0 m (-9.8 ft)	kg lb	*20140 *44400	*20140 *44400	*17510 *38600	*17510 *38600	*13900 *30640	*13900 *30640					*10640 *23460	*10640 *23460	7.18 (23.6)
-4.5 m (-14.8 ft)	kg lb			*12770 *28150	*12770 *28150							*9300 *20500	*9300 *20500	5.90 (19.4)

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.

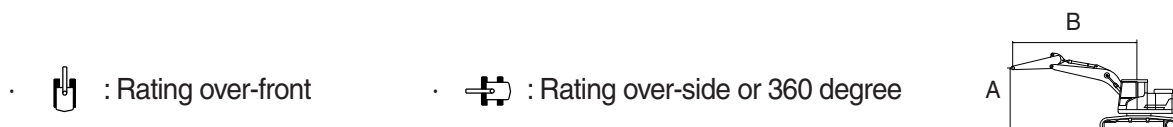
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.













▲ 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	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6550	2900	10200	600	-	-	-	-	-



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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb											*11720 *25840	*11720 *25840	6.31 (20.7)
7.5 m (24.6 ft)	kg lb							*11790 *25990	*11790 *25990			*10850 *23920	*10850 *23920	7.61 (25.0)
6.0 m (19.7 ft)	kg lb					*13430 *29610	*13430 *29610	*11920 *26280	*11920 *26280			*10600 *23370	9880 21780	8.45 (27.7)
4.5 m (14.8 ft)	kg lb			*19570 *43140	*19570 *43140	*14950 *32960	*14950 *32960	*12570 *27710	11690 25770			*10730 *23660	8830 19470	8.97 (29.4)
3.0 m (9.8 ft)	kg lb			*22960 *50620	*22960 *50620	*16550 *36490	15560 34300	*13340 *29410	11270 24850	*11410 *25150	8600 18960	*11190 *24670	8300 18300	9.21 (30.2)
1.5 m (4.9 ft)	kg lb			*19880 *43830	*19880 *43830	*17610 *38820	14910 32870	*13890 *30620	10900 24030	*11490 *25330	8420 18560	*11210 *24710	8170 18010	9.19 (30.2)
0.0 m (0.0 ft)	kg lb			*23620 *52070	22350 49270	*17730 *39090	14550 32080	*13920 *30690	10670 23520			*11210 *24710	8420 18560	8.93 (29.3)
-1.5 m (-4.9 ft)	kg lb	*17060 *37610	*17060 *37610	*21710 *47860	*21710 *47860	*16790 *37020	14460 31880	*13120 *28920	10610 23390			*11100 *24470	9170 20220	8.39 (27.5)
-3.0 m (-9.8 ft)	kg lb	*22460 *49520	*22460 *49520	*18470 *40720	*18470 *40720	*14520 *32010	*14520 *32010	*10680 *23550	*10680 *23550			*10650 *23480	*10650 *23480	7.51 (24.6)
-4.5 m (-14.8 ft)	kg lb			*13060 *28790	*13060 *28790	*9620 *21210	*9620 *21210					*9150 *20170	*9150 *20170	6.15 (20.2)

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.

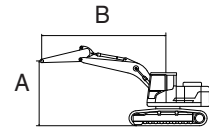
▲ Failure to comply to the rated load can cause serious injury, death, or property damage.





















Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		9000	6000	11700	600	-	-	-	-	-



: Rating over-front



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)		9.0 m (29.5 ft)		10.5 m (34.4 ft)		12.0 m (39.4 ft)		13.5 m (44.3 ft)		Capacity	Reach	
																						m (ft)
10.5m 34.4ft	kg lb																			*4050 *8930	*4050 *8930	11.58 (38.0)
9.0m 29.5ft	kg lb															*4970 *10960	*4970 *10960			*3950 *8710	*3950 *8710	12.52 (41.1)
7.5m 24.6ft	kg lb													*5950 *13120	*5950 *13120	*5630 *12410	*5630 *12410			*3940 *8690	*3940 *8690	13.22 (43.4)
6.0m 19.7ft	kg lb													*6290 *13870	*6290 *13870	*5830 *12850	*5830 *12850	*4580 *10100	*4580 *10100	*3990 *8800	*3990 *8800	13.71 (45.0)
4.5m 14.8ft	kg lb									*8870 *19550	*8870 *19550	*7590 *16730	*7590 *16730	*6720 *14820	*6720 *14820	*6080 *13400	5790 12760	*5580 *12300	4650 10250	*4120 *9080	*4120 *9080	14.03 (46.0)
3.0m 9.8ft	kg lb					*18150 *40010	*18150 *40010	*12750 *28110	*12750 *28110	*9970 *21980	*9970 *21980	*8290 *18280	*8290 *18280	*7160 *15790	6950 15320	*6370 *14040	5570 12280	*5760 *12700	4510 9940	*4320 *9520	4100 9040	14.19 (46.5)
1.5m 4.9ft	kg lb					*9590 *21140	*9590 *21140	*14260 *31440	*14260 *31440	*10930 *24100	10830 23880	*8920 *19670	8340 18390	*7580 *16710	6620 14590	*6620 *14590	5350 11790	*5900 *13010	4380 9660	*4610 *10160	4000 8820	14.18 (46.5)
0.0m 0.0ft	kg lb					*9080 *20020	*9080 *20020	*15140 *33380	13920 30690	*11610 *25600	10230 22550	*9400 *20720	7930 17480	*7900 *17420	6330 13960	*6820 *15040	5160 11380	*5960 *13140	4260 9390	*5000 *11020	4000 8820	14.01 (46.0)
-1.5m -4.9ft	kg lb	*4880 *10760	*4880 *10760	*6310 *13910	*6310 *13910	*10540 *23240	*10540 *23240	*15390 *33930	13460 29670	*11930 *26300	9840 21690	*9660 *21300	7630 16820	*8070 *17790	6120 13490	*6890 *15190	5010 11050	*5900 *13010	4180 9220	*5560 *12260	4100 9040	13.67 (44.9)
-3.0m -9.8ft	kg lb	*7270 *16030	*7270 *16030	*8890 *19600	*8890 *19600	*12910 *28460	*12910 *28460	*15110 *33310	13270 29260	*11880 *26190	9630 21230	*9650 *21270	7450 16420	*8030 *17700	5980 13180	*6770 *14930	4930 10870			*5880 *12960	4310 9500	13.16 (43.2)
-4.5m -14.8ft	kg lb	*9770 *21540	*9770 *21540	*11720 *25840	*11720 *25840	*16010 *35300	*16010 *35300	*14330 *31590	13270 29260	*11420 *25180	9580 21120	*9320 *20550	7390 16290	*7710 *17000	5950 13120	*6360 *14020	4930 10870			*5960 *13140	4700 10360	12.44 (40.8)
-6.0m -19.7ft	kg lb	*12520 *27600	*12520 *27600	*14980 *33030	*14980 *33030	*16550 *36490	*16550 *36490	*13030 *28730	*13030 *28730	*10510 *23170	9660 21300	*8580 *18920	7450 16420	*6980 *15390	6010 13250					*5970 *13160	5340 11770	11.48 (37.6)
-7.5m -24.6ft	kg lb			*17690 *39000	*17690 *39000	*13760 *30340	*13760 *30340	*11070 *24410	*11070 *24410	*8990 *19820	*8990 *19820	*7230 *15940								*5850 *12900	*5850 *12900	10.20 (33.5)
-9.0m -29.5ft	kg lb					*9860 *21740	*9860 *21740	*8140 *17950	*8140 *17950	*6490 *14310	*6490 *14310									*5350 *11790	*5350 *11790	8.48 (27.8)

