

# SECTION 1 GENERAL



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# SECTION 1 GENERAL

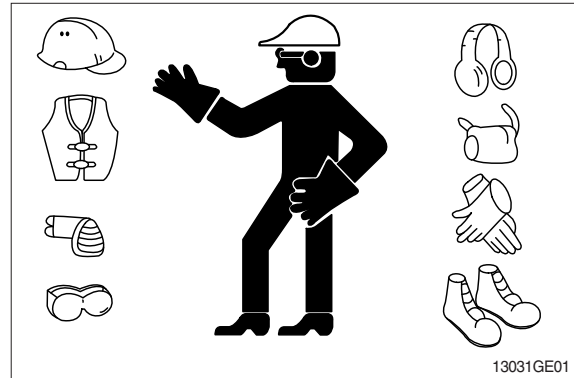
## GROUP 1 SAFETY

### FOLLOW SAFE PROCEDURE

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

### WEAR PROTECTIVE CLOTHING

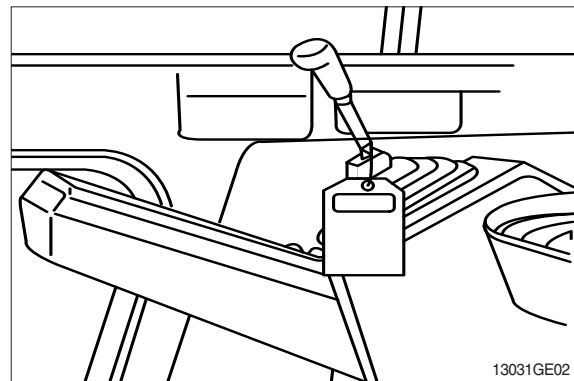
Wear close fitting clothing and safety equipment appropriate to the job.



### WARN OTHERS OF SERVICE WORK

Unexpected machine movement can cause serious injury.

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



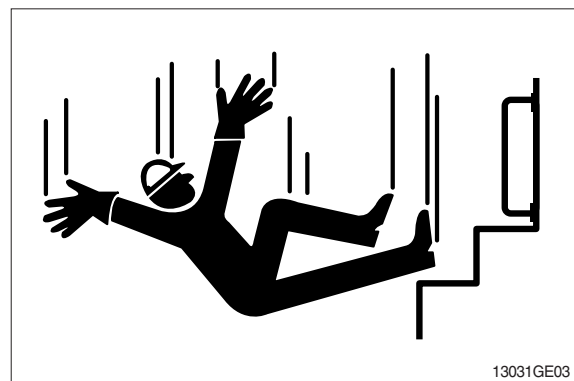
### USE HANDHOLDS AND STEPS

Falling is one of the major causes of personal injury.

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

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

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

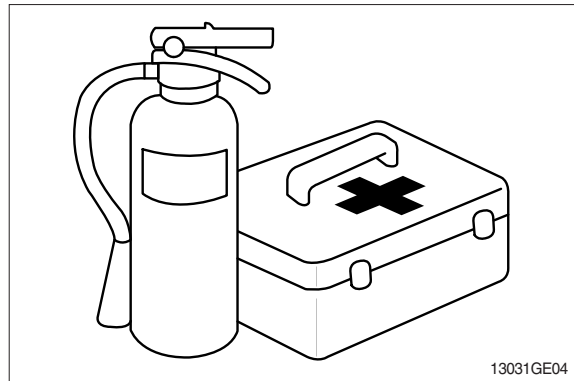


## PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

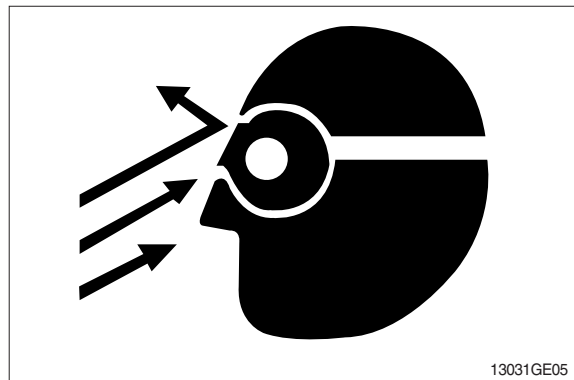
Keep a first aid kit and fire extinguisher handy.

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



## PROTECT AGAINST FLYING DEBRIS

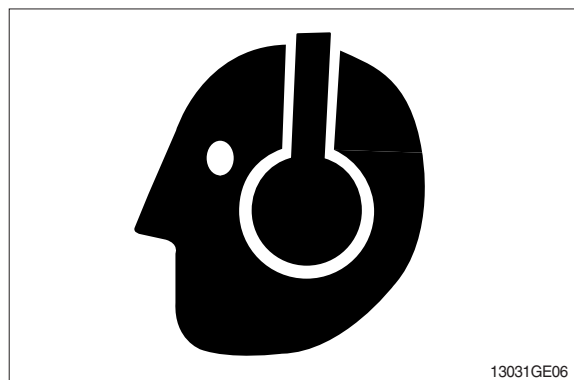
Guard against injury from flying pieces of metal or debris; Wear goggles or safety glasses.



## PROTECT AGAINST NOISE

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

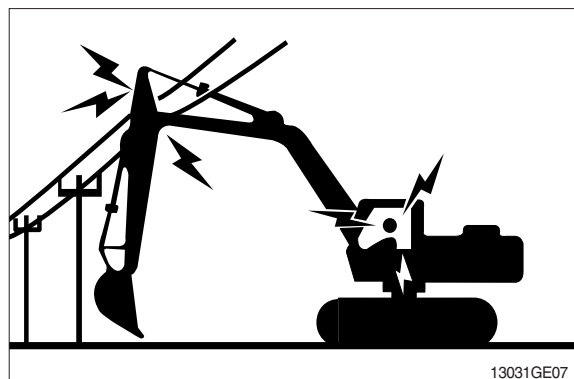
Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



## AVOID POWER LINES

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

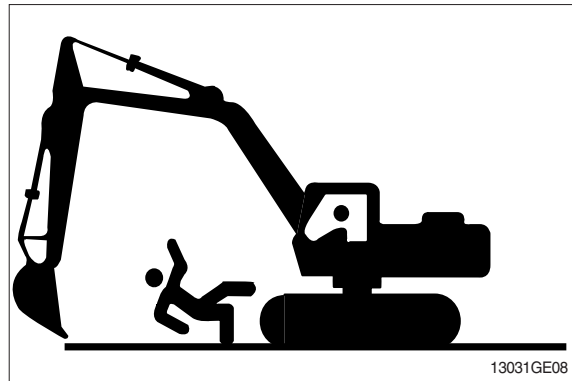
Never move any part of the machine or load closer to electric line than 3m(10ft) plus twice the line insulator length.



## 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.

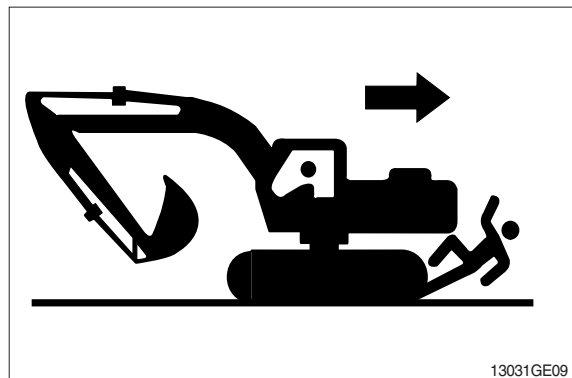


## MOVE AND OPERATE MACHINE SAFELY

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:

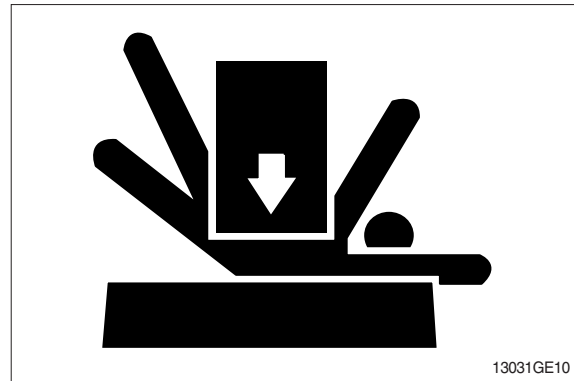
- Park machine on a level surface.
- Lower bucket to the ground.
- Turn auto idle switch off.
- Run engine at 1/2 speed without load for 2 minutes.
- Turn key switch to OFF to stop engine. Remove key from switch.
- Move pilot control shutoff lever to locked position.
- Allow engine to cool.

## 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.

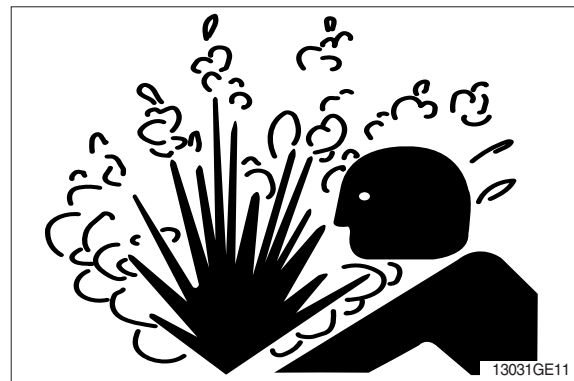
Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.



## 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

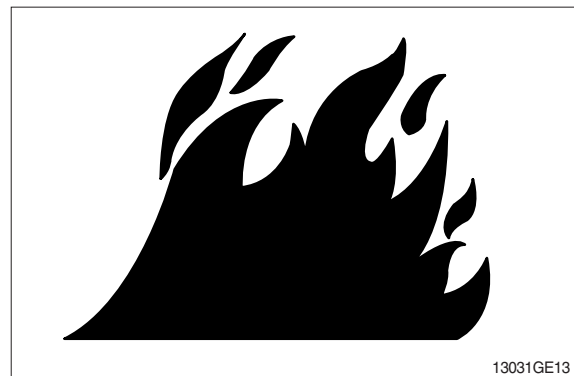
Handle fuel with care; It is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks. Always stop engine before refueling machine. Fill fuel tank outdoors.



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.

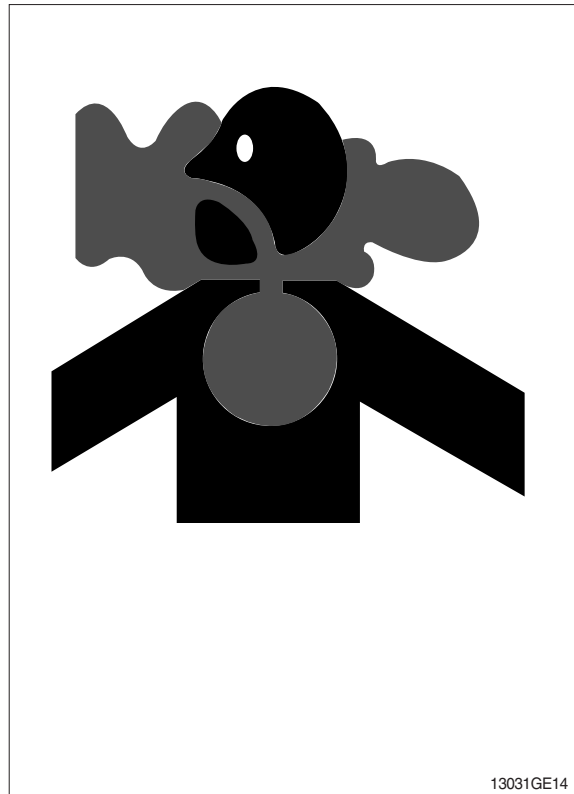
Do all work outside or in a well ventilated area. Dispose of paint and solvent properly.

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

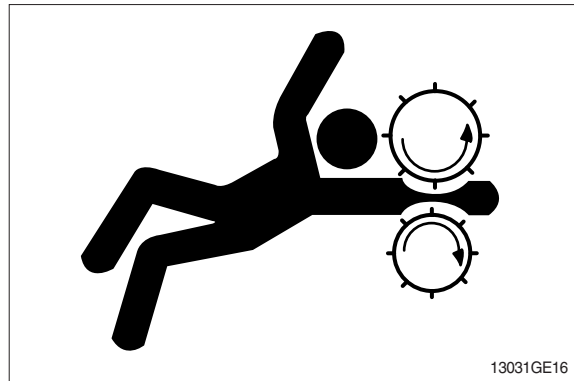
Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.



## 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.

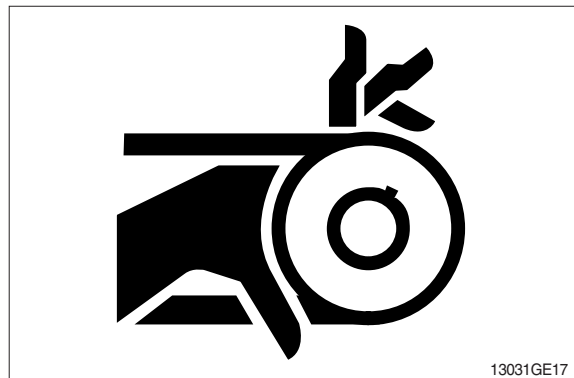
Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



## STAY CLEAR OF MOVING PARTS

Entanglements in moving parts can cause serious injury.

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



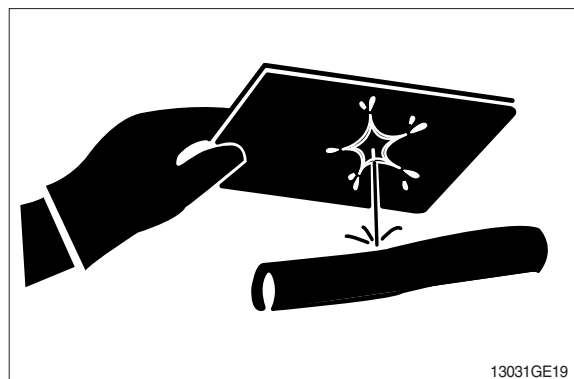
## AVOID HIGH PRESSURE FLUIDS

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.

