

SECTION 1 GENERAL



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

Group 2 Specifications ..... 1-10

## SECTION 1 GENERAL

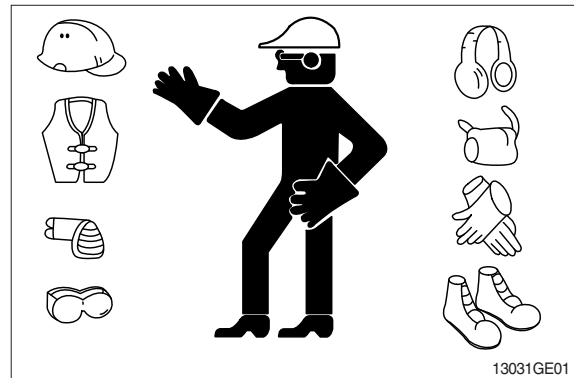
### GROUP 1 SAFETY

#### FOLLOW SAFE PROCEDURE

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

#### WEAR PROTECTIVE CLOTHING

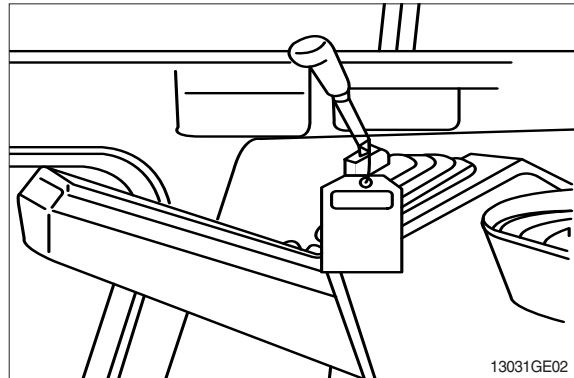
Wear close fitting clothing and safety equipment appropriate to the job.



#### WARN OTHERS OF SERVICE WORK

Unexpected machine movement can cause serious injury.

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



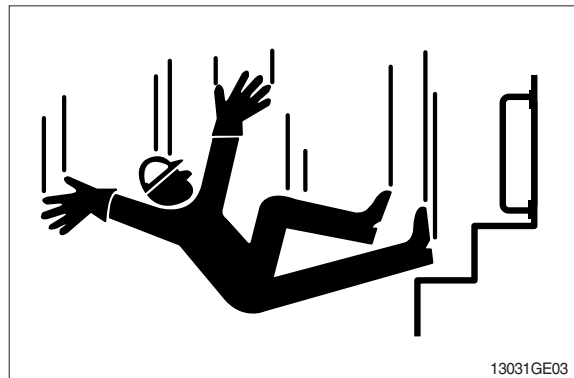
#### USE HANDHOLDS AND STEPS

Falling is one of the major causes of personal injury.

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

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

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

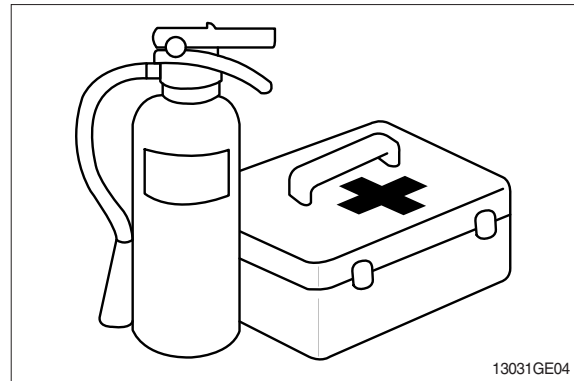


## PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

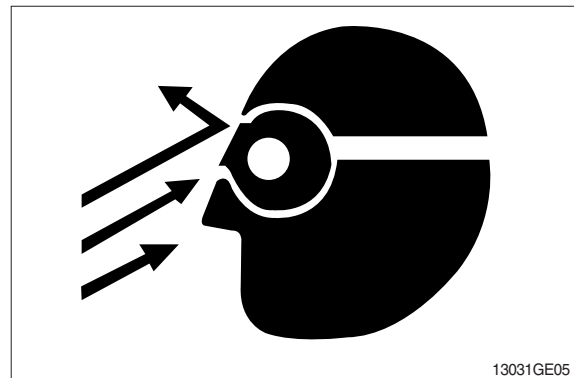
Keep a first aid kit and fire extinguisher handy.

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



## PROTECT AGAINST FLYING DEBRIS

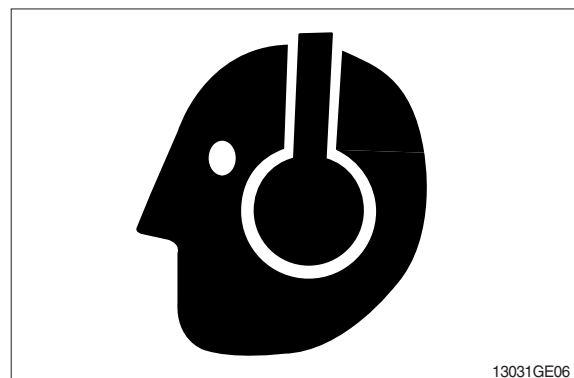
Guard against injury from flying pieces of metal or debris; Wear goggles or safety glasses.



## PROTECT AGAINST NOISE

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

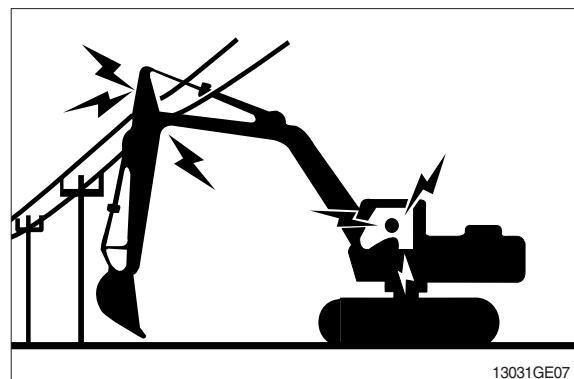
Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



## AVOID POWER LINES

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

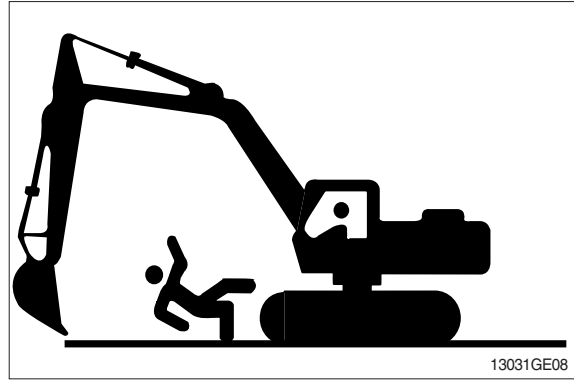
Never move any part of the machine or load closer to electric line than 3m(10ft) plus twice the line insulator length.



## 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.

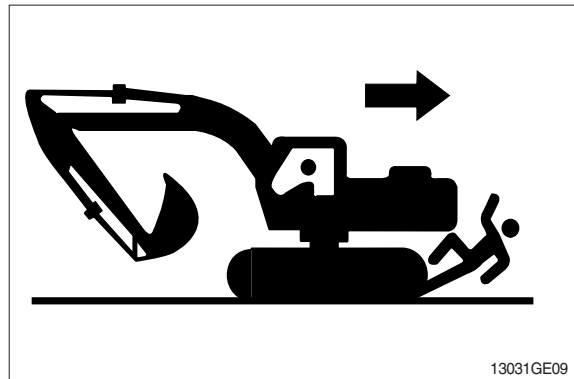


## MOVE AND OPERATE MACHINE SAFELY

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:

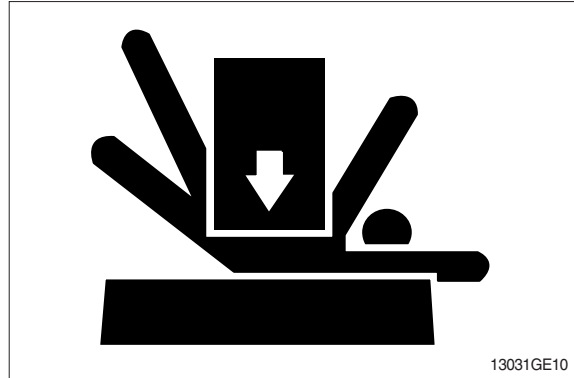
- Park machine on a level surface.
- Lower bucket to the ground.
- Turn auto idle switch off.
- Run engine at 1/2 speed without load for 2 minutes.
- Turn key switch to OFF to stop engine. Remove key from switch.
- Move pilot control shutoff lever to locked position.
- Allow engine to cool.

## 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.

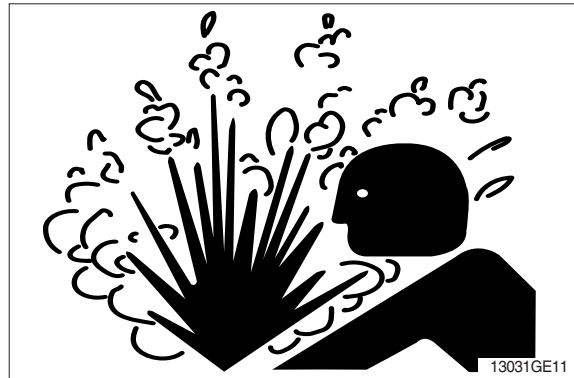
Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.



## SERVICE COOLING SYSTEM SAFELY

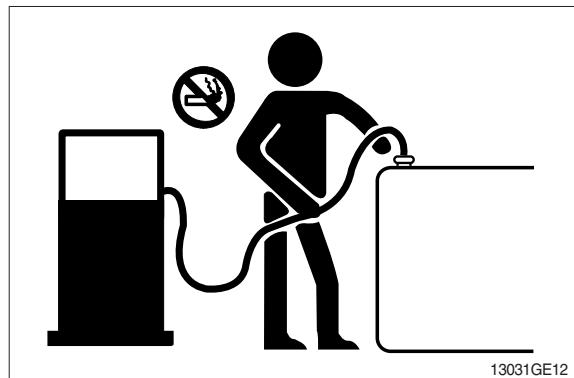
Explosive release of fluids from pressurized cooling system can cause serious burns.

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



## HANDLE FLUIDS SAFELY-AVOID FIRES

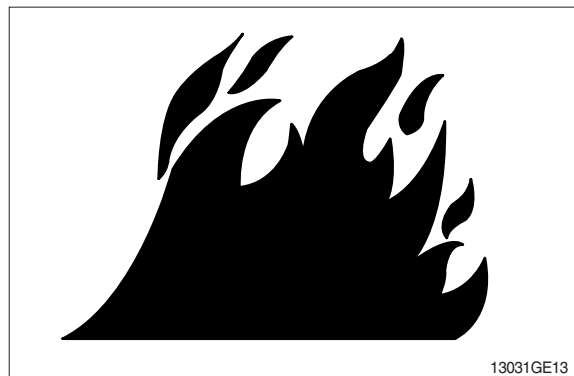
Handle fuel with care; It is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks. Always stop engine before refueling machine. Fill fuel tank outdoors.



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

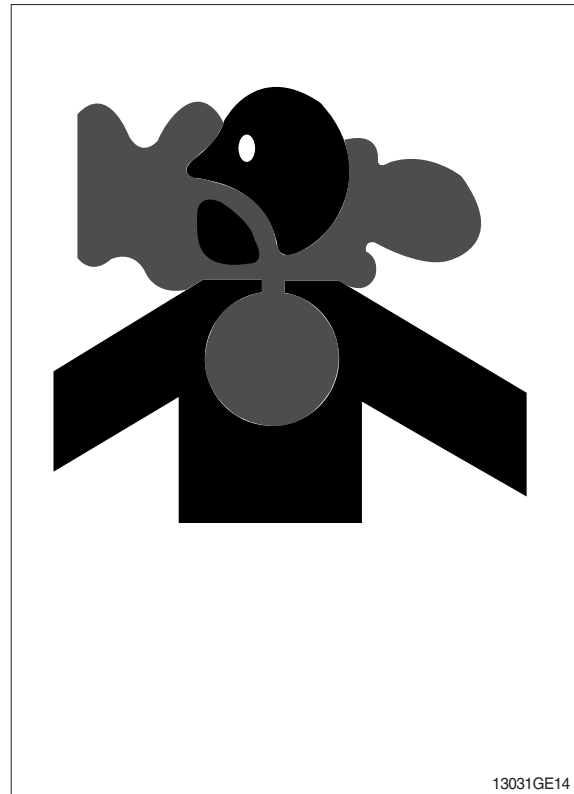
Avoid potentially toxic fumes and dust.

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

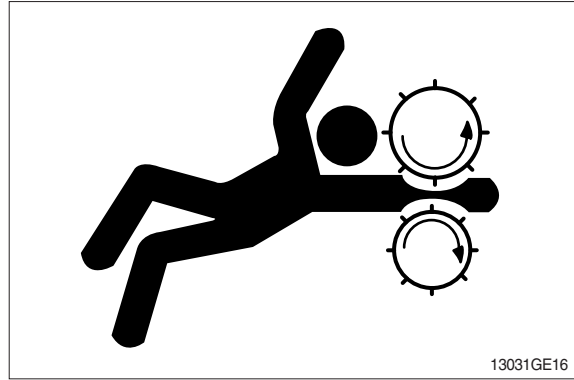
Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.



## 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.

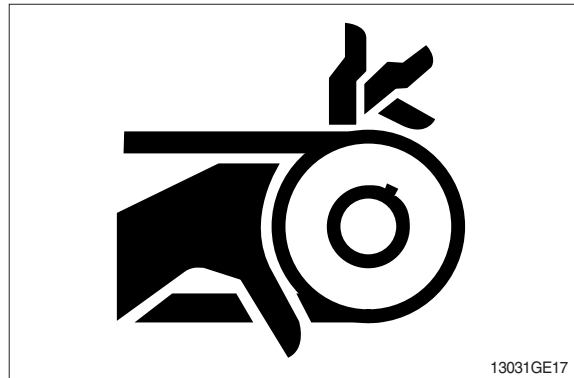
Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



## STAY CLEAR OF MOVING PARTS

Entanglements in moving parts can cause serious injury.

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



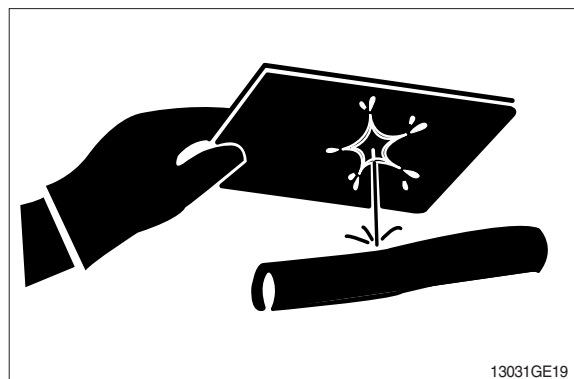
## AVOID HIGH PRESSURE FLUIDS

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:

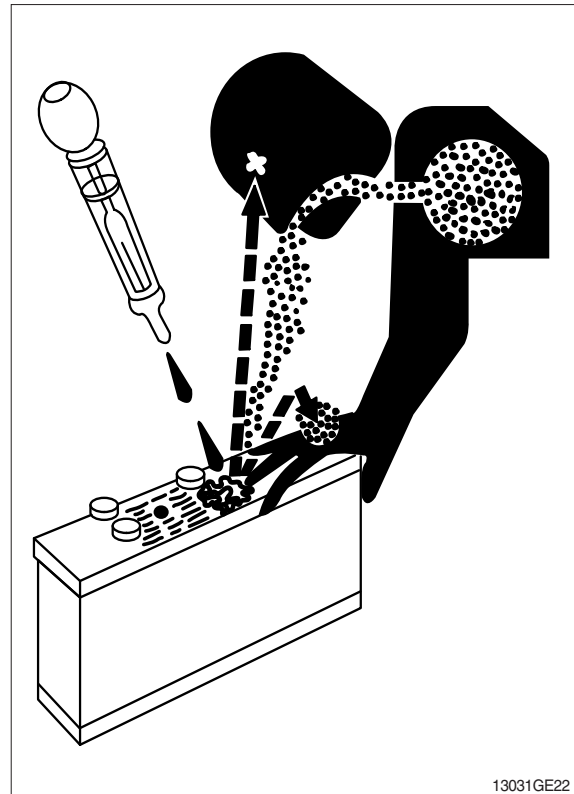
1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.
5. Use proper jump start procedure.

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.



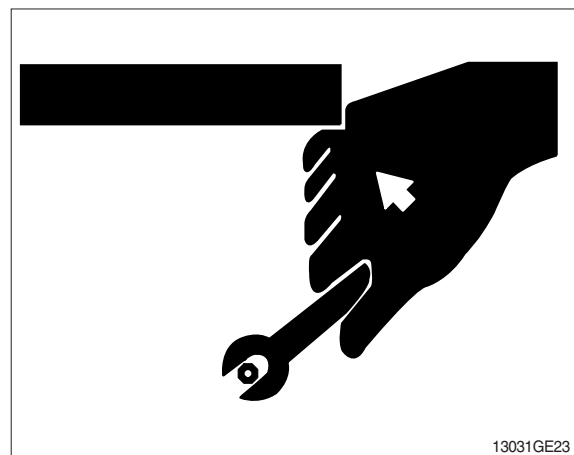
## USE TOOLS PROPERLY

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.)