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) HX480A L

(1) 9200 kg counterweight



General bucket



Heavy duty  
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO						
	SAE Heaped	CECE heaped	Without side cutter			Recommendation						
						6.55 m (21' 6") Boom		7.06 m (23' 2") Boom				9.00 m (29' 6") Boom
						2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	3.38 m (11' 1") Arm	4.00 m (13' 1") Arm	6.00 m (19' 8") Arm
m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA								
General bucket	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	-	-	-	-	-	-	-
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	◐	◐	■	-
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	■	■	■	▲	▲	X	-
Heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,320 (5,110)	5	●	●	◐	◐	■	■	-
	2.61 (3.41)	2.33 (3.05)	1,525 (60.0")	2,395 (5,280)	6	◐	◐	■	■	■	▲	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,630 (5,800)	5	◐	■	■	▲	▲	X	-
	2.92 (3.82)	2.60 (3.40)	1,675 (65.9")	2,525 (5,570)	6	■	■	■	▲	▲	X	-
Rock heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	◐	◐	■	■	-
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	◐	◐	■	■	■	▲	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	■	■	■	▲	▲	X	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	6	▲	▲	▲	X	X	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
-	Not available

※ 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 with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.

## (2) 9700 kg counterweight



General bucket



Heavy duty  
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO						
						Recommendation						
	SAE Heaped	CECE heaped	Without side cutter			6.55 m (21' 6") Boom		7.06 m (23' 2") Boom				9.00 m (29' 6") Boom
	m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)			2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	3.38 m (11' 1") Arm	4.00 m (13' 1") Arm	6.00 m (19' 8") Arm
General bucket	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	-	-	-	-	-	-	-
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	◐	■	-
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	◐	■	■	▲	▲	▲	-
Heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,320 (5,110)	5	●	●	●	◐	◐	■	-
	2.61 (3.41)	2.33 (3.05)	1,525 (60.0")	2,395 (5,280)	6	◐	◐	◐	■	■	▲	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,630 (5,800)	5	◐	■	■	■	▲	▲	-
	2.92 (3.82)	2.60 (3.40)	1,675 (65.9")	2,525 (5,570)	6	◐	■	■	▲	▲	▲	-
Rock heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	◐	◐	■	-
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	◐	◐	■	■	▲	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	◐	■	■	▲	▲	X	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	6	■	▲	▲	▲	X	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
-	Not available

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

### (3) 10200 kg counterweight



General bucket



Heavy duty  
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO						
						Recommendation						
	SAE Heaped	CECE heaped	Without side cutter			6.55 m (21' 6") Boom		7.06 m (23' 2") Boom				9.00 m (29' 6") Boom
	m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)			2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	3.38 m (11' 1") Arm	4.00 m (13' 1") Arm	6.00 m (19' 8") Arm
General bucket	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	-	-	-	-	-	-	▲
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	◐	◐	-
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	◐	■	■	■	▲	▲	-
Heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,320 (5,110)	5	●	●	●	●	◐	■	-
	2.61 (3.41)	2.33 (3.05)	1,525 (60.0")	2,395 (5,280)	6	●	◐	◐	■	■	▲	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,630 (5,800)	5	◐	◐	■	■	▲	▲	-
	2.92 (3.82)	2.60 (3.40)	1,675 (65.9")	2,525 (5,570)	6	◐	■	■	■	▲	▲	-
Rock heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	◐	◐	■	-
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	●	◐	◐	■	▲	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	◐	■	■	■	▲	X	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	6	■	▲	▲	▲	X	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
-	Not available