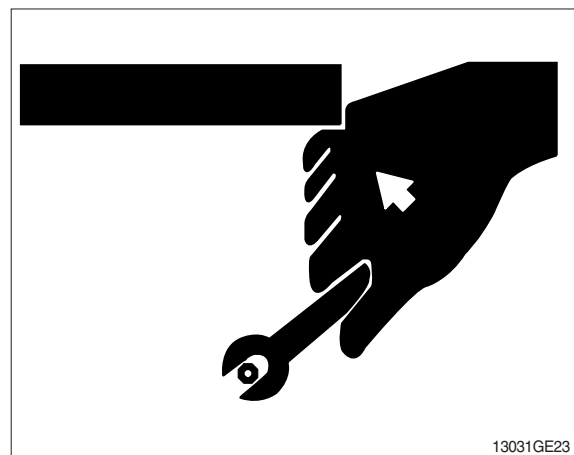
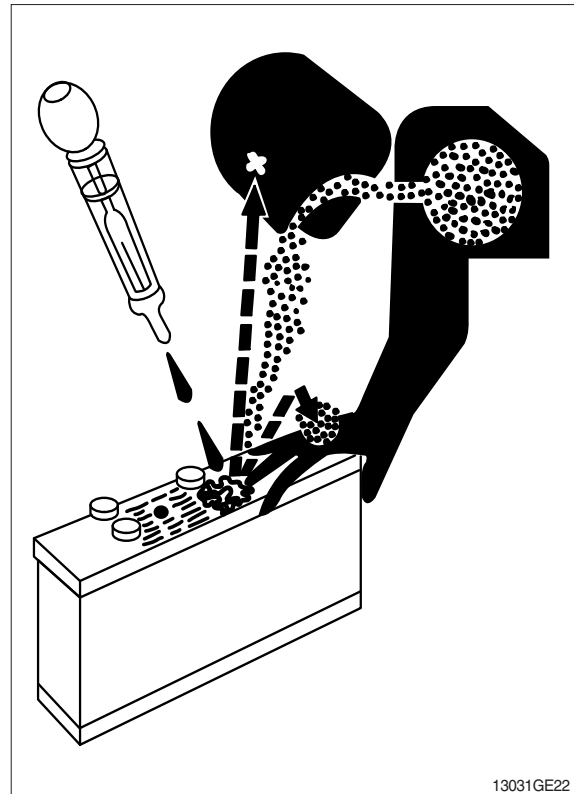
## USE TOOLS PROPERLY

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.)

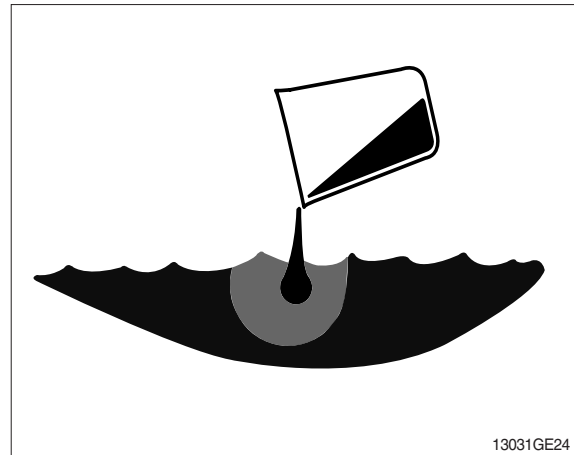


## DISPOSE OF FLUIDS PROPERLY

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.

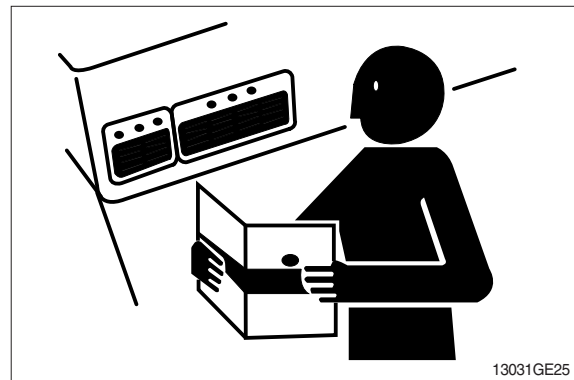
Use proper containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

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.

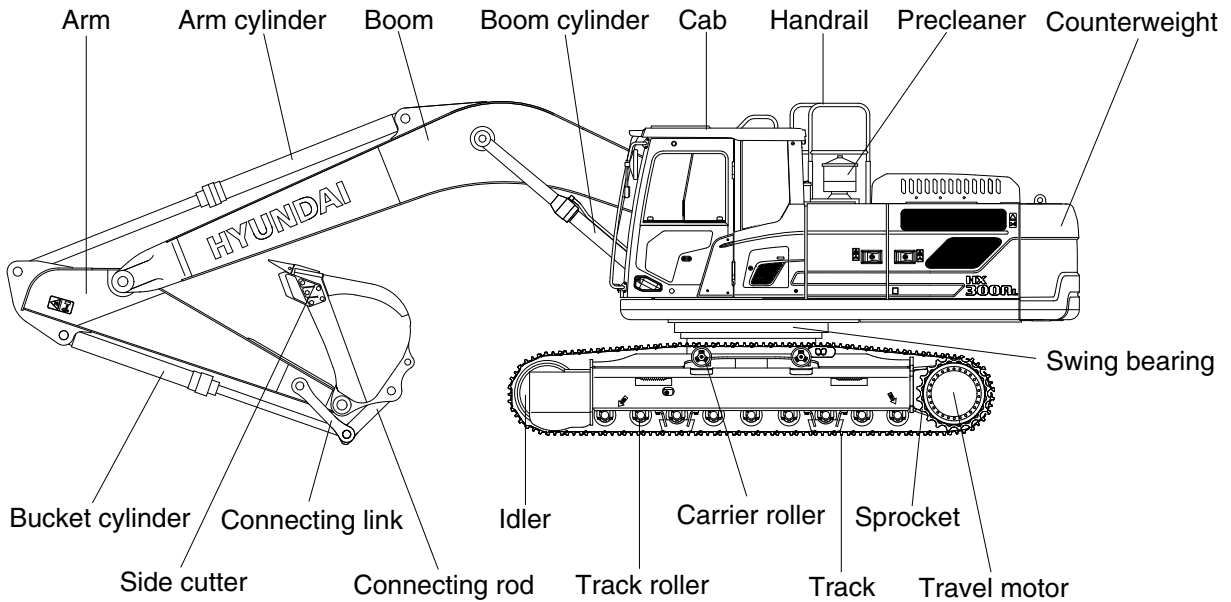
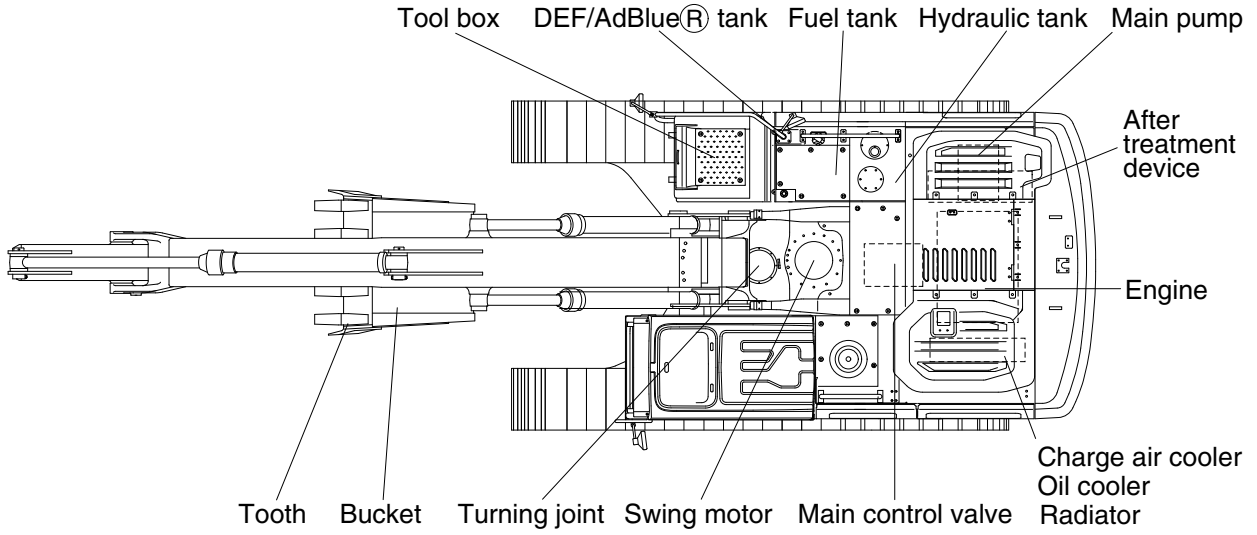


## LIVE WITH SAFETY

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

# GROUP 2 SPECIFICATIONS

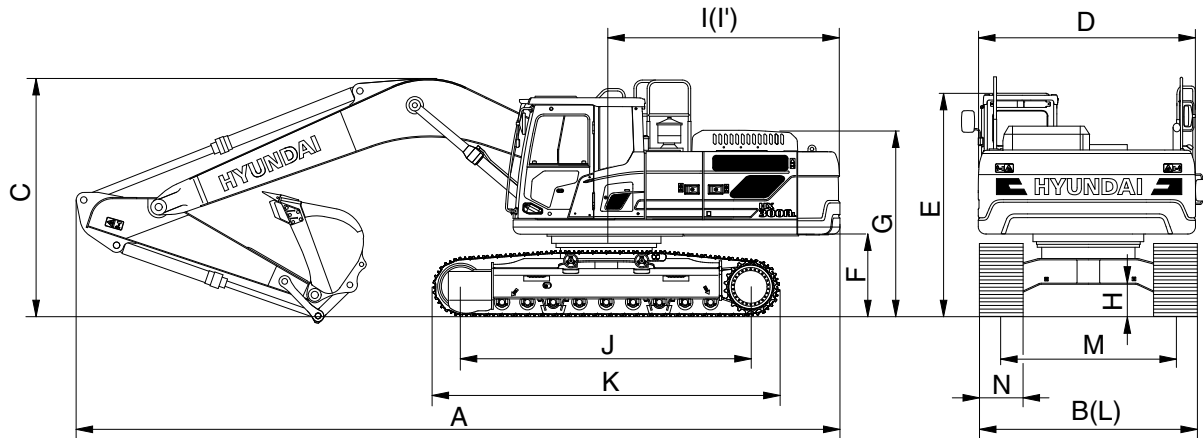
## 1. MAJOR COMPONENT



300A2SP01

## 2. SPECIFICATIONS

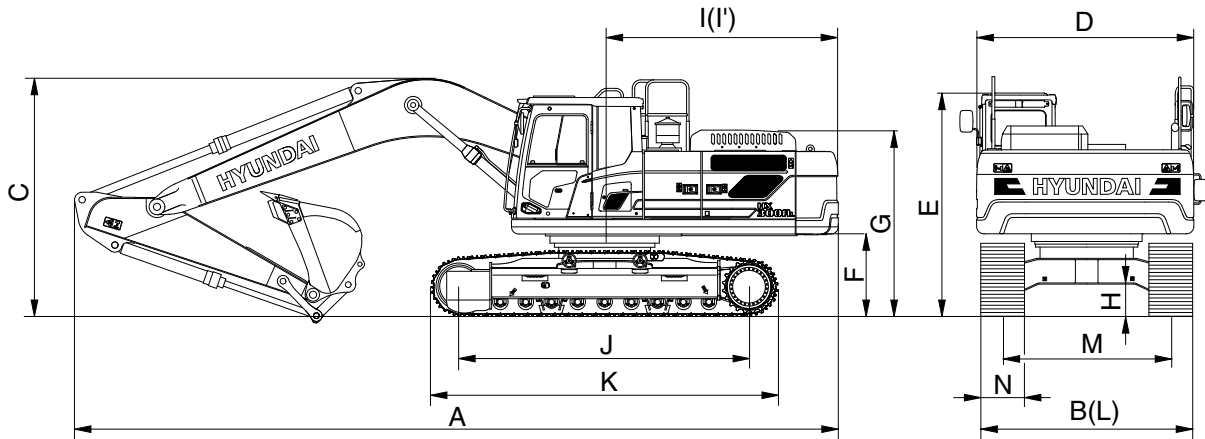
### 1) HX300A L, MONO BOOM



300A2SP02

Description	Unit		Specification			
	m (ft-in)	Boom	6.25 (20' 6")			
		Arm	3.05 (10' 0")	2.10 (6' 11")	2.50 (8' 2")	3.75 (12' 4")
mm (in)	Shoe	600 (24)				
Operating weight	kg (lb)	30520 (67290)	30770 (67840)	30860 (68030)	31110 (68590)	
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	10600 (34' 9")	10750 (35' 3")	10700 (35' 1")	10670 (35' 0")	
Overall width	B	3400 (11' 2")	3400 (11' 2")	3400 (11' 2")	3400 (11' 2")	
Overall height of boom	C	3320 (10' 11")	3720 (12' 2")	3560 (11' 8")	3570 (11' 9")	
Superstructure width	D	2980 (9' 10")	2980 (9' 10")	2980 (9' 10")	2980 (9' 10")	
Overall height of cab	E	3130 (10' 3")	3130 (10' 3")	3130 (10' 3")	3130 (10' 3")	
Ground clearance of counterweight	F	1185 (3' 11")	1185 (3' 11")	1185 (3' 11")	1185 (3' 11")	
Overall height of engine hood	G	2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	
Overall height of handrail	G'	3335 (10' 11")	3335 (10' 11")	3335 (10' 11")	3335 (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	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	
Undercarriage length	K	4885 (16' )	4885 (16' )	4885 (16' )	4885 (16' )	
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)	0.59 (8.42)	0.59 (8.48)	0.60 (8.52)	
Max traction force	kg (lb)	27405 (60418)	27405 (60418)	27405 (60418)	27405 (60418)	