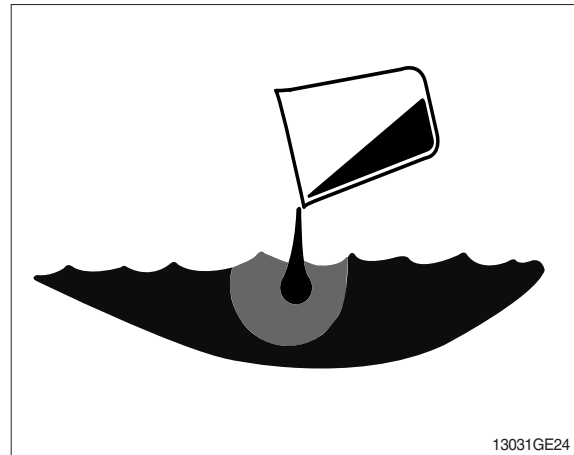


## DISPOSE OF FLUIDS PROPERLY

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.

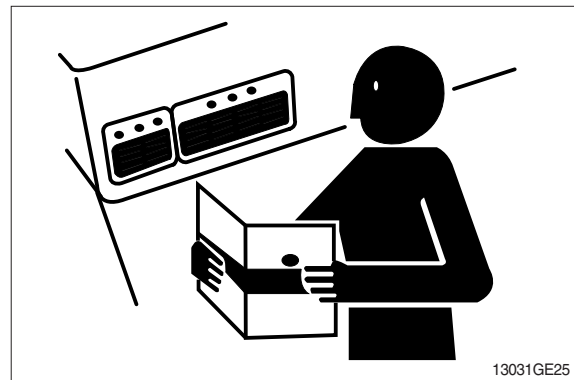
Use proper containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

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.

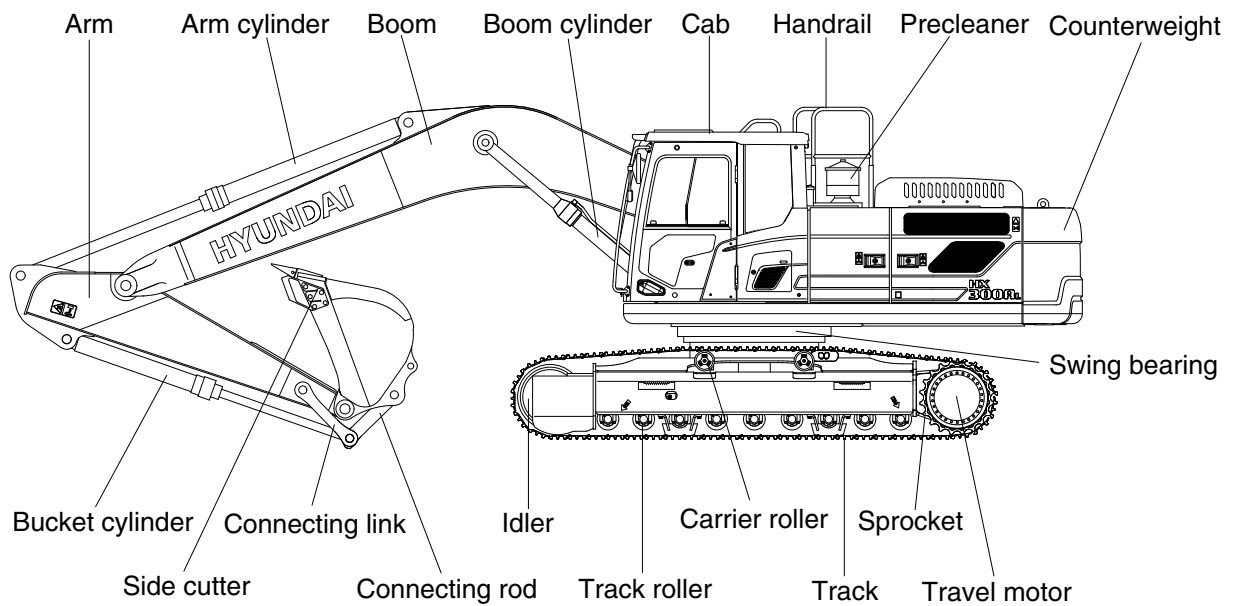
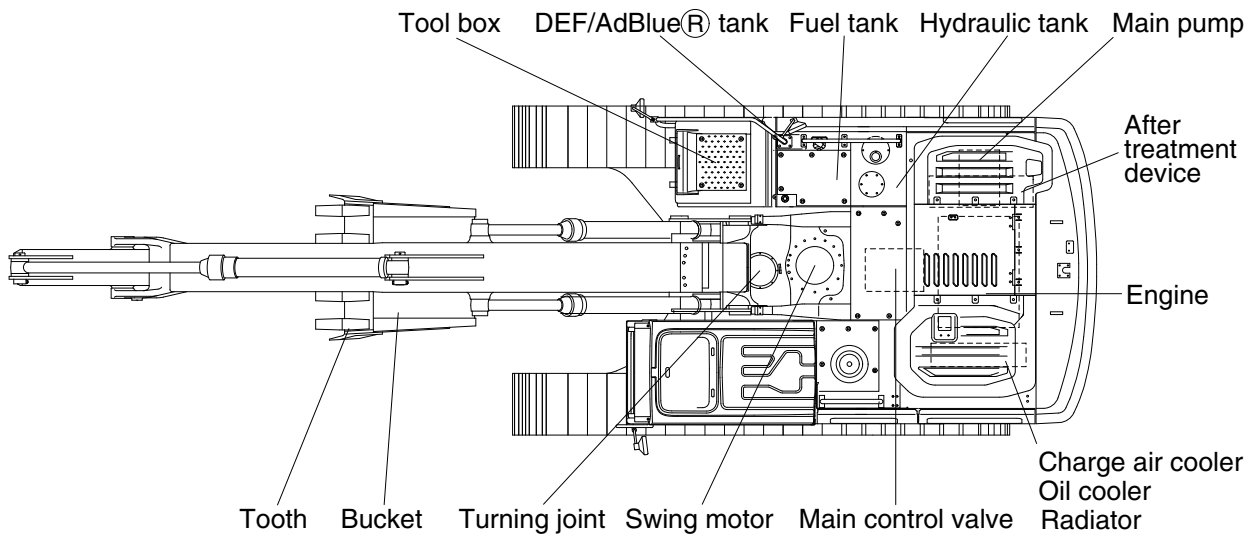


## LIVE WITH SAFETY

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

## GROUP 2 SPECIFICATIONS

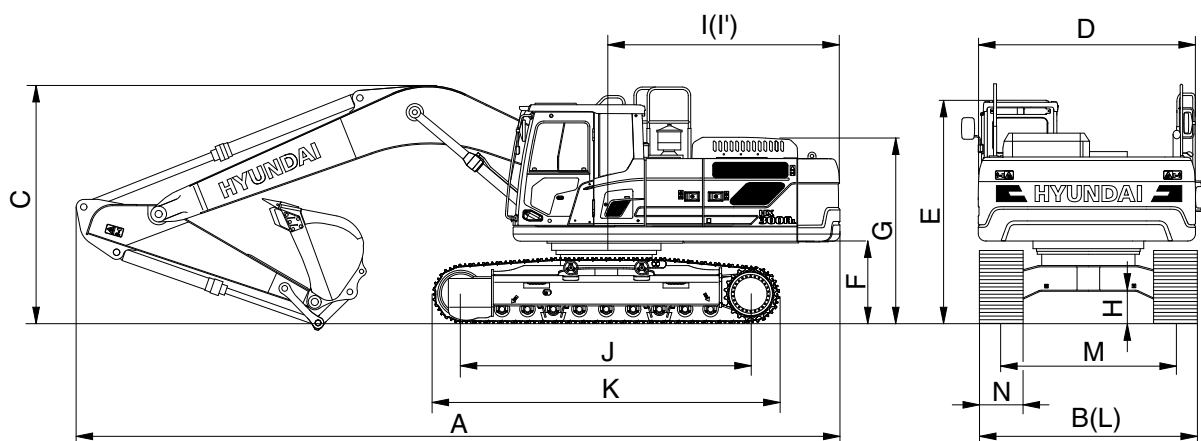
### 1. MAJOR COMPONENT



300A2SP01

## 2. SPECIFICATIONS

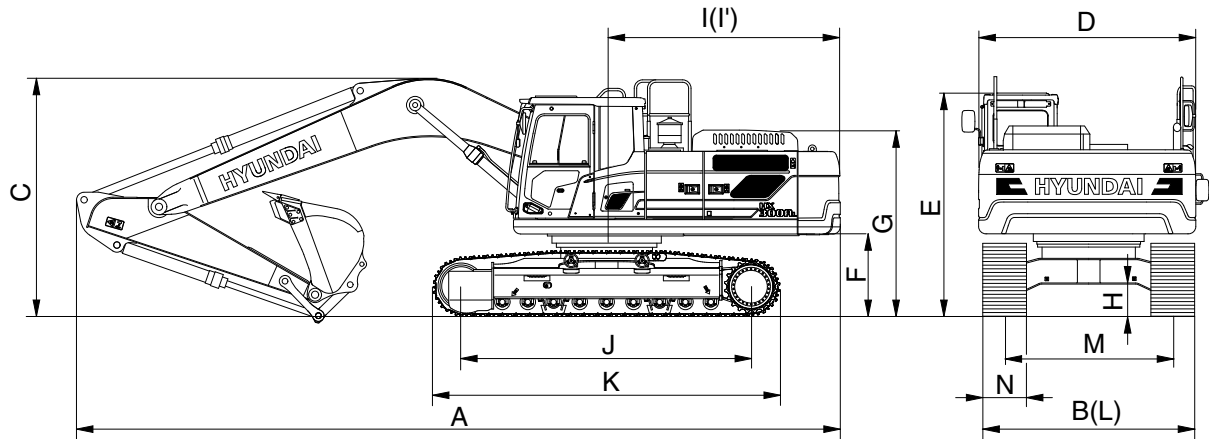
### 1) HX300A L, MONO BOOM



300A2SP02

Description	Unit		Specification			
	m (ft-in)	Boom	6.25 (20' 6")			
		Arm	3.10 (10' 2")	2.10 (6' 11")	2.50 (8' 2")	3.75 (12' 4")
	mm (in)	Shoe	600 (24)			
Operating weight	kg (lb)		30520 (67290)	30310 (66820)	30400 (67020)	30640 (67550 )
Bucket capacity (SAE heaped), standard	m <sup>3</sup> (yd <sup>3</sup> )		1.27 (1.66)	1.27 (1.66)	1.27 (1.66)	1.27 (1.66)
Overall length	A	mm (ft-in)	10560 (34' 8")	10710 (35' 2")	10670 (35' 0")	10630 (34' 11")
Overall width	B		3400 (11' 2")	3400 (11' 2")	3400 (11' 2")	3400 (11' 2")
Overall height of boom	C		3335 (10' 11")	3580 (11' 9")	3485 (11' 5")	3535 (11' 7")
Superstructure width	D		2980 (9' 10")	2980 (9' 10")	2980 (9' 10")	2980 (9' 10")
Overall height of cab	E		3125 (10' 3")	3125 (10' 3")	3125 (10' 3")	3125 (10' 3")
Ground clearance of counterweight	F		1180 (3' 10")	1180 (3' 10")	1180 (3' 10")	1180 (3' 10")
Overall height of engine hood	G		2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	2600 (8' 6")
Overall height of guardrail	G'		3330 (10' 11")	3330 (10' 11")	3330 (10' 11")	3330 (10' 11")
Minimum ground clearance	H		500 (1' 8")	500 (1' 8")	500 (1' 8")	500 (1' 8")
Rear-end distance	I		3120 (10' 3")	3120 (10' 3")	3120 (10' 3")	3120 (10' 3")
Rear-end swing radius	I'		3210 (10' 7")	3210 (10' 7")	3210 (10' 7")	3210 (10' 7")
Distance between tumblers	J		4040 (13' 3")	4040 (13' 3")	4040 (13' 3")	4040 (13' 3")
Undercarriage length	K		4940 (16' 2")	4940 (16' 2")	4940 (16' 2")	4940 (16' 2")
Undercarriage width	L		3200 (10' 6")	3200 (10' 6")	3200 (10' 6")	3200 (10' 6")
Track gauge	M		2600 (8' 7")	2600 (8' 7")	2600 (8' 7")	2600 (8' 7")
Track shoe width, standard	N		600 (1' 12")	600 (1' 12")	600 (1' 12")	600 (1' 12")
Travel speed (low/high)	km/hr (mph)		3.4/6.1 (2.1/3.8)	3.4/6.1 (2.1/3.8)	3.4/6.1 (2.1/3.8)	3.4/6.1 (2.1/3.8)
Swing speed	rpm		11.2	11.2	11.2	11.2
Gradeability	Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure	kgf/cm <sup>2</sup> (psi)		0.59 (8.35)	0.58 (8.3)	0.59 (8.32)	0.60 (8.52)
Max traction force	kg (lb)		27405 (60418)	27405 (60418)	27405 (60418)	27405 (60418)

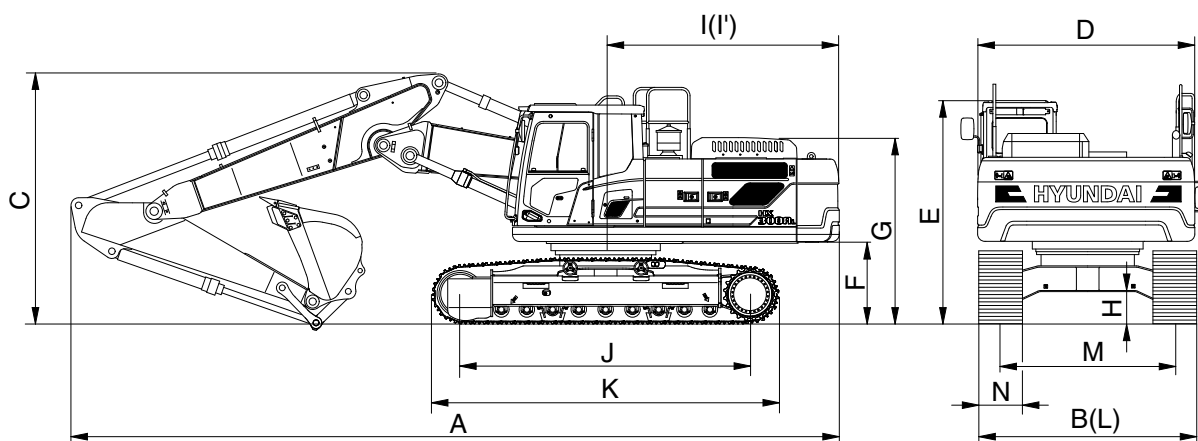
## 2) HX300A NL, MONO BOOM



300A2SP04

Description	Unit		Specification			
	m (ft-in)	Boom	6.25 (20' 6")			
		Arm	3.10 (10' 2")	2.10 (6' 11")	2.50 (8' 2")	3.75 (12' 4")
	mm (in)	Shoe	600 (24)			
Operating weight	kg (lb)		30400 (67020)	30200 (66580)	30280 (66760)	30530 (67310)
Bucket capacity (SAE heaped), standard	m³ (yd³)		1.27 (1.66)	1.27 (1.66)	1.27 (1.66)	1.27 (1.66)
Overall length	A	mm (ft-in)	10560 (34' 8")	10710 (35' 2")	10670 (35' 0")	10630 (34' 11")
Overall width	B		3190 (10' 6")	3190 (10' 6")	3190 (10' 6")	3190 (10' 6")
Overall height of boom	C		3335 (10' 11")	3580 (11' 9")	3485 (11' 5")	3535 (11' 7")
Superstructure width	D		2980 (9' 10")	2980 (9' 10")	2980 (9' 10")	2980 (9' 10")
Overall height of cab	E		3125 (10' 3")	3125 (10' 3")	3125 (10' 3")	3125 (10' 3")
Ground clearance of counterweight	F		1180 (3' 10")	1180 (3' 10")	1180 (3' 10")	1180 (3' 10")
Overall height of engine hood	G		2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	2600 (8' 6")
Overall height of handrail	G'		3330 (10' 11")	3330 (10' 11")	3330 (10' 11")	3330 (10' 11")
Minimum ground clearance	H		500 (1' 8")	500 (1' 8")	500 (1' 8")	500 (1' 8")
Rear-end distance	I		3120 (10' 3")	3120 (10' 3")	3120 (10' 3")	3120 (10' 3")
Rear-end swing radius	I'		3210 (10' 7")	3210 (10' 7")	3210 (10' 7")	3210 (10' 7")
Distance between tumblers	J		4040 (13' 3")	4040 (13' 3")	4040 (13' 3")	4040 (13' 3")
Undercarriage length	K		4940 (16' 2")	4940 (16' 2")	4940 (16' 2")	4940 (16' 2")
Undercarriage width	L		2990 (9' 10")	2990 (9' 10")	2990 (9' 10")	2990 (9' 10")
Track gauge	M		2400 (7' 10")	2400 (7' 10")	2400 (7' 10")	2400 (7' 10")
Track shoe width, standard	N		600 (1' 12")	600 (1' 12")	600 (1' 12")	600 (1' 12")
Travel speed (low/high)	km/hr (mph)		3.4/6.1 (2.1/3.8)	3.4/6.1 (2.1/3.8)	3.4/6.1 (2.1/3.8)	3.4/6.1 (2.1/3.8)
Swing speed	rpm		11.2	11.2	11.2	11.2
Gradeability	Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure	kgf/cm² (psi)		0.59 (8.32)	0.58 (8.27)	0.58 (8.29)	0.59 (8.36)
Max traction force	kg (lb)		27405 (60418)	27405 (60418)	27405 (60418)	27405 (60418)

