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SECTION 1 GENERAL

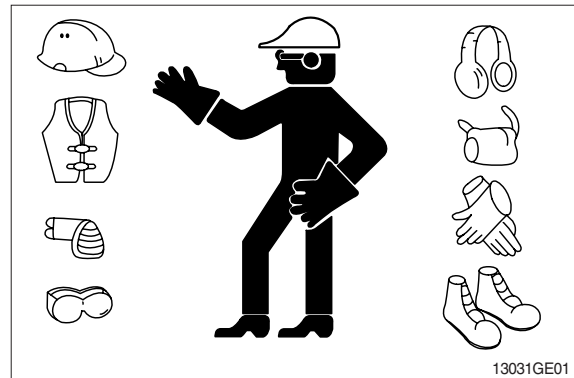
GROUP 1 SAFETY

FOLLOW SAFE PROCEDURE

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

WEAR PROTECTIVE CLOTHING

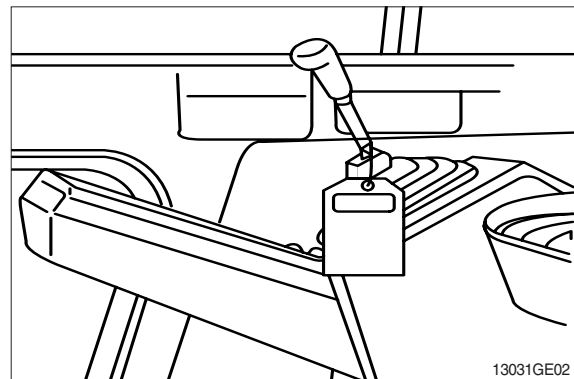
Wear close fitting clothing and safety equipment appropriate to the job.



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.



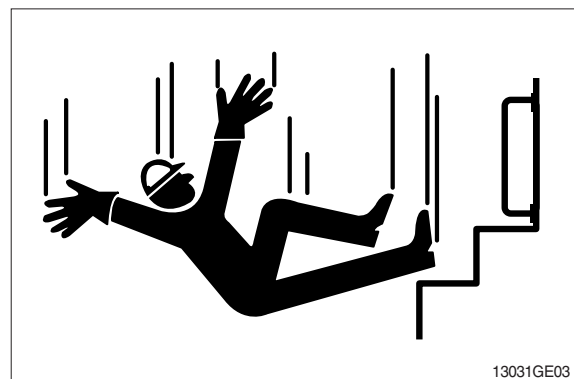
USE HANDHOLDS AND STEPS

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.

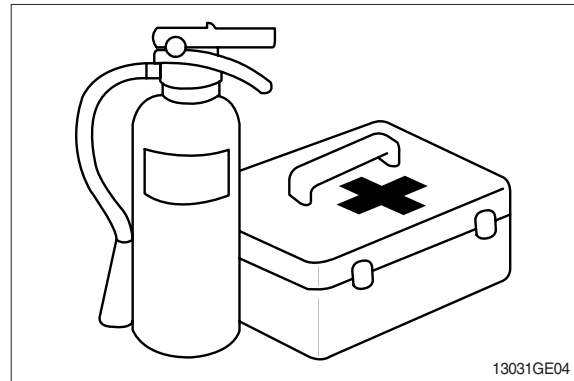


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

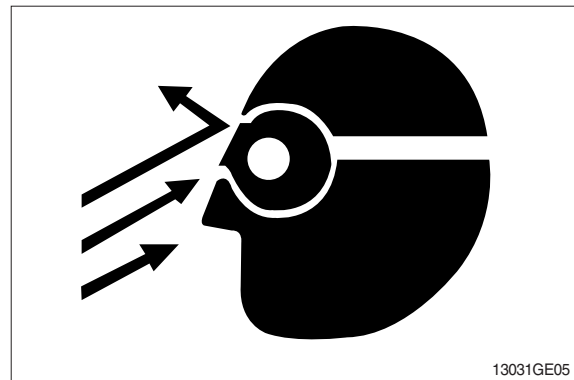
Keep a first aid kit and fire extinguisher handy.

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



PROTECT AGAINST FLYING DEBRIS

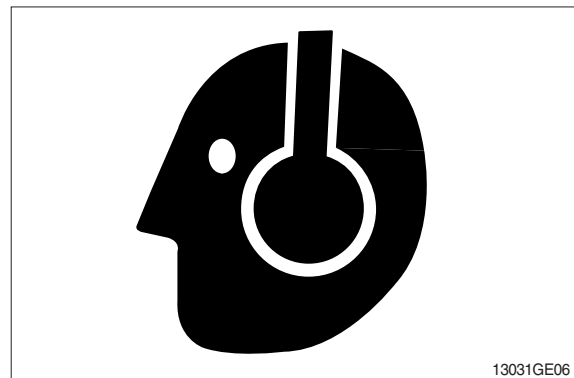
Guard against injury from flying pieces of metal or debris; Wear goggles or safety glasses.



PROTECT AGAINST NOISE

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

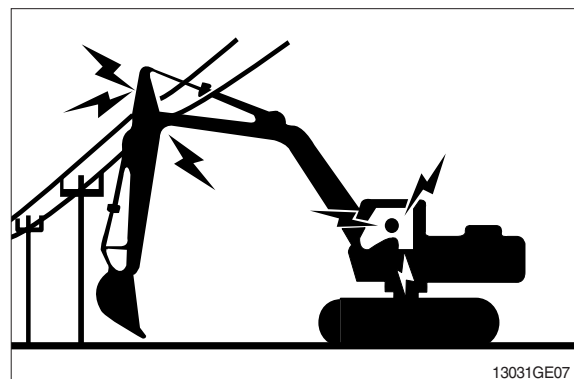
Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



AVOID POWER LINES

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

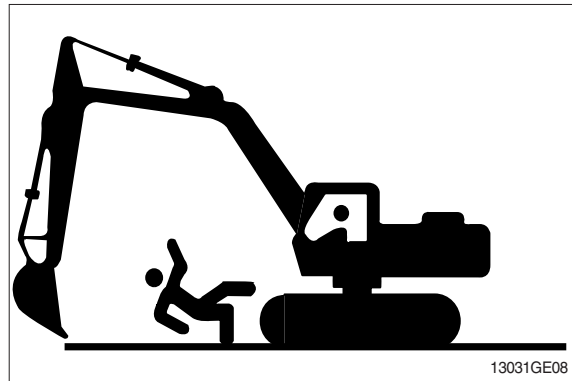
Never move any part of the machine or load closer to electric line than 3m(10ft) plus twice the line insulator length.



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.

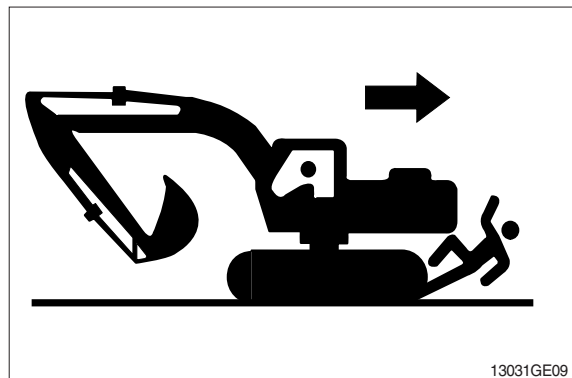


MOVE AND OPERATE MACHINE SAFELY

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:

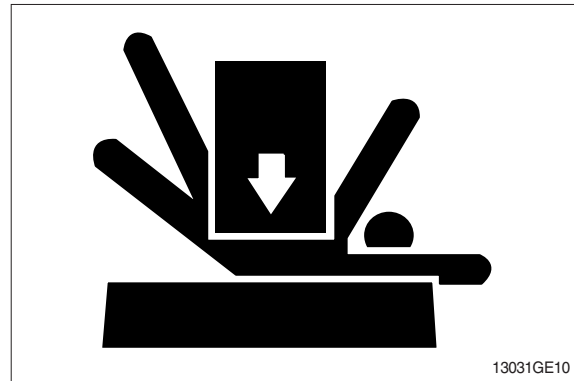
- Park machine on a level surface.
- Lower bucket to the ground.
- Turn auto idle switch off.
- Run engine at 1/2 speed without load for 2 minutes.
- Turn key switch to OFF to stop engine. Remove key from switch.
- Move pilot control shutoff lever to locked position.
- Allow engine to cool.

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.

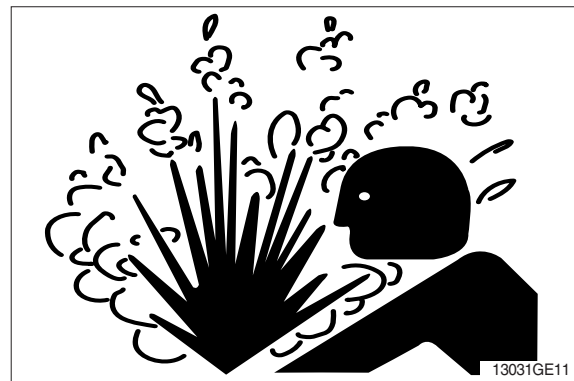
Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.



SERVICE COOLING SYSTEM SAFELY

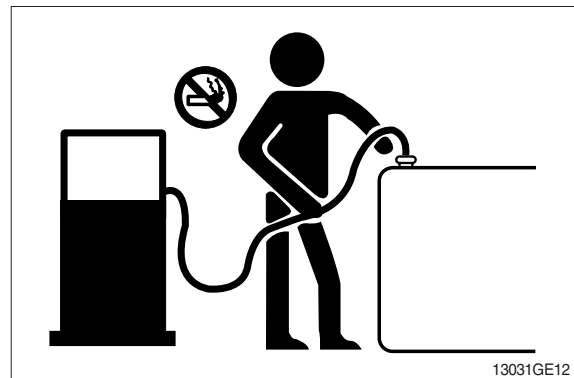
Explosive release of fluids from pressurized cooling system can cause serious burns.