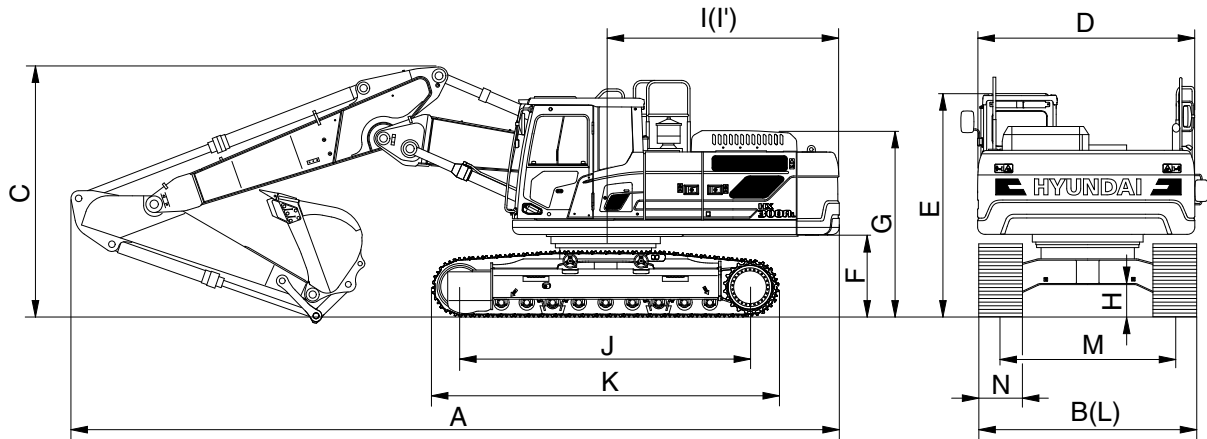
## 2) HX300A NL, MONO BOOM



300A2SP04

Description	Unit		Specification				
	m (ft-in)	Boom	6.25 (20' 6")				
		Arm	3.05 (10' 0")	2.10 (6' 11")	2.50 (8' 2")	3.75 (12' 4")	
	mm (in)	Shoe	600 (24)				
Operating weight	kg (lb)		30400 (67020)	30660 (67590)	30740 (67770)	30990 (68320)	
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)	10600 (34' 9")	10750 (35' 3")	10700 (35' 1")	10670 (35' 0")	
Overall width	B		3190 (10' 6")	3190 (10' 6")	3190 (10' 6")	3190 (10' 6")	
Overall height of boom	C		3320 (10' 11")	3720 (12' 2")	3560 (11' 8")	3570 (11' 9")	
Superstructure width	D		2980 (9' 10")	2980 (9' 10")	2980 (9' 10")	2980 (9' 10")	
Overall height of cab	E		3130 (10' 3")	3130 (10' 3")	3130 (10' 3")	3130 (10' 3")	
Ground clearance of counterweight	F		1185 (3' 11")	1185 (3' 11")	1185 (3' 11")	1185 (3' 11")	
Overall height of engine hood	G		2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	
Overall height of handrail	G'		3335 (10' 11")	3335 (10' 11")	3335 (10' 11")	3335 (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		4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	
Undercarriage length	K		4885 (16')	4885 (16')	4885 (16')	4885 (16')	
Undercarriage width	L		2990 (9' 10")	2990 (9' 10")	2990 (9' 10")	2990 (9' 10")	
Track gauge	M		2390 (7' 10")	2390 (7' 10")	2390 (7' 10")	2390 (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)		0.59 (8.32)	0.59 (8.39)	0.59 (8.42)	0.60 (8.48)	
Max traction force	kg (lb)		27405 (60418)	27405 (60418)	27405 (60418)	27405 (60418)	

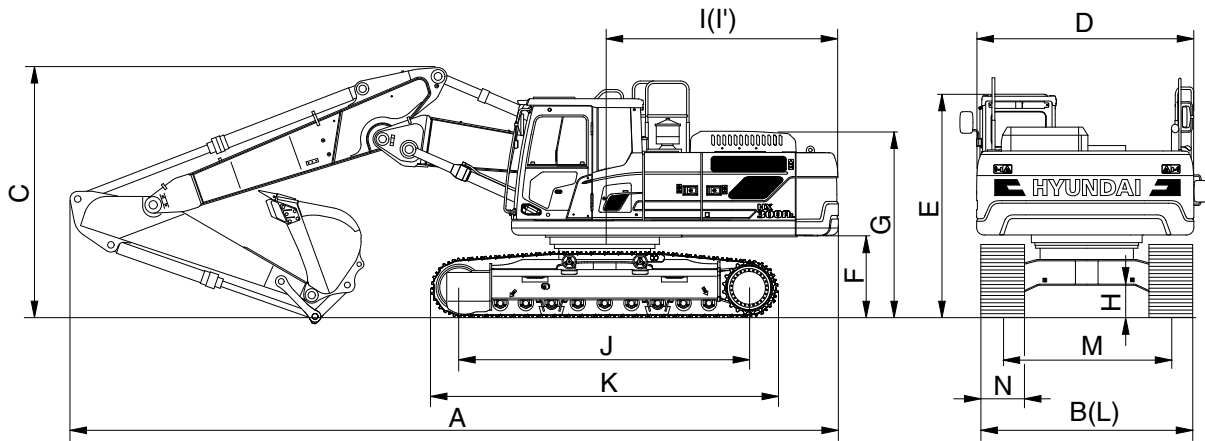
### 3) HX300A L, 2-PIECE BOOM



300A2SP03

Description	Unit		Specification			
	m (ft-in)	Boom	6.25 (20' 6")			
		Arm	3.05 (10' 0")	2.1 (6' 11")	2.5 (8' 2")	
	mm (in)	Shoe	600 (24)			
Operating weight	kg (lb)		33670 (74230)	33980 (74910)	34060 (75090)	
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)	
Overall length	A	mm (ft-in)	10650 (34' 11")	10740 (35' 3")	10700 (35' 1")	
Overall width	B		3400 (11' 2")	3400 (11' 2")	3400 (11' 2")	
Overall height of boom	C		3290 (10' 10")	3510 (11' 6")	3420 (11' 3")	
Superstructure width	D		2980 (9' 10")	2980 (9' 10")	2980 (9' 10")	
Overall height of cab	E		3130 (10' 3")	3130 (10' 3")	3130 (10' 3")	
Ground clearance of counterweight	F		1185 (3' 11")	1185 (3' 11")	1185 (3' 11")	
Overall height of engine hood	G		2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	
Overall height of handrail	G'		3335 (10' 11")	3335 (10' 11")	3335 (10' 11")	
Minimum ground clearance	H		500 (1' 8")	500 (1' 8")	500 (1' 8")	
Rear-end distance	I		3120 (10' 3")	3120 (10' 3")	3120 (10' 3")	
Rear-end swing radius	I'		3210 (10' 7")	3210 (10' 7")	3210 (10' 7")	
Distance between tumbler rollers	J		4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	
Undercarriage length	K		4885 (16')	4885 (16')	4885 (16')	
Undercarriage width	L		3200 (10' 6")	3200 (10' 6")	3200 (10' 6")	
Track gauge	M		2600 (8' 7")	2600 (8' 7")	2600 (8' 7")	
Track shoe width, standard	N		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)	
Swing speed	rpm		11.2	11.2	11.2	
Gradeability	Degree (%)		35 (70)	35 (70)	35 (70)	
Ground pressure	kgf/cm <sup>2</sup> (psi)		0.65 (9.22)	0.65 (9.30)	0.66 (9.32)	
Max traction force	kg (lb)		27405 (60418)	27405 (60418)	27405 (60418)	

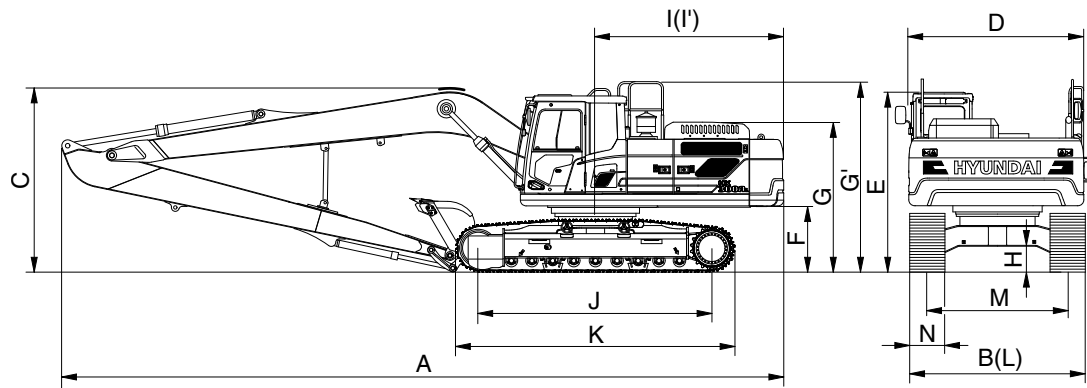
#### 4) HX300A NL, 2-PIECE BOOM



300A2SP07

Description	Unit		Specification			
	m (ft-in)	Boom	6.25 (20' 6")			
		Arm	3.05 (10' 0")	2.1 (6' 11")	2.5 (8' 2")	
	mm (in)	Shoe	600 (24)			
Operating weight	kg (lb)		33550 (73970)	33860 (74650)	33940 (74820)	
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)	
Overall length	A	mm (ft-in)	10650 (34' 11")	10740 (35' 3")	10700 (35' 1")	
Overall width	B		3190 (10' 6")	3190 (10' 6")	3190 (10' 6")	
Overall height of boom	C		3290 (10' 10")	3510 (11' 6")	3420 (11' 3")	
Superstructure width	D		2980 (9' 10")	2980 (9' 10")	2980 (9' 10")	
Overall height of cab	E		3130 (10' 3")	3130 (10' 3")	3130 (10' 3")	
Ground clearance of counterweight	F		1185 (3' 11")	1185 (3' 11")	1185 (3' 11")	
Overall height of engine hood	G		2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	
Overall height of handrail	G'		3335 (10' 11")	3335 (10' 11")	3335 (10' 11")	
Minimum ground clearance	H		500 (1' 8")	500 (1' 8")	500 (1' 8")	
Rear-end distance	I		3120 (10' 3")	3120 (10' 3")	3120 (10' 3")	
Rear-end swing radius	I'		3210 (10' 7")	3210 (10' 7")	3210 (10' 7")	
Distance between tumbler rollers	J		4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	
Undercarriage length	K		4885 (16')	4885 (16')	4885 (16')	
Undercarriage width	L		2990 (9' 10")	2990 (9' 10")	2990 (9' 10")	
Track gauge	M		2390 (7' 10")	2390 (7' 10")	2390 (7' 10")	
Track shoe width, standard	N		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)	
Swing speed	rpm		11.2	11.2	11.2	
Gradeability	Degree (%)		35 (70)	35 (70)	35 (70)	
Ground pressure	kgf/cm <sup>2</sup> (psi)		0.65 (9.18)	0.65 (9.27)	0.65 (9.29)	
Max traction force	kg (lb)		27405 (60418)	27405 (60418)	27405 (60418)	

## 5) HX300A LR

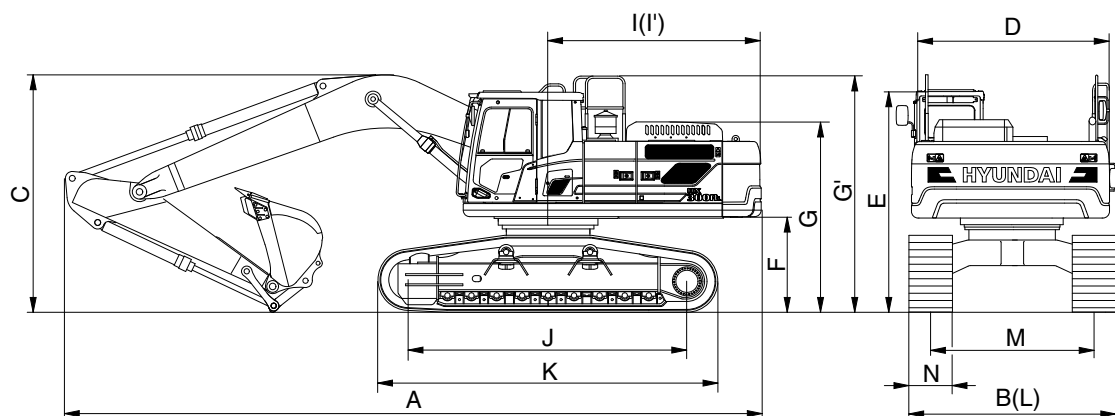


300A2SP05

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			3130 (10' 3")
Ground clearance of counterweight	F			1190 (3' 11")
Overall height of engine hood	G			2600 (8' 6")
Overall height of handrail	G'			3335 (10' 11")
Minimum ground clearance	H			505 (1' 8")
Rear-end distance	I			3120 (10' 3")
Rear-end swing radius	I'			3210 (10' 7")
Distance between tumbler rollers	J			4030 (13' 3")
Undercarriage length	K			4885 (16')
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)
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