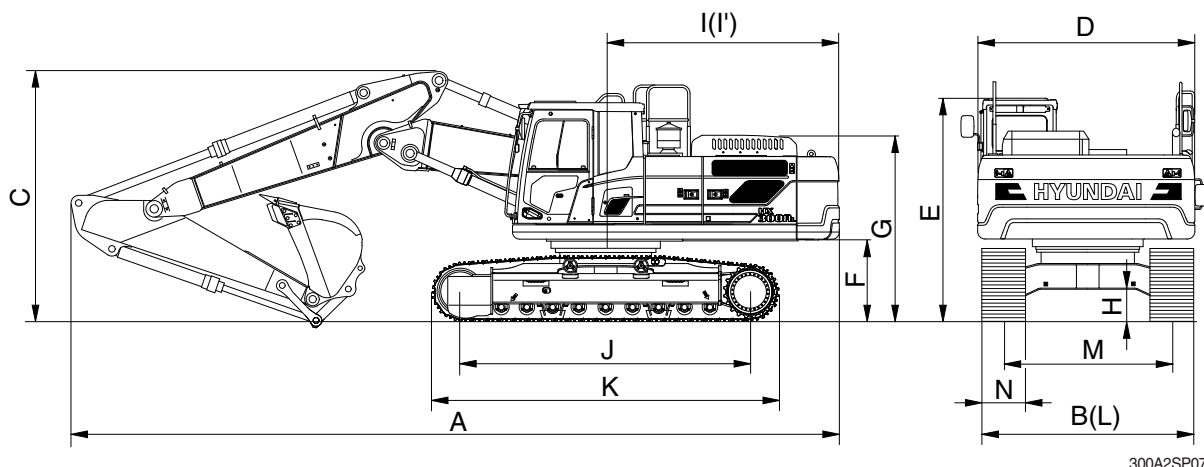
### 3) HX300A L, 2-PIECE BOOM



300A2SP03

Description		Unit		Specification			
		m (ft-in)	Boom	6.25 (20' 6")			
			Arm	3.10 (10' 0")	2.10 (6' 11")	2.50 (8' 2")	3.75 (12' 4")
		mm (in)	Shoe	600 (24)			
Operating weight		kg (lb)	33670 (74230)	33470 (73790)	33550 (73970)	33800 (74520)	
Bucket capacity (SAE heaped), standard		m³ (yd³)	1.27 (1.66)	1.27 (1.66)	1.27 (1.66)	1.27 (1.66)	
Overall length	A	mm (ft-in)	10635 (34' 11")	10700 (35' 1")	10695 (35' 1")	10615 (34' 10")	
Overall width	B		3400 (11' 2")	3400 (11' 2")	3400 (11' 2")	3400 (11' 2")	
Overall height of boom	C		3490 (11' 5")	3510 (11' 6")	3495 (11' 6")	3735 (12' 3")	
Superstructure width	D		2980 (9' 10")	2980 (9' 10")	2980 (9' 10")	2980 (9' 10")	
Overall height of cab	E		3125 (10' 3")	3125 (10' 3")	3125 (10' 3")	3125 (10' 3")	
Ground clearance of counterweight	F		1180 (3' 10")	1180 (3' 10")	1180 (3' 10")	1180 (3' 10")	
Overall height of engine hood	G		2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	
Overall height of guardrail	G'		3330 (10' 11")	3330 (10' 11")	3330 (10' 11")	3330 (10' 11")	
Minimum ground clearance	H		500 (1' 8")	500 (1' 8")	500 (1' 8")	500 (1' 8")	
Rear-end distance	I		3120 (10' 3")	3120 (10' 3")	3120 (10' 3")	3120 (10' 3")	
Rear-end swing radius	I'		3210 (10' 7")	3210 (10' 7")	3210 (10' 7")	3210 (10' 7")	
Distance between tumblers	J		4040 (13' 3")	4040 (13' 3")	4040 (13' 3")	4040 (13' 3")	
Undercarriage length	K		4940 (16' 2")	4940 (16' 2")	4940 (16' 2")	4940 (16' 2")	
Undercarriage width	L		3200 (10' 6")	3200 (10' 6")	3200 (10' 6")	3200 (10' 6")	
Track gauge	M		2600 (8' 7")	2600 (8' 7")	2600 (8' 7")	2600 (8' 7")	
Track shoe width, standard	N		600 (1' 12")	600 (1' 12")	600 (1' 12")	600 (1' 12")	
Travel speed (low/high)		km/hr (mph)	3.4/6.1 (2.1/3.8)	3.4/6.1 (2.1/3.8)	3.4/6.1 (2.1/3.8)	3.4/6.1 (2.1/3.8)	
Swing speed		rpm	11.2	11.2	11.2	11.2	
Gradeability		Degree (%)	35 (70)	35 (70)	35 (70)	35 (70)	
Ground pressure		kgf/cm² (psi)	0.65 (9.22)	0.64 (9.16)	0.65 (9.18)	0.65 (9.18)	
Max traction force		kg (lb)	27405 (60418)	27405 (60418)	27405 (60418)	27405 (60418)	

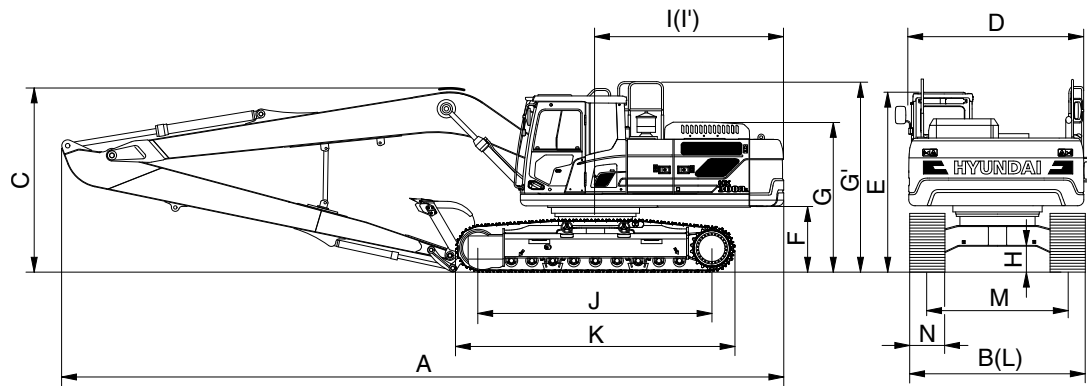
#### 4) HX300A NL, 2-PIECE BOOM



300A2SP07

Description	Unit		Specification			
	m (ft-in)	Boom	6.25 (20' 6")			
		Arm	3.10 (10' 0")	2.10 (6' 11")	2.50 (8' 2")	3.75 (12' 4")
	mm (in)	Shoe	600 (24)			
Operating weight	kg (lb)		33550 (73970)	33350 (73520)	33430 (73700)	33680 (74250)
Bucket capacity (SAE heaped), standard	m <sup>3</sup> (yd <sup>3</sup> )		1.27 (1.66)	1.27 (1.66)	1.27 (1.66)	1.27 (1.66)
Overall length	A	mm (ft-in)	10635 (34' 11")	10700 (35' 1")	10695 (35' 1")	10615 (34' 10")
Overall width	B		3190 (10' 6")	3190 (10' 6")	3190 (10' 6")	3400 (11' 2")
Overall height of boom	C		3490 (11' 5")	3510 (11' 6")	3495 (11' 6")	3735 (12' 3")
Superstructure width	D		2980 (9' 10")	2980 (9' 10")	2980 (9' 10")	2980 (9' 10")
Overall height of cab	E		3125 (10' 3")	3125 (10' 3")	3125 (10' 3")	3125 (10' 3")
Ground clearance of counterweight	F		1180 (3' 10")	1180 (3' 10")	1180 (3' 10")	1180 (3' 10")
Overall height of engine hood	G		2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	2600 (8' 6")
Overall height of guardrail	G'		3330 (10' 11")	3330 (10' 11")	3330 (10' 11")	3330 (10' 11")
Minimum ground clearance	H		500 (1' 8")	500 (1' 8")	500 (1' 8")	500 (1' 8")
Rear-end distance	I		3120 (10' 3")	3120 (10' 3")	3120 (10' 3")	3120 (10' 3")
Rear-end swing radius	I'		3210 (10' 7")	3210 (10' 7")	3210 (10' 7")	3210 (10' 7")
Distance between tumblers	J		4040 (13' 3")	4040 (13' 3")	4040 (13' 3")	4040 (13' 3")
Undercarriage length	K		4940 (16' 2")	4940 (16' 2")	4940 (16' 2")	4940 (16' 2")
Undercarriage width	L		2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Track gauge	M		2400 (7' 10")	2400 (7' 10")	2400 (7' 10")	2400 (7' 10")
Track shoe width, standard	N		600 (1' 12")	600 (1' 12")	600 (1' 12")	600 (1' 12")
Travel speed (low/high)	km/hr (mph)		3.4/6.1 (2.1/3.8)	3.4/6.1 (2.1/3.8)	3.4/6.1 (2.1/3.8)	3.4/6.1 (2.1/3.8)
Swing speed	rpm		11.2	11.2	11.2	11.2
Gradeability	Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure	kgf/cm <sup>2</sup> (psi)		0.65 (9.22)	0.64 (9.16)	0.65 (9.18)	0.65 (9.18)
Max traction force	kg (lb)		27405 (60418)	27405 (60418)	27405 (60418)	27405 (60418)

## 5) HX300A LR

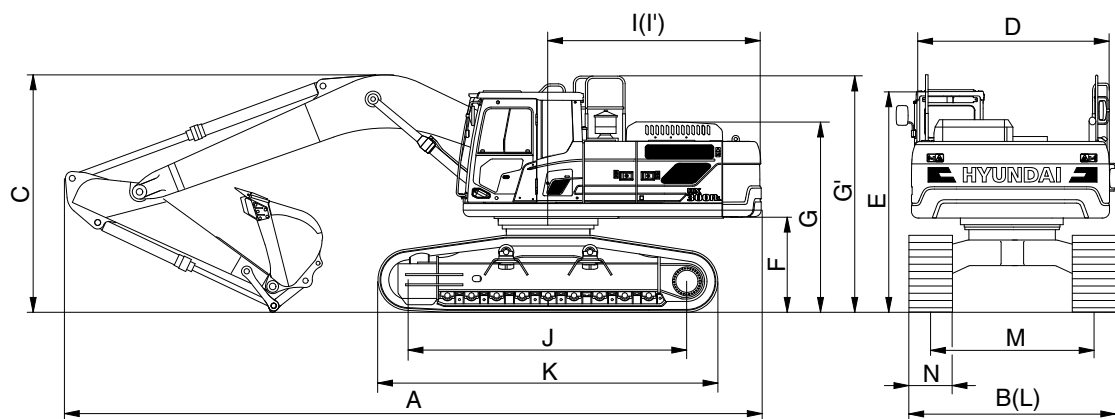


300A2SP05

Description		Unit		Specification
		m (ft-in)	Boom	10.2 (33' 6")
			Arm	7.85 (25' 9")
		mm (in)	Shoe	800 (32)
Operating weight		kg (lb)		33590 (74050)
Bucket capacity (SAE heaped), standard		m <sup>3</sup> (yd <sup>3</sup> )		0.52 (0.68)
Overall length	A	mm (ft-in)		14600 (47' 11")
Overall width	B			3400 (11' 2")
Overall height of boom	C			3560 (11' 8")
Superstructure width	D			2980 (9' 10")
Overall height of cab	E			3125 (10' 3")
Ground clearance of counterweight	F			1180 (3' 10")
Overall height of engine hood	G			2600 (8' 6")
Overall height of guardrail	G'			3330 (10' 11")
Minimum ground clearance	H			500 (1' 8")
Rear-end distance	I			3120 (10' 3")
Rear-end swing radius	I'			3210 (10' 7")
Distance between tumblers	J			4040 (13' 3")
Undercarriage length	K			4940 (16' 2")
Undercarriage width	L			3400 (11' 2")
Track gauge	M			2600 (8' 7")
Track shoe width, standard	N			800 (2' 7")
Travel speed (low/high)		km/hr (mph)		3.4/6.1 (2.1/3.8)
Swing speed		rpm		11.2
Gradeability		Degree (%)		35 (70)
Ground pressure		kgf/cm <sup>2</sup> (psi)		0.48 (6.90)
Max traction force		kg (lb)		27405 (60418)



## 6) HX300A HW, MONO BOOM

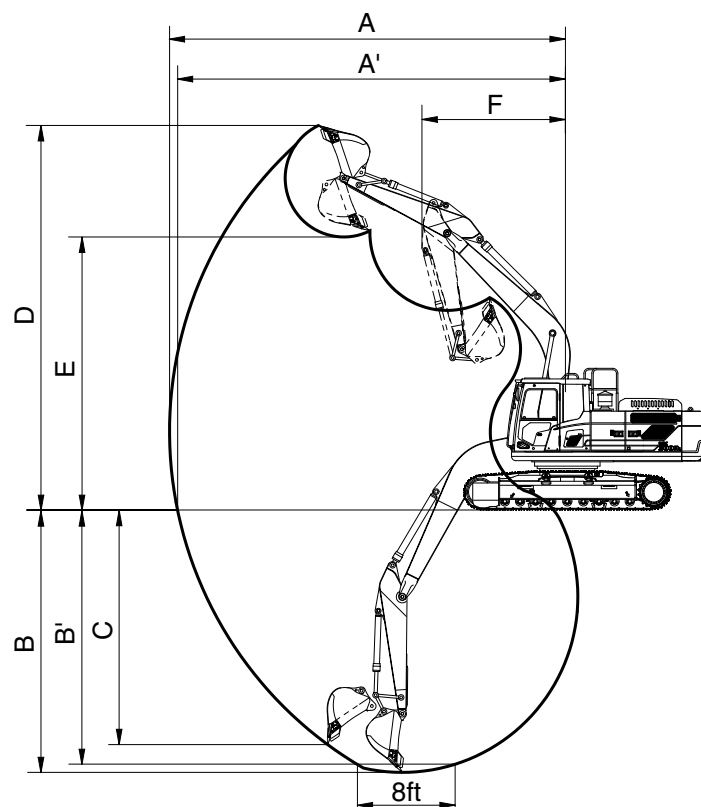


300A2SP06

Description	Unit		Specification				
	m (ft-in)	Boom	6.25 (20' 6")				10.2 (33' 6")
		Arm	3.10(10' 2")	2.10(6' 11")	2.50(8' 2")	3.75(12' 4")	7.85(25' 9")
	mm (in)	Shoe	700 (28)				
Operating weight	kg (lb)		34810(76740)	34610(76300)	34690(76480)	34940(77030)	33590(74050)
Bucket capacity (SAE heaped), standard	m <sup>3</sup> (yd <sup>3</sup> )		1.27(1.66)	1.27(1.66)	1.27(1.66)	1.27(1.66)	0.52(0.68)
Overall length	A	mm (ft-in)	10410(34' 2")	10680(35' 0")	10595(34' 9")	10510(34' 6")	14470(47' 6")
Overall width	B		3670(12' 1")	3670(12' 1")	3670(12' 1")	3670(12' 1")	3670(12' 1")
Overall height of boom	C		3385(11' 1")	3715(12' 2")	3590(11' 9")	3520(11' 7")	3610(11' 10")
Superstructure width	D		2980(9' 9")	2980(9' 9")	2980(9' 9")	2980(9' 9")	2980(9' 9")
Overall height of cab	E		3430(11' 3")	3430(11' 3")	3430(11' 3")	3430(11' 3")	3430(11' 3")
Ground clearance of counterweight	F		1490(4' 11")	1490(4' 11")	1490(4' 11")	1490(4' 11")	1490(4' 11")
Overall height of engine hood	G		2910(9' 7")	2910(9' 7")	2910(9' 7")	2910(9' 7")	2910(9' 7")
Overall height of guardrail	G'		3640(11' 11")	3640(11' 11")	3640(11' 11")	3640(11' 11")	3640(11' 11")
Minimum ground clearance	H		765(2' 6")	765(2' 6")	765(2' 6")	765(2' 6")	765(2' 6")
Rear-end distance	I		3120(10' 3")	3120(10' 3")	3120(10' 3")	3120(10' 3")	3120(10' 3")
Rear-end swing radius	I'		3210(10' 7")	3210(10' 7")	3210(10' 7")	3210(10' 7")	3210(10' 7")
Distance between tumblers	J		4030(13' 3")	4030(13' 3")	4030(13' 3")	4030(13' 3")	4030(13' 3")
Undercarriage length	K		4940(16' 2")	4940(16' 2")	4940(16' 2")	4940(16' 2")	4940(16' 2")
Undercarriage width	L		3570(11' 9")	3570(11' 9")	3570(11' 9")	3570(11' 9")	3570(11' 9")
Track gauge	M		2870(9' 5")	2870(9' 5")	2870(9' 5")	2870(9' 5")	2870(9' 5")
Track shoe width, standard	N		700(2' 4")	700(2' 4")	700(2' 4")	700(2' 4")	700(2' 4")
Travel speed (low/high)	km/hr (mph)		2.9/4.8(1.8/3.0)	2.9/4.8(1.8/3.0)	2.9/4.8(1.8/3.0)	2.9/4.8(1.8/3.0)	2.9/4.8(1.8/3.0)
Swing speed	rpm		11.2	11.2	11.2	11.2	11.2
Gradeability	Degree (%)		35(70)	35(70)	35(70)	35(70)	35(70)
Ground pressure	kgf/cm <sup>2</sup> (psi)		0.57(8.15)	0.57(8.1)	0.57(8.12)	0.58(8.18)	0.58(8.18)
Max traction force	kg (lb)		31613(69695)	31613(69695)	31613(69695)	31613(69695)	31613(69695)