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



HANDLE FLUIDS SAFELY-AVOID FIRES

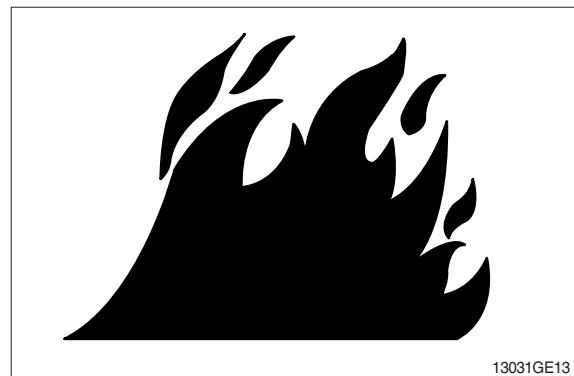
Handle fuel with care; It is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks. Always stop engine before refueling machine. Fill fuel tank outdoors.



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.

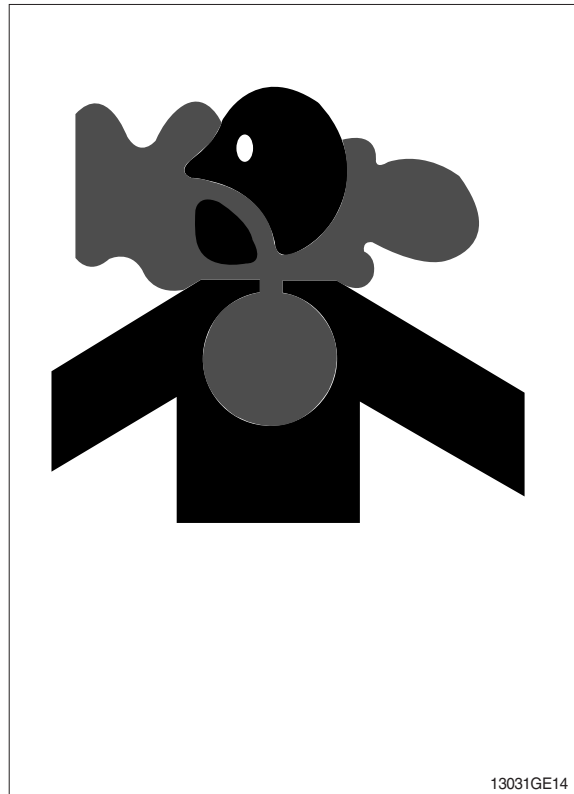
Do all work outside or in a well ventilated area. Dispose of paint and solvent properly.

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

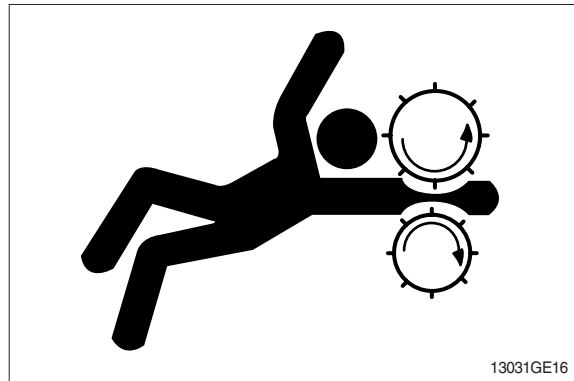
Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.



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.

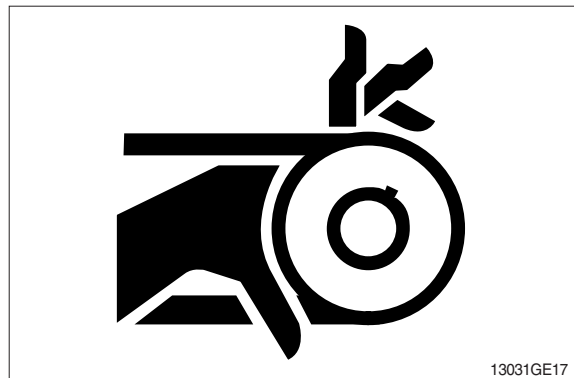
Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



STAY CLEAR OF MOVING PARTS

Entanglements in moving parts can cause serious injury.

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



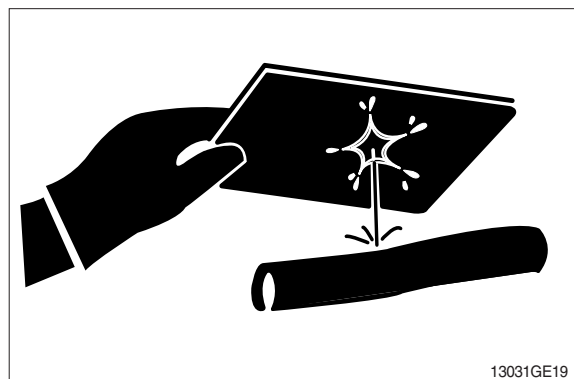
AVOID HIGH PRESSURE FLUIDS

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:

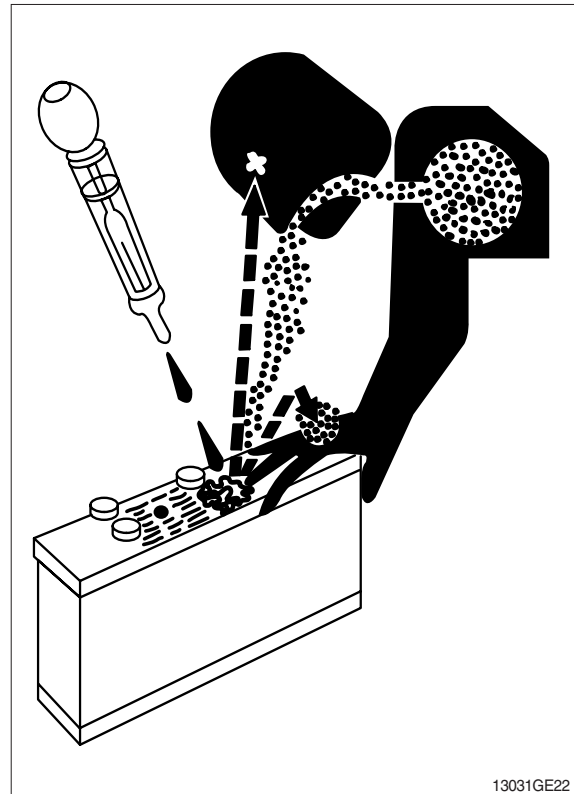
1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.
5. Use proper jump start procedure.

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.



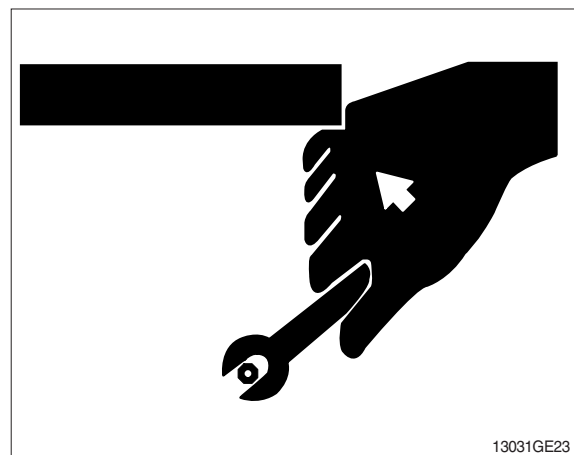
USE TOOLS PROPERLY

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 manual.)

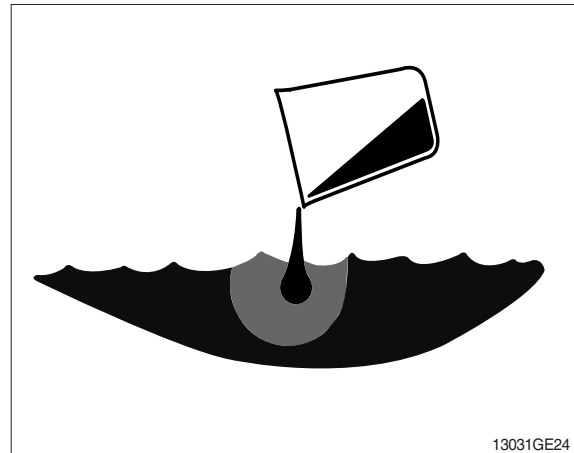


DISPOSE OF FLUIDS PROPERLY

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.

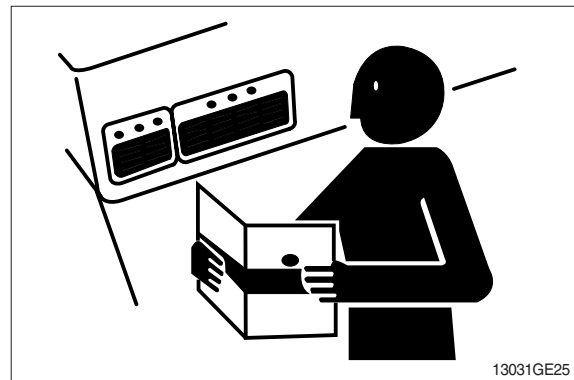
Use proper containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

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.