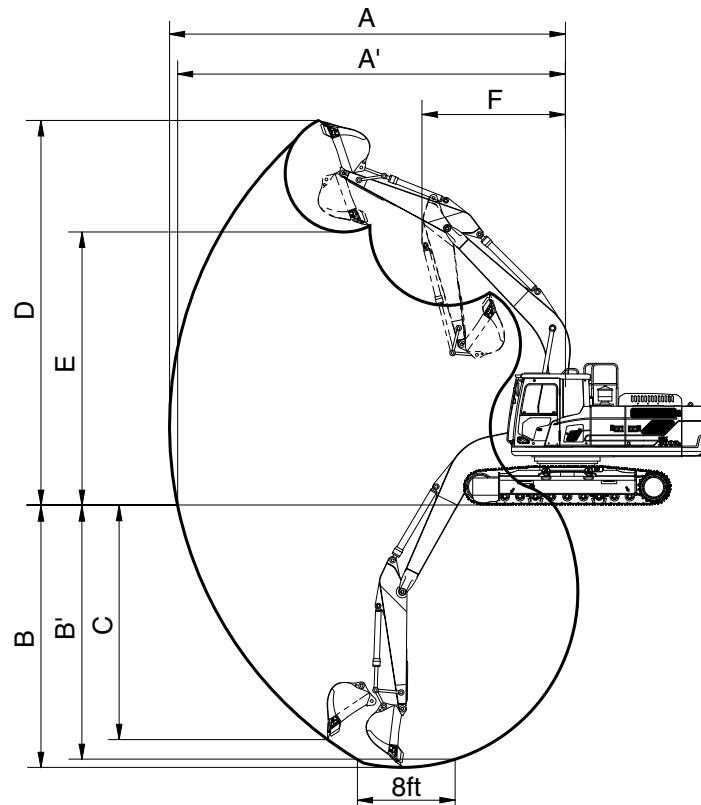


300A2SP06

Description	Unit		Specification			
	m (ft-in)	Boom	6.25 (20' 6")			
		Arm	3.05 (10' 0")	2.10 (6' 11")	2.50 (8' 2")	3.75 (12' 4")
mm (in)	Shoe	700 (28)				
Operating weight	kg (lb)	34810 (76740)	35140 (77470)	35220 (77650)	35470 (78200)	
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	10450 (34' 3")	10730 (35' 2")	10640 (34' 11")	10530 (34' 7")	
Overall width	B	3670 (12' 1")	3670 (12' 1")	3670 (12' 1")	3670 (12' 1")	
Overall height of boom	C	3440 (11' 3")	3830 (12' 7")	3660 (12' 0")	3540 (11' 7")	
Superstructure width	D	3310 (10' 9")	3310 (10' 9")	3310 (10' 9")	3310 (10' 9")	
Overall height of cab	E	3400 (11' 2")	3400 (11' 2")	3400 (11' 2")	3400 (11' 2")	
Ground clearance of counterweight	F	1525 (5' 0")	1525 (5' 0")	1525 (5' 0")	1525 (5' 0")	
Overall height of engine hood	G	2910 (9' 7")	2910 (9' 7")	2910 (9' 7")	2910 (9' 7")	
Overall height of handrail	G'	3650 (12' 0")	3650 (12' 0")	3650 (12' 0")	3650 (12' 0")	
Minimum ground clearance	H	800 (2' 8")	800 (2' 8")	800 (2' 8")	800 (2' 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	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	
Undercarriage length	K	4910 (16' 1")	4910 (16' 1")	4910 (16' 1")	4910 (16' 1")	
Undercarriage width	L	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")	
Track shoe width, standard	N	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)	
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)	0.57 (8.15)	0.58 (8.23)	0.58 (8.25)	0.58 (8.3)	
Max traction force	kg (lb)	31613 (69695)	31613 (69695)	31613 (69695)	31613 (69695)	

### 3. WORKING RANGE

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

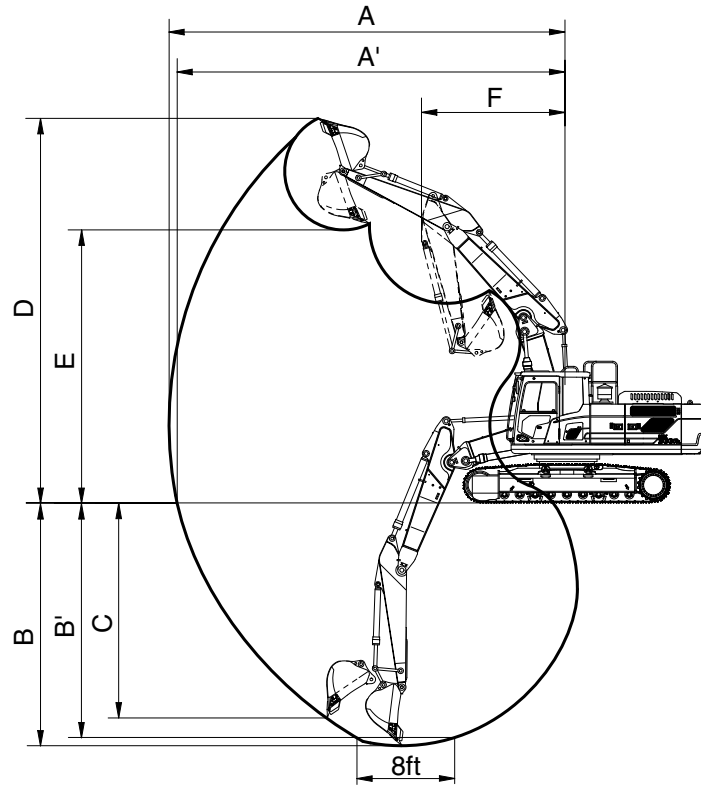


300A2SP10

Description	m (ft-in)	Boom	6.25 (20' 6")			
		Arm	2.10 (6' 11")	2.50 (8' 2")	3.05 (10' 0")	3.75 (12' 4")
Max digging reach	mm (ft-in)	A	10040 (32' 11")	10310 (33' 10")	10810 (35' 6")	11420 (37' 6")
Max digging reach on ground		A'	9820 (32' 3")	10100 (33' 2")	10610 (34' 10")	11230 (36' 10")
Max digging depth		B	6380 (20' 11")	6780 (22' 3")	7330 (24' 1")	8030 (26' 4")
Max digging depth (8 ft level)		B'	6180 (20' 3")	6600 (21' 8")	7170 (23' 6")	7890 (25' 11")
Max vertical wall digging depth		C	5910 (19' 5")	5760 (18' 11")	6280 (20' 7")	6990 (22' 11")
Max digging height		D	10130 (33' 3")	9980 (32' 9")	10200 (33' 6")	10410 (34' 2")
Max dumping height		E	6990 (22' 11")	6930 (22' 9")	7150 (23' 5")	7360 (24' 2")
Min swing radius		F	4420 (14' 6")	4320 (14' 2")	4270 (14' 0")	4220 (13' 10")
Bucket digging force	kN	SAE	164.8 [178.9]	165.7 [179.9]	165.7 [179.9]	166.7 [181]
	kgf		16800 [18240]	16900 [18350]	16900 [18350]	17000 [18460]
	lbf		37040 [40210]	37260 [40450]	37260 [40450]	37480 [40690]
	kN	ISO	191.2 [207.6]	191.2 [207.6]	192.2 [208.7]	192.2 [208.7]
	kgf		19500 [21170]	19500 [21170]	19600 [21280]	19600 [21280]
	lbf		42990 [46680]	42990 [46680]	43210 [46910]	43210 [46910]
Arm digging force	kN	SAE	180.4 [195.9]	155.9 [169.3]	131.4 [142.7]	114.7 [124.6]
	kgf		18400 [19980]	15900 [17260]	13400 [14550]	11700 [12700]
	lbf		40570 [44040]	35050 [38060]	29540 [32070]	25790 [28010]
	kN	ISO	190.2 [206.6]	163.8 [177.8]	136.3 [148]	119.6 [129.9]
	kgf		19400 [21060]	16700 [18130]	13900 [15090]	12200 [13250]
	lbf		42770 [46440]	36820 [39970]	30640 [33270]	26900 [29200]

[ ] : Power boost

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

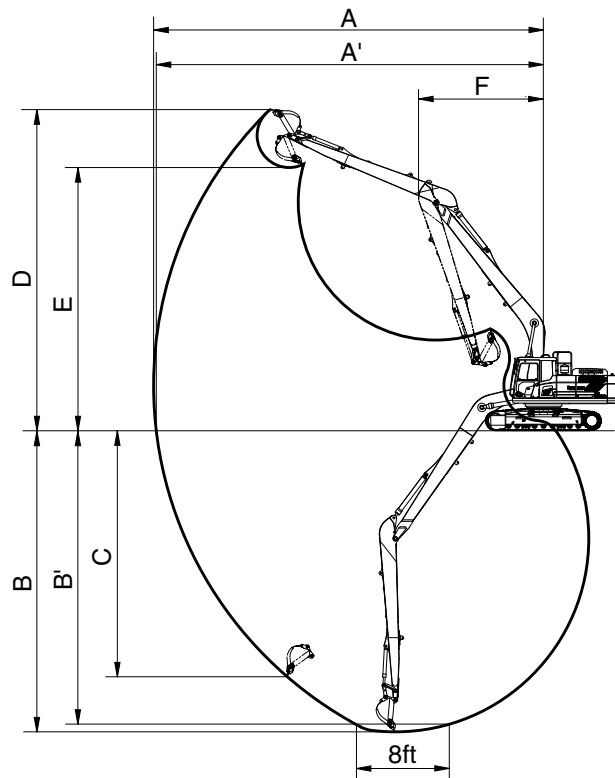


300A2SP11

Description	m (ft-in)	Boom	6.25 (20' 6")		
		Arm	2.10 (6' 11")	2.50 (8' 2")	3.05 (10' 0")
Max digging reach	mm (ft-in)	A	10080 (33' 1")	10360 (34' 0")	10870 (35' 8")
Max digging reach on ground		A'	9860 (32' 4")	10150 (33' 4")	10670 (35' 0")
Max digging depth		B	5870 (19' 3")	6220 (20' 5")	6760 (22' 2")
Max digging depth (8 ft level)		B'	5760 (18' 11")	6120 (20' 1")	6670 (21' 11")
Max vertical wall digging depth		C	4950 (16' 3")	5150 (16' 11")	5690 (18' 8")
Max digging height		D	11590 (38' 0")	11730 (38' 6")	12140 (39' 10")
Max dumping height		E	8360 (27' 5")	8500 (27' 11")	8910 (29' 3")
Min swing radius		F	3200 (10' 6")	2920 (9' 7")	2650 (8' 8")
Bucket digging force	kN	SAE	164.8 [178.9]	165.7 [179.9]	165.7 [179.9]
	kgf		16800 [18240]	16900 [18350]	16900 [18350]
	lbf		37040 [40210]	37260 [40450]	37260 [40450]
	kN	ISO	191.2 [207.6]	191.2 [207.6]	192.2 [208.7]
	kgf		19500 [21170]	19500 [21170]	19600 [21280]
	lbf		42990 [46680]	42990 [46680]	43210 [46910]
Arm digging force	kN	SAE	180.4 [195.9]	155.9 [169.3]	131.4 [142.7]
	kgf		18400 [19980]	15900 [17260]	13400 [14550]
	lbf		40570 [44040]	35050 [38060]	29540 [32070]
	kN	ISO	190.2 [206.6]	163.8 [177.8]	136.3 [148]
	kgf		19400 [21060]	16700 [18130]	13900 [15090]
	lbf		42770 [46440]	36820 [39970]	30640 [33270]

[ ] : Power boost

### 3) HX300A LR

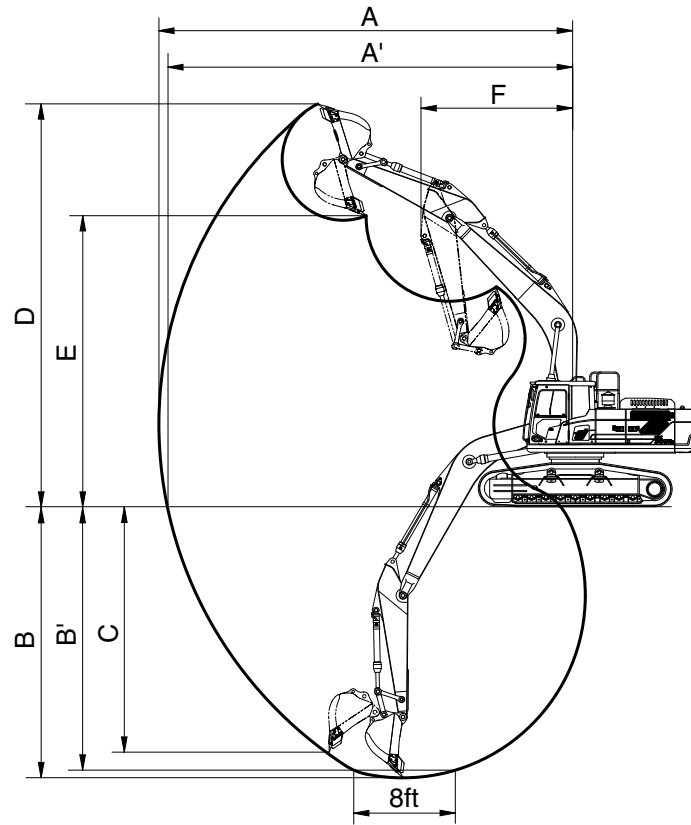


300A2SP12

Description	m (ft-in)	Boom	10.2 (33' 6")	
		Arm	7.85 (25' 9")	Highwalker 7.85 (25' 9")
Max digging reach	mm (ft-in)	A	18530 (60' 10")	18530 (60' 10")
Max digging reach on ground		A'	18410 (60' 5")	18370 (60' 3")
Max digging depth		B	14740 (48' 4")	14420 (47' 4")
Max digging depth (8 ft level)		B'	14660 (48' 1")	14340 (47' 1")
Max vertical wall digging depth		C	13700 (44' 11")	13380 (43' 11")
Max digging height		D	14590 (47' 10")	14910 (48' 11")
Max dumping height		E	12270 (40' 3")	12590 (41' 4")
Min swing radius		F	6270 (20' 7")	6270 (20' 7")
Bucket digging force	kN	SAE	166.7 [181]	166.7 [181]
	kgf		17000 [18460]	17000 [18460]
	lbf		37480 [40690]	37480 [40690]
	kN	ISO	192.2 [208.7]	192.2 [208.7]
	kgf		19600 [21280]	19600 [21280]
	lbf		43210 [46910]	43210 [46910]
Arm digging force	kN	SAE	114.7 [124.6]	114.7 [124.6]
	kgf		11700 [12700]	11700 [12700]
	lbf		25790 [28010]	25790 [28010]
	kN	ISO	119.6 [129.9]	119.6 [129.9]
	kgf		12200 [13250]	12200 [13250]
	lbf		26900 [29200]	26900 [29200]