### 3. WORKING RANGE AND DIGGING FORCE

#### 1) HX300A L/NL, MONO BOOM

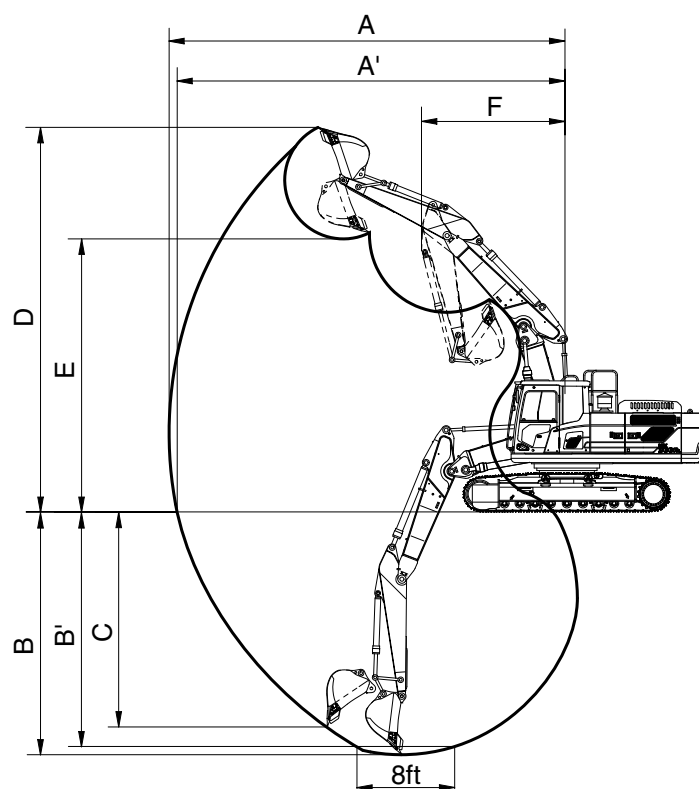


300A2SP10

Description	m (ft-in)	Boom	6.25 (20' 6")			
		Arm	2.10 (6' 11")	2.50 (8' 2")	3.10 (10' 2")	3.75 (12' 4")
Max digging reach	mm (ft-in)	A	9945 (32' 8")	10255 (33' 8")	10815 (35' 6")	11345 (37' 3")
Max digging reach on ground		A'	9720 (31' 11")	10035 (32' 11")	10610 (34' 10")	11145 (36' 7")
Max digging depth		B	6225 (20' 5")	6625 (21' 9")	7225 (23' 8")	7880 (25' 10")
Max digging depth (8 ft level)		B'	6000 (19' 8")	6410 (21' 0")	7045 (23' 1")	7705 (25' 3")
Max vertical wall digging depth		C	5715 (18' 9")	6135 (20' 2")	6725 (22' 1")	7305 (24' 0")
Max digging height		D	10080 (33' 1")	10100 (33' 2")	10405 (34' 2")	10485 (34' 5")
Max dumping height		E	6975 (22' 11")	7040 (23' 1")	7335 (24' 1")	7450 (24' 5")
Min swing radius		F	4185 (13' 9")	3780 (12' 5")	4095 (13' 5")	4150 (13' 7")
Bucket digging force	kN	SAE	163.5 [177.5]	163.5 [177.5]	163.5 [177.5]	163.6 [177.6]
	kgf		16670 [18100]	16670 [18100]	16670 [18100]	16680 [18110]
	lbf		36750 [39900]	36750 [39900]	36750 [39900]	36770 [39930]
	kN	ISO	189.9 [206.1]	189.9 [206.1]	189.9 [206.1]	190.0 [206.2]
	kgf		19360 [21020]	19360 [21020]	19360 [21020]	19370 [21030]
	lbf		42680 [46340]	42680 [46340]	42680 [46340]	42700 [46360]
Arm digging force	kN	SAE	176.0 [191.1]	151.0 [164.0]	125.0 [135.7]	111.5 [121.0]
	kgf		17950 [19490]	15400 [16720]	12750 [13840]	11370 [12340]
	lbf		39570 [42970]	33950 [36860]	28110 [30510]	25070 [27210]
	kN	ISO	185.9 [201.9]	158.5 [172.1]	130.3 [141.5]	115.6 [125.5]
	kgf		18960 [20590]	16160 [17550]	13290 [14430]	11790 [12800]
	lbf		41800 [45390]	35630 [38690]	29300 [31810]	25990 [28220]

[ ] : Power boost

## 2) HX300A L/NL, 2-PIECE BOOM

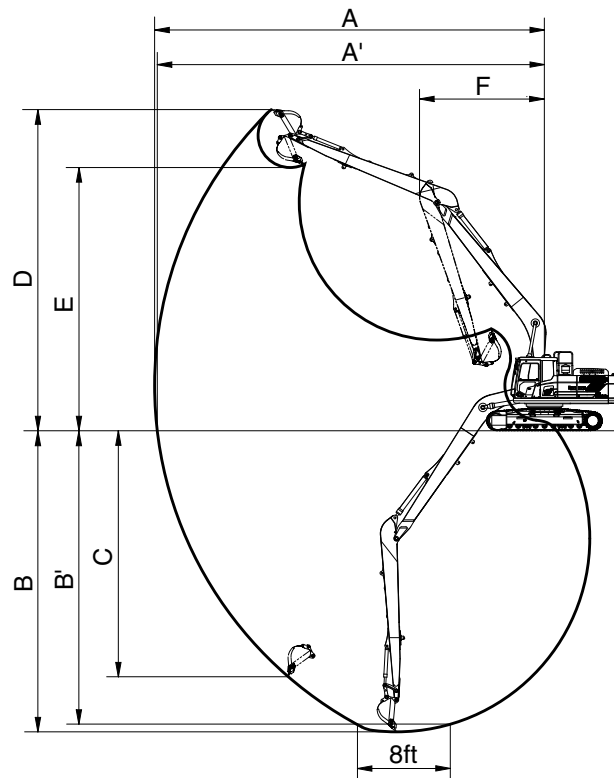


300A2SP11

Description	m (ft-in)	Boom	6.25 (20' 6")			
		Arm	2.10 (6' 11")	2.50 (8' 2")	3.10 (10' 2")	3.75 (12' 4")
Max digging reach	mm (ft-in)	A	10040 (32' 11")	10375 (34' 0")	10955 (35' 11")	11510 (37' 9")
Max digging reach on ground		A'	9815 (32' 2")	10155 (33' 4")	10750 (35' 3")	11315 (37' 1")
Max digging depth		B	5970 (19' 7")	6340 (20' 10")	6935 (22' 9")	7545 (24' 9")
Max digging depth (8 ft level)		B'	5855 (19' 3")	6230 (20' 5")	6380 (20' 11")	7455 (24' 6")
Max vertical wall digging depth		C	4020 (13' 2")	4430 (14' 6")	4920 (16' 2")	5580 (18' 4")
Max digging height		D	11475 (37' 8")	11700 (38' 5")	12180 (40' 0")	12540 (41' 2")
Max dumping height		E	8245 (27' 1")	8470 (27' 9")	8950 (29' 4")	9310 (30' 7")
Min swing radius		F	3315 (10' 11")	3150 (10' 4")	2980 (9' 9")	3185 (10' 5")
Bucket digging force	kN	SAE	163.5 [177.5]	163.5 [177.5]	163.5 [177.5]	163.6 [177.6]
	kgf		16670 [18100]	16670 [18100]	16670 [18100]	16680 [18110]
	lbf		36750 [39900]	36750 [39900]	36750 [39900]	36770 [39930]
	kN	ISO	189.9 [206.1]	189.9 [206.1]	189.9 [206.1]	190.0 [206.2]
	kgf		19360 [21020]	19360 [21020]	19360 [21020]	19370 [21030]
	lbf		42680 [46340]	42680 [46340]	42680 [46340]	42700 [46360]
Arm digging force	kN	SAE	176.0 [191.1]	151.0 [164.0]	125.0 [135.7]	111.5 [121.0]
	kgf		17950 [19490]	15400 [16720]	12750 [13840]	11370 [12340]
	lbf		39570 [42970]	33950 [36860]	28110 [30510]	25070 [27210]
	kN	ISO	185.9 [201.9]	158.5 [172.1]	130.3 [141.5]	115.6 [125.5]
	kgf		18960 [20590]	16160 [17550]	13290 [14430]	11790 [12800]
	lbf		41800 [45390]	35630 [38690]	29300 [31810]	25990 [28220]

[ ] : Power boost

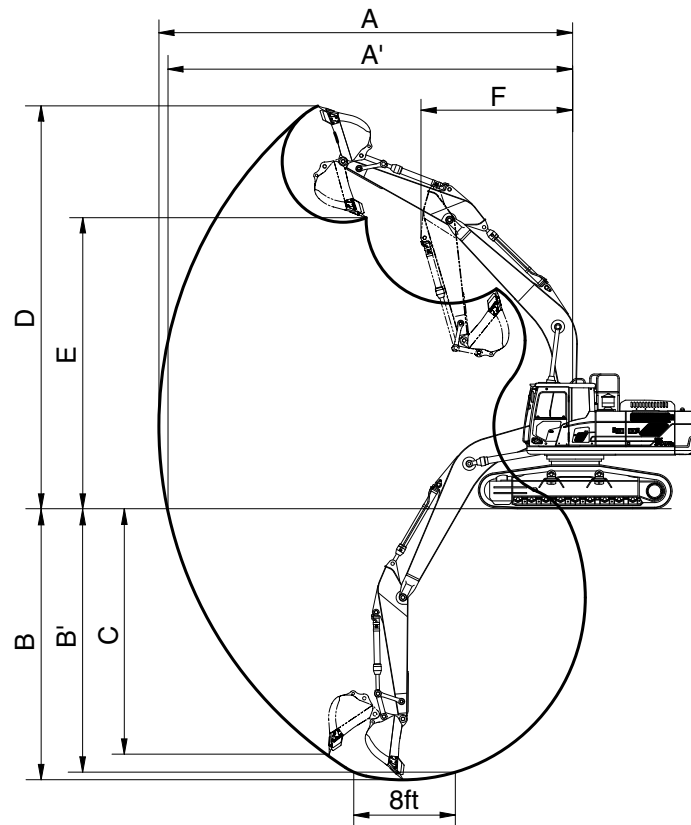
### 3) HX300A LR



300A2SP12

Description	m (ft-in)	Boom	10.2 (33' 6")
		Arm	7.85 (25' 9")
Max digging reach	mm (ft-in)	A	18530 (60' 10")
Max digging reach on ground		A'	18410 (60' 5")
Max digging depth		B	14740 (48' 4")
Max digging depth (8 ft level)		B'	14660 (48' 1")
Max vertical wall digging depth		C	13700 (44' 11")
Max digging height		D	14590 (47' 10")
Max dumping height		E	12270 (40' 3")
Min swing radius		F	6270 (20' 7")
Bucket digging force	kN	SAE	70.6
	kgf		7200
	lbf		15870
	kN	ISO	82.4
	kgf		8400
	lbf		18520
Arm digging force	kN	SAE	47.1
	kgf		4800
	lbf		10580
	kN	ISO	48.1
	kgf		4900
	lbf		10800

#### 4) HX300A HW



300A2SP13

Description	m (ft-in)	Boom	6.25 (20' 6")				10.2 (33' 6")
		Arm	2.10 (6' 11")	2.50 (8' 2")	3.10 (10' 2")	3.75 (12' 4")	7.85 (25' 9")
Max digging reach	mm (ft-in)	A	9945 (32' 8")	10255 (33' 8")	10815 (35' 6")	11345 (37' 3")	18530 (60' 10")
Max digging reach on ground		A'	9635 (31' 7")	9955 (32' 8")	10535 (34' 7")	11075 (36' 4")	18370 (60' 3")
Max digging depth		B	5880 (19' 3")	6285 (20' 7")	6885 (22' 7")	7535 (24' 9")	14420 (47' 4")
Max digging depth (8 ft level)		B'	5660 (18' 7")	6070 (19' 11")	6705 (22' 0")	7360 (24' 2")	14340 (47' 1")
Max vertical wall digging depth		C	5370 (17' 7")	5795 (19' 0")	6385 (20' 11")	6965 (22' 10")	13380 (43' 11")
Max digging height		D	10420 (34' 2")	10440 (34' 3")	10745 (35' 3")	10825 (35' 6")	14910 (48' 11")
Max dumping height		E	7315 (24' 0")	7380 (24' 3")	7675 (25' 2")	7790 (25' 7")	12590 (41' 4")
Min swing radius		F	4185 (13' 9")	3780 (12' 5")	4095 (13' 5")	4150 (13' 7")	6270 (20' 7")
Bucket digging force	kN	SAE	163.5 [177.5]	163.5 [177.5]	163.5 [177.5]	163.6 [177.6]	70.6
	kgf		16670 [18100]	16670 [18100]	16670 [18100]	16680 [18110]	7200
	lbf		36750 [39900]	36750 [39900]	36750 [39900]	36770 [39930]	15870
	kN	ISO	189.9 [206.1]	189.9 [206.1]	189.9 [206.1]	190.0 [206.2]	82.4
	kgf		19360 [21020]	19360 [21020]	19360 [21020]	19370 [21030]	8400
	lbf		42680 [46340]	42680 [46340]	42680 [46340]	42700 [46360]	18520
Arm digging force	kN	SAE	176.0 [191.1]	151.0 [164.0]	125.0 [135.7]	111.5 [121.0]	47.1
	kgf		17950 [19490]	15400 [16720]	12750 [13840]	11370 [12340]	4800
	lbf		39570 [42970]	33950 [36860]	28110 [30510]	25070 [27210]	10580
	kN	ISO	185.9 [201.9]	158.5 [172.1]	130.3 [141.5]	115.6 [125.5]	48.1
	kgf		18960 [20590]	16160 [17550]	13290 [14430]	11790 [12800]	4900
	lbf		41800 [45390]	35630 [38690]	29300 [31810]	25990 [28220]	10800

[ ] : Power boost

## 4. WEIGHT

Item	HX300A L		HX300A NL		HX300A LR		HX300A HW	
	kg	lb	kg	lb	kg	lb	kg	lb
Upperstructure assembly								
· Main frame weld assembly	2,839	6,259	2,839	6,259	2,839	6,259	2,853	6,290
· Engine assembly	583	1,285	583	1,285	583	1,285	583	1,285
· Aftertreatment assembly	77	169	77	169	77	169	77	169
· Main pump assembly	181	399	181	399	181	399	181	399
· Main control valve assembly	220	485	220	485	220	485	220	485
· Swing motor assembly	345	761	345	761	345	761	345	761
· Hydraulic oil tank WA	205	451	205	451	205	451	205	451
· Fuel tank WA	235	518	235	518	235	518	235	518
· Counterweight	5,100	11,244	5,100	11,244	7,000	15,432	5,100	11,244
· Cab assembly	570	1,257	570	1,257	570	1,257	570	1,257
Lower chassis assembly								
· Track frame weld assembly	3,875	8,543	3,756	8,281	3,875	8,543	6,600	14,551
· Swing bearing	500	1,102	500	1,102	500	1,102	500	1,102
· Travel motor assembly (2EA)	886	1,954	886	1,954	886	1,954	886	1,954
· Turning joint	54	117	54	117	54	117	54	117
· Sprocket (2EA)	170	375	170	375	170	375	180	397
· Track recoil spring (2EA)	450	992	450	992	450	992	450	992
· Idler (2EA)	500	1,102	500	1,102	500	1,102	500	1,102
· Carrier roller (2EA)	140	309	140	309	140	309	240	529
· Track roller (18EA)	1,070	2,359	1,070	2,359	1,070	2,359	1,070	2,359
· Track-chain assembly (600 mm triple grouser shoe) (2EA)	3,760	8,289	3,760	8,289	-	-	-	-
· Track-chain assembly (700 mm triple grouser shoe) (2EA)	4,330	9,546	-	-	-	-	-	-
· Track-chain assembly (700 mm double grouser shoe) (2EA)	-	-	-	-	-	-	5,240	11,552
· Track-chain assembly (800 mm triple grouser shoe) (2EA)	4,710	10,384	-	-	4,710	10,384	-	-
· Track-chain assembly (900 mm standard triple grouser shoe) (2EA)	5,090	11,221	-	-	-	-	-	-
Front attachment assembly								
· 6.25 m boom assembly	2,400	5,291	2,400	5,291	2,400	5,291	2,400	5,291
· 3.05 m arm assembly	1,070	2,359	1,070	2,359	1,070	2,359	1,070	2,359
· 1.27 m³ SAE heaped bucket	1,130	2,491	1,130	2,491	1,130	2,491	1,130	2,491
· 10.2 m boom assembly	3,150	6,944	3,150	6,944	3,150	6,944	3,150	6,944
· 7.85 m arm assembly	1,425	3,142	1,425	3,142	1,425	3,142	1,425	3,142
· 0.52 m³ SAE heaped bucket	470	1,036	470	1,036	470	1,036	470	1,036
· Boom cylinder assembly (2EA)	540	1,190	540	1,190	540	1,190	540	1,190
· Arm cylinder assembly	360	793	360	793	360	793	360	793
· Bucket cylinder assembly	220	485	220	485	140	308	220	485
· Bucket control linkage total	280	617	280	617	130	287	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.