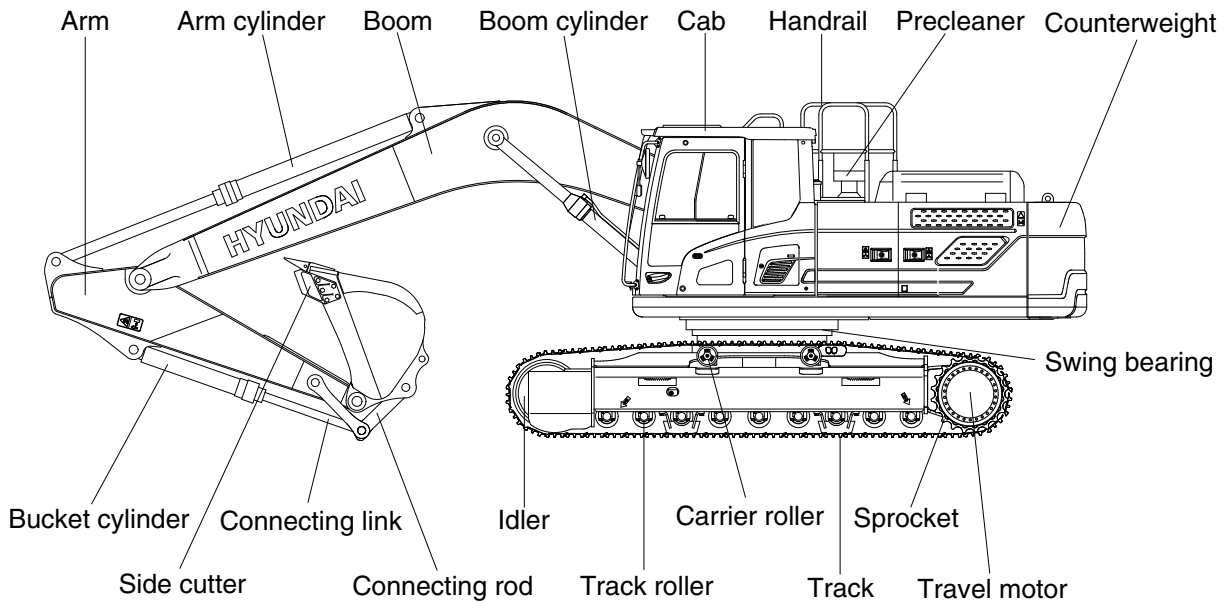
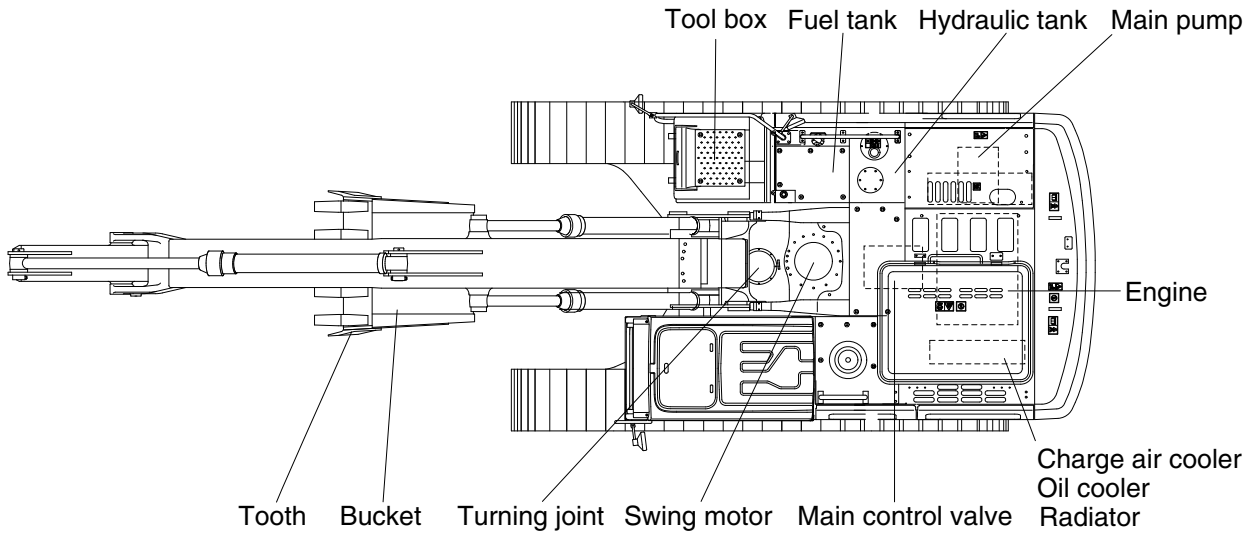


LIVE WITH SAFETY

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

GROUP 2 SPECIFICATIONS

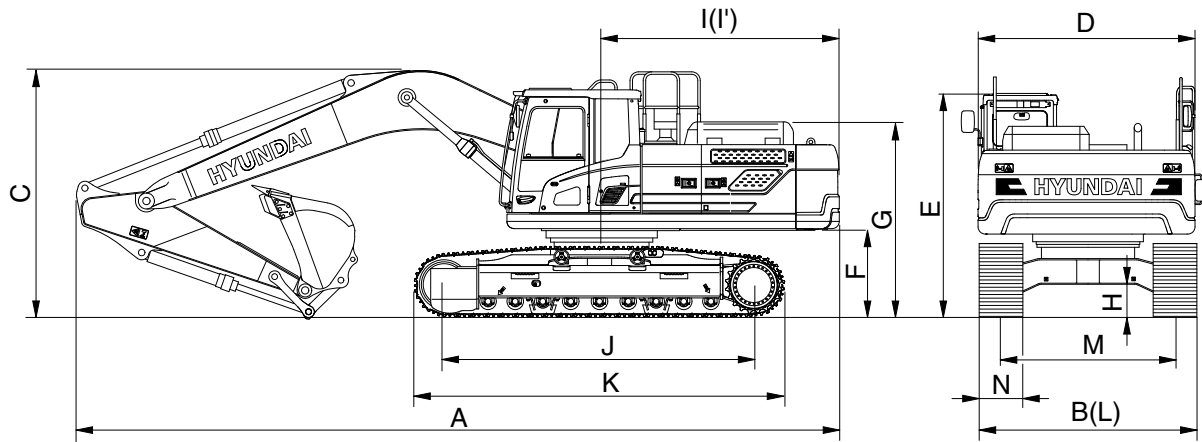
1. MAJOR COMPONENT



300SA2SP01

2. SPECIFICATIONS

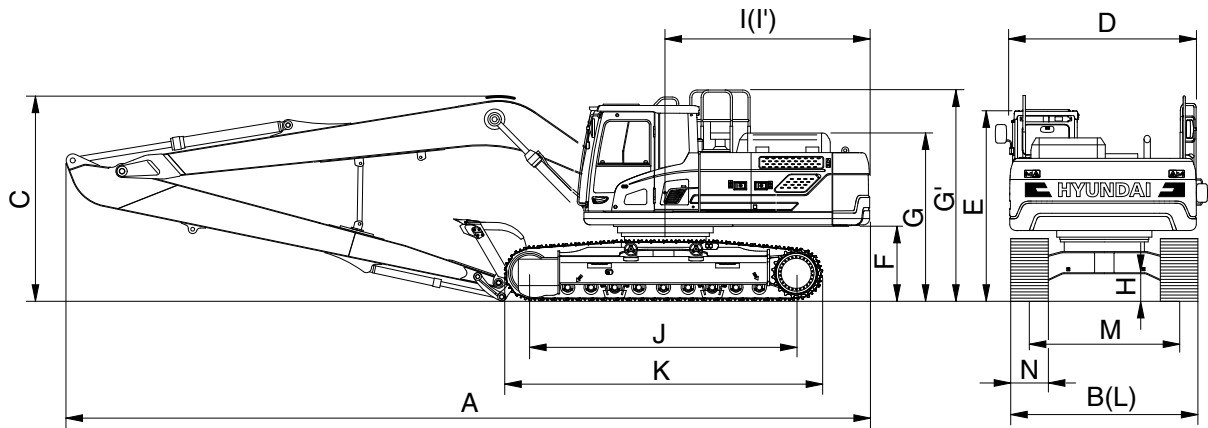
1) HX300LT3, MONO BOOM



300SA2SP02

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")	2.85 (9' 4")
mm (in)	Shoe	600 (24)					
Operating weight	kg (lb)	29980 (66090)	29780 (65650)	29860 (65830)	30110 (66380)	30010 (66160)	
Bucket capacity (SAE heaped), standard	m ³ (yd ³)	1.27 (1.66)	1.27 (1.66)	1.27 (1.66)	1.27 (1.66)	1.27 (1.66)	
Overall length	A	10745 (35' 3")	10895 (35' 9")	10845 (35' 7")	10815 (35' 6")	10785 (35' 5")	
Overall width	B	3200 (10' 6")	3200 (10' 6")	3200 (10' 6")	3200 (10' 6")	3200 (10' 6")	
Overall height of boom	C	3320 (10' 11")	3720 (12' 2")	3560 (11' 8")	3570 (11' 9")	3390 (11' 1")	
Superstructure width	D	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	
Overall height of cab	E	3130 (10' 3")	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")	1185 (3' 11")	
Overall height of engine hood	G	2600 (8' 6")	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")	3335 (10' 11")	
Minimum ground clearance	H	500 (1' 8")	500 (1' 8")	500 (1' 8")	500 (1' 8")	500 (1' 8")	
Rear-end distance	I	3265 (10' 9")	3265 (10' 9")	3265 (10' 9")	3265 (10' 9")	3265 (10' 9")	
Rear-end swing radius	I'	3345 (11' 0")	3345 (11' 0")	3345 (11' 0")	3345 (11' 0")	3345 (11' 0")	
Distance between tumblers	J	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	
Undercarriage length	K	4885 (16' 0")	4885 (16' 0")	4885 (16' 0")	4885 (16' 0")	4885 (16' 0")	
Undercarriage width	L	3200 (10' 6")	3200 (10' 6")	3200 (10' 6")	3200 (10' 6")	3200 (10' 6")	
Track gauge	M	2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	
Track shoe width, standard	N	600 (24")	600 (24")	600 (24")	600 (24")	600 (24")	
Travel speed (low/high)	km/hr (mph)	3.3(2.05) 5.94(3.69)	3.3(2.05) 5.94(3.69)	3.3(2.05) 5.94(3.69)	3.3(2.05) 5.94(3.69)	3.3(2.05) 5.94(3.69)	
Swing speed	rpm	11.56	11.56	11.56	11.56	11.56	
Gradeability	Degree (%)	35 (70)	35 (70)	35 (70)	35 (70)	35 (70)	
Ground pressure	kgf/cm ² (psi)	0.58 (8.21)	0.57 (8.15)	0.57 (8.17)	0.58 (8.24)	0.58 (8.22)	
Max traction force	kg (lb)	27405 (60417)	27405 (60417)	27405 (60417)	27405 (60417)	27405 (60417)	