[ ] : Power boost

#### 4) HX300A HW



300A2SP13

Description	m (ft-in)	Boom	6.25 (20' 6")			
		Arm	2.10 (6' 11")	2.50 (8' 2")	3.05 (10' 0")	3.75 (12' 4")
Max digging reach		A	10040 (32' 11")	10310 (33' 10")	10807 (35' 5")	11420 (37' 6")
Max digging reach on ground		A'	9750 (32' 0")	10020 (32' 10")	10536 (34' 7")	11170 (36' 8")
Max digging depth		B	6060 (19' 11")	6460 (21' 2")	7010 (23' 0")	7710 (25' 4")
Max digging depth (8 ft level)		B'	5860 (19' 3")	6280 (20' 7")	6850 (22' 6")	7570 (24' 10")
Max vertical wall digging depth		C	5590 (18' 4")	5440 (17' 10")	5960 (19' 7")	6670 (21' 11")
Max digging height		D	10450 (34' 3")	10300 (33' 10")	10520 (34' 6")	10730 (35' 2")
Max dumping height		E	7320 (24' 0")	7250 (23' 9")	7470 (24' 6")	7680 (25' 2")
Min swing radius		F	4420 (14' 6")	4320 (14' 2")	4270 (14' 0")	4220 (13' 10")
Bucket digging force	kN		164.8 [178.9]	165.7 [179.9]	165.7 [179.9]	166.7 [181]
	kgf	SAE	16800 [18240]	16900 [18350]	16900 [18350]	17000 [18460]
	lbf		37040 [40210]	37260 [40450]	37260 [40450]	37480 [40690]
	kN		191.2 [207.6]	191.2 [207.6]	192.2 [208.7]	192.2 [208.7]
	kgf	ISO	19500 [21170]	19500 [21170]	19600 [21280]	19600 [21280]
	lbf		42990 [46680]	42990 [46680]	43210 [46910]	43210 [46910]
Arm digging force	kN		180.4 [195.9]	155.9 [169.3]	131.4 [142.7]	114.7 [124.6]
	kgf	SAE	18400 [19980]	15900 [17260]	13400 [14550]	11700 [12700]
	lbf		40570 [44040]	35050 [38060]	29540 [32070]	25790 [28010]
	kN		190.2 [206.6]	163.8 [177.8]	136.3 [148]	119.6 [129.9]
	kgf	ISO	19400 [21060]	16700 [18130]	13900 [15090]	12200 [13250]
	lbf		42770 [46440]	36820 [39970]	30640 [33270]	26900 [29200]

[ ] : 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.

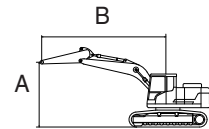
※ Refer to Transportation for actual weight information and Specifications for operating weight.















## 5. LIFTING CAPACITIES

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A L	MONO BOOM	6250	3050	5100	800	-	-	-	-	-

•  : 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																*4400	*4400	7.38
	lb																*9700	*9700	(24.2)
6.0 m (19.7 ft)	kg								*6760	6260							*4210	*4210	8.30
	lb								*14900	13800							*9280	*9280	(27.2)
4.5 m (14.8 ft)	kg					*10020	*10020	*8140	*8140	*7220	6060						*4200	*4200	8.86
	lb					*22090	*22090	*17950	*17950	*15920	13360						*9260	*9260	(29.1)
3.0 m (9.8 ft)	kg					*12900	12250	*9490	8060	*7900	5770	*5480	4290	*4340	4160			9.14	
	lb					*28440	27010	*20920	17770	*17420	12720	*12080	9460	*9570	9170			(30.0)	
1.5 m (4.9 ft)	kg					*15060	11210	*10710	7520	*8570	5470	*6180	4130	*4640	4000			9.17	
	lb					*33200	24710	*23610	16580	*18890	12060	*13620	9110	*10230	8820			(30.1)	
0.0 m (0.0 ft)	kg					*15890	10640	*11460	7120	8420	5220			*5150	4030			8.94	
	lb					*35030	23460	*25260	15700	18560	11510			*11350	8880			(29.3)	
-1.5 m (-4.9 ft)	kg	*7640	*7640	*11090	*11090	*15730	10390	11540	6880	8230	5050			*6050	4280			8.44	
	lb	*16840	*16840	*24450	*24450	*34680	22910	25440	15170	18140	11130			*13340	9440			(27.7)	
-3.0 m (-9.8 ft)	kg	*13090	*13090	*17900	*17900	*14740	10330	*11060	6780	8180	5000			*7760	4910			7.61	
	lb	*28860	*28860	*39460	*39460	*32500	22770	*24380	14950	18030	11020			*17110	10820			(25.0)	
-4.5 m (-14.8 ft)	kg			*17250	*17250	*12540	10460	*9180	6880					*8450	6430			6.31	
	lb			*38030	*38030	*27650	23060	*20240	15170					*18630	14180			(20.7)	

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. \*Indicates load limited by hydraulic capacity.

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

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▲ Failure to comply to the rated load can cause possible personal injury or property damage.

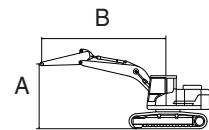
Make adjustments to the rated load as necessary for non-standard configurations.

















Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	3050	5100	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																*4400	*4400	7.38
	lb																*9700	*9700	(24.2)
6.0 m (19.7 ft)	kg								*6760	6090						*4210	*4210	8.30	
	lb								*14900	13430						*9280	*9280	(27.2)	
4.5 m (14.8 ft)	kg					*10020	*10020	*8140	*8140	*7220	5890				*4200	*4200	8.86		
	lb					*22090	*22090	*17950	*17950	*15920	12990				*9260	*9260	(29.1)		
3.0 m (9.8 ft)	kg					*12900	11920	*9490	7840	*7900	5610	*5480	4150	*4340	4030	9.14			
	lb					*28440	26280	*20920	17280	*17420	12370	*12080	9150	*9570	8880	(30.0)			
1.5 m (4.9 ft)	kg					*15060	10880	*10710	7300	8440	5310	*6180	4000	*4640	3870	9.17			
	lb					*33200	23990	*23610	16090	18610	11710	*13620	8820	*10230	8530	(30.1)			
0.0 m (0.0 ft)	kg					*15890	10310	11460	6900	8160	5050			*5150	3890	8.94			
	lb					*35030	22730	25260	15210	17990	11130			*11350	8580	(29.3)			
-1.5 m (-4.9 ft)	kg	*7640	*7640	*11090	*11090	*15730	10060	11170	6650	7970	4880			*6050	4130	8.44			
	lb	*16840	*16840	*24450	*24450	*34680	22180	24630	14660	17570	10760			*13340	9110	(27.7)			
-3.0 m (-9.8 ft)	kg	*13090	*13090	*17900	*17900	*14740	10000	*11060	6560	7910	4830			7750	4740	7.61			
	lb	*28860	*28860	*39460	*39460	*32500	22050	*24380	14460	17440	10650			17090	10450	(25.0)			
-4.5 m (-14.8 ft)	kg			*17250	*17250	*12540	10130	*9180	6660					*8450	6220	6.31			
	lb			*38030	*38030	*27650	22330	*20240	14680					*18630	13710	(20.7)			

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. \*Indicates load limited by hydraulic capacity.

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Failure to comply to the rated load can cause possible personal injury or property damage.

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



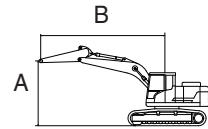
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A L	MONO BOOM	6250	2100	5100	600	-	-	-	-	-



: 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					*8070	*8070			*8230	7750	6.40
	lb					*17790	*17790			*18140	17090	(21.0)
6.0 m (19.7 ft)	kg					*8290	*8290			*7990	5940	7.44
	lb					*18280	*18280			*17610	13100	(24.4)
4.5 m (14.8 ft)	kg					*9270	8150	*8110	5760	7860	5060	8.06
	lb					*20440	17970	*17880	12700	17330	11160	(26.5)
3.0 m (9.8 ft)	kg					*10480	7630	*8620	5520	7230	4610	8.37
	lb					*23100	16820	*19000	12170	15940	10160	(27.5)
1.5 m (4.9 ft)	kg					*11430	7170	8380	5260	7020	4430	8.40
	lb					*25200	15810	18470	11600	15480	9770	(27.6)
0.0 m (0.0 ft)	kg					11400	6870	8160	5070	7210	4500	8.15
	lb					25130	15150	17990	11180	15900	9920	(26.8)
-1.5 m (-4.9 ft)	kg			*15200	10170	11230	6730	8060	4980	7910	4900	7.60
	lb			*33510	22420	24760	14840	17770	10980	17440	10800	(24.9)
-3.0 m (-9.8 ft)	kg	*17600	*17600	*13580	10220	*10280	6740			*8750	5880	6.66
	lb	*38800	*38800	*29940	22530	*22660	14860			*19290	12960	(21.9)
-4.5 m (-14.8 ft)	kg			*10000	*10000					*8240	*8240	5.12
	lb			*22050	*22050					*18170	*18170	(16.8)

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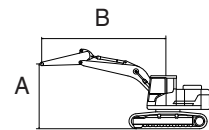
Failure to comply to the rated load can cause possible personal injury or property damage.















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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A L	MONO BOOM	6250	2500	5100	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)		Capacity		Reach		
																m (ft)
7.5 m (24.6 ft)	kg							*7410	*7410					*6770	*6770	6.74
	lb							*16340	*16340					*14930	*14930	(22.1)
6.0 m (19.7 ft)	kg							*7780	*7780	*7410	5980	*6440	5640	*6440	5640	7.74
	lb							*17150	*17150	*16340	13180	*14200	12430	*14200	12430	(25.4)
4.5 m (14.8 ft)	kg					*11180	*11180	*8810	8250	*7740	5820	*6420	4840	*6420	4840	8.34
	lb					*24650	*24650	*19420	18190	*17060	12830	*14150	10670	*14150	10670	(27.4)
3.0 m (9.8 ft)	kg					*14020	11540	*10080	7710	*8330	5550	*6640	4410	*6640	4410	8.64
	lb					*30910	25440	*22220	17000	*18360	12240	*14640	9720	*14640	9720	(28.3)
1.5 m (4.9 ft)	kg							*11150	7220	8400	5280	6710	4230	6710	4230	8.67
	lb							*24580	15920	18520	11640	14790	9330	14790	9330	(28.4)
0.0 m (0.0 ft)	kg					*16030	10250	11420	6880	8150	5060	6850	4280	6850	4280	8.43
	lb					*35340	22600	25180	15170	17970	11160	15100	9440	15100	9440	(27.6)
-1.5 m (-4.9 ft)	kg			*11140	*11140	*15490	10110	11200	6690	8010	4930	7440	4600	7440	4600	7.89
	lb			*24560	*24560	*34150	22290	24690	14750	17660	10870	16400	10140	16400	10140	(25.9)
-3.0 m (-9.8 ft)	kg			*19040	*19040	*14130	10120	*10700	6660			*8730	5420	*8730	5420	6.99
	lb			*41980	*41980	*31150	22310	*23590	14680			*19250	11950	*19250	11950	(22.9)
-4.5 m (-14.8 ft)	kg			*15060	*15060	*11270	10340					*8760	7630	*8760	7630	5.55
	lb			*33200	*33200	*24850	22800					*19310	16820	*19310	16820	(18.2)

Note 1. Lifting capacity are based on ISO 10567.

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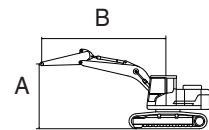
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












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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A L	MONO BOOM	6250	3750	5100	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)				
9.0 m (29.5 ft)	kg																*3820	*3820	6.87
	lb																*8420	*8420	(22.5)
7.5 m (24.6 ft)	kg								*5120	*5120							*3490	*3490	8.14
	lb								*11290	*11290							*7690	*7690	(26.7)
6.0 m (19.7 ft)	kg								*6010	*6010							*3370	*3370	8.97
	lb								*13250	*13250							*7430	*7430	(29.4)
4.5 m (14.8 ft)	kg							*7250	*7250	*6570	6010	*5230	4380	*3370	*3370		*3370	*3370	9.50
	lb							*15980	*15980	*14480	13250	*11530	9660	*7430	*7430		*7430	*7430	(31.2)
3.0 m (9.8 ft)	kg				*11450	*11450	*8680	8040	*7330	5700	*6440	4220	*3490	*3490		*3490	*3490	9.76	
	lb				*25240	*25240	*19140	17730	*16160	12570	*14200	9300	*7690	*7690		*7690	*7690	(32.0)	
1.5 m (4.9 ft)	kg				*14020	11230	*10060	7440	*8110	5370	6390	4030	*3720	3490		3490	3490	9.79	
	lb				*30910	24760	*22180	16400	*17880	11840	14090	8880	*8200	7690		7690	7690	(32.1)	
0.0 m (0.0 ft)	kg			*6810	*6810	*15440	10460	*11060	6960	8190	5070	6200	3860	*4100	3490		3490	3490	9.58
	lb			*15010	*15010	*34040	23060	*24380	15340	18060	11180	13670	8510	*9040	7690		7690	7690	(31.4)
-1.5 m (-4.9 ft)	kg	*7060	*7060	*10560	*10560	*15790	10050	11180	6650	7950	4860	*5710	3730	*4750	3660		3660	3660	9.11
	lb	*15560	*15560	*23280	*23280	*34810	22160	24650	14660	17530	10710	*12590	8220	*10470	8070		8070	8070	(29.9)
-3.0 m (-9.8 ft)	kg	*11090	*11090	*15460	*15460	*15260	9890	10990	6480	7820	4740			*5900	4090		4090	4090	8.35
	lb	*24450	*24450	*34080	*34080	*33640	21800	24230	14290	17240	10450			*13010	9020		9020	9020	(27.4)
-4.5 m (-14.8 ft)	kg	*15980	*15980	*19530	*19530	*13710	9930	*10210	6480					*7970	5060		5060	5060	7.19
	lb	*35230	*35230	*43060	*43060	*30230	21890	*22510	14290					*17570	11160		11160	11160	(23.6)
-6.0 m (-19.7 ft)	kg			*14480	*14480	*10280	10220							*8200	7860		7860	7860	5.38
	lb			*31920	*31920	*22660	22530							*18080	17330		17330	17330	(17.6)

Note 1. Lifting capacity are based on ISO 10567.