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

#### (4) 10700 kg counterweight



General bucket



Heavy duty  
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO						
						Recommendation						
	SAE Heaped	CECE heaped	Without side cutter			6.55 m (21' 6") Boom		7.06 m (23' 2") Boom				9.00 m (29' 6") Boom
	m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)			2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	3.38 m (11' 1") Arm	4.00 m (13' 1") Arm	6.00 m (19' 8") Arm
General bucket	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	-	-	-	-	-	-	▲
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	●	◐	-
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	◐	◐	■	■	▲	▲	-
Heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,320 (5,110)	5	●	●	●	●	◐	◐	-
	2.61 (3.41)	2.33 (3.05)	1,525 (60.0")	2,395 (5,280)	6	●	●	◐	◐	■	■	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,630 (5,800)	5	◐	◐	◐	■	■	▲	-
	2.92 (3.82)	2.60 (3.40)	1,675 (65.9")	2,525 (5,570)	6	◐	◐	■	■	■	▲	-
Rock heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	●	◐	■	-
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	●	◐	◐	■	■	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	◐	◐	■	■	▲	▲	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	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
-	Not available

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

**(5) 11700 kg counterweight**



General bucket



Heavy duty  
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO						
						Recommendation						
	SAE Heaped	CECE heaped	Without side cutter			6.55 m (21' 6") Boom		7.06 m (23' 2") Boom				9.00 m (29' 6") Boom
	m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)			2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	3.38 m (11' 1") Arm	4.00 m (13' 1") Arm	6.00 m (19' 8") Arm
General bucket	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	-	-	-	-	-	-	■
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	●	◐	-
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	●	◐	◐	■	■	▲	-
Heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,320 (5,110)	5	●	●	●	●	●	◐	-
	2.61 (3.41)	2.33 (3.05)	1,525 (60.0")	2,395 (5,280)	6	●	●	●	◐	◐	■	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,630 (5,800)	5	●	◐	◐	◐	■	■	-
	2.92 (3.82)	2.60 (3.40)	1,675 (65.9")	2,525 (5,570)	6	●	◐	◐	■	■	▲	-
Rock heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	●	●	◐	-
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	●	●	◐	◐	■	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	●	◐	◐	■	■	▲	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	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
-	Not available

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



## 2) HX520A L

### (1) 10200 kg counterweight



General bucket



Heavy duty  
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO							
			Without side cutter			Recommendation							
	SAE Heaped	CECE heaped				6.55 m (21' 6") Boom		7.06 m (23' 2") Boom				9.00 m (29' 6") Boom	
						m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA	2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	2.55 m (8' 4") Arm
General bucket	1.00 (1.31)	0.90 (1.18)	950 (37.4")	1,450 (3,200)	3	-	-	-	-	-	-	-	●
	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	-	-	-	-	-	-	-	■
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	●	●	●	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,300 (5,070)	5	●	●	◐	◐	■	■	■	-
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	●	◐	◐	■	■	▲	▲	-
Heavy duty	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,450 (5,400)	5	●	●	●	●	◐	■	■	-
	2.61 (3.41)	2.33 (3.05)	1,525 (60.0")	2,395 (5,280)	6	●	●	●	◐	◐	■	■	-
	2.92 (3.82)	2.60 (3.40)	1,675 (65.9")	2,525 (5,570)	6	●	◐	◐	■	■	▲	▲	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	2,870 (6,330)	6	◐	◐	■	■	▲	▲	▲	-
Rock heavy duty	1.81 (2.37)	1.50 (1.96)	1,460 (57.5")	2,650 (5,840)	4	●	●	●	●	●	●	●	-
	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	●	●	●	◐	-
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	●	●	●	◐	■	■	-
	2.70 (3.53)	2.39 (3.13)	1,755 (69.1")	2,770 (6,110)	5	●	●	◐	◐	■	■	■	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	●	◐	◐	■	■	▲	▲	-
	3.00 (3.92)	2.76 (3.61)	1,950 (76.8")	3,040 (6,770)	6	◐	◐	■	■	■	▲	▲	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	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
-	Not available

※ 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 with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.