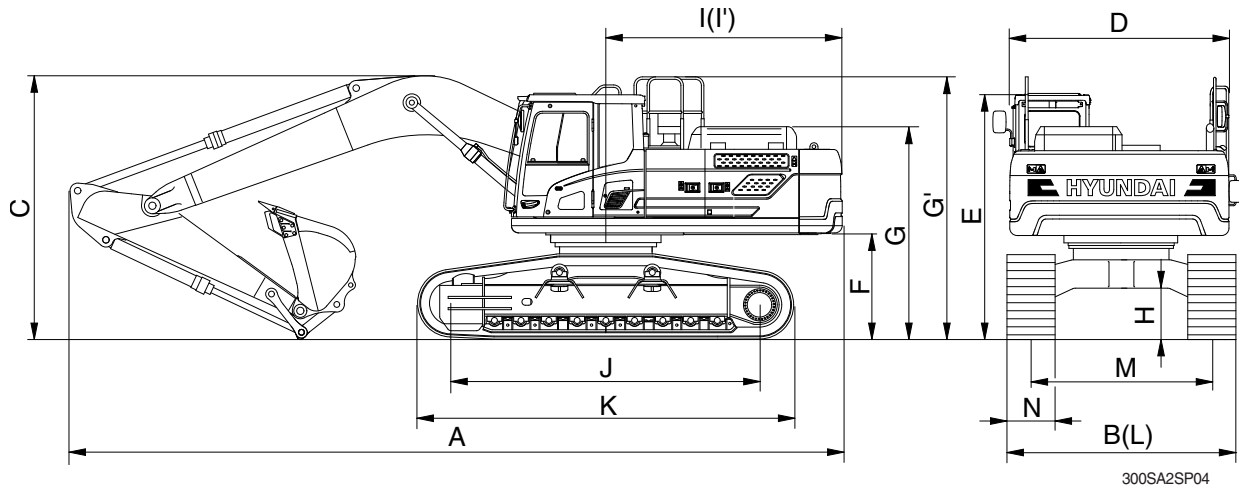
2) HX300LT3 LR



300A2SP03

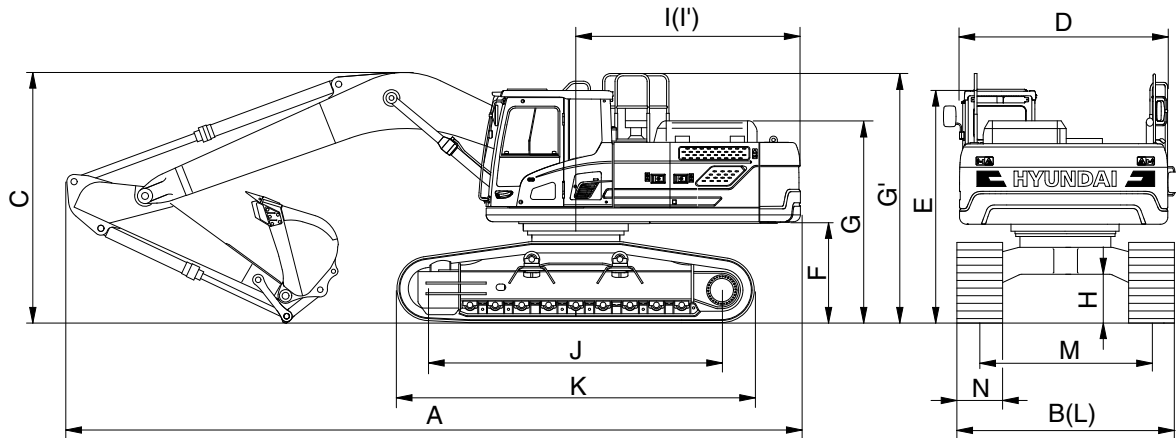
	Unit		Specification
	m (ft-in)	Boom	10.2 (33' 6")
		Arm	7.85 (25' 9")
mm (in)	Shoe	800 (32)	
Operating weight	kg (lb)		33130 (73040)
Bucket capacity (SAE heaped), standard	m ³ (yd ³)		0.52 0.68
Overall length	A	mm (ft-in)	14745 (48' 5")
Overall width	B		3400 (11' 2")
Overall height of boom	C		3560 (11' 8")
Superstructure width	D		2980 (9' 9")
Overall height of cab	E		3135 (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		3265 (10' 9")
Rear-end swing radius	I'		3345 (11' 0")
Distance between tumblers	J		4030 (13' 3")
Undercarriage length	K		4885 (16' 0")
Undercarriage width	L		3200 (10' 6")
Track gauge	M		2600 (8' 6")
Track shoe width, standard	N		800 (32")
Travel speed (low/high)	km/hr (mph)		3.3(2.05) 5.94(3.69)
Swing speed	rpm		11.56
Gradeability	Degree (%)		35 (70)
Ground pressure	kgf/cm ² (psi)		0.48 (6.80)
Max traction force	kg (lb)		27405 (60417)

3) HX300LT3 HW (1/2)



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")	2.85 (9' 4")
	mm (in)	Shoe	600 (24)				
Operating weight	kg (lb)	32890 (72510)	32690 (72070)	32770 (72250)	33020 (72800)	32910 (72550)	
Bucket capacity (SAE heaped), standard	m ³ (yd ³)	1.27 (1.66)	1.27 (1.66)	1.27 (1.66)	1.27 (1.66)	1.27 (1.66)	
Overall length	A	10595 (34' 9")	10875 (35' 8")	10785 (35' 5")	10675 (35' 0")	10655 (34' 11")	
Overall width	B	3470 (11' 5")	3470 (11' 5")	3470 (11' 5")	3470 (11' 5")	3470 (11' 5")	
Overall height of boom	C	3440 (11' 3")	3830 (12' 7")	3660 (12' 0")	3540 (11' 7")	3490 (11' 5")	
Superstructure width	D	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	
Overall height of cab	E	3435 (11' 3")	3435 (11' 3")	3435 (11' 3")	3435 (11' 3")	3435 (11' 3")	
Ground clearance of counterweight	F	1490 (4' 11")	1490 (4' 11")	1490 (4' 11")	1490 (4' 11")	1490 (4' 11")	
Overall height of engine hood	G	2910 (9' 7")	2910 (9' 7")	2910 (9' 7")	2910 (9' 7")	2910 (9' 7")	
Overall height of handrail	G'	3650 (12' 0")	3650 (12' 0")	3650 (12' 0")	3650 (12' 0")	3650 (12' 0")	
Minimum ground clearance	H	765 (2' 6")	765 (2' 6")	765 (2' 6")	765 (2' 6")	765 (2' 6")	
Rear-end distance	I	3265 (10' 9")	3265 (10' 9")	3265 (10' 9")	3265 (10' 9")	3265 (10' 9")	
Rear-end swing radius	I'	3345 (11' 0")	3345 (11' 0")	3345 (11' 0")	3345 (11' 0")	3345 (11' 0")	
Distance between tumblers	J	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	
Undercarriage length	K	4885 (16' 0")	4885 (16' 0")	4885 (16' 0")	4885 (16' 0")	4885 (16' 0")	
Undercarriage width	L	3470 (11' 5")	3470 (11' 5")	3470 (11' 5")	3470 (11' 5")	3470 (11' 5")	
Track gauge	M	2870 (9' 5")	2870 (9' 5")	2870 (9' 5")	2870 (9' 5")	2870 (9' 5")	
Track shoe width, standard	N	600 (24")	600 (24")	600 (24")	600 (24")	600 (24")	
Travel speed (low/high)	km/hr (mph)	3.3(2.05) 5.94(3.69)	3.3(2.05) 5.94(3.69)	3.3(2.05) 5.94(3.69)	3.3(2.05) 5.94(3.69)	3.3(2.05) 5.94(3.69)	
Swing speed	rpm	11.56	11.56	11.56	11.56	11.56	
Gradeability	Degree (%)	35 (70)	35 (70)	35 (70)	35 (70)	35 (70)	
Ground pressure	kgf/cm ² (psi)	0.63 (9.00)	0.63 (8.95)	0.63 (8.97)	0.64 (9.04)	0.63 (9.01)	
Max traction force	kg (lb)	27405 (60417)	27405 (60417)	27405 (60417)	27405 (60417)	27405 (60417)	

HX300LT3 HW (2/2)

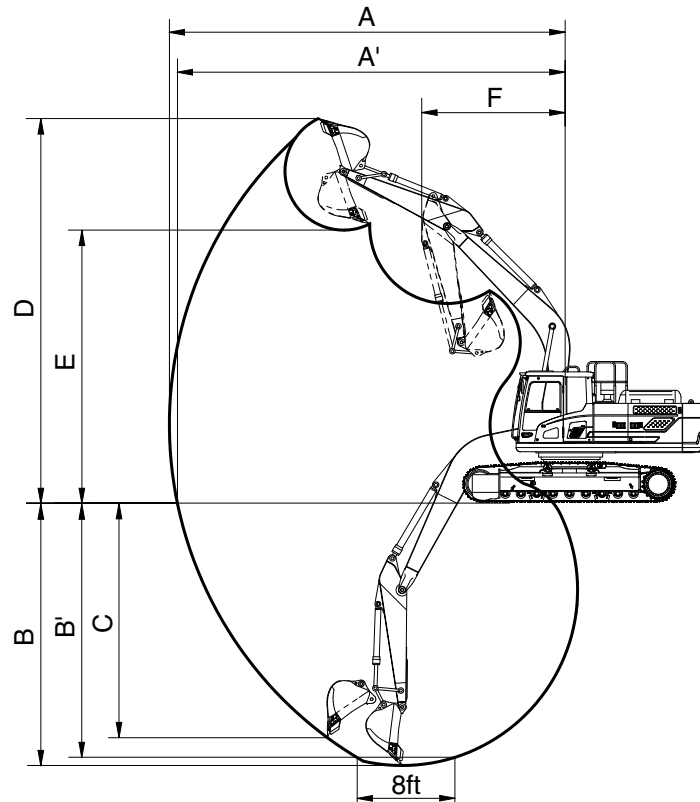


300SA2SP04

Description	Unit		Specification
	m (ft-in)	Boom	6.25 (20' 6")
		Arm	3.05 (10' 0")
mm (in)	Shoe	700 (28)	
Operating weight	kg (lb)		33450 (73740)
Bucket capacity (SAE heaped), standard	m ³ (yd ³)		1.27 1.66
Overall length	A	mm (ft-in)	10595 (34' 9")
Overall width	B		3570 (11' 9")
Overall height of boom	C		3440 (11' 3")
Superstructure width	D		2980 (9' 9")
Overall height of cab	E		3470 (11' 5")
Ground clearance of counterweight	F		1525 (5' 0")
Overall height of engine hood	G		2910 (9' 7")
Overall height of handrail	G'		3650 (12' 0")
Minimum ground clearance	H		800 (2' 7")
Rear-end distance	I		3265 (10' 9")
Rear-end swing radius	I'		3345 (11' 0")
Distance between tumblers	J		4030 (13' 3")
Undercarriage length	K		4911 (16' 1")
Undercarriage width	L		3570 (11' 9")
Track gauge	M		2870 (9' 5")
Track shoe width, standard	N		700 (28")
Travel speed (low/high)	km/hr (mph)		3.3(2.05) 5.94(3.69)
Swing speed	rpm		11.56
Gradeability	Degree (%)		35 (70)
Ground pressure	kgf/cm ² (psi)		0.55 (7.83)
Max traction force	kg (lb)		27405 (60417)