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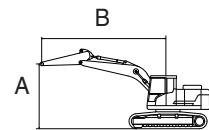
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




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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A L	2-PIECE BOOM	6250	3050	7500	600	-	-	-	-	-

•  : Rating over-front

•  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)										At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach	
													m (ft)	
10.5 m (34.4 ft)	kg											*7620	*7620	3.56
	lb											*16800	*16800	(11.7)
9.0 m (29.5 ft)	kg			*8810	*8810	*5960	*5960					*5620	*5620	6.06
	lb			*19420	*19420	*13140	*13140					*12390	*12390	(19.9)
7.5 m (24.6 ft)	kg			*8650	*8650	*8260	*8260					*4980	*4980	7.46
	lb			*19070	*19070	*18210	*18210					*10980	*10980	(24.5)
6.0 m (19.7 ft)	kg			*9620	*9620	*8570	*8570	*7080	6960			*4730	*4730	8.37
	lb			*21210	*21210	*18890	*18890	*15610	15340			*10430	*10430	(27.5)
4.5 m (14.8 ft)	kg			*13210	*13210	*9420	*9420	*7380	6780			*4690	*4690	8.93
	lb			*29120	*29120	*20770	*20770	*16270	14950			*10340	*10340	(29.3)
3.0 m (9.8 ft)	kg			*17280	13690	*10840	9030	*7900	6530	*6330	4960	*4800	4780	9.21
	lb			*38100	30180	*23900	19910	*17420	14400	*13960	10930	*10580	10540	(30.2)
1.5 m (4.9 ft)	kg			*18620	12860	*12630	8590	*8530	6300	*6550	4860	*5080	4670	9.24
	lb			*41050	28350	*27840	18940	*18810	13890	*14440	10710	*11200	10300	(30.3)
0.0 m (0.0 ft)	kg			*18240	12520	13460	8320	*9100	6140	*5760	4800	*5580	4790	9.01
	lb			*40210	27600	29670	18340	*20060	13540	*12700	10580	*12300	10560	(29.6)
-1.5 m (-4.9 ft)	kg	*12150	*12150	*16610	12480	*12770	8220	*9440	6080			*6440	5170	8.51
	lb	*26790	*26790	*36620	27510	*28150	18120	*20810	13400			*14200	11400	(27.9)
-3.0 m (-9.8 ft)	kg			*13800	12630	*10810	8290	*7800	6170			*7270	5990	7.69
	lb			*30420	27840	*23830	18280	*17200	13600			*16030	13210	(25.2)

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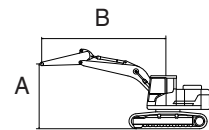
Failure to comply to the rated load can cause possible personal injury or property damage.











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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A L	2-PIECE BOOM	6250	2100	7500	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)	
9.0 m (29.5 ft)	kg			*12080	*12080					*11730	*11730	4.73
	lb			*26630	*26630					*25860	*25860	(15.5)
7.5 m (24.6 ft)	kg			*11420	*11420	*9410	*9410			*9160	8690	6.44
	lb			*25180	*25180	*20750	*20750			*20190	19160	(21.1)
6.0 m (19.7 ft)	kg			*12590	*12590	*9580	*9580			*8070	6800	7.48
	lb			*27760	*27760	*21120	*21120			*17790	14990	(24.5)
4.5 m (14.8 ft)	kg					*10540	9320	*8110	6690	*7600	5910	8.10
	lb					*23240	20550	*17880	14750	*16760	13030	(26.6)
3.0 m (9.8 ft)	kg					*12130	8880	*8570	6500	*7490	5490	8.41
	lb					*26740	19580	*18890	14330	*16510	12100	(27.6)
1.5 m (4.9 ft)	kg					13690	8550	*9120	6320	*7680	5390	8.44
	lb					30180	18850	*20110	13930	*16930	11880	(27.7)
0.0 m (0.0 ft)	kg					*13360	8390	*9540	6230	*8210	5580	8.19
	lb					*29450	18500	*21030	13730	*18100	12300	(26.9)
-1.5 m (-4.9 ft)	kg			*14640	12760	*11860	8390	*8700	6280	*8210	6150	7.64
	lb			*32280	28130	*26150	18500	*19180	13850	*18100	13560	(25.1)
-3.0 m (-9.8 ft)	kg					*8800	8580					
	lb					*19400	18920					

Note 1. Lifting capacity are based on ISO 10567.

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- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- \*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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Make adjustments to the rated load as necessary for non-standard configurations.

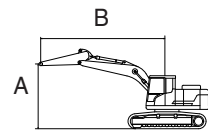
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A L	2-PIECE BOOM	6250	2500	7500	600	-	-	-	-	-



: 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)	
9.0 m (29.5 ft)	kg			*9920	*9920					*8890	*8890	5.23
	lb			*21870	*21870					*19600	*19600	(17.1)
7.5 m (24.6 ft)	kg			*9860	*9860	*8870	*8870			*7710	*7710	6.81
	lb			*21740	*21740	*19550	*19550			*17000	*17000	(22.4)
6.0 m (19.7 ft)	kg	*12360	*12360	*11330	*11330	*9140	*9140	*7560	6870	*7280	6420	7.80
	lb	*27250	*27250	*24980	*24980	*20150	*20150	*16670	15150	*16050	14150	(25.6)
4.5 m (14.8 ft)	kg			*14830	14490	*10060	9410	*7790	6730	*7000	5620	8.40
	lb			*32690	31940	*22180	20750	*17170	14840	*15430	12390	(27.5)
3.0 m (9.8 ft)	kg					*11580	8940	*8290	6510	*6930	5230	8.70
	lb					*25530	19710	*18280	14350	*15280	11530	(28.5)
1.5 m (4.9 ft)	kg					*13370	8560	*8880	6310	*7120	5110	8.72
	lb					*29480	18870	*19580	13910	*15700	11270	(28.6)
0.0 m (0.0 ft)	kg			*17650	12570	13480	8350	*9370	6190	*7410	5270	8.48
	lb			*38910	27710	29720	18410	*20660	13650	*16340	11620	(27.8)
-1.5 m (-4.9 ft)	kg			*15580	12620	*12300	8320	*9390	6180	*8330	5750	7.95
	lb			*34350	27820	*27120	18340	*20700	13620	*18360	12680	(26.1)
-3.0 m (-9.8 ft)	kg			*12320	*12320	*9780	8450			*7330	6850	7.06
	lb			*27160	*27160	*21560	18630			*16160	15100	(23.2)

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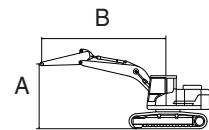
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














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
		6250	3050	5100	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														*4400	*4400	7.38
	lb														*9700	*9700	(24.2)
6.0 m (19.7 ft)	kg								*6760	5590					*4210	*4210	8.30
	lb								*14900	12320					*9280	*9280	(27.2)
4.5 m (14.8 ft)	kg				*10020	*10020	*8140	7690	*7220	5400					*4200	4010	8.86
	lb				*22090	*22090	*17950	16950	*15920	11900					*9260	8840	(29.1)
3.0 m (9.8 ft)	kg				*12900	10770	*9490	7150	*7900	5120	*5480	3780	*4340	3660	9.14		
	lb				*28440	23740	*20920	15760	*17420	11290	*12080	8330	*9570	8070	(30.0)		
1.5 m (4.9 ft)	kg				*15060	9760	*10710	6620	8410	4820	*6180	3620	*4640	3510	9.17		
	lb				*33200	21520	*23610	14590	18540	10630	*13620	7980	*10230	7740	(30.1)		
0.0 m (0.0 ft)	kg				*15890	9210	11410	6220	8120	4570			*5150	3520	8.94		
	lb				*35030	20300	25150	13710	17900	10080			*11350	7760	(29.3)		
-1.5 m (-4.9 ft)	kg	*7640	*7640	*11090	*11090	*15730	8970	11130	5990	7940	4410			*6050	3730	8.44	
	lb	*16840	*16840	*24450	*24450	*34680	19780	24540	13210	17500	9720			*13340	8220	(27.7)	
-3.0 m (-9.8 ft)	kg	*13090	*13090	*17900	17400	*14740	8910	11030	5900	7880	4360			7720	4280	7.61	
	lb	*28860	*28860	*39460	38360	*32500	19640	24320	13010	17370	9610			17020	9440	(25.0)	
-4.5 m (-14.8 ft)	kg			*17250	*17250	*12540	9040	*9180	5990					*8450	5600	6.31	
	lb			*38030	*38030	*27650	19930	*20240	13210					*18630	12350	(20.7)	

Note 1. Lifting capacity are based on ISO 10567.

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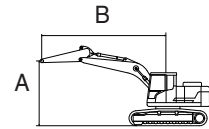
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


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
		6250	2100	5100	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					*8070	8010			*8230	7110	6.40
	lb					*17790	17660			*18140	15670	(21.0)
6.0 m (19.7 ft)	kg					*8290	7870			*7990	5440	7.44
	lb					*18280	17350			*17610	11990	(24.4)
4.5 m (14.8 ft)	kg					*9270	7450	*8110	5270	7830	4620	8.06
	lb					*20440	16420	*17880	11620	17260	10190	(26.5)
3.0 m (9.8 ft)	kg					*10480	6940	*8620	5030	7200	4200	8.37
	lb					*23100	15300	*19000	11090	15870	9260	(27.5)
1.5 m (4.9 ft)	kg					*11430	6500	8340	4780	7000	4030	8.40
	lb					*25200	14330	18390	10540	15430	8880	(27.6)
0.0 m (0.0 ft)	kg					11360	6200	8130	4590	7180	4080	8.15
	lb					25040	13670	17920	10120	15830	8990	(26.8)
-1.5 m (-4.9 ft)	kg		*15200	9080	11190	6060	8030	4500	7880	4430	7.60	
	lb		*33510	20020	24670	13360	17700	9920	17370	9770	(24.9)	
-3.0 m (-9.8 ft)	kg	*17600	*17600	*13580	9130	*10280	6070		*8750	5310	6.66	
	lb	*38800	*38800	*29940	20130	*22660	13380		*19290	11710	(21.9)	
-4.5 m (-14.8 ft)	kg		*10000	9420					*8240	7880	5.12	
	lb		*22050	20770					*18170	17370	(16.8)	

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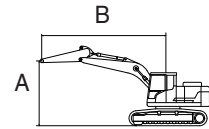
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A NL	MONO BOOM	6250	2500	5100	600	-	-	-	-	-

·  : 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)		Capacity		Reach	
													m (ft)	
7.5 m (24.6 ft)	kg							*7410	*7410			*6770	6630	6.74
	lb							*16340	*16340			*14930	14620	(22.1)
6.0 m (19.7 ft)	kg							*7780	*7780	*7410	5480	*6440	5170	7.74
	lb							*17150	*17150	*16340	12080	*14200	11400	(25.4)
4.5 m (14.8 ft)	kg					*11180	*11180	*8810	7550	*7740	5330	*6420	4420	8.34
	lb					*24650	*24650	*19420	16640	*17060	11750	*14150	9740	(27.4)
3.0 m (9.8 ft)	kg					*14020	10410	*10080	7020	*8330	5070	*6640	4020	8.64
	lb					*30910	22950	*22220	15480	*18360	11180	*14640	8860	(28.3)
1.5 m (4.9 ft)	kg							*11150	6540	8370	4800	6680	3840	8.67
	lb							*24580	14420	18450	10580	14730	8470	(28.4)
0.0 m (0.0 ft)	kg					*16030	9160	11370	6210	8120	4580	6830	3880	8.43
	lb					*35340	20190	25070	13690	17900	10100	15060	8550	(27.6)
-1.5 m (-4.9 ft)	kg		*11140	*11140	*15490	9020	11160	6020	7980	4460	7410	4160	7.89	
	lb		*24560	*24560	*34150	19890	24600	13270	17590	9830	16340	9170	(25.9)	
-3.0 m (-9.8 ft)	kg		*19040	17680	*14130	9030	*10700	5990			*8730	4890	6.99	
	lb		*41980	38980	*31150	19910	*23590	13210			*19250	10780	(22.9)	
-4.5 m (-14.8 ft)	kg		*15060	*15060	*11270	9240					*8760	6870	5.55	
	lb		*33200	*33200	*24850	20370					*19310	15150	(18.2)	

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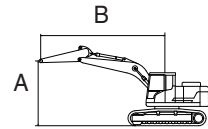
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300A NL	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	3750	5100	600	-	-	-	-	-



: 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)		
9.0 m (29.5 ft)	kg														*3820	*3820	6.87
	lb														*8420	*8420	(22.5)
7.5 m (24.6 ft)	kg							*5120	*5120						*3490	*3490	8.14
	lb							*11290	*11290						*7690	*7690	(26.7)
6.0 m (19.7 ft)	kg							*6010	5740						*3370	*3370	8.97
	lb							*13250	12650						*7430	*7430	(29.4)
4.5 m (14.8 ft)	kg						*7250	*7250	*6570	5520	*5230	4010	*3370	*3370	9.50		
	lb						*15980	*15980	*14480	12170	*11530	8840	*7430	*7430	(31.2)		
3.0 m (9.8 ft)	kg			*11450	11250	*8680	7340	*7330	5210	*6440	3850	*3490	3300	9.76			
	lb			*25240	24800	*19140	16180	*16160	11490	*14200	8490	*7690	7280	(32.0)			
1.5 m (4.9 ft)	kg			*14020	10100	*10060	6760	*8110	4880	6370	3660	*3720	3160	9.79			
	lb			*30910	22270	*22180	14900	*17880	10760	14040	8070	*8200	6970	(32.1)			
0.0 m (0.0 ft)	kg			*6810	*6810	*15440	9350	*11060	6290	8160	4590	6170	3480	*4100	3150	9.58	
	lb			*15010	*15010	*34040	20610	*24380	13870	17990	10120	13600	7670	*9040	6940	(31.4)	
-1.5 m (-4.9 ft)	kg	*7060	*7060	*10560	*10560	*15790	8960	11140	5980	7920	4380	*5710	3360	*4750	3300	9.11	
	lb	*15560	*15560	*23280	*23280	*34810	19750	24560	13180	17460	9660	*12590	7410	*10470	7280	(29.9)	
-3.0 m (-9.8 ft)	kg	*11090	*11090	*15460	*15460	*15260	8800	10950	5820	7790	4270			*5900	3680	8.35	
	lb	*24450	*24450	*34080	*34080	*33640	19400	24140	12830	17170	9410			*13010	8110	(27.4)	
-4.5 m (-14.8 ft)	kg	*15980	*15980	*19530	17330	*13710	8840	*10210	5820					*7970	4550	7.19	
	lb	*35230	*35230	*43060	38210	*30230	19490	*22510	12830					*17570	10030	(23.6)	
-6.0 m (-19.7 ft)	kg			*14480	*14480	*10280	9120							*8200	7060	5.38	
	lb			*31920	*31920	*22660	20110							*18080	15560	(17.6)	