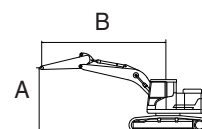
## 5. LIFTING CAPACITIES















### 1) HX300A L

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6245	3100	6500	600	-	-	-	-	-

•  : Rating over-front

•  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)												At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
7.5 m (24.6 ft)	kg lb													*5100 *11240	*5100 *11240	7.39 (24.3)
6.0 m (19.7 ft)	kg lb							*6460 *14240	*6460 *14240	*6340 *13980	*6340 *13980			*4910 *10820	*4910 *10820	8.31 (27.3)
4.5 m (14.8 ft)	kg lb					*9190 *20260	*9190 *20260	*7590 *16730	*7590 *16730	*6850 *15100	6360 14020			*4930 *10870	4850 10690	8.87 (29.1)
3.0 m (9.8 ft)	kg lb					*12250 *27010	*12250 *27010	*9040 *19930	8480 18700	*7600 *16760	6130 13510	*6240 *13760	4650 10250	*5110 *11270	4520 9960	9.15 (30.0)
1.5 m (4.9 ft)	kg lb					*14720 *32450	12110 26700	*10420 *22970	8080 17810	*8370 *18450	5910 13030	7020 15480	4540 10010	*5480 *12080	4410 9720	9.18 (30.1)
0.0 m (0.0 ft)	kg lb					*15870 *34990	11770 25950	*11360 *25040	7810 17220	*8960 *19750	5750 12680			*6120 *13490	4510 9940	8.95 (29.4)
-1.5 m (-4.9 ft)	kg lb	*7050 *15540	*7050 *15540	*10400 *22930	*10400 *22930	*15990 *35250	11690 25770	*11720 *25840	7700 16980	8960 19750	5680 12520			*7230 *15940	4850 10690	8.45 (27.7)
-3.0 m (-9.8 ft)	kg lb	*12200 *26900	*12200 *26900	*16800 *37040	*16800 *37040	*15240 *33600	11790 25990	*11370 *25070	7740 17060	*8720 *19220	5740 12650			*8500 *18740	5620 12390	7.62 (25.0)
-4.5 m (-14.8 ft)	kg lb			*18600 *41010	*18600 *41010	*13310 *29340	12070 26610	*9770 *21540	7960 17550					*9020 *19890	7420 16360	6.33 (20.8)

Note 1. Lifting capacity are based on ISO 10567.

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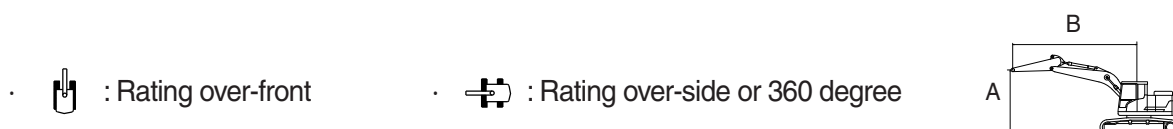
The difference between the weight of a work tool attachment must be subtracted.











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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6245	2100	6500	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)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*7600 *16760	*7600 *16760			*7720 *17020	*7720 *17020	6.27 (20.6)
6.0 m (19.7 ft)	kg lb					*7840 *17280	*7840 *17280			*7680 *16930	6640 14640	7.33 (24.0)
4.5 m (14.8 ft)	kg lb					*8890 *19600	8790 19380	*7890 *17390	6310 13910	*7810 *17220	5740 12650	7.96 (26.1)
3.0 m (9.8 ft)	kg lb					*10230 *22550	8390 18500	*8480 *18700	6130 13510	*8040 *17730	5310 11710	8.28 (27.2)
1.5 m (4.9 ft)	kg lb					*11340 *25000	8080 17810	*9070 *20000	5970 13160	7990 17610	5190 11440	8.31 (27.3)
0.0 m (0.0 ft)	kg lb					*11910 *26260	7930 17480	9160 20190	5880 12960	8290 18280	5360 11820	8.06 (26.4)
-1.5 m (-4.9 ft)	kg lb			*15680 *34570	12010 26480	*11810 *26040	7910 17440			*9150 *20170	5910 13030	7.49 (24.6)
-3.0 m (-9.8 ft)	kg lb	*18840 *41540	*18840 *41540	*14240 *31390	12200 26900	*10750 *23700	8050 17750			*9550 *21050	7210 15900	6.54 (21.4)
-4.5 m (-14.8 ft)	kg lb			*10850 *23920	*10850 *23920					*9590 *21140	*9590 *21140	4.96 (16.3)

Note 1. Lifting capacity are based on ISO 10567.

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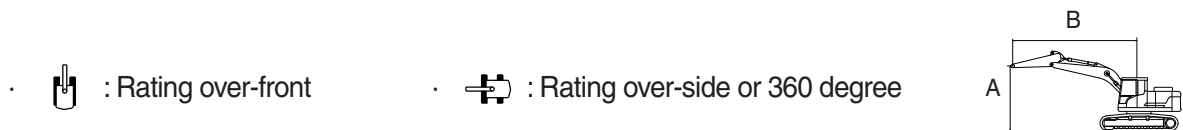
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6245	2500	6500	600	-	-	-	-	-



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)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*6850 *15100	*6850 *15100			*7060 *15560	*7060 *15560	6.68 (21.9)
6.0 m (19.7 ft)	kg lb					*7240 *15960	*7240 *15960	*7060 *15560	6410 14130	*7090 *15630	6160 13580	7.68 (25.2)
4.5 m (14.8 ft)	kg lb			*10470 *23080	*10470 *23080	*8320 *18340	*8320 *18340	*7410 *16340	6280 13850	*7260 *16010	5360 11820	8.29 (27.2)
3.0 m (9.8 ft)	kg lb			*13530 *29830	12550 27670	*9700 *21380	8360 18430	*8070 *17790	6080 13400	*7510 *16560	4970 10960	8.59 (28.2)
1.5 m (4.9 ft)	kg lb					*10920 *24070	8010 17660	*8740 *19270	5890 12990	7490 16510	4840 10670	8.62 (28.3)
0.0 m (0.0 ft)	kg lb			*16100 *35490	11760 25930	*11640 *25660	7800 17200	9050 19950	5770 12720	7740 17060	4980 10980	8.38 (27.5)
-1.5 m (-4.9 ft)	kg lb	*10830 *23880	*10830 *23880	*15790 *34810	11780 25970	*11740 *25880	7750 17090	9030 19910	5750 12680	8500 18740	5440 11990	7.84 (25.7)
-3.0 m (-9.8 ft)	kg lb	*20070 *44250	*20070 *44250	*14630 *32250	11940 26320	*11020 *24290	7850 17310			*9180 *20240	6490 14310	6.93 (22.7)
-4.5 m (-14.8 ft)	kg lb	*16260 *35850	*16260 *35850	*11980 *26410	11980 26410					*9570 *21100	9290 20480	5.47 (17.9)

- Note
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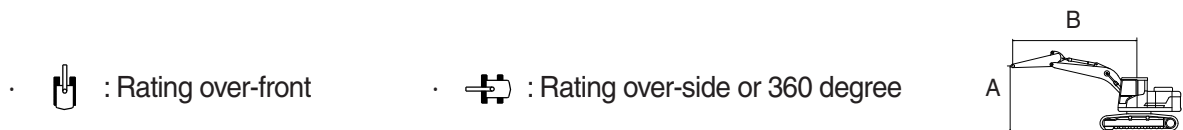
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


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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6245	3750	6500	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)		Capacity		Reach
																m (ft)
9.0 m (29.5 ft)	kg													*4560	*4560	6.76
	lb													*10050	*10050	(22.2)
7.5 m (24.6 ft)	kg									*5430	*5430			*4210	*4210	8.04
	lb									*11970	*11970			*9280	*9280	(26.4)
6.0 m (19.7 ft)	kg									*5590	*5590			*4090	*4090	8.89
	lb									*12320	*12320			*9020	*9020	(29.2)
4.5 m (14.8 ft)	kg							*6690	*6690	*6170	*6170	*5660	4770	*4130	*4130	9.42
	lb							*14750	*14750	*13600	*13600	*12480	10520	*9110	*9110	(30.9)
3.0 m (9.8 ft)	kg					*10750	*10750	*8190	*8190	*6990	6150	*6380	4640	*4290	4120	9.68
	lb					*23700	*23700	*18060	*18060	*15410	13560	*14070	10230	*9460	9080	(31.8)
1.5 m (4.9 ft)	kg					*13550	12250	*9700	8110	*7850	5890	*6850	4500	*4600	4010	9.71
	lb					*29870	27010	*21380	17880	*17310	12990	*15100	9920	*10140	8840	(31.9)
0.0 m (0.0 ft)	kg			*6600	*6600	*15230	11720	*10860	7770	*8580	5690	6870	4400	*5120	4070	9.50
	lb			*14550	*14550	*33580	25840	*23940	17130	*18920	12540	15150	9700	*11290	8970	(31.2)
-1.5 m (-4.9 ft)	kg	*6790	*6790	*10200	*10200	*15840	11520	*11480	7590	8860	5570	*6220	4350	*5990	4330	9.03
	lb	*14970	*14970	*22490	*22490	*34920	25400	*25310	16730	19530	12280	*13710	9590	*13210	9550	(29.6)
-3.0 m (-9.8 ft)	kg	*10680	*10680	*14930	*14930	*15540	11540	*11470	7560	8850	5560			*7570	4910	8.25
	lb	*23550	*23550	*32910	*32910	*34260	25440	*25290	16670	19510	12260			*16690	10820	(27.1)
-4.5 m (-14.8 ft)	kg	*15430	*15430	*20490	*20490	*14220	11750	*10560	7690					*8510	6160	7.08
	lb	*34020	*34020	*45170	*45170	*31350	25900	*23280	16950					*18760	13580	(23.2)
-6.0 m (-19.7 ft)	kg					*11010	*11010							*9190	*9190	5.23
	lb					*24270	*24270							*20260	*20260	(17.2)

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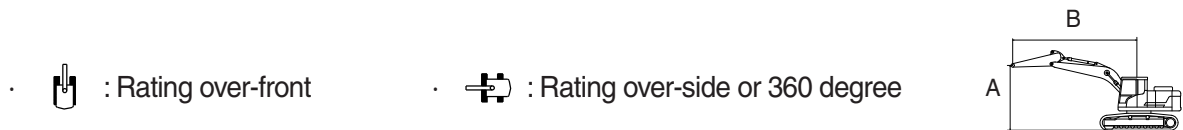
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





















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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300A LR	LONG REACH	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		10200	7850	7000	800	-	-	-	-	-



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)		15.0 m (49.2 ft)		16.5 m (54.1 ft)		Capacity	Reach							
																												m (ft)				
13.5 m	kg																											*800	*800	12.92		
44.3 ft	lb																											*1760	*1760	(42.4)		
12.0 m	kg																	*1060	*1060										*750	*750	14.12	
39.4 ft	lb																	*2340	*2340										*1650	*1650	(46.3)	
10.5 m	kg																	*1360	*1360	*770	*770								*720	*720	15.07	
34.4 ft	lb																	*3000	*3000	*1700	*1700								*1590	*1590	(49.5)	
9.0 m	kg																	*1540	*1540	*1150	*1150								*700	*700	15.83	
29.5 ft	lb																	*3400	*3400	*2540	*2540								*1540	*1540	(51.9)	
7.5 m	kg																	*1710	*1710	*1400	*1400								*700	*700	16.41	
24.6 ft	lb																	*3770	*3770	*3090	*3090								*1540	*1540	(53.8)	
6.0 m	kg																		*2070	*2070	*1910	*1910	*1600	*1600	*960	*960			*710	*710	16.83	
19.7 ft	lb																		*4560	*4560	*4210	*4210	*3530	*3530	*2120	*2120			*1570	*1570	(55.2)	
4.5 m	kg																	*2620	*2620	*2430	*2430	*2170	*2170	*1810	*1810	*1180	*1180			*730	*730	17.12
14.8 ft	lb																	*5780	*5780	*5360	*5360	*4780	*4780	*3990	*3990	*2600	*2600			*1610	*1610	(56.2)
3.0 m	kg					*7990	*7990				*4550	*4550	*3870	*3870	*3420	*3420	*2970	*2970	*2520	*2520	*2030	*2030	*1340	*1340	*760	*760			*1680	*1680	17.26	
9.8 ft	lb					*17610	*17610				*10030	*10030	*8530	*8530	*7540	*7540	*6550	*6550	*5560	*5560	*4480	*4480	*2950	*2950	*1680	*1680			*1680	*1680	(56.6)	
1.5 m	kg					*4090	*4090	*7100	*7100	*5420	*5420	*4460	*4460	*3840	3630	*3420	2950	*2960	2430	*2270	2010	*1450	*1450	*810	*810			*1790	*1790	17.28		
4.9 ft	lb					*9020	*9020	*15650	*15650	*11950	*11950	*9830	*9830	*8470	8000	*7540	6500	*6530	5360	*5000	4430	*3200	*3200	*1790	*1790			*1790	*1790	(56.7)		
0.0 m	kg					*1270	*1270	*3050	*3050	*7210	7130	*6190	5360	*5000	4210	*4230	3390	*3710	2780	*3340	2300	*2500	1920	*1480	*1480			*870	*870	17.16		
0.0 ft	lb					*2800	*2800	*6720	*6720	*15900	15720	*13650	11820	*11020	9280	*9330	7470	*8180	6130	*7360	5070	*5510	4230	*3260	*3260			*1920	*1920	(56.3)		
-1.5 m	kg	*1320	*1320	*1820	*1820	*3130	*3130	*5930	*5930	*6800	5000	*5460	3940	*4580	3190	*3980	2630	*3540	2200	*2680	1840	*1380	*1380	*950	*950			*1690	*1690	16.90		
-4.9 ft	lb	*2910	*2910	*4010	*4010	*6900	*6900	*13070	*13070	*14990	11020	*12040	8690	*10100	7030	*8770	5800	*7800	4850	*5910	4060	*3040	*3040	*2090	*2090			*2090	*2090	(55.5)		
-3.0 m	kg	*1960	*1960	*2450	*2450	*3590	*3590	*5880	*5880	*7230	4760	*5820	3750	*4870	3040	*4200	2520	3590	2110	*2700	1790	*1070	*1070	*1050	*1050			*1050	*1050	16.51		
-9.8 ft	lb	*4320	*4320	*5400	*5400	*7910	*7910	*12960	*12960	*15940	10490	*12830	8270	*10740	6700	*9260	5560	7910	4650	*5950	3950	*2360	*2360	*2310	*2310			*2310	*2310	(54.2)		
-4.5 m	kg	*2620	*2620	*3140	*3140	*4230	*4230	*6350	6280	*7490	4630	*6060	3630	5000	2940	4160	2440	3530	2060	*2460	1760							*1200	*1200	15.96		
-14.8 ft	lb	*5780	*5780	*6920	*6920	*9330	*9330	*14000	13850	*16510	10210	*13360	8000	11020	6480	9170	5380	7780	4540	*5420	3880							*2650	*2650	(52.4)		
-6.0 m	kg	*3310	*3310	*3900	*3900	*5040	*5040	*7170	6270	*7590	4590	6130	3570	4950	2890	4120	2410	3510	2040	*1790	1760							*1400	*1400	15.25		
-19.7 ft	lb	*7300	*7300	*8600	*8600	*11110	*11110	*15810	13820	*16730	10120	13510	7870	10910	6370	9080	5310	7740	4500	*3950	3880								*3090	*3090	(50.0)	
-7.5 m	kg	*4060	*4060	*4760	*4760	*6010	*6010	*8340	6350	*7510	4610	6130	3580	4950	2900	4130	2410	*3340	2060										*1690	*1690	14.34	
-24.6 ft	lb	*8950	*8950	*10490	*10490	*13250	*13250	*18390	14000	*16560	10160	13510	7890	10910	6390	9110	5310	*7360	4540										*3730	*3730	(47.0)	
-9.0 m	kg	*4900	*4900	*5740	*5740	*7210	*7210	*9080	6500	*7240	4710	*5960	3650	*5000	2950	4190	2480												*2150	*2150	13.20	
-29.5 ft	lb	*10800	*10800	*12650	*12650	*15900	*15900	*20020	14330	*15960	10380	*13140	8050	*11020	6500	9240	5470												*4740	*4740	(43.3)	
-10.5 m	kg	*5840	*5840	*6910	*6910	*8770	*8770	*8360	6740	*6720	4880	*5540	3780	*4600	3080														*3010	2680	11.75	
-34.4 ft	lb	*12870	*12870	*15230	*15230	*19330	*19330	*18430	14860	*14820	10760	*12210	8330	*10140	6790															*6640	5910	(38.6)
-12.0 m	kg					*8380	*8380	*9270	*9270	7080	*5810	5140	*4710	4020																*4130	3580	9.86
-39.4 ft	lb					*18470	*18470	*20440	*20440	15610	*12810	11330	*10380	8860																*9110	7890	(32.4)