3. WORKING RANGE

1) HX300LT3, MONO BOOM

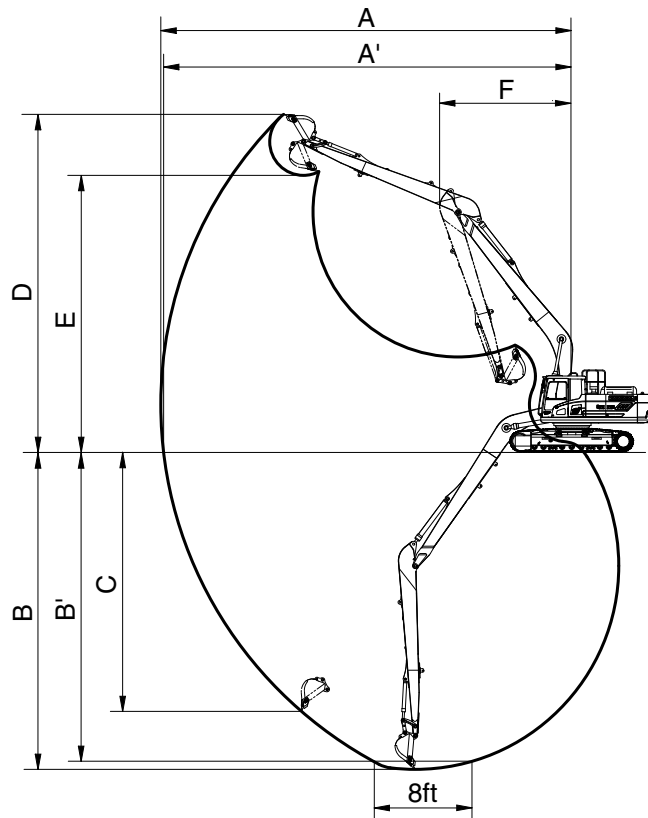


300SA2SP10

Description	m (ft-in)	Boom	6.25 (20' 6")				
		Arm	3.05 (10' 0")	2.10 (6' 11")	2.5 (8' 2")	3.75 (12' 4")	2.85 (9' 4")
Max digging reach	mm (ft-in)	A	10810 (35' 6")	10040 (32' 11")	10310 (33' 10")	11420 (37' 6")	10620 (34' 10")
Max digging reach on ground		A'	10610 (34' 10")	9820 (32' 3")	10100 (33' 2")	11230 (36' 10")	10410 (34' 2")
Max digging depth		B	7330 (24' 1")	6380 (20' 11")	6780 (22' 3")	8030 (26' 4")	7130 (23' 5")
Max digging depth (8 ft level)		B'	7170 (23' 6")	6180 (20' 3")	6600 (21' 8")	7890 (25' 11")	6960 (22' 10")
Max vertical wall digging depth		C	6280 (20' 7")	5910 (19' 5")	5760 (18' 11")	6990 (22' 11")	6030 (19' 9")
Max digging height		D	10200 (33' 6")	10130 (33' 3")	9980 (32' 9")	10410 (34' 2")	10090 (33' 1")
Max dumping height		E	7150 (23' 5")	6990 (22' 11")	6930 (22' 9")	7360 (24' 2")	7050 (23' 2")
Min swing radius		F	4270 (14' 0")	4420 (14' 6")	4320 (14' 2")	4220 (13' 10")	4320 (14' 2")
Bucket digging force	kN	SAE	165.7 [179.9]	164.8 [178.9]	165.7 [179.9]	166.7 [181.0]	165.7 [180.8]
	kgf		16900 [18350]	16800 [18240]	16900 [18350]	17000 [18460]	16900 [18440]
	lbf		37260 [40450]	37040 [40210]	37260 [40450]	37480 [40690]	37260 [40650]
	kN	ISO	192.2 [208.7]	191.2 [207.6]	191.2 [207.6]	192.2 [208.7]	192.2 [209.7]
	kgf		19600 [21280]	19500 [21170]	19500 [21170]	19600 [21280]	19600 [21380]
	lbf		43210 [46910]	42990 [46680]	42990 [46680]	43210 [46910]	43210 [47130]
Arm digging force	kN	SAE	131.4 [142.7]	180.4 [195.9]	155.9 [169.3]	114.7 [124.6]	139.3 [151.9]
	kgf		13400 [14550]	18400 [19980]	15900 [17260]	11700 [12700]	14200 [15490]
	lbf		29540 [32070]	40570 [44040]	35050 [38060]	25790 [28010]	31310 [34150]
	kN	ISO	136.3 [148.0]	190.2 [206.6]	163.8 [177.8]	119.6 [129.9]	145.1 [158.4]
	kgf		13900 [15090]	19400 [21060]	16700 [18130]	12200 [13250]	14800 [16150]
	lbf		30640 [33270]	42770 [46440]	36820 [39970]	26900 [29200]	32630 [35600]

[] : Power boost

2) HX300LT3, LR

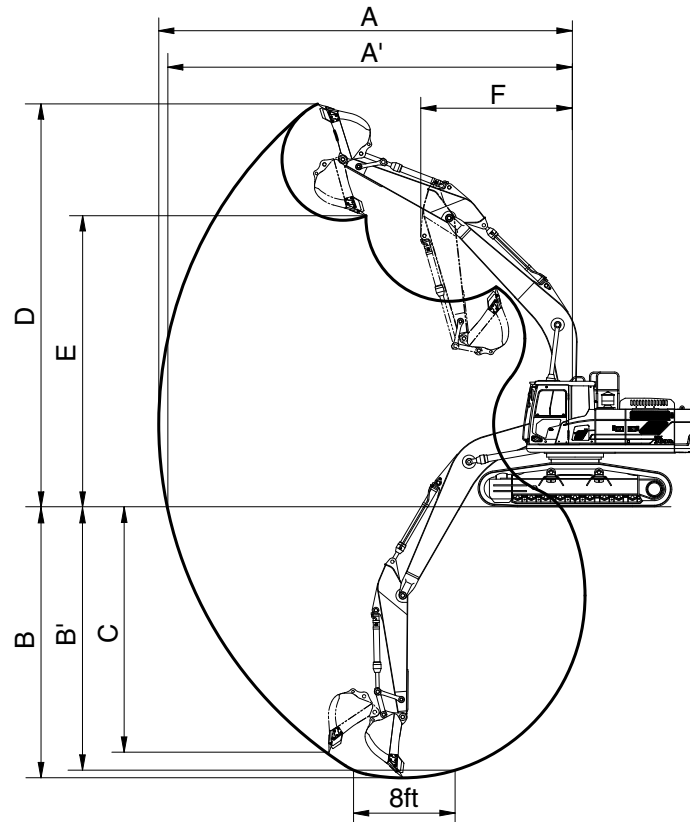


300SA2SP12

Description	m (ft-in)	Boom	10.2(33' 6")
		Arm	7.85 (25' 9")
Max digging reach	mm (ft-in)	A	18530 (60' 10")
Max digging reach on ground		A'	18410 (60' 5")
Max digging depth		B	14740 (48' 4")
Max digging depth (8 ft level)		B'	14660 (48' 1")
Max vertical wall digging depth		C	13700 (44' 11")
Max digging height		D	14590 (47' 10")
Max dumping height		E	12270 (40' 3")
Min swing radius		F	6270 (20' 7")
Bucket digging force	kN	SAE	166.7 [181.0]
	kgf		17000 [18460]
	lbf		37480 [40690]
	kN	ISO	192.2 [208.7]
	kgf		19600 [21280]
	lbf		43210 [46910]
Arm digging force	kN	SAE	114.7 [124.6]
	kgf		11700 [12700]
	lbf		25790 [28010]
	kN	ISO	119.6 [129.9]
	kgf		12200 [13250]
	lbf		26900 [29200]

[] : Power boost

3) HX300S L HIGH WALKER



300A2SP13

Description	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")	2.85 (9' 4")
Max digging reach	mm (ft-in)	A	10807 (35' 5")	10040 (32' 11")	10310 (33' 10")	11420 (37' 6")	10620 (34' 10")
Max digging reach on ground		A'	10536 (34' 7")	9750 (32' 0")	10020 (32' 10")	11170 (36' 8")	10340 (33' 11")
Max digging depth		B	7010 (23' 0")	6060 (19' 11")	6460 (21' 2")	7710 (25' 4")	6810 (22' 4")
Max digging depth (8 ft level)		B'	6850 (22' 6")	5860 (19' 3")	6280 (20' 7")	7570 (24' 10")	6640 (21' 9")
Max vertical wall digging depth		C	5960 (19' 7")	5590 (18' 4")	5440 (17' 10")	6670 (21' 11")	5710 (18' 9")
Max digging height		D	10520 (34' 6")	10450 (34' 3")	10300 (33' 10")	10730 (35' 2")	10410 (34' 2")
Max dumping height		E	7470 (24' 6")	7320 (24' 0")	7250 (23' 9")	7680 (25' 2")	7370 (24' 2")
Min swing radius		F	4270 (14' 0")	4420 (14' 6")	4320 (14' 2")	4220 (13' 10")	4320 (14' 2")
Bucket digging force	kN	SAE	165.7 [179.9]	164.8 [178.9]	165.7 [179.9]	166.7 [181.0]	165.7 [180.8]
	kgf		16900 [18350]	16800 [18240]	16900 [18350]	17000 [18460]	16900 [18440]
	lbf		37260 [40450]	37040 [40210]	37260 [40450]	37480 [40690]	37260 [40650]
	kN	ISO	192.2 [208.7]	191.2 [207.6]	191.2 [207.6]	192.2 [208.7]	192.2 [209.7]
	kgf		19600 [21280]	19500 [21170]	19500 [21170]	19600 [21280]	19600 [21380]
	lbf		43210 [46910]	42990 [46680]	42990 [46680]	43210 [46910]	43210 [47130]
Arm digging force	kN	SAE	131.4 [142.7]	180.4 [195.9]	155.9 [169.3]	114.7 [124.6]	139.3 [151.9]
	kgf		13400 [14550]	18400 [19980]	15900 [17260]	11700 [12700]	14200 [15490]
	lbf		29540 [32070]	40570 [44040]	35050 [38060]	25790 [28010]	31310 [34150]
	kN	ISO	136.3 [148.0]	190.2 [206.6]	163.8 [177.8]	119.6 [129.9]	145.1 [158.4]
	kgf		13900 [15090]	19400 [21060]	16700 [18130]	12200 [13250]	14800 [16150]
	lbf		30640 [33270]	42770 [46440]	36820 [39970]	26900 [29200]	32630 [35600]