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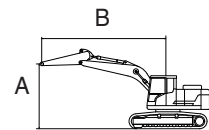
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






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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A NL	2-PIECE BOOM	6250	3050	7500	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach		
																m (ft)
10.5 m (34.4 ft)	kg													*7620	*7620	3.56
	lb													*16800	*16800	(11.7)
9.0 m (29.5 ft)	kg			*8810	*8810	*5960	*5960							*5620	*5620	6.06
	lb			*19420	*19420	*13140	*13140							*12390	*12390	(19.9)
7.5 m (24.6 ft)	kg			*8650	*8650	*8260	*8260							*4980	*4980	7.46
	lb			*19070	*19070	*18210	*18210							*10980	*10980	(24.5)
6.0 m (19.7 ft)	kg			*9620	*9620	*8570	*8570	*7080	6410					*4730	*4730	8.37
	lb			*21210	*21210	*18890	*18890	*15610	14130					*10430	*10430	(27.5)
4.5 m (14.8 ft)	kg			*13210	*13210	*9420	8750	*7380	6230					*4690	4690	8.93
	lb			*29120	*29120	*20770	19290	*16270	13730					*10340	10340	(29.3)
3.0 m (9.8 ft)	kg			*17280	12400	*10840	8260	*7900	5990	*6330	4540			*4800	4370	9.21
	lb			*38100	27340	*23900	18210	*17420	13210	*13960	10010			*10580	9630	(30.2)
1.5 m (4.9 ft)	kg			*18620	11600	*12630	7830	*8530	5760	*6550	4440			*5080	4270	9.24
	lb			*41050	25570	*27840	17260	*18810	12700	*14440	9790			*11200	9410	(30.3)
0.0 m (0.0 ft)	kg			*18240	11270	13410	7570	*9100	5600	*5760	4380			*5580	4370	9.01
	lb			*40210	24850	29560	16690	*20060	12350	*12700	9660			*12300	9630	(29.6)
-1.5 m (-4.9 ft)	kg	*12150	*12150	*16610	11230	*12770	7470	*9440	5540					*6440	4720	8.51
	lb	*26790	*26790	*36620	24760	*28150	16470	*20810	12210					*14200	10410	(27.9)
-3.0 m (-9.8 ft)	kg			*13800	11370	*10810	7540	*7800	5640					*7270	5480	7.69
	lb			*30420	25070	*23830	16620	*17200	12430					*16030	12080	(25.2)

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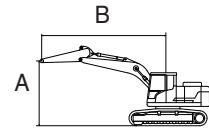
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A NL	2-PIECE BOOM	6250	2100	7500	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)	
9.0 m (29.5 ft)	kg			*12080	*12080					*11730	*11730	4.73
	lb			*26630	*26630					*25860	*25860	(15.5)
7.5 m (24.6 ft)	kg			*11420	*11420	*9410	9060			*9160	7990	6.44
	lb			*25180	*25180	*20750	19970			*20190	17610	(21.1)
6.0 m (19.7 ft)	kg			*12590	*12590	*9580	8920			*8070	6250	7.48
	lb			*27760	*27760	*21120	19670			*17790	13780	(24.5)
4.5 m (14.8 ft)	kg					*10540	8550	*8110	6140	*7600	5430	8.10
	lb					*23240	18850	*17880	13540	*16760	11970	(26.6)
3.0 m (9.8 ft)	kg					*12130	8110	*8570	5960	*7490	5030	8.41
	lb					*26740	17880	*18890	13140	*16510	11090	(27.6)
1.5 m (4.9 ft)	kg					13650	7790	*9120	5790	*7680	4930	8.44
	lb					30090	17170	*20110	12760	*16930	10870	(27.7)
0.0 m (0.0 ft)	kg					*13360	7630	*9540	5700	*8210	5100	8.19
	lb					*29450	16820	*21030	12570	*18100	11240	(26.9)
-1.5 m (-4.9 ft)	kg			*14640	11510	*11860	7640	*8700	5740	*8210	5630	7.64
	lb			*32280	25380	*26150	16840	*19180	12650	*18100	12410	(25.1)
-3.0 m (-9.8 ft)	kg					*8800	7820					
	lb					*19400	17240					

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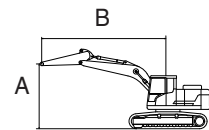
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



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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A NL	2-PIECE BOOM	6250	2500	7500	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
												
9.0 m (29.5 ft)	kg			*9920	*9920					*8890	*8890	5.23
	lb			*21870	*21870					*19600	*19600	(17.1)
7.5 m (24.6 ft)	kg			*9860	*9860	*8870	*8870			*7710	7410	6.81
	lb			*21740	*21740	*19550	*19550			*17000	16340	(22.4)
6.0 m (19.7 ft)	kg	*12360	*12360	*11330	*11330	*9140	9020	*7560	6320	*7280	5900	7.80
	lb	*27250	*27250	*24980	*24980	*20150	19890	*16670	13930	*16050	13010	(25.6)
4.5 m (14.8 ft)	kg			*14830	13180	*10060	8630	*7790	6180	*7000	5160	8.40
	lb			*32690	29060	*22180	19030	*17170	13620	*15430	11380	(27.5)
3.0 m (9.8 ft)	kg					*11580	8170	*8290	5970	*6930	4790	8.70
	lb					*25530	18010	*18280	13160	*15280	10560	(28.5)
1.5 m (4.9 ft)	kg					*13370	7800	*8880	5770	*7120	4680	8.72
	lb					*29480	17200	*19580	12720	*15700	10320	(28.6)
0.0 m (0.0 ft)	kg			*17650	11330	13440	7600	*9370	5650	*7410	4820	8.48
	lb			*38910	24980	29630	16760	*20660	12460	*16340	10630	(27.8)
-1.5 m (-4.9 ft)	kg			*15580	11370	*12300	7560	*9390	5640	*8330	5260	7.95
	lb			*34350	25070	*27120	16670	*20700	12430	*18360	11600	(26.1)
-3.0 m (-9.8 ft)	kg			*12320	11580	*9780	7690			*7330	6260	7.06
	lb			*27160	25530	*21560	16950			*16160	13800	(23.2)

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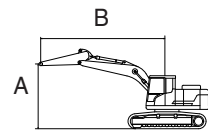
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A HW	MONO BOOM	6250	3050	5100	700	-	-	-	-	-



: 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)		Capacity	Reach		
															m (ft)	
9.0 m (29.5 ft)	kg													*4760	*4760	6.34
	lb													*10490	*10490	(20.8)
7.5 m (24.6 ft)	kg							*5020	*5020					*4340	*4340	7.63
	lb							*11070	*11070					*9570	*9570	(25.0)
6.0 m (19.7 ft)	kg					*7270	*7270	*6830	*6830					*4190	*4190	8.45
	lb					*16030	*16030	*15060	*15060					*9240	*9240	(27.7)
4.5 m (14.8 ft)	kg				*10660	*10660	*8440	*8440	*7360	7200				*4220	*4220	8.95
	lb				*23500	*23500	*18610	*18610	*16230	15870				*9300	*9300	(29.4)
3.0 m (9.8 ft)	kg				*13500	*13500	*9790	9600	*8060	6900	*5770	5180	*4390	*4390	9.17	
	lb				*29760	*29760	*21580	21160	*17770	15210	*12720	11420	*9680	*9680	(30.1)	
1.5 m (4.9 ft)	kg				*15350	13710	*10930	9070	*8700	6600	*6090	5020	*4730	*4730	9.14	
	lb				*33840	30230	*24100	20000	*19180	14550	*13430	11070	*10430	*10430	(30.1)	
0.0 m (0.0 ft)	kg			*6560	*6560	*15930	13200	*11550	8690	*9090	6360		*5310	5010	8.86	
	lb			*14460	*14460	*35120	29100	*25460	19160	*20040	14020		*11710	11050	(29.1)	
-1.5 m (-4.9 ft)	kg	*8890	*8890	*12490	*12490	*15580	12990	*11570	8480	8970	6210		*6340	5410	8.29	
	lb	*19600	*19600	*27540	*27540	*34350	28640	*25510	18700	19780	13690		*13980	11930	(27.2)	
-3.0 m (-9.8 ft)	kg	*14430	*14430	*19790	*19790	*14370	12970	*10800	8420				*8270	6350	7.36	
	lb	*31810	*31810	*43630	*43630	*31680	28590	*23810	18560				*18230	14000	(24.2)	
-4.5 m (-14.8 ft)	kg			*16130	*16130	*11760	*11760						*8460	*8460	5.93	
	lb			*35560	*35560	*25930	*25930						*18650	*18650	(19.4)	

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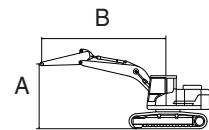
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




Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A HW	MONO BOOM	6250	2100	5100	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					*8010	*8010			*8140	*8140	6.68
	lb					*17660	*17660			*17950	*17950	(21.9)
6.0 m (19.7 ft)	kg					*8460	*8460	*7940	7220	*7970	7030	7.61
	lb					*18650	*18650	*17500	15920	*17570	15500	(25.0)
4.5 m (14.8 ft)	kg					*9540	*9540	*8210	7070	*7990	6140	8.16
	lb					*21030	*21030	*18100	15590	*17610	13540	(26.8)
3.0 m (9.8 ft)	kg					*10730	9400	*8740	6820	8030	5710	8.41
	lb					*23660	20720	*19270	15040	17700	12590	(27.6)
1.5 m (4.9 ft)	kg					*11570	8960	*9180	6570	7910	5590	8.37
	lb					*25510	19750	*20240	14480	17440	12320	(27.5)
0.0 m (0.0 ft)	kg					*11810	8690	9150	6390	8240	5780	8.06
	lb					*26040	19160	20170	14090	18170	12740	(26.4)
-1.5 m (-4.9 ft)	kg			*14920	13130	*11370	8570			*8700	6420	7.42
	lb			*32890	28950	*25070	18890			*19180	14150	(24.4)
-3.0 m (-9.8 ft)	kg	*16890	*16890	*13020	*13020	*9720	8630			*8730	7970	6.38
	lb	*37240	*37240	*28700	*28700	*21430	19030			*19250	17570	(20.9)
-4.5 m (-14.8 ft)	kg											
	lb											

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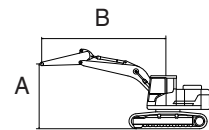
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A HW	MONO BOOM	6250	2500	5100	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)		Capacity		Reach	
													m (ft)	
7.5 m (24.6 ft)	kg							*7410	*7410			*6650	*6650	7.01
	lb							*16340	*16340			*14660	*14660	(23.0)
6.0 m (19.7 ft)	kg							*7970	*7970	*7440	7330	*6410	*6410	7.90
	lb							*17570	*17570	*16400	16160	*14130	*14130	(25.9)
4.5 m (14.8 ft)	kg					*11840	*11840	*9090	*9090	*7860	7130	*6450	5880	8.43
	lb					*26100	*26100	*20040	*20040	*17330	15720	*14220	12960	(27.7)
3.0 m (9.8 ft)	kg							*10360	9480	*8470	6850	*6730	5470	8.67
	lb							*22840	20900	*18670	15100	*14840	12060	(28.4)
1.5 m (4.9 ft)	kg					*13230	*13230	*11320	9000	*9000	6580	*7290	5340	8.64
	lb					*29170	*29170	*24960	19840	*19840	14510	*16070	11770	(28.3)
0.0 m (0.0 ft)	kg					*15970	13170	*11740	8680	9140	6370	7830	5500	8.33
	lb					*35210	29030	*25880	19140	20150	14040	17260	12130	(27.3)
-1.5 m (-4.9 ft)	kg		*13230	*13230	*15270	13050	*11490	8520	*8890	6270	*8520	6030	7.72	
	lb		*29170	*29170	*33660	28770	*25330	18780	*19600	13820	*18780	13290	(25.3)	
-3.0 m (-9.8 ft)	kg		*18360	*18360	*13660	13110	*10300	8530			*8780	7310	6.72	
	lb		*40480	*40480	*30120	28900	*22710	18810			*19360	16120	(22.1)	
-4.5 m (-14.8 ft)	kg				*10160	*10160					*8640	*8640	5.10	
	lb				*22400	*22400					*19050	*19050	(16.7)	

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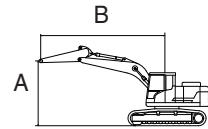
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A HW	MONO BOOM	6250	3750	5100	700	-	-	-	-	-