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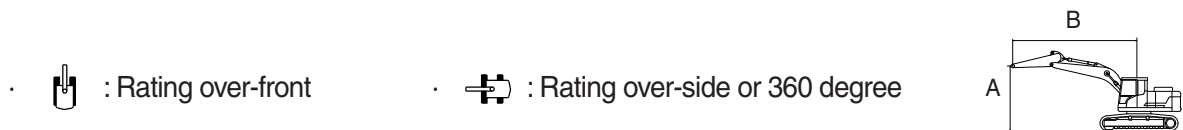
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






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	
HX300A L	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6255	2100	7500	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
										m (ft)
9.0 m (29.5 ft)	kg lb	*11670 *25730	*11670 *25730					*11610 *25600	*11610 *25600	4.66 (15.3)
7.5 m (24.6 ft)	kg lb	*11100 *24470	*11100 *24470	*9800 *21610	*9800 *21610			*9680 *21340	8830 19470	6.39 (21.0)
6.0 m (19.7 ft)	kg lb	*12130 *26740	*12130 *26740	*9970 *21980	9710 21410			*8880 *19580	6900 15210	7.43 (24.4)
4.5 m (14.8 ft)	kg lb			*10720 *23630	9350 20610	*8920 *19670	6720 14820	*8320 *18340	6000 13230	8.06 (26.4)
3.0 m (9.8 ft)	kg lb			*11500 *25350	8930 19690	*9240 *20370	6540 14420	*8160 *17990	5580 12300	8.37 (27.5)
1.5 m (4.9 ft)	kg lb			*11840 *26100	8620 19000	*9310 *20530	6380 14070	*8080 *17810	5470 12060	8.40 (27.6)
0.0 m (0.0 ft)	kg lb			*11450 *25240	8480 18700	*8910 *19640	6300 13890	*7770 *17130	5670 12500	8.15 (26.7)
-1.5 m (-4.9 ft)	kg lb	*12630 *27840	*12630 *27840	*10200 *22490	8490 18720	*7490 *16510	6350 14000	*7230 *15940	6260 13800	7.60 (24.9)
-3.0 m (-9.8 ft)	kg lb			*7600 *16760	*7600 *16760					

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.

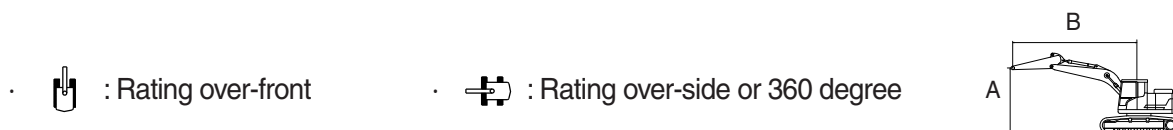
Lifting capacities will vary with different work tools, ground conditions and attachments.











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	
HX300A L	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6255	2500	7500	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)		Capacity		Reach
												m (ft)
9.0 m (29.5 ft)	kg lb			*10650 *23480	*10650 *23480					*8830 *19470	*8830 *19470	5.25 (17.2)
7.5 m (24.6 ft)	kg lb			*10350 *22820	*10350 *22820	*9190 *20260	*9190 *20260			*7670 *16910	*7670 *16910	6.83 (22.4)
6.0 m (19.7 ft)	kg lb	*10740 *23680	*10740 *23680	*11410 *25150	*11410 *25150	*9490 *20920	*9490 *20920	*8260 *18210	6840 15080	*7240 *15960	6370 14040	7.81 (25.6)
4.5 m (14.8 ft)	kg lb			*13370 *29480	*13370 *29480	*10280 *22660	9360 20640	*8520 *18780	6700 14770	*7170 *15810	5580 12300	8.41 (27.6)
3.0 m (9.8 ft)	kg lb					*11150 *24580	8910 19640	*8990 *19820	6490 14310	*7360 *16230	5200 11460	8.71 (28.6)
1.5 m (4.9 ft)	kg lb					*11650 *25680	8540 18830	*9170 *20220	6300 13890	*7620 *16800	5090 11220	8.74 (28.7)
0.0 m (0.0 ft)	kg lb			*14330 *31590	12590 27760	*11470 *25290	8350 18410	*8950 *19730	6180 13620	*7440 *16400	5250 11570	8.50 (27.9)
-1.5 m (-4.9 ft)	kg lb			*13300 *29320	12650 27890	*10470 *23080	8320 18340	*7970 *17570	6180 13620	*7050 *15540	5740 12650	7.97 (26.1)
-3.0 m (-9.8 ft)	kg lb			*10530 *23210	*10530 *23210	*8340 *18390	*8340 *18390			*6210 *13690	*6210 *13690	7.08 (23.2)

Note 1. Lifting capacity are based on ISO 10567.

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

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

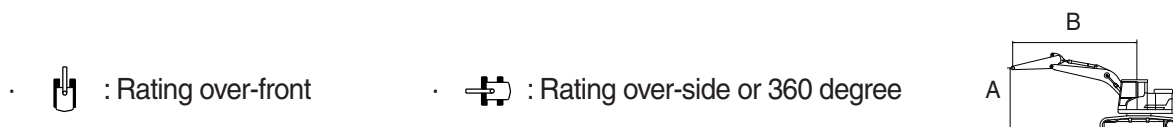
Lifting capacities will vary with different work tools, ground conditions and attachments.













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

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▲ 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	
HX300A L	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6255	3100	7500	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)
10.5 m (34.4 ft)	kg lb											*7560 *16670	*7560 *16670	3.77 (12.4)
9.0 m (29.5 ft)	kg lb					*6420 *14150	*6420 *14150					*5630 *12410	*5630 *12410	6.18 (20.3)
7.5 m (24.6 ft)	kg lb					*7910 *17440	*7910 *17440	*5390 *11880	*5390 *11880			*4990 *11000	*4990 *11000	7.56 (24.8)
6.0 m (19.7 ft)	kg lb			*8240 *18170	*8240 *18170	*8650 *19070	*8650 *19070	*7740 *17060	6960 15340			*4740 *10450	*4740 *10450	8.46 (27.8)
4.5 m (14.8 ft)	kg lb			*12370 *27270	*12370 *27270	*9730 *21450	9520 20990	*8070 *17790	6780 14950	*4800 *10580	*4800 *10580	*4680 *10320	*4680 *10320	9.01 (29.6)
3.0 m (9.8 ft)	kg lb			*14600 *32190	13710 30230	*10740 *23680	9040 19930	*8640 *19050	6540 14420	*6840 *15080	4970 10960	*4780 *10540	4730 10430	9.29 (30.5)
1.5 m (4.9 ft)	kg lb			*15820 *34880	12910 28460	*11460 *25260	8610 18980	*9060 *19970	6320 13930	*7050 *15540	4870 10740	*5040 *11110	4630 10210	9.32 (30.6)
0.0 m (0.0 ft)	kg lb			*15590 *34370	12580 27730	*11570 *25510	8350 18410	*9040 *19930	6160 13580	*6640 *14640	4810 10600	*5510 *12150	4750 10470	9.09 (29.8)
-1.5 m (-4.9 ft)	kg lb	*9290 *20480	*9290 *20480	*14280 *31480	12540 27650	*10920 *24070	8260 18210	*8450 *18630	6100 13450			*6330 *13960	5120 11290	8.60 (28.2)
-3.0 m (-9.8 ft)	kg lb			*11940 *26320	*11940 *26320	*9310 *20530	8330 18360	*6770 *14930	6190 13650			*6110 *13470	5920 13050	7.79 (25.5)

Note 1. Lifting capacity are based on ISO 10567.

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

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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

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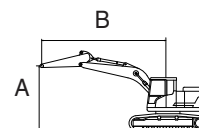












## 2) HX300A NL

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300A NL	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6245	2100	6500	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)		Capacity		Reach
												m (ft)
7.5 m	kg					*7600	*7600			*7720	*7720	6.27
(24.6 ft)	lb					*16760	*16760			*17020	*17020	(20.6)
6.0 m	kg					*7840	*7840			*7680	6110	7.33
(19.7 ft)	lb					*17280	*17280			*16930	13470	(24.0)
4.5 m	kg					*8890	8060	*7890	5800	*7810	5270	7.96
(14.8 ft)	lb					*19600	17770	*17390	12790	*17220	11620	(26.1)
3.0 m	kg					*10230	7670	*8480	5620	*8040	4870	8.28
(9.8 ft)	lb					*22550	16910	*18700	12390	*17730	10740	(27.2)
1.5 m	kg					*11340	7370	*9070	5470	7960	4750	8.31
(4.9 ft)	lb					*25000	16250	*20000	12060	17550	10470	(27.3)
0.0 m	kg					*11910	7210	9130	5370	8260	4900	8.06
(0.0 ft)	lb					*26260	15900	20130	11840	18210	10800	(26.4)
-1.5 m	kg			*15680	10830	*11810	7200			*9150	5400	7.49
(-4.9 ft)	lb			*34570	23880	*26040	15870			*20170	11900	(24.6)
-3.0 m	kg	*18840	*18840	*14240	11010	*10750	7330			*9550	6580	6.54
(-9.8 ft)	lb	*41540	*41540	*31390	24270	*23700	16160			*21050	14510	(21.4)
-4.5 m	kg			*10850	*10850					*9590	*9590	4.96
(-14.8 ft)	lb			*23920	*23920					*21140	*21140	(16.3)

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.

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


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

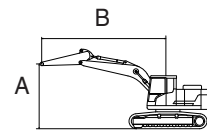
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











▲ 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	
HX300A NL	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6245	2500	6500	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)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*6850 *15100	*6850 *15100			*7060 *15560	*7060 *15560	6.68 (21.9)
6.0 m (19.7 ft)	kg lb					*7240 *15960	*7240 *15960	*7060 *15560	5890 12990	*7090 *15630	5660 12480	7.68 (25.2)
4.5 m (14.8 ft)	kg lb			*10470 *23080	*10470 *23080	*8320 *18340	8060 17770	*7410 *16340	5770 12720	*7260 *16010	4920 10850	8.29 (27.2)
3.0 m (9.8 ft)	kg lb			*13530 *29830	11350 25020	*9700 *21380	7640 16840	*8070 *17790	5570 12280	*7510 *16560	4550 10030	8.59 (28.2)
1.5 m (4.9 ft)	kg lb					*10920 *24070	7290 16070	*8740 *19270	5380 11860	7460 16450	4430 9770	8.62 (28.3)
0.0 m (0.0 ft)	kg lb			*16100 *35490	10580 23320	*11640 *25660	7090 15630	9020 19890	5260 11600	7710 17000	4540 10010	8.38 (27.5)
-1.5 m (-4.9 ft)	kg lb	*10830 *23880	*10830 *23880	*15790 *34810	10600 23370	*11740 *25880	7040 15520	9000 19840	5240 11550	8470 18670	4960 10930	7.84 (25.7)
-3.0 m (-9.8 ft)	kg lb	*20070 *44250	*20070 *44250	*14630 *32250	10760 23720	*11020 *24290	7130 15720			*9180 *20240	5920 13050	6.93 (22.7)
-4.5 m (-14.8 ft)	kg lb	*16260 *35850	*16260 *35850	*11980 *26410	11120 24520					*9570 *21100	8450 18630	5.47 (17.9)

Note 1. Lifting capacity are based on ISO 10567.

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

4. \*Indicates load limited by hydraulic capacity.

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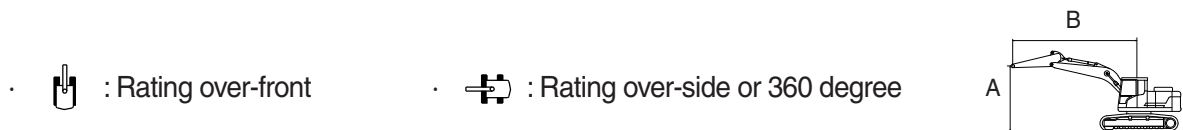
The difference between the weight of a work tool attachment must be subtracted.















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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300A NL	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6245	3100	6500	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)		Capacity		Reach
																m (ft)
7.5 m (24.6 ft)	kg lb													*5100 *11240	*5100 *11240	7.39 (24.3)
6.0 m (19.7 ft)	kg lb							*6460 *14240	*6460 *14240	*6340 *13980	6000 13230			*4910 *10820	*4910 *10820	8.31 (27.3)
4.5 m (14.8 ft)	kg lb					*9190 *20260	*9190 *20260	*7590 *16730	*7590 *16730	*6850 *15100	5840 12870			*4930 *10870	4450 9810	8.87 (29.1)
3.0 m (9.8 ft)	kg lb					*12250 *27010	11670 25730	*9040 *19930	7750 17090	*7600 *16760	5620 12390	*6240 *13760	4250 9370	*5110 *11270	4140 9130	9.15 (30.0)
1.5 m (4.9 ft)	kg lb					*14720 *32450	10920 24070	*10420 *22970	7360 16230	*8370 *18450	5400 11900	7000 15430	4150 9150	*5480 *12080	4030 8880	9.18 (30.1)
0.0 m (0.0 ft)	kg lb					*15870 *34990	10590 23350	*11360 *25040	7100 15650	*8960 *19750	5240 11550			*6120 *13490	4110 9060	8.95 (29.4)
-1.5 m (-4.9 ft)	kg lb	*7050 *15540	*7050 *15540	*10400 *22930	*10400 *22930	*15990 *35250	10520 23190	*11720 *25840	6990 15410	8930 19690	5170 11400			*7230 *15940	4430 9770	8.45 (27.7)
-3.0 m (-9.8 ft)	kg lb	*12200 *26900	*12200 *26900	*16800 *37040	*16800 *37040	*15240 *33600	10610 23390	*11370 *25070	7020 15480	*8720 *19220	5230 11530			*8500 *18740	5130 11310	7.62 (25.0)
-4.5 m (-14.8 ft)	kg lb			*18600 *41010	*18600 *41010	*13310 *29340	10880 23990	*9770 *21540	7240 15960					*9020 *19890	6760 14900	6.33 (20.8)

Note 1. Lifting capacity are based on ISO 10567.