[] : Power boost

4. WEIGHT

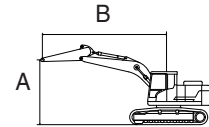
Item	HX300LT3		HX300LT3 LR		HX300LT3 HW	
	kg	lb	kg	lb	kg	lb
Upperstructure assembly	12,930	28,510	14,730	32,470	12,930	28,510
Main frame weld assembly	2,700	5,950	2,700	5,950	2,700	5,950
Engine assembly	552	1,217	552	1,217	552	1,217
Main pump assembly	201	440	201	440	201	440
Main control valve assembly	220	490	220	490	220	490
Swing motor assembly	408	900	408	900	408	900
Hydraulic oil tank WA	203	450	203	450	203	450
Fuel tank WA	236	520	236	520	236	520
Counterweight	5,200	11,460	7,000	15,430	5,200	11,460
Cab assembly	570	1,260	570	1,260	570	1,260
Lower chassis assembly	11,250	24,800	12,200	26,900	14,210	31,330
Track frame weld assembly	3,670	8,090	3,670	8,090	3,670	8,090
Swing bearing	433	950	433	950	433	950
Travel motor assembly	443	980	443	980	443	980
Turning joint	54	120	54	120	54	120
Sprocket (2EA)	141	310	141	310	141	310
Sprocket (only 700 mm double grouser shoe, 2EA)	141	310	141	310	141	310
Track recoil spring	450	990	450	990	450	990
Idler (2EA)	499	1,100	499	1,100	499	1,100
Upper roller (2EA)	139	310	139	310	226	500
Upper roller (only 700 mm double grouser shoe, 2EA)	139	310	-	-	227	500
Lower roller (18EA)	1,015	2,240	1,015	2,240	1,015	2,240
Lower roller (only 700 mm double grouser shoe, 18EA)	1,021	2,250	-	-	1,021	2,250
Track-chain assembly (600 mm triple grouser shoe) (2EA)	3,759	8,290	-	-	3,759	8,290
Track-chain assembly (700 mm triple grouser shoe) (2EA)	4,327	9,540	-	-	4,327	9,540
Track-chain assembly (700 mm double grouser shoe) (2EA)	5,237	11,550	-	-	5,237	11,550
Track-chain assembly (800 mm triple grouser shoe) (2EA)	4,706	10,380	4,706	10,380	4,706	10,380
Front attachment assembly	6,140	13,540	6,590	14,530	6,140	13,540
6.25 m boom assembly	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
1.27 m ³ SAE heaped bucket	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
7.85 m arm assembly	1,425	3,142	1,425	3,142	1,425	3,142
0.52 m ³ SAE heaped bucket	470	1,036	470	1,036	470	1,036
Boom cylinder assembly (2EA)	540	1,190	540	1,190	540	1,190
Arm cylinder assembly	360	793	360	793	360	793
Bucket cylinder assembly	220	485	140	308	220	485
Bucket control linkage total	280	617	130	287	280	617













5. LIFTING CAPACITIES

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300LT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	3050	5200	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
														kg
7.5 m (24.6 ft)	kg											*4400	*4400	7.38
	lb											*9700	*9700	(24.2)
6.0 m (19.7 ft)	kg						*6450	5820				*4210	*4210	8.30
	lb						*14220	12830				*9280	*9280	(27.2)
4.5 m (14.8 ft)	kg			*9410	*9410	*7720	*7720	*6940	5650			*4200	*4200	8.86
	lb			*20750	*20750	*17020	*17020	*15300	12460			*9260	*9260	(29.1)
3.0 m (9.8 ft)	kg			*12440	11480	*9150	7540	*7670	5420	*5480	4070	*4340	3970	9.14
	lb			*27430	25310	*20170	16620	*16910	11950	*12080	8970	*9570	8750	(30.0)
1.5 m (4.9 ft)	kg			*14800	10690	*10480	7130	8320	5200	*6180	3970	*4640	3860	9.17
	lb			*32630	23570	*23100	15720	18340	11460	*13620	8750	*10230	8510	(30.1)
0.0 m (0.0 ft)	kg			*15830	10350	*11360	6860	8140	5040			*5150	3940	8.94
	lb			*34900	22820	*25040	15120	17950	11110			*11350	8690	(29.3)
-1.5 m (-4.9 ft)	kg	*11090	*11090	*15840	10290	11290	6760	8060	4970			*6050	4250	8.44
	lb	*24450	*24450	*34920	22690	24890	14900	17770	10960			*13340	9370	(27.7)
-3.0 m (-9.8 ft)	kg	*17900	*17900	*14980	10400	*11210	6800	8140	5040			*7760	4950	7.61
	lb	*39460	*39460	*33030	22930	*24710	14990	17950	11110			*17110	10910	(25.0)
-4.5 m (-14.8 ft)	kg	*17940	*17940	*12930	10700	*9460	7040					*8730	6590	6.31
	lb	*39550	*39550	*28510	23590	*20860	15520					*19250	14530	(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.

※ Lifting capacities are based upon a standard machine conditions.

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

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

Consult your Hyundai dealer regarding the lifting capacities for specific work tools and attachments.

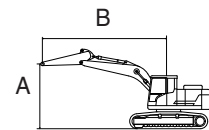
Failure to comply to the rated load can cause possible personal injury or property damage.











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
HX300LT3	MONO BOOM	6250	2100	5200	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					*7640	*7640			*7850	7420	6.40
	lb					*16840	*16840			*17310	16360	(21.0)
6.0 m (19.7 ft)	kg					*7870	*7870			*7740	5740	7.44
	lb					*17350	*17350			*17060	12650	(24.4)
4.5 m (14.8 ft)	kg					*8900	7830	*7880	5570	7730	4940	8.06
	lb					*19620	17260	*17370	12280	17040	10890	(26.5)
3.0 m (9.8 ft)	kg					*10210	7410	*8440	5390	7170	4560	8.37
	lb					*22510	16340	*18610	11880	15810	10050	(27.5)
1.5 m (4.9 ft)	kg					*11280	7090	8330	5220	7040	4450	8.40
	lb					*24870	15630	18360	11510	15520	9810	(27.6)
0.0 m (0.0 ft)	kg					11460	6920	8220	5130	7310	4600	8.15
	lb					25260	15260	18120	11310	16120	10140	(26.8)
-1.5 m (-4.9 ft)	kg			*15420	10540	11450	6910	8250	5150	8110	5080	7.60
	lb			*34000	23240	25240	15230	18190	11350	17880	11200	(24.9)
-3.0 m (-9.8 ft)	kg	*18290	*18290	*13920	10740	*10520	7060			*8990	6200	6.66
	lb	*40320	*40320	*30690	23680	*23190	15560			*19820	13670	(21.9)
-4.5 m (-14.8 ft)	kg			*10490	*10490					*8680	*8680	5.12
	lb			*23130	*23130					*19140	*19140	(16.8)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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

Consult your Hyundai dealer regarding the lifting capacities for specific work tools and attachments.

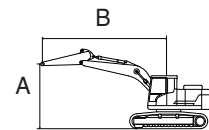
Failure to comply to the rated load can cause possible personal injury or property damage.











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
HX300LT3	MONO BOOM	6250	2500	5200	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					*6950	*6950			*6770	*6770	6.74
	lb					*15320	*15320			*14930	*14930	(22.1)
6.0 m (19.7 ft)	kg					*7340	*7340	*7130	5740	*6440	5430	7.74
	lb					*16180	*16180	*15720	12650	*14200	11970	(25.4)
4.5 m (14.8 ft)	kg			*10610	*10610	*8420	7900	*7480	5610	*6420	4710	8.34
	lb			*23390	*23390	*18560	17420	*16490	12370	*14150	10380	(27.4)
3.0 m (9.8 ft)	kg			*13640	11190	*9780	7460	*8130	5400	*6640	4350	8.64
	lb			*30070	24670	*21560	16450	*17920	11900	*14640	9590	(28.3)
1.5 m (4.9 ft)	kg					*10970	7100	8320	5210	6710	4230	8.67
	lb					*24180	15650	18340	11490	14790	9330	(28.4)
0.0 m (0.0 ft)	kg			*16050	10400	11430	6890	8180	5080	6920	4350	8.43
	lb			*35380	22930	25200	15190	18030	11200	15260	9590	(27.6)
-1.5 m (-4.9 ft)	kg	*11140	*11140	*15660	10420	11370	6840	8160	5060	7610	4750	7.89
	lb	*24560	*24560	*34520	22970	25070	15080	17990	11160	16780	10470	(25.9)
-3.0 m (-9.8 ft)	kg	*19670	*19670	*14440	10590	*10900	6940			*8930	5680	6.99
	lb	*43360	*43360	*31830	23350	*24030	15300			*19690	12520	(22.9)
-4.5 m (-14.8 ft)	kg	*15820	*15820	*11710	10980					*9130	8120	5.55
	lb	*34880	*34880	*25820	24210					*20130	17900	(18.2)

Note 1. Lifting capacity are based on ISO 10567.