: 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)		Capacity		Reach	
															m (ft)	
9.0 m (29.5 ft)	kg													*3720	*3720	7.21
	lb													*8200	*8200	(23.6)
7.5 m (24.6 ft)	kg							*5440	*5440					*3450	*3450	8.36
	lb							*11990	*11990					*7610	*7610	(27.4)
6.0 m (19.7 ft)	kg							*6110	*6110	*3880	*3880	*3360	*3360	9.12		
	lb							*13470	*13470	*8550	*8550	*7410	*7410	(29.9)		
4.5 m (14.8 ft)	kg						*7560	*7560	*6730	*6730	*5530	5420	*3390	*3390	9.58	
	lb						*16670	*16670	*14840	*14840	*12190	11950	*7470	*7470	(31.4)	
3.0 m (9.8 ft)	kg				*12100	*12100	*9010	*9010	*7510	6990	*6690	5250	*3530	*3530	9.79	
	lb				*26680	*26680	*19860	*19860	*16560	15410	*14750	11570	*7780	*7780	(32.1)	
1.5 m (4.9 ft)	kg				*14450	14030	*10330	9200	*8270	6660	*7090	5050	*3790	*3790	9.76	
	lb				*31860	30930	*22770	20280	*18230	14680	*15630	11130	*8360	*8360	(32.0)	
0.0 m (0.0 ft)	kg			*7580	*7580	*15600	13320	*11210	8750	*8820	6370	6960	4880	*4220	*4220	9.49
	lb			*16710	*16710	*34390	29370	*24710	19290	*19440	14040	15340	10760	*9300	*9300	(31.1)
-1.5 m (-4.9 ft)	kg	*7940	*7940	*11560	*11560	*15740	12960	*11530	8460	8930	6170			*4950	4790	8.96
	lb	*17500	*17500	*25490	*25490	*34700	28570	*25420	18650	19690	13600			*10910	10560	(29.4)
-3.0 m (-9.8 ft)	kg	*12090	*12090	*16810	*16810	*15010	12840	*11160	8330	*8620	6080			*6300	5460	8.12
	lb	*26650	*26650	*37060	*37060	*33090	28310	*24600	18360	*19000	13400			*13890	12040	(26.6)
-4.5 m (-14.8 ft)	kg	*17320	*17320	*18640	*18640	*13160	12930	*9740	8370					*8050	6970	6.85
	lb	*38180	*38180	*41090	*41090	*29010	28510	*21470	18450					*17750	15370	(22.5)
-6.0 m (-19.7 ft)	kg					*8890	*8890							*8130	*8130	4.80
	lb					*19600	*19600							*17920	*17920	(15.8)

Note 1. Lifting capacity are based on ISO 10567.

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

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 possible personal injury or property damage.

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

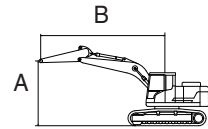
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A HW	MONO BOOM	6250	3750	7500	700	-	-	-	-	-



: 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)		Capacity	Reach			
															m (ft)		
9.0 m (29.5 ft)	kg														*3720	*3720	7.21
	lb														*8200	*8200	(23.6)
7.5 m (24.6 ft)	kg								*5440	*5440					*3450	*3450	8.36
	lb								*11990	*11990					*7610	*7610	(27.4)
6.0 m (19.7 ft)	kg								*6110	*6110	*3880	*3880	*3360	*3360	9.12		
	lb								*13470	*13470	*8550	*8550	*7410	*7410	(29.9)		
4.5 m (14.8 ft)	kg							*7560	*7560	*6730	*6730	*5530	*5530	*3390	*3390	9.58	
	lb							*16670	*16670	*14840	*14840	*12190	*12190	*7470	*7470	(31.4)	
3.0 m (9.8 ft)	kg				*12100	*12100	*9010	*9010	*7510	*7510	*6690	6290	*3530	*3530	9.79		
	lb				*26680	*26680	*19860	*19860	*16560	*16560	*14750	13870	*7780	*7780	(32.1)		
1.5 m (4.9 ft)	kg				*14450	*14450	*10330	*10330	*8270	7970	*7090	6100	*3790	*3790	9.76		
	lb				*31860	*31860	*22770	*22770	*18230	17570	*15630	13450	*8360	*8360	(32.0)		
0.0 m (0.0 ft)	kg			*7580	*7580	*15600	*15600	*11210	10490	*8820	7680	*7350	5930	*4220	*4220	9.49	
	lb			*16710	*16710	*34390	*34390	*24710	23130	*19440	16930	*16200	13070	*9300	*9300	(31.1)	
-1.5 m (-4.9 ft)	kg	*7940	*7940	*11560	*11560	*15740	15590	*11530	10200	*9020	7480			*4950	*4950	8.96	
	lb	*17500	*17500	*25490	*25490	*34700	34370	*25420	22490	*19890	16490			*10910	*10910	(29.4)	
-3.0 m (-9.8 ft)	kg	*12090	*12090	*16810	*16810	*15010	*15010	*11160	10070	*8620	7390			*6300	*6300	8.12	
	lb	*26650	*26650	*37060	*37060	*33090	*33090	*24600	22200	*19000	16290			*13890	*13890	(26.6)	
-4.5 m (-14.8 ft)	kg	*17320	*17320	*18640	*18640	*13160	*13160	*9740	*9740					*8050	*8050	6.85	
	lb	*38180	*38180	*41090	*41090	*29010	*29010	*21470	*21470					*17750	*17750	(22.5)	
-6.0 m (-19.7 ft)	kg					*8890	*8890							*8130	*8130	4.80	
	lb					*19600	*19600							*17920	*17920	(15.8)	

- Note 1. Lifting capacity are based on ISO 10567.  
2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.  
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).  
4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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

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Failure to comply to the rated load can cause possible personal injury or property damage.

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

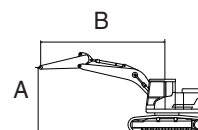
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300A LR	LONG REACH	10200	7850	7000	800	-	-	-	-	-



: 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		
	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	kg	lb	m (ft)	
12.0 m 39.4 ft																		*1060	*1060					*750	*750	14.12
																		*2340	*2340					*1650	*1650	(46.3)
10.5 m 34.4 ft																		*1360	*1360	*770	*770			*720	*720	15.07
																		*3000	*3000	*1700	*1700			*1590	*1590	(49.5)
9.0 m 29.5 ft																		*1540	*1540	*1150	*1150			*700	*700	15.83
																		*3400	*3400	*2540	*2540			*1540	*1540	(51.9)
7.5 m 24.6 ft																		*1710	*1710	*1400	*1400			*700	*700	16.41
																		*3770	*3770	*3090	*3090			*1540	*1540	(53.8)
6.0 m 19.7 ft																		*2070	*2070	*1910	*1910	*1600	*1600	*960	*960	16.83
																		*4560	*4560	*4210	*4210	*3530	*3530	*2120	*2120	(55.2)
4.5 m 14.8 ft																		*2620	*2620	*2430	*2430	*2170	*2170	*1810	*1810	17.12
																		*5780	*5780	*5360	*5360	*4780	*4780	*3990	*3990	(56.2)
3.0 m 9.8 ft																										17.26
																										(56.6)
1.5 m 4.9 ft																										17.28
																										(56.7)
0.0 m 0.0 ft																										17.16
																										(56.3)
-1.5 m -4.9 ft																										16.90
																										(55.5)
-3.0 m -9.8 ft																										16.51
																										(54.2)
-4.5 m -14.8 ft																										15.96
																										(52.4)
-6.0 m -19.7 ft																										15.25
																										(50.0)
-7.5 m -24.6 ft																										14.34
																										(47.0)
-9.0 m -29.5 ft																										13.20
																										(43.3)
-10.5 m -34.4 ft																										11.75
																										(38.6)
-12.0 m -39.4 ft																										9.86
																										(32.4)
-13.5 m -44.3 ft																										

- Note 1. Lifting capacity are based on ISO 10567.  
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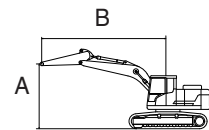
Make adjustments to the rated load as necessary for non-standard configurations.

















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
		6250	2850	5100	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													*5060	*5060	7.14
	lb													*11160	*11160	(23.4)
6.0 m (19.7 ft)	kg					*7300	*7300	*6950	6020					*4840	*4840	8.08
	lb					*16090	*16090	*15320	13270					*10670	*10670	(26.5)
4.5 m (14.8 ft)	kg					*10390	*10390	*8350	8310	*7370	5830			*4830	4530	8.66
	lb					*22910	*22910	*18410	18320	*16250	12850			*10650	9990	(28.4)
3.0 m (9.8 ft)	kg					*13240	11720	*9660	7750	*8010	5550			*5000	4140	8.95
	lb					*29190	25840	*21300	17090	*17660	12240			*11020	9130	(29.4)
1.5 m (4.9 ft)	kg					*15240	10720	*10820	7220	8380	5250			*5350	3970	8.98
	lb					*33600	23630	*23850	15920	18470	11570			*11790	8750	(29.5)
0.0 m (0.0 ft)	kg					*15880	10210	11380	6830	8110	5010			*5970	4000	8.75
	lb					*35010	22510	25090	15060	17880	11050			*13160	8820	(28.7)
-1.5 m (-4.9 ft)	kg			*11320	*11320	*15590	9990	11120	6610	7940	4860			6930	4270	8.23
	lb			*24960	*24960	*34370	22020	24520	14570	17500	10710			15280	9410	(27.0)
-3.0 m (-9.8 ft)	kg	*13940	*13940	*19020	*19020	*14460	9970	*10890	6540					8110	4940	7.38
	lb	*30730	*30730	*41930	*41930	*31880	21980	*24010	14420					17880	10890	(24.2)
-4.5 m (-14.8 ft)	kg			*16410	*16410	*12060	10140	*8640	6690					*8570	6650	6.03
	lb			*36180	*36180	*26590	22350	*19050	14750					*18890	14660	(19.8)

Note 1. Lifting capacity are based on ISO 10567.

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

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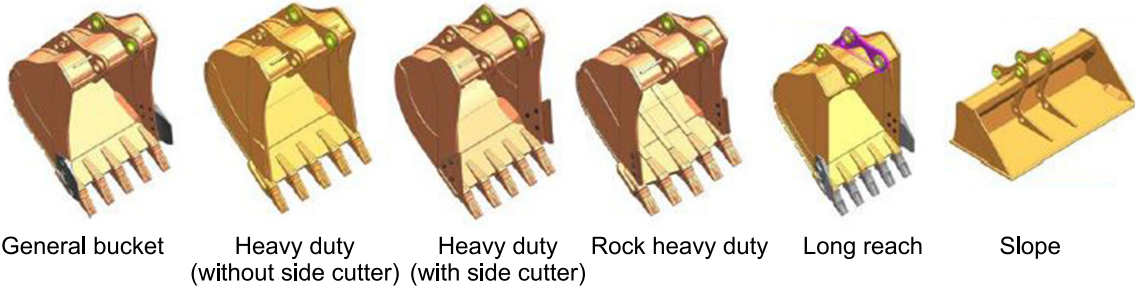
Failure to comply to the rated load can cause possible personal injury or property damage.

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



## 6. BUCKET SELECTION GUIDE

### 1) BUCKET SELECTION



Type	Capacity		Width		Weight kg (lb)	Tooth EA	MONO				2-PIECE			L/Reach 10.2 m (33' 6") Boom 7.85 m (29' 9") Arm
	SAE Heaped m <sup>3</sup> (yd <sup>3</sup> )	CECE heaped m <sup>3</sup> (yd <sup>3</sup> )	Without side cutter mm (in)	With side cutter mm (in)			Recommendation							
							6.25 m (20' 6") Boom							
							2.1 m (6' 11") Arm	2.5 m (8' 2") Arm	3.05 m (10' 0") Arm	3.75 m (12' 4") Arm	2.1 (6' 11") Arm	2.5 m (8' 2") Arm	3.05 m (10' 0") Arm	
General bucket	1.27 (1.66)	1.11 (1.45)	1,325 (52")	1,410 (56")	1,135 (2,500)	5	●	●	○	■	●	●	●	X
	1.50 (1.96)	1.30 (1.70)	1,515 (60")	1,600 (63")	1,225 (2,700)	5	○	○	■	▲	●	●	○	X
	1.73 (2.26)	1.51 (1.98)	1,605 (63")	1,690 (67")	1,310 (2,890)	6	■	■	▲	X	○	○	■	X
	1.85 (2.42)	1.61 (2.11)	1,700 (67")	1,780 (70")	1,355 (2,990)	6	■	▲	▲	X	○	○	■	X
Heavy duty	1.27 (1.66)	1.11 (1.45)	1,380 (54")	-	1,305 (2,880)	5	●	●	○	■	●	●	●	X
	1.46 (1.91)	1.28 (1.67)	1,535 (60")	-	1,395 (3,080)	5	○	○	■	▲	●	●	○	X
	1.28 (1.67)	1.12 (1.46)	1,230 (48")	1,300 (51")	1,285 (2,830)	5	●	●	○	■	●	●	●	X
Rock heavy duty	1.33 (1.74)	1.16 (1.52)	1,420 (56")	-	1,490 (3,280)	5	○	○	■	▲	●	●	●	X
	1.50 (1.96)	1.30 (1.70)	1,550 (61")	-	1,575 (3,470)	5	■	■	▲	▲	●	●	○	X
Long reach	0.52 (0.68)	0.45 (0.59)	945 (37")	1,020 (40")	470 (1,040)	5	X	X	X	X	X	X	X	■
Slope	0.55 (0.72)	0.45 (0.59)	1,800 (71")	-	590 (1,300)	-	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 your 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
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)] *1 350 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), *1 250 kgf/cm <sup>2</sup> (3560 psi)
	Bucket	400 kgf/cm <sup>2</sup> (5690 psi), *1 270 kgf/cm <sup>2</sup> (3840 psi)

[ ] : Power boost    \*1 : 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	∅140 × 1465 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Stroke	∅150 × 1765 mm
	Cushion	Extend and retract
Arm cylinder (2-piece boom)	Bore dia × Stroke	∅150×1765 mm
	Cushion	Extend and retract
Adjust cylinder (2-piece boom)	Bore dia × Stroke	∅170×1300 mm
	Cushion	X
Bucket cylinder	Bore dia × Stroke	∅135 × 1185 mm
	Cushion	Extend only
Bucket cylinder (Long reach)	Bore dia × Stroke	∅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)	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 HD Hyundai Construction Equipment dealers.