## (2) 10700 kg counterweight



General bucket



Heavy duty  
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO						
			Without side cutter			Recommendation						
	SAE Heaped	CECE heaped				6.55 m (21' 6") Boom		7.06 m (23' 2") Boom				9.00 m (29' 6") Boom
	m³ (yd³)	m³ (yd³)				mm (in)	kg (lb)	EA	2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	2.55 m (8' 4") Arm	2.90 m (9' 6") Arm
General bucket	1.00 (1.31)	0.90 (1.18)	950 (37.4")	1,450 (3,200)	3	-	-	-	-	-	-	●
	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	-	-	-	-	-	-	■
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	●	●	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,300 (5,070)	5	●	●	●	◐	◐	■	-
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	●	◐	◐	◐	■	■	-
Heavy duty	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,450 (5,400)	5	●	●	●	●	◐	◐	-
	2.61 (3.41)	2.33 (3.05)	1,525 (60.0")	2,395 (5,280)	6	●	●	●	●	◐	■	-
	2.92 (3.82)	2.60 (3.40)	1,675 (65.9")	2,525 (5,570)	6	◐	◐	■	■	■	▲	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	2,870 (6,330)	6	●	●	◐	◐	■	■	-
Rock heavy duty	1.81 (2.37)	1.50 (1.96)	1,460 (57.5")	2,650 (5,840)	4	●	●	●	●	●	●	-
	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	●	●	◐	-
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	●	●	●	◐	■	-
	2.70 (3.53)	2.39 (3.13)	1,755 (69.1")	2,770 (6,110)	5	●	●	◐	◐	◐	■	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	●	●	◐	◐	■	■	-
	3.00 (3.92)	2.76 (3.61)	1,950 (76.8")	3,040 (6,770)	6	◐	◐	◐	■	■	▲	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	6	◐	■	■	■	▲	▲	-



Applicable for materials with density of 2100 kg/m<sup>3</sup> (3500 lb/yd<sup>3</sup>) or less



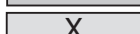
Applicable for materials with density of 1800 kg/m<sup>3</sup> (3000 lb/yd<sup>3</sup>) or less



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



Not recommended



Not available

※ 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 with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.

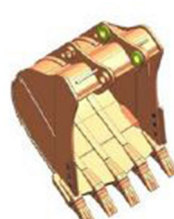
### (3) 11700 kg counterweight



General bucket



Heavy duty  
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO							
			Without side cutter			Recommendation							
	SAE Heaped	CECE heaped				6.55 m (21' 6") Boom		7.06 m (23' 2") Boom				9.00 m (29' 6") Boom	
						m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA	2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	2.55 m (8' 4") Arm
General bucket	1.00 (1.31)	0.90 (1.18)	950 (37.4")	1,450 (3,200)	3	-	-	-	-	-	-	-	●
	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	-	-	-	-	-	-	-	◐
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	●	●	●	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,300 (5,070)	5	●	●	●	●	●	◐	■	-
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	●	●	◐	◐	◐	◐	■	-
Heavy duty	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,450 (5,400)	5	●	●	●	●	●	●	◐	-
	2.61 (3.41)	2.33 (3.05)	1,525 (60.0")	2,395 (5,280)	6	●	●	●	●	●	●	◐	-
	2.92 (3.82)	2.60 (3.40)	1,675 (65.9")	2,525 (5,570)	6	●	◐	◐	■	■	■	▲	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	2,870 (6,330)	6	●	●	●	◐	◐	◐	■	-
Rock heavy duty	1.81 (2.37)	1.50 (1.96)	1,460 (57.5")	2,650 (5,840)	4	●	●	●	●	●	●	●	-
	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	●	●	●	●	-
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	●	●	●	●	●	◐	-
	2.70 (3.53)	2.39 (3.13)	1,755 (69.1")	2,770 (6,110)	5	●	●	●	●	●	◐	■	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	●	●	●	◐	◐	◐	■	-
	3.00 (3.92)	2.76 (3.61)	1,950 (76.8")	3,040 (6,770)	6	●	●	◐	◐	◐	■	■	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	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
-	Not available

※ 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 with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.