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

※ Lifting capacities are based upon a standard machine conditions.

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

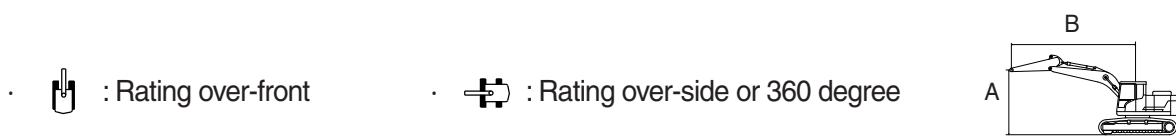
The difference between the weight of a work tool attachment must be subtracted.











Consult your Hyundai dealer regarding the lifting capacities for specific work tools and attachments.

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
HX300LT3	MONO BOOM	6250	2850	5200	600	-	-	-	-	-



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg									*5060	*5060	7.14
	lb									*11160	*11160	(23.4)
6.0 m (19.7 ft)	kg				*6840	*6840	*6650	5770	*4840	*4840		8.08
	lb				*15080	*15080	*14660	12720	*10670	*10670		(26.5)
4.5 m (14.8 ft)	kg			*9790	*9790	*7940	*7940	*7100	5600	*4830	4400	8.66
	lb			*21580	*21580	*17500	*17500	*15650	12350	*10650	9700	(28.4)
3.0 m (9.8 ft)	kg			*12800	11310	*9340	7470	*7790	5380	*5000	4080	8.95
	lb			*28220	24930	*20590	16470	*17170	11860	*11020	8990	(29.4)
1.5 m (4.9 ft)	kg			*15020	10570	*10610	7060	8270	5160	*5350	3960	8.98
	lb			*33110	23300	*23390	15560	18230	11380	*11790	8730	(29.5)
0.0 m (0.0 ft)	kg			*15860	10280	11360	6810	8110	5010	*5970	4050	8.75
	lb			*34970	22660	25040	15010	17880	11050	*13160	8930	(28.7)
-1.5 m (-4.9 ft)	kg	*11320	*11320	*15720	10250	11260	6730	8050	4960	*7060	4400	8.23
	lb	*24960	*24960	*34660	22600	24820	14840	17750	10930	*15560	9700	(27.0)
-3.0 m (-9.8 ft)	kg	*19020	*19020	*14730	10390	*11060	6800			8360	5170	7.38
	lb	*41930	*41930	*32470	22910	*24380	14990			18430	11400	(24.2)
-4.5 m (-14.8 ft)	kg	*17120	*17120	*12470	10740	*8950	7100			*8880	7060	6.03
	lb	*37740	*37740	*27490	23680	*19730	15650			*19580	15560	(19.8)

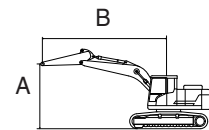
- Note
- Lifting capacity are based on ISO 10567.
 - Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
 - The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
 - *Indicates load limited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















※ Lifting capacities are based upon a standard machine conditions.
 Lifting capacities will vary with different work tools, ground conditions and attachments.
 The difference between the weight of a work tool attachment must be subtracted.
 Consult your Hyundai dealer regarding the lifting capacities for specific work tools and attachments.
 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
HX300LT3	MONO BOOM	6250	3750	5200	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								*5670	*5670								*3370	*3370	8.97	
	lb								*12500	*12500								*7430	*7430	(29.4)	
4.5 m (14.8 ft)	kg							*6800	*6800	*6250	5740	*5230	4220					*3370	*3370	9.50	
	lb							*14990	*14990	*13780	12650	*11530	9300					*7430	*7430	(31.2)	
3.0 m (9.8 ft)	kg				*10900	*10900	*8300	7690	*7060	5480	*6420	4100						*3490	*3490	9.76	
	lb				*24030	*24030	*18300	16950	*15560	12080	*14150	9040						*7690	*7690	(32.0)	
1.5 m (4.9 ft)	kg				*13660	10910	*9780	7210	*7910	5220	6310	3960						*3720	*3720	9.79	
	lb				*30120	24050	*21560	15900	*17440	11510	13910	8730						*8200	*8200	(32.1)	
0.0 m (0.0 ft)	kg			*6810	*6810	*15280	10370	*10900	6860	8120	5010	6190	3850					*4100	3520	9.58	
	lb			*15010	*15010	*33690	22860	*24030	15120	17900	11050	13650	8490					*9040	7760	(31.4)	
-1.5 m (-4.9 ft)	kg	*7060	*7060	*10560	*10560	*15800	10180	11220	6680	7990	4890	*5710	3810					*4750	3750	9.11	
	lb	*15560	*15560	*23280	*23280	*34830	22440	24740	14730	17610	10780	*12590	8400					*10470	8270	(29.9)	
-3.0 m (-9.8 ft)	kg	*11090	*11090	*15460	*15460	*15430	10200	11190	6660	7980	4890							*5900	4250	8.35	
	lb	*24450	*24450	*34080	*34080	*34020	22490	24670	14680	17590	10780							*13010	9370	(27.4)	
-4.5 m (-14.8 ft)	kg	*15980	*15980	*20120	*20120	*14030	10410	*10430	6790									*8180	5340	7.19	
	lb	*35230	*35230	*44360	*44360	*30930	22950	*22990	14970									*18030	11770	(23.6)	
-6.0 m (-19.7 ft)	kg			*15250	*15250	*10750	*10750												*8590	8400	5.38
	lb			*33620	*33620	*23700	*23700												*18940	18520	(17.6)

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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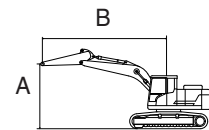
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







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
HX300LT3 HW	MONO BOOM	6250	3050	5200	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)										At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach	
													m (ft)	
9.0 m (29.5 ft)	kg											*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					*6810	*6810	*6520	*6520			*4190	*4190	8.45
	lb					*15010	*15010	*14370	*14370			*9240	*9240	(27.7)
4.5 m (14.8 ft)	kg			*10080	*10080	*8030	*8030	*7090	6820			*4220	*4220	8.95
	lb			*22220	*22220	*17700	*17700	*15630	15040			*9300	*9300	(29.4)
3.0 m (9.8 ft)	kg			*13080	*13080	*9480	9120	*7840	6580	*5770	4990	*4390	*4390	9.17
	lb			*28840	*28840	*20900	20110	*17280	14510	*12720	11000	*9680	*9680	(30.1)
1.5 m (4.9 ft)	kg			*15150	13250	*10730	8720	*8560	6360	*6090	4890	*4730	*4730	9.14
	lb			*33400	29210	*23660	19220	*18870	14020	*13430	10780	*10430	*10430	(30.0)
0.0 m (0.0 ft)	kg	*6560	*6560	*15910	12980	*11480	8480	8500	6210			*5310	4950	8.86
	lb	*14460	*14460	*35080	28620	*25310	18700	18740	13690			*11710	10910	(29.1)
-1.5 m (-4.9 ft)	kg	*12490	*12490	*15720	12960	*11620	8410	8460	6170			*6340	5410	8.29
	lb	*27540	*27540	*34660	28570	*25620	18540	18650	13600			*13980	11930	(27.2)
-3.0 m (-9.8 ft)	kg	*19790	*19790	*14650	13120	*10980	8490					*8390	6440	7.36
	lb	*43630	*43630	*32300	28920	*24210	18720					*18500	14200	(24.2)
-4.5 m (-14.8 ft)	kg	*16860	*16860	*12180	*12180							*8780	*8780	5.93
	lb	*37170	*37170	*26850	*26850							*19360	*19360	(19.4)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

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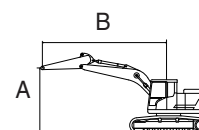
Failure to comply to the rated load can cause possible personal injury or property damage.











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
HX300LT3 HW	MONO BOOM	6250	2100	5200	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					*7570	*7570			*7800	*7800	6.68
	lb					*16690	*16690			*17200	*17200	(21.9)
6.0 m (19.7 ft)	kg					*8050	*8050	*7700	6870	*7750	6690	7.61
	lb					*17750	*17750	*16980	15150	*17090	14750	(25.0)
4.5 m (14.8 ft)	kg					*9190	*9190	*7990	6740	*7840	5900	8.16
	lb					*20260	*20260	*17610	14860	*17280	13010	(26.8)
3.0 m (9.8 ft)	kg					*10490	8990	*8580	6550	7450	5540	8.41
	lb					*23130	19820	*18920	14440	16420	12210	(27.6)
1.5 m (4.9 ft)	kg					*11450	8700	8680	6390	7410	5500	8.37
	lb					*25240	19180	19140	14090	16340	12130	(27.5)
0.0 m (0.0 ft)	kg					*11820	8570	8600	6320	7790	5760	8.06
	lb					*26060	18890	18960	13930	17170	12700	(26.4)
-1.5 m (-4.9 ft)	kg			*15170	13240	*11500	8590			8800	6470	7.42
	lb			*33440	29190	*25350	18940			19400	14260	(24.4)
-3.0 m (-9.8 ft)	kg	*17600	*17600	*13390	*13390	*9990	8800			*9000	8140	6.38
	lb	*38800	*38800	*29520	*29520	*22020	19400			*19840	17950	(20.9)

Note 1. Lifting capacity are based on ISO 10567.