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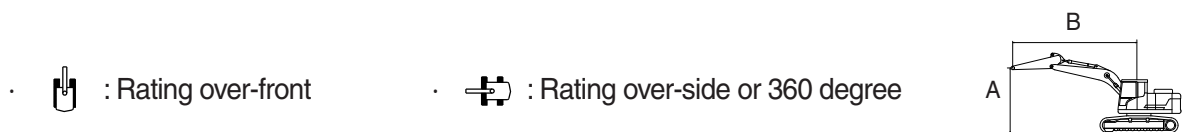
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


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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300A NL	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6245	3750	6500	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)		Capacity		Reach
																m (ft)
9.0 m (29.5 ft)	kg lb													*4560 *10050	*4560 *10050	6.76 (22.2)
7.5 m (24.6 ft)	kg lb									*5430 *11970	*5430 *11970			*4210 *9280	*4210 *9280	8.04 (26.4)
6.0 m (19.7 ft)	kg lb									*5590 *12320	*5590 *12320			*4090 *9020	*4090 *9020	8.89 (29.2)
4.5 m (14.8 ft)	kg lb							*6690 *14750	*6690 *14750	*6170 *13600	5890 12990	*5660 *12480	4370 9630	*4130 *9110	4030 8880	9.42 (30.9)
3.0 m (9.8 ft)	kg lb					*10750 *23700	*10750 *23700	*8190 *18060	7840 17280	*6990 *15410	5630 12410	*6380 *14070	4250 9370	*4290 *9460	3760 8290	9.68 (31.8)
1.5 m (4.9 ft)	kg lb					*13550 *29870	11050 24360	*9700 *21380	7380 16270	*7850 *17310	5380 11860	*6850 *15100	4110 9060	*4600 *10140	3660 8070	9.71 (31.9)
0.0 m (0.0 ft)	kg lb			*6600 *14550	*6600 *14550	*15230 *33580	10540 23240	*10860 *23940	7050 15540	*8580 *18920	5180 11420	6850 15100	4000 8820	*5120 *11290	3710 8180	9.50 (31.2)
-1.5 m (-4.9 ft)	kg lb	*6790 *14970	*6790 *14970	*10200 *22490	*10200 *22490	*15840 *34920	10350 22820	*11480 *25310	6870 15150	8830 19470	5070 11180	*6220 *13710	3960 8730	*5990 *13210	3940 8690	9.03 (29.6)
-3.0 m (-9.8 ft)	kg lb	*10680 *23550	*10680 *23550	*14930 *32910	*14930 *32910	*15540 *34260	10370 22860	*11470 *25290	6850 15100	8820 19440	5060 11160			*7570 *16690	4470 9850	8.25 (27.1)
-4.5 m (-14.8 ft)	kg lb	*15430 *34020	*15430 *34020	*20490 *45170	*20490 *45170	*14220 *31350	10570 23300	*10560 *23280	6980 15390					*8510 *18760	5610 12370	7.08 (23.2)
-6.0 m (-19.7 ft)	kg lb					*11010 *24270	*11010 *24270							*9190 *20260	8880 19580	5.23 (17.2)

Note 1. Lifting capacity are based on ISO 10567.

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

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

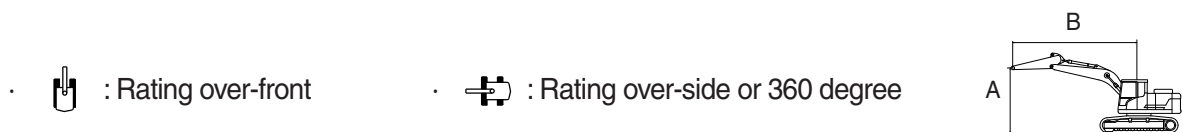
Lifting capacities will vary with different work tools, ground conditions and attachments.









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

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▲ 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	
HX300A NL	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6255	2100	7500	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
										m (ft)
9.0 m (29.5 ft)	kg lb	*11670 *25730	*11670 *25730					*11610 *25600	*11610 *25600	4.66 (15.3)
7.5 m (24.6 ft)	kg lb	*11100 *24470	*11100 *24470	*9800 *21610	9060 19970			*9680 *21340	8130 17920	6.39 (21.0)
6.0 m (19.7 ft)	kg lb	*12130 *26740	*12130 *26740	*9970 *21980	8930 19690			*8880 *19580	6350 14000	7.43 (24.4)
4.5 m (14.8 ft)	kg lb			*10720 *23630	8580 18920	*8920 *19670	6180 13620	*8320 *18340	5510 12150	8.06 (26.4)
3.0 m (9.8 ft)	kg lb			*11500 *25350	8170 18010	*9240 *20370	6000 13230	*8160 *17990	5120 11290	8.37 (27.5)
1.5 m (4.9 ft)	kg lb			*11840 *26100	7860 17330	*9310 *20530	5840 12870	*8080 *17810	5020 11070	8.40 (27.6)
0.0 m (0.0 ft)	kg lb			*11450 *25240	7720 17020	*8910 *19640	5760 12700	*7770 *17130	5190 11440	8.15 (26.7)
-1.5 m (-4.9 ft)	kg lb	*12630 *27840	11650 25680	*10200 *22490	7740 17060	*7490 *16510	5810 12810	*7230 *15940	5730 12630	7.60 (24.9)
-3.0 m (-9.8 ft)	kg lb			*7600 *16760	*7600 *16760					

- 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.

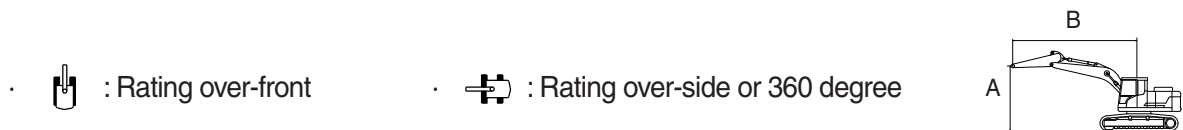
Lifting capacities will vary with different work tools, ground conditions and attachments.











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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300A NL	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6255	2500	7500	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)		Capacity		Reach
												m (ft)
9.0 m (29.5 ft)	kg lb			*10650 *23480	*10650 *23480					*8830 *19470	*8830 *19470	5.25 (17.2)
7.5 m (24.6 ft)	kg lb			*10350 *22820	*10350 *22820	*9190 *20260	9140 20150			*7670 *16910	7340 16180	6.83 (22.4)
6.0 m (19.7 ft)	kg lb	*10740 *23680	*10740 *23680	*11410 *25150	*11410 *25150	*9490 *20920	8970 19780	*8260 *18210	6290 13870	*7240 *15960	5860 12920	7.81 (25.6)
4.5 m (14.8 ft)	kg lb			*13370 *29480	13120 28920	*10280 *22660	8590 18940	*8520 *18780	6150 13560	*7170 *15810	5120 11290	8.41 (27.6)
3.0 m (9.8 ft)	kg lb					*11150 *24580	8140 17950	*8990 *19820	5950 13120	*7360 *16230	4770 10520	8.71 (28.6)
1.5 m (4.9 ft)	kg lb					*11650 *25680	7780 17150	*9170 *20220	5760 12700	*7620 *16800	4660 10270	8.74 (28.7)
0.0 m (0.0 ft)	kg lb			*14330 *31590	11340 25000	*11470 *25290	7590 16730	*8950 *19730	5650 12460	*7440 *16400	4800 10580	8.50 (27.9)
-1.5 m (-4.9 ft)	kg lb			*13300 *29320	11400 25130	*10470 *23080	7570 16690	*7970 *17570	5650 12460	*7050 *15540	5250 11570	7.97 (26.1)
-3.0 m (-9.8 ft)	kg lb			*10530 *23210	*10530 *23210	*8340 *18390	7700 16980			*6210 *13690	*6210 *13690	7.08 (23.2)

Note 1. Lifting capacity are based on ISO 10567.

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

4. \*Indicates load limited by hydraulic capacity.

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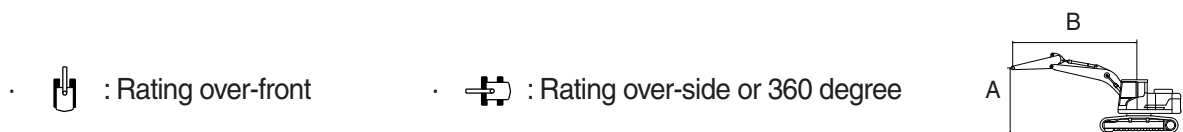
Lifting capacities will vary with different work tools, ground conditions and attachments.













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

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	
HX300A NL	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	3100	7500	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)
10.5 m (34.4 ft)	kg lb											*7560 *16670	*7560 *16670	3.77 (12.4)
9.0 m (29.5 ft)	kg lb					*6420 *14150	*6420 *14150					*5630 *12410	*5630 *12410	6.18 (20.3)
7.5 m (24.6 ft)	kg lb					*7910 *17440	*7910 *17440	*5390 *11880	*5390 *11880			*4990 *11000	*4990 *11000	7.56 (24.8)
6.0 m (19.7 ft)	kg lb			*8240 *18170	*8240 *18170	*8650 *19070	*8650 *19070	*7740 *17060	6410 14130			*4740 *10450	*4740 *10450	8.46 (27.8)
4.5 m (14.8 ft)	kg lb			*12370 *27270	*12370 *27270	*9730 *21450	8740 19270	*8070 *17790	6230 13730	*4800 *10580	4640 10230	*4680 *10320	4630 10210	9.01 (29.6)
3.0 m (9.8 ft)	kg lb			*14600 *32190	12430 27400	*10740 *23680	8270 18230	*8640 *19050	6000 13230	*6840 *15080	4560 10050	*4780 *10540	4330 9550	9.29 (30.5)
1.5 m (4.9 ft)	kg lb			*15820 *34880	11650 25680	*11460 *25260	7850 17310	*9060 *19970	5780 12740	*7050 *15540	4460 9830	*5040 *11110	4240 9350	9.32 (30.6)
0.0 m (0.0 ft)	kg lb			*15590 *34370	11330 24980	*11570 *25510	7600 16760	*9040 *19930	5620 12390	*6640 *14640	4400 9700	*5510 *12150	4340 9570	9.09 (29.8)
-1.5 m (-4.9 ft)	kg lb	*9290 *20480	*9290 *20480	*14280 *31480	11300 24910	*10920 *24070	7510 16560	*8450 *18630	5570 12280			*6330 *13960	4680 10320	8.60 (28.2)
-3.0 m (-9.8 ft)	kg lb			*11940 *26320	11440 25220	*9310 *20530	7570 16690	*6770 *14930	5660 12480			*6110 *13470	5410 11930	7.79 (25.5)

Note 1. Lifting capacity are based on ISO 10567.

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

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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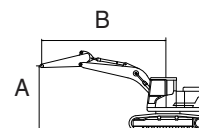
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








### 3) HX300A HW

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6245	2100	6500	700	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*7540 *16620	*7540 *16620			*7690 *16950	*7690 *16950	6.56 (21.5)
6.0 m (19.7 ft)	kg lb			*9320 *20550	*9320 *20550	*8030 *17700	*8030 *17700	*7700 *16980	*7700 *16980	*7700 *16980	*7700 *16980	7.50 (24.6)
4.5 m (14.8 ft)	kg lb					*9190 *20260	*9190 *20260	*8010 *17660	7670 16910	*7860 *17330	6880 15170	8.06 (26.4)
3.0 m (9.8 ft)	kg lb					*10520 *23190	10250 22600	*8620 *19000	7490 16510	*8110 *17880	6470 14260	8.31 (27.3)
1.5 m (4.9 ft)	kg lb					*11520 *25400	9960 21960	*9170 *20220	7340 16180	*8430 *18580	6420 14150	8.28 (27.1)
0.0 m (0.0 ft)	kg lb					*11950 *26350	9830 21670	*9410 *20750	7260 16010	*8820 *19440	6730 14840	7.96 (26.1)
-1.5 m (-4.9 ft)	kg lb			*15450 *34060	15130 33360	*11680 *25750	9850 21720			*9240 *20370	7560 16670	7.31 (24.0)
-3.0 m (-9.8 ft)	kg lb	*18160 *40040	*18160 *40040	*13730 *30270	*13730 *30270	*10230 *22550	10050 22160			*9620 *21210	9520 20990	6.25 (20.5)

Note 1. Lifting capacity are based on ISO 10567.

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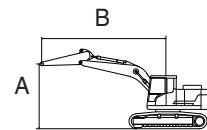
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6245	2500	6500	700	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*6860 *15120	*6860 *15120			*7050 *15540	*7050 *15540	6.95 (22.8)
6.0 m (19.7 ft)	kg lb					*7440 *16400	*7440 *16400	*7090 *15630	*7090 *15630	*7120 *15700	*7120 *15700	7.85 (25.7)
4.5 m (14.8 ft)	kg lb			*11160 *24600	*11160 *24600	*8630 *19030	*8630 *19030	*7550 *16640	*7550 *16640	*7310 *16120	6440 14200	8.38 (27.5)
3.0 m (9.8 ft)	kg lb					*10010 *22070	*10010 *22070	*8230 *18140	7430 16380	*7580 *16710	6070 13380	8.62 (28.3)
1.5 m (4.9 ft)	kg lb			*13010 *28680	*13010 *28680	*11140 *24560	9870 21760	*8870 *19550	7250 15980	*7920 *17460	6010 13250	8.59 (28.2)
0.0 m (0.0 ft)	kg lb			*16100 *35490	14830 32690	*11720 *25840	9700 21380	*9240 *20370	7140 15740	*8320 *18340	6260 13800	8.28 (27.2)
-1.5 m (-4.9 ft)	kg lb	*12820 *28260	*12820 *28260	*15610 *34410	14890 32830	*11660 *25710	9680 21340	*9060 *19970	7150 15760	*8790 *19380	6960 15340	7.67 (25.2)
-3.0 m (-9.8 ft)	kg lb	*19430 *42840	*19430 *42840	*14210 *31330	*14210 *31330	*10670 *23520	9830 21670			*9290 *20480	8540 18830	6.66 (21.8)
-4.5 m (-14.8 ft)	kg lb			*10920 *24070	*10920 *24070					*9570 *21100	*9570 *21100	5.01 (16.4)

Note 1. Lifting capacity are based on ISO 10567.

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

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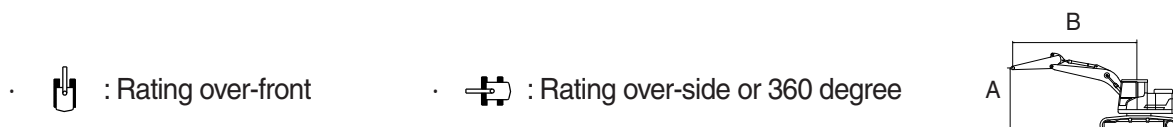
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


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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6245	3100	6500	700	-	-	-	-	-



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)		Capacity		Reach
																m (ft)
9.0 m (29.5 ft)	kg lb													*5480 *12080	*5480 *12080	6.35 (20.8)
7.5 m (24.6 ft)	kg lb									*5690 *12540	*5690 *12540			*5040 *11110	*5040 *11110	7.64 (25.1)
6.0 m (19.7 ft)	kg lb							*6670 *14700	*6670 *14700	*6420 *14150	*6420 *14150			*4900 *10800	*4900 *10800	8.46 (27.8)
4.5 m (14.8 ft)	kg lb					*9860 *21740	*9860 *21740	*7900 *17420	*7900 *17420	*7000 *15430	*7000 *15430			*4950 *10910	*4950 *10910	8.96 (29.4)
3.0 m (9.8 ft)	kg lb					*12910 *28460	*12910 *28460	*9380 *20680	*9380 *20680	*7780 *17150	7480 16490	*6540 *14420	5710 12590	*5180 *11420	*5180 *11420	9.18 (30.1)
1.5 m (4.9 ft)	kg lb					*15090 *33270	*15090 *33270	*10680 *23550	9930 21890	*8530 *18810	7260 16010	*6980 *15390	5610 12370	*5600 *12350	5480 12080	9.15 (30.0)
0.0 m (0.0 ft)	kg lb			*6210 *13690	*6210 *13690	*15970 *35210	14820 32670	*11500 *25350	9700 21380	*9060 *19970	7120 15700			*6320 *13930	5670 12500	8.87 (29.1)
-1.5 m (-4.9 ft)	kg lb	*8220 *18120	*8220 *18120	*11710 *25820	*11710 *25820	*15900 *35050	14790 32610	*11710 *25820	9620 21210	*9170 *20220	7070 15590			*7580 *16710	6190 13650	8.30 (27.2)
-3.0 m (-9.8 ft)	kg lb	*13460 *29670	*13460 *29670	*18580 *40960	*18580 *40960	*14930 *32910	14930 32910	*11160 *24600	9690 21360					*8620 *19000	7330 16160	7.38 (24.2)
-4.5 m (-14.8 ft)	kg lb			*17550 *38690	*17550 *38690	*12590 *27760	*12590 *27760							*9120 *20110	*9120 *20110	5.94 (19.5)

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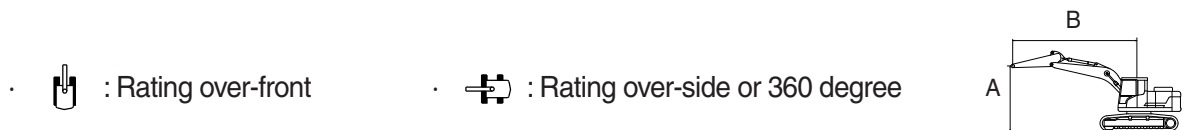
The difference between the weight of a work tool attachment must be subtracted.