## 7. UNDERCARRIAGE

### 1) TYPES OF SHOES

Model	Description	Unit		Triple grouser								Double grouser			
	width	mm	(in)	600	(24)	700	(28)	800	(32)	900	(36)	600	(24)	700	(28)
HX480A L	Operating weight	kg	(lb)	50870	112150	51390	113300	51920	114460	52420	115570	50900	112220	51430	113380
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	0.88	12.6	0.77	10.9	0.68	9.6	0.61	8.6	0.88	12.6	0.77	10.9
	Overall width	mm	(ft-in)	3340	10' 11"	3440	11' 3"	3540	11' 7"	3640	11' 11"	3340	10' 11"	3440	11' 3"
	Link quantity	EA		53		53		53		53		53		53	
HX520A L	Operating weight	kg	(lb)	52900	116620	53420	117770	53950	118940	-		52930	116690	53460	117860
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	0.92	13.1	0.80	11.3	0.70	10.0			0.92	13.1	0.80	11.3
	Overall width	mm	(ft-in)	3540	11' 7"	3640	11' 11"	3740	12' 3"			3540	11' 7"	3640	11' 11"
	Link quantity	EA		53		53		53				53		53	

### 2) SELECTION OF TRACK SHOE

Suitable track shoes should be selected according to operating conditions.

#### Method of selecting shoes

Confirm the category from the list of applications in **table 2**, then use **table 1** to select the shoe. Wide shoes (categories B and C) have limitations on applications. Before using wide shoes, check the precautions, then investigate and study the operating conditions to confirm if these shoes are suitable.

Select the narrowest shoe possible to meet the required flotation and ground pressure. Application of wider shoes than recommendations will cause unexpected problem such as bending of shoes, crack of link, breakage of pin, loosening of shoe bolts and the other various problems.

**Table 1**

Track shoe	Specification	Category
600 mm triple grouser	Standard	A
700 mm triple grouser	Option	B
800 mm triple grouser	Option	C
900 mm triple grouser	Option	C
600 mm double grouser	Option	A
700 mm double grouser	Option	B

**Table 2**

Category	Applications	Precautions
A	Rocky ground, river beds, normal soil	<ul style="list-style-type: none"><li>· Travel at low speed on rough ground with large obstacles such as boulders or fallen trees or a wide range of general civil engineering work</li></ul>
B	Normal soil, soft ground	<ul style="list-style-type: none"><li>· These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees</li><li>· Travel at high speed only on flat ground</li><li>· Travel slowly at low speed if it is impossible to avoid going over obstacles</li></ul>
C	Extremely soft ground (swampy ground)	<ul style="list-style-type: none"><li>· Use the shoes only in the conditions that the machine sinks and it is impossible to use the shoes of category A or B</li><li>· These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees</li><li>· Travel at high speed only on flat ground</li><li>· Travel slowly at low speed if it is impossible to avoid going over obstacles</li></ul>

## 8. SPECIFICATIONS FOR MAJOR COMPONENTS

### 1) ENGINE

Item	Specification
Maker / Model	CUMMINS / X12
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	132 × 144 mm (5.2" × 5.67")
Displacement	11.8 ℓ (720 cu in)
Compression ratio	17 : 1
Gross power	400 Hp (298 kW) at 2100 rpm
Net power	395 Hp (295 kW) at 2100 rpm
Max. power	402 Hp (300 kW) at 1800 rpm
Peak Torque	1898 N · m (1400 lbf · ft) at 1400 rpm
Engine oil quantity	34 ℓ (9 U.S. gal)
Wet weight	860 kg (1896 lb)
Starter motor	24 V-7.5 kW
Alternator	24 V-110 A