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	
HX300A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6245	3750	6500	700	-	-	-	-	-



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)		Capacity		Reach
																m (ft)
9.0 m (29.5 ft)	kg lb													*4450 *9810	*4450 *9810	7.10 (23.3)
7.5 m (24.6 ft)	kg lb									*5420 *11950	*5420 *11950			*4170 *9190	*4170 *9190	8.27 (27.1)
6.0 m (19.7 ft)	kg lb									*5690 *12540	*5690 *12540	*4240 *9350	*4240 *9350	*4090 *9020	*4090 *9020	9.03 (29.6)
4.5 m (14.8 ft)	kg lb							*7010 *15450	*7010 *15450	*6340 *13980	*6340 *13980	*5970 *13160	5840 12870	*4150 *9150	*4150 *9150	9.50 (31.2)
3.0 m (9.8 ft)	kg lb					*11450 *25240	*11450 *25240	*8550 *18850	*8550 *18850	*7190 *15850	*7190 *15850	*6480 *14290	5700 12570	*4350 *9590	*4350 *9590	9.71 (31.9)
1.5 m (4.9 ft)	kg lb					*14040 *30950	*14040 *30950	*10000 *22050	9950 21940	*8040 *17730	7240 15960	*6950 *15320	5570 12280	*4700 *10360	*4700 *10360	9.68 (31.8)
0.0 m (0.0 ft)	kg lb			*7330 *16160	*7330 *16160	*15460 *34080	14740 32500	*11050 *24360	9640 21250	*8710 *19200	7050 15540	*7310 *16120	5470 12060	*5280 *11640	5140 11330	9.41 (30.9)
-1.5 m (-4.9 ft)	kg lb	*7640 *16840	*7640 *16840	*11160 *24600	*11160 *24600	*15840 *34920	14590 32170	*11540 *25440	9490 20920	*9040 *19930	6950 15320			*6270 *13820	5540 12210	8.88 (29.1)
-3.0 m (-9.8 ft)	kg lb	*11650 *25680	*11650 *25680	*16240 *35800	*16240 *35800	*15340 *33820	14660 32320	*11360 *25040	9500 20940	*8800 *19400	6970 15370			*8020 *17680	6380 14070	8.03 (26.3)
-4.5 m (-14.8 ft)	kg lb	*16730 *36880	*16730 *36880	*19660 *43340	*19660 *43340	*13720 *30250	*13720 *30250	*10140 *22350	9680 21340					*8670 *19110	8260 18210	6.74 (22.1)

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.

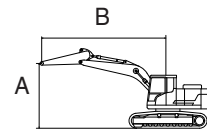
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.



























▲ 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	
HX300A HW	LONG REACH	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		10200	7850	7000	700	-	-	-	-	-

•  : Rating over-front

•  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)																								At max. reach			
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		10.5 m (34.4 ft)		12.0 m (39.4 ft)		13.5 m (44.3 ft)		15.0 m (49.2 ft)		16.5 m (54.1 ft)		Capacity		Reach			
																												m (ft)	
13.5 m	kg																									*790	*790	13.22	
44.3 ft	lb																									*1740	*1740	(43.4)	
12.0 m	kg																	*1150	*1150							*740	*740	14.36	
39.4 ft	lb																	*2540	*2540							*1630	*1630	(47.1)	
10.5 m	kg																	*1400	*1400	*880	*880					*710	*710	15.26	
34.4 ft	lb																	*3090	*3090	*1940	*1940					*1570	*1570	(50.1)	
9.0 m	kg																	*1580	*1580	*1220	*1220					*700	*700	15.97	
29.5 ft	lb																	*3480	*3480	*2690	*2690					*1540	*1540	(52.4)	
7.5 m	kg																	*1750	*1750	*1450	*1450	*720	*720			*700	*700	16.52	
24.6 ft	lb																	*3860	*3860	*3200	*3200	*1590	*1590			*1540	*1540	(54.2)	
6.0 m	kg															*2140	*2140	*1970	*1970	*1650	*1650	*1010	*1010			*710	*710	16.91	
19.7 ft	lb															*4720	*4720	*4340	*4340	*3640	*3640	*2230	*2230			*1570	*1570	(55.5)	
4.5 m	kg															*2780	*2780	*2530	*2530	*2240	*2240	*1860	*1860	*1220	*1220	*740	*740	17.16	
14.8 ft	lb															*6130	*6130	*5580	*5580	*4940	*4940	*4100	*4100	*2690	*2690	*1630	*1630	(56.3)	
3.0 m	kg					*8610	*8610	*6030	*6030	*4750	*4750	*4000	*4000	*3520	*3520	*3120	*3120	*2610	*2610	*2090	*2090	*1370	*1370			*770	*770	17.28	
9.8 ft	lb					*18980	*18980	*13290	*13290	*10470	*10470	*8820	*8820	*7760	*7760	*6880	*6880	*5750	*5750	*4610	*4610	*3020	*3020			*1700	*1700	(56.7)	
1.5 m	kg					*3650	*3650	*7380	*7380	*5610	*5610	*4590	*4590	*3930	*3930	*3490	*3490	*3080	2980	*2330	*2330	*1460	*1460			*820	*820	17.26	
4.9 ft	lb					*8050	*8050	*16270	*16270	*12370	*12370	*10120	*10120	*8660	*8660	*7690	*7690	*6790	6570	*5140	*5140	*3220	*3220			*1810	*1810	(56.6)	
0.0 m	kg			*1380	*1380	*3010	*3010	*6720	*6720	*6350	*6350	*5110	5110	*4320	4140	*3780	3410	*3390	2860	*2550	2410	*1470	*1470			*880	*880	17.11	
0.0 ft	lb			*3040	*3040	*6640	*6640	*14820	*14820	*14000	*14000	*11270	11270	*9520	9130	*8330	7520	*7470	6310	*5620	5310	*3240	*3240			*1940	*1940	(56.1)	
-1.5 m	kg	*1470	*1470	*1950	*1950	*3210	*3210	*5850	*5850	*6910	6160	*5550	4850	*4660	3940	*4030	3270	*3590	2750	*2700	2340	*1330	*1330			*970	*970	16.83	
-4.9 ft	lb	*3240	*3240	*4300	*4300	*7080	*7080	*12900	*12900	*15230	13580	*12240	10690	*10270	8690	*8880	7210	*7910	6060	*5950	5160	*2930	*2930			*2140	*2140	(55.2)	
-3.0 m	kg	*2110	*2110	*2600	*2600	*3720	*3720	*5950	*5950	*7310	5940	*5880	4670	*4920	3800	*4240	3160	*3740	2680	*2670	2290					*1080	*1080	16.40	
-9.8 ft	lb	*4650	*4650	*5730	*5730	*8200	*8200	*13120	*13120	*16120	13100	*12960	10300	*10850	8380	*9350	6970	*8250	5910	*5890	5050					*2380	*2380	(53.8)	
-4.5 m	kg	*2770	*2770	*3310	*3310	*4400	*4400	*6510	*6510	*7530	5830	*6100	4560	*5100	3710	*4390	3100	*3850	2630	*2350	2270					*1240	*1240	15.82	
-14.8 ft	lb	*6110	*6110	*7300	*7300	*9700	*9700	*14350	*14350	*16600	12850	*13450	10050	*11240	8180	*9680	6830	*8490	5800	*5180	5000					*2730	*2730	(51.9)	
-6.0 m	kg	*3480	*3480	*4090	*4090	*5240	*5240	*7400	*7400	*7580	5810	*6180	4530	*5190	3680	*4450	3070	*3870	2620	*1550	*1550					*1450	*1450	15.06	
-19.7 ft	lb	*7670	*7670	*9020	*9020	*11550	*11550	*16310	*16310	*16710	12810	*13620	9990	*11440	8110	*9810	6770	*8530	5780	*3420	*3420					*3200	*3200	(49.4)	
-7.5 m	kg	*4240	*4240	*4970	*4970	*6260	*6260	*8660	8060	*7470	5850	*6120	4550	*5140	3690	*4390	3090	*3000	2650							*1770	*1770	14.10	
-24.6 ft	lb	*9350	*9350	*10960	*10960	*13800	*13800	*19090	17770	*16470	12900	*13490	10030	*11330	8140	*9680	6810	*6610	5840							*3900	*3900	(46.3)	
-9.0 m	kg	*5100	*5100	*5980	*5980	*7530	*7530	*8940	8240	*7150	5960	*5890	4630	*4940	3760	*4160	3170									*2300	*2300	12.90	
-29.5 ft	lb	*11240	*11240	*13180	*13180	*16600	*16600	*19710	18170	*15760	13140	*12990	10210	*10890	8290	*9170	6990									*5070	*5070	(42.3)	
-10.5 m	kg	*6080	*6080	*7210	*7210	*9200	*9200	*8150	*8150	*6560	6160	*5390	4790	*4450	3910											*3320	*3320	11.37	
-34.4 ft	lb	*13400	*13400	*15900	*15900	*20280	*20280	*17970	*17970	*14460	13580	*11880	10560	*9810	8620											*7320	*7320	(37.3)	
-12.0 m	kg			*8780	*8780	*8810	*8810	*6870	*6870	*5530	*5530	*4430	*4430														*4180	*4180	9.35
-39.4 ft	lb			*19360	*19360	*19420	*19420	*15150	*15150	*12190	*12190	*9770	*9770														*9220	*9220	(30.7)

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.

## 6. BUCKET SELECTION GUIDE

### 1) BUCKET SELECTION



General bucket      Heavy duty (without side cutter)      Heavy duty (with side cutter)      Rock heavy duty      Long reach

Type	Capacity		Width		Weight	Tooth	MONO				2-PIECE			L/Reach	
	SAE Heaped	CECE heaped	Without side cutter	With side cutter			Recommendation								10.2 m (33' 6") Boom
							6.25 m (20' 6") Boom				6.25 m (20' 6") Boom				
							2.10 m (6' 11") Arm	2.50 m (8' 2") Arm	3.10 m (10' 2") Arm	3.75 m (12' 4") Arm	2.10 (6' 11") Arm	2.50 m (8' 2") Arm	3.10 m (10' 2") Arm	7.85 m (25' 9") Arm	
General bucket	1.27 (1.66)	1.10 (1.44)	1280 (50.4")	1440 (56.7")	1090 (2400)	5	●	●	●	●	●	●	●	X	
	1.51 (1.98)	1.30 (1.70)	1490 (58.7")	1650 (65.0")	1215 (2680)	6	●	●	◐	◐	●	●	●	X	
	1.75 (2.29)	1.50 (1.96)	1700 (66.9")	1860 (73.2")	1315 (2900)	6	●	◐	■	■	●	◐	◐	X	
	1.50 (1.96)	1.32 (1.73)	1260 (49.6")	1425 (56.1")	1085 (2390)	5	●	●	●	◐	●	●	●	X	
	1.74 (2.28)	1.54 (2.01)	1360 (53.5")	1525 (60.0")	1195 (2630)	6	●	◐	◐	■	●	●	◐	X	
	1.85 (2.42)	1.61 (2.11)	1590 (62.6")	1785 (70.3")	1325 (2920)	6	◐	◐	■	▲	●	◐	■	X	
Heavy duty	1.23 (1.61)	1.10 (1.44)	1205 (47.4")	1260 (49.6")	1085 (2390)	5	●	●	●	●	●	●	●	X	
	1.47 (1.92)	1.32 (1.73)	1405 (55.3")	1460 (57.5")	1185 (2610)	5	●	●	●	◐	●	●	●	X	
Rock heavy duty	1.45 (1.90)	1.29 (1.69)	1380 (54.3")	1440 (56.7")	1505 (3320)	5	●	●	◐	X	●	●	●	X	
	1.57 (2.05)	1.40 (1.83)	1480 (58.3')	1540 (60.6")	1565 (3450)	5	●	●	◐	X	●	●	◐	X	
Long reach	0.52 (0.68)	0.45 (0.59)	870 (34.3")	1020 (40.2")	455 (1000)	5	X	X	X	X	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

※ 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)	700	(28)
HX300A L	Operating weight	kg	(lb)	30520	67290	31080	68520	31450	69340	31840	70200	-	-
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	0.59	8.35	0.51	7.29	0.45	6.46	0.41	5.85	-	-
	Link quantity	EA		48		48		48		48		-	
HX300A NL	Operating weight	kg	(lb)	30400	67020	-	-	-	-	-	-	-	-
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	0.59	8.32	-	-	-	-	-	-	-	-
	Link quantity	EA		48		-		-		-		-	
HX300A LR	Operating weight	kg	(lb)	-	-	-	-	33590	74050	-	-	-	-
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	-	-	-	-	0.48	6.90	-	-	-	-
	Link quantity	EA		-		-		48		-		-	
HX300A HW	Operating weight	kg	(lb)	-	-	-	-	-	-	-	-	34810	76740
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	-	-	-	-	-	-	-	-	0.57	8.15
	Link quantity	EA		-		-		-		-		48	

### 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
700 mm double grouser	Option	B
800 mm triple grouser	Option	C
900 mm triple grouser	Option	C

**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 / B6.7
Type	4-cycle, turbocharged, charge air cooled, electronic controlled diesel engine
Cooling method	Water cooled
Number of cylinders and arrangement	6 cylinders, in-line
Firing order	1-5-3-6-2-4
Combustion chamber type	Direct injection type
Cylinder bore × stroke	107 × 124 mm (4.21" × 4.88")
Displacement	6.7 ℓ (408 cu in)
Compression ratio	17.3 : 1
Gross power	260 Hp (194 kW) at 2200 rpm
Net power	255 Hp (190 kW) at 2200 rpm
Max. power	282 Hp (210 kW) at 1800 rpm
Peak Torque	1350 N·m (996 lbf·ft) at 1300 rpm
Engine oil quantity	24.4 ℓ (6.4 U.S. gal)
Wet weight	583 kg (1285 lb)
Starter motor	24 V-4.8 kW
Alternator	24 V-95 A

### 2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 154 cc/rev
Maximum pressure	350 kgf/cm <sup>2</sup> (4980 psi) [380 kgf/cm <sup>2</sup> (5400 psi)]
Rated oil flow	2 × 285 ℓ /min (75.3 U.S. gpm / 62.7 U.K. gpm)

[    ] : Power boost

### 3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	15 cc/rev
Maximum pressure	40 kgf/cm <sup>2</sup> (570 psi)
Rated oil flow	27.75 ℓ /min (7.3 U.S. gpm/6.1 U.K. gpm)

### 4) MAIN CONTROL VALVE

Item	Specification
Type	10 spools
Operating method	Hydraulic pilot system
Main relief valve pressure	350 kgf/cm <sup>2</sup> (4980 psi) [380 kgf/cm <sup>2</sup> (5400 psi)] * <sup>1</sup> 350 kgf/cm <sup>2</sup> (4980 psi) [Not applied power boost]
Port relief valve pressure	Boom 400 kgf/cm <sup>2</sup> (5690 psi)
	Arm 400 kgf/cm <sup>2</sup> (5690 psi), * <sup>1</sup> 250 kgf/cm <sup>2</sup> (3560 psi)
	Bucket 400 kgf/cm <sup>2</sup> (5690 psi), * <sup>1</sup> 270 kgf/cm <sup>2</sup> (3840 psi)

[ ] : Power boost    \*<sup>1</sup> : Long reach only

### 5) SWING MOTOR

Item	Specification
Type	Axial piston motor
Capacity	156.9 cc/rev
Relief pressure	300 kgf/cm <sup>2</sup> (4270 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	84.4 kgf · m (610 lbf · ft) over
Brake release pressure	36.6 kgf/cm <sup>2</sup> (519 psi) below
Reduction gear type	2 - stage planetary

### 6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement axial piston motor
Capacity	282.6/156.9 cc/rev
Relief pressure	350 kgf/cm <sup>2</sup> (4980 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	134 kgf · m (969 lbf · ft)
Brake release pressure	17 kgf/cm <sup>2</sup> (242 psi)
Reduction gear type	2-stage planetary

## 7) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Stroke	Ø 140 × 1465 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Stroke	Ø 150 × 1670 mm
	Cushion	Extend and retract
Adjust cylinder (2-piece boom)	Bore dia × Stroke	Ø 170 × 1341 mm
	Cushion	N/A
Bucket cylinder	Bore dia × Stroke	Ø 135 × 1150 mm
	Cushion	Extend only
Bucket cylinder (Long reach)	Bore dia × Stroke	Ø 100 × 870 mm
	Cushion	Extend only

※ Discoloration of cylinder rod can occur when the friction reduction additive of lubrication oil spreads on the rod surface.

※ Discoloration does not cause any harmful effect on the cylinder performance.



## 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	24.4 (6.4)	★SAE 0W-40								
			SAE 5W-40								
			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	11 (2.9)	★SAE 75W-90								
Final drive		7.8×2 (2.1×2)	SAE 80W-90								
Hydraulic tank	Hydraulic oil	Tank 190 (50.2)	★ISO VG 15								
			ISO VG 32								
		System 330 (87.2)	ISO VG 46, HBHO VG 46★ <sup>3</sup>								
			ISO VG 68								
Fuel tank	Diesel fuel★ <sup>1</sup>	500 (132)	★ASTM D975 NO.1								
			ASTM D975 NO.2								
Fitting (grease nipple)	Grease	As required	★NLGI NO.1								
			NLGI NO.2								
Radiator (reservoir tank)	Mixture of antifreeze and soft water★ <sup>2</sup>	40 (10.6)	Ethylene glycol base permanent type (50 : 50)								
			★Ethylene glycol base permanent type (60 : 40)								

**SAE** : Society of Automotive Engineers

**API** : American Petroleum Institute

**ISO** : International Organization for Standardization

**NLGI** : National Lubricating Grease Institute

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

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

★ : Cold region (Russia, CIS, Mongolia)

★<sup>1</sup> : Ultra low sulfur diesel  
- sulfur content ≤ 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 dealer.