### 2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 225 cc/rev
Maximum pressure	330 kgf/cm <sup>2</sup> (4690 psi) [360 kgf/cm <sup>2</sup> (5120 psi)]
Rated oil flow	2 × 394 ℓ /min (104 U.S. gpm/86.7 U.K. gpm)
Rated speed	1750 rpm

[   ] : Power boost

### 3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	13.7 cc/rev
Maximum pressure	40 kgf/cm <sup>2</sup> (570 psi)
Rated oil flow	23.5 ℓ /min (6.3 U.S. gpm/5.3 U.K. gpm)

### 4) MAIN CONTROL VALVE

Item	Specification
Type	9 spools
Operating method	Hydraulic pilot system
Main relief valve pressure	330 kgf/cm <sup>2</sup> (4690 psi) [360 kgf/cm <sup>2</sup> (5120 psi)] *1 330 kgf/cm <sup>2</sup> (4690 psi) [Not applied power boost]
Port relief valve pressure	Boom 400 kgf/cm <sup>2</sup> (5690 psi), *1 380 kgf/cm <sup>2</sup> (5400 psi)
	Arm 400 kgf/cm <sup>2</sup> (5690 psi), *1 280 kgf/cm <sup>2</sup> (3980 psi)
	Bucket 400 kgf/cm <sup>2</sup> (5690 psi), *1 280 kgf/cm <sup>2</sup> (3980 psi)

[ ] : Power boost    \*1 : Long reach only

### 5) SWING MOTOR

Item	Specification
Type	Axial piston motor
Capacity	142.8 cc/rev
Relief pressure	285 kgf/cm <sup>2</sup> (4054 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	63 kgf · m (456 lbf · ft) over
Brake release pressure	Cranking 20.9~35.5 kgf · m (151~257 lbf · ft)
	Full stroke 20.9~35.5 kgf · m (151~257 lbf · ft)
Reduction gear type	2 - stage planetary

### 6) TRAVEL MOTOR (Type 1, 2)

Item	Specification
Type	Variable displacement axial piston motor
Capacity	281.7/175.9 cc/rev
Relief pressure	360 kgf/cm <sup>2</sup> (5120 psi)
Braking system	Auto matic, spring applied hydraulic released
Braking torque	119.7 kgf · m (866 lbf · ft)
Brake release pressure	11.3~15.7 kgf/cm <sup>2</sup> (161~223 psi)
Reduction gear type	2-stage planetary

## 7) CYLINDER

Item			Specification
Boom cylinder	Bore dia × Stroke		Ø 170 × 1580 mm
	Cushion		Extend only
Arm cylinder	Bore dia × Stroke		Ø 190 × 1850 mm
	Cushion		Extend and retract
Bucket cylinder	Bore dia × Stroke	HX480A L	Ø 160 × 1360 mm
		HX480A L ★	Ø 170 × 1360 mm
		HX520A L	
	Cushion		Extend only

★ Only for 6.55 m (21' 6") boom and 2.55 m (8' 4") arm

※ 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.

## 9. 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	34.0 (9.0)	★SAE 5W-40								
								SAE 30			
								SAE 10W			
								SAE 10W-30			
								SAE 15W-40			
DEF/ AdBlue® tank	Mixture of urea and deionized water	70 (18.5)	ISO 22241, High-purity urea + deionized water (32.5:67.5)								
Swing drive	Gear oil	7.0 (1.8) × 2	★SAE 75W-90								
Final drive		12.0 (3.0) × 2						SAE 80W-90			
Hydraulic tank	Hydraulic oil	Tank : 275 (72.6)	★ISO VG 15								
								ISO VG 32			
		System : 499 (132)						ISO VG 46, HBHO VG 46★ <sup>3</sup>			
								ISO VG 68			
Fuel tank	Diesel fuel★ <sup>1</sup>	600 (159)	★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>	43.0 (11.4)	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 ≤ 15 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.