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

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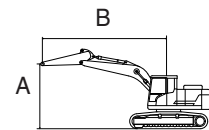
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


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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300LT3 HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	2500	5200	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*6960 *15340	*6960 *15340			*6650 *14660	*6650 *14660	7.01 (23.0)
6.0 m (19.7 ft)	kg lb					*7540 *16620	*7540 *16620	*7160 *15790	6940 15300	*6410 *14130	6350 14000	7.90 (25.9)
4.5 m (14.8 ft)	kg lb			*11300 *24910	*11300 *24910	*8720 *19220	*8720 *19220	*7620 *16800	6770 14930	*6450 *14220	5630 12410	8.43 (27.7)
3.0 m (9.8 ft)	kg lb					*10080 *22220	9040 19930	*8280 *18250	6560 14460	*6730 *14840	5290 11660	8.67 (28.4)
1.5 m (4.9 ft)	kg lb			*13230 *29170	13180 29060	*11170 *24630	8700 19180	8670 19110	6370 14040	7050 15540	5230 11530	8.64 (28.3)
0.0 m (0.0 ft)	kg lb			*16030 *35340	13050 28770	*11710 *25820	8520 18780	8550 18850	6270 13820	7370 16250	5450 12020	8.33 (27.3)
-1.5 m (-4.9 ft)	kg lb	*13230 *29170	*13230 *29170	*15470 *34110	13110 28900	*11600 *25570	8510 18760	8570 18890	6280 13850	8230 18140	6050 13340	7.72 (25.3)
-3.0 m (-9.8 ft)	kg lb	*19010 *41910	*19010 *41910	*14000 *30860	13330 29390	*10530 *23210	8660 19090			*9010 *19860	7440 16400	6.72 (22.1)
-4.5 m (-14.8 ft)	kg lb			*10640 *23460	*10640 *23460					*9070 *20000	*9070 *20000	5.10 (16.7)

Note 1. Lifting capacity are based on ISO 10567.

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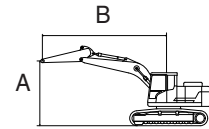
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300LT3 HW	MONO BOOM	6250	2850	5200	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								*5490	*5490	6.05	
	lb								*12100	*12100	(19.9)	
7.5 m (24.6 ft)	kg								*4990	*4990	7.39	
	lb								*11000	*11000	(24.3)	
6.0 m (19.7 ft)	kg				*7040	*7040	*6710	*6710	*4820	*4820	8.24	
	lb				*15520	*15520	*14790	*14790	*10630	*10630	(27.0)	
4.5 m (14.8 ft)	kg		*10470	*10470	*8240	*8240	*7240	6770	*4850	*4850	8.75	
	lb		*23080	*23080	*18170	*18170	*15960	14930	*10690	*10690	(28.7)	
3.0 m (9.8 ft)	kg		*13430	*13430	*9650	9040	*7960	6530	*5060	4980	8.98	
	lb		*29610	*29610	*21270	19930	*17550	14400	*11160	10980	(29.5)	
1.5 m (4.9 ft)	kg		*15320	13140	*10840	8660	8620	6320	*5460	4910	8.95	
	lb		*33770	28970	*23900	19090	19000	13930	*12040	10820	(29.4)	
0.0 m (0.0 ft)	kg		*15900	12920	*11520	8440	8480	6190	*6170	5090	8.66	
	lb		*35050	28480	*25400	18610	18700	13650	*13600	11220	(28.4)	
-1.5 m (-4.9 ft)	kg	*12900	*12900	*15570	12940	*11560	8390	8450	6160	*7420	5610	8.07
	lb	*28440	*28440	*34330	28530	*25490	18500	18630	13580	*16360	12370	(26.5)
-3.0 m (-9.8 ft)	kg	*20010	*20010	*14360	13120	*10780	8500			*8630	6750	7.12
	lb	*44110	*44110	*31660	28920	*23770	18740			*19030	14880	(23.4)
-4.5 m (-14.8 ft)	kg	*15960	*15960	*11620	*11620					*8910	*8910	5.62
	lb	*35190	*35190	*25620	*25620					*19640	*19640	(18.4)

Note 1. Lifting capacity are based on ISO 10567.

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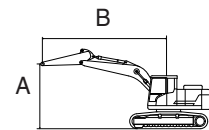
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


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
HX300LT3 HW	MONO BOOM	6250	3750	5200	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																	*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								*5770	*5770	*3880	*3880						*3360	*3360	9.12	
	lb								*12720	*12720	*8550	*8550						*7410	*7410	(29.9)	
4.5 m (14.8 ft)	kg							*7120	*7120	*6420	*6420	*5530	5140					*3390	*3390	9.58	
	lb							*15700	*15700	*14150	*14150	*12190	11330					*7470	*7470	(31.4)	
3.0 m (9.8 ft)	kg				*11600	*11600	*8650	*8650	*7260	6630	*6530	5010						*3530	*3530	9.79	
	lb				*25570	*25570	*19070	*19070	*16010	14620	*14400	11050						*7780	*7780	(32.1)	
1.5 m (4.9 ft)	kg				*14130	13440	*10080	8790	*8090	6370	6590	4870						*3790	*3790	9.76	
	lb				*31150	29630	*22220	19380	*17840	14040	14530	10740						*8360	*8360	(32.0)	
0.0 m (0.0 ft)	kg			*7580	*7580	*15480	12970	*11080	8470	8470	6180	6480	4770					*4220	*4220	9.49	
	lb			*16710	*16710	*34130	28590	*24430	18670	18670	13620	14290	10520					*9300	*9300	(31.1)	
-1.5 m (-4.9 ft)	kg	*7940	*7940	*11560	*11560	*15790	12830	*11520	8320	8370	6080							*4950	4770	8.96	
	lb	*17500	*17500	*25490	*25490	*34810	28290	*25400	18340	18450	13400							*10910	10520	(29.4)	
-3.0 m (-9.8 ft)	kg	*12090	*12090	*16810	*16810	*15210	12900	*11280	8330	8390	6100							*6300	5500	8.12	
	lb	*26650	*26650	*37060	*37060	*33530	28440	*24870	18360	18500	13450							*13890	12130	(26.6)	
-4.5 m (-14.8 ft)	kg	*17320	*17320	*19270	*19270	*13510	13170	*9990	8520									*8290	7110	6.85	
	lb	*38180	*38180	*42480	*42480	*29780	29030	*22020	18780									*18280	15670	(22.5)	
-6.0 m (-19.7 ft)	kg					*9400	*9400												*8610	*8610	4.80
	lb					*20720	*20720												*18980	*18980	(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.

Consult your Hyundai dealer regarding the lifting capacities for specific work tools and attachments.

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

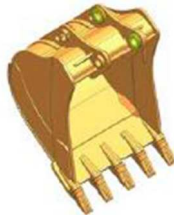
Make adjustments to the rated load as necessary for non-standard configurations.

6. BUCKET SELECTION GUIDE

1) BUCKET SELECTION



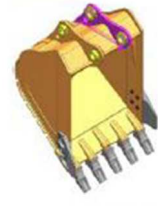
General bucket



Heavy duty
(without side cutter)



Rock heavy duty



Long reach

Type	Capacity		Width mm (in)	Weight kg (lb)	Tooth EA	MONO					L/Reach
	SAE Heaped m ³ (yd ³)	CECE heaped m ³ (yd ³)				Recommendation mm (ft-in)					10.2 m (33' 6") Boom
						6.25 m (20' 6") Boom					
						2.1 m (6' 11") Arm	2.5 m (8' 2") Arm	2.85 m (9' 4") Arm	3.05 m (10' 0") Arm	3.75 m (12' 4") Arm	7.85 m (25' 9") Arm
General bucket	1.27 (1.66)	1.10 (1.44)	1,290 (50.8")	1,010 (2,230)	5	●	●	●	●	◐	X
	1.50 (1.96)	1.30 (1.70)	1,490 (58.7")	1,080 (2,380)	5	●	●	◐	◐	■	X
	1.73 (2.26)	1.50 (1.96)	1,700 (66.9")	1,170 (2,580)	6	◐	■	■	■	▲	X
	1.85 (2.42)	1.60 (2.09)	1,800 (70.9")	1,230 (2,710)	6	■	■	■	▲	▲	X
Heavy duty	1.27 (1.66)	1.10 (1.44)	1,310 (51.6")	1,240 (2,730)	5	●	●	●	●	◐	X
	1.46 (1.91)	1.28 (1.67)	1,460 (57.5")	1,320 (2,910)	5	●	◐	◐	◐	●	X
Rock heavy duty	1.16 (1.52)	1.00 (1.31)	1,340 (52.8")	1,280 (2,820)	5	●	●	●	●	X	X
	1.49 (1.95)	1.28 (1.67)	1,620 (63.8")	1,440 (3,170)	5	◐	◐	■	■	X	X
	1.33 (1.74)	1.16 (1.52)	1,420 (55.9")	1,470 (3,240)	5	●	●	◐	◐	X	X
Long reach	0.52 (0.68)	0.45 (0.59)	935 (36.8")	460 (1,010)	5	X	X	X	X	X	◐

●	Applicable for materials with density of 2100 kg/m ³ (3500 lb/yd ³) or less
◐	Applicable for materials with density of 1800 kg/m ³ (3000 lb/yd ³) or less
■	Applicable for materials with density of 1500 kg/m ³ (2500 lb/yd ³) or less
▲	Applicable for materials with density of 1200 kg/m ³ (2000 lb/yd ³) 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 Hyundai 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)	700
HX300LT3	Operating weight	kg	(lb)	29980	(66090)	30540	(67330)	30910	(68140)	-	-
	Ground pressure	kgf/cm ²	(psi)	0.58	8.21	0.5	7.17	0.45	6.35	-	-
	Overall width	mm	(ft-in)	3200	(10' 6")	3300	(10' 10")	3400	(11' 2")	-	-
	Link quantity	EA		48		48		48		-	
HX300LT3 LR	Operating weight	kg	(lb)	-	-	-	-	33130	(73040)	-	-
	Ground pressure	kgf/cm ²	(psi)	-	-	-	-	0.48	6.80	-	-
	Overall width	mm	(ft-in)	-	-	-	-	3400	(11' 2")	-	-
	Link quantity	EA		-		-				-	
HX300LT3 HW	Operating weight	kg	(lb)	32890	(72510)	33450	(73740)	33830	(74580)	33450	(73740)
	Ground pressure	kgf/cm ²	(psi)	0.63	9	0.55	7.85	0.49	6.95	0.55	7.83
	Overall width	mm	(ft-in)	3470	(11' 5")	3570	(11' 9")	3670	(12' 0")	3570	(11' 9")
	Link quantity	EA		48		48		48		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

Table 2

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

8. SPECIFICATIONS FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Maker / Model	Hyundai / HE6.7
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	17.2 : 1
Gross power	220 Hp (164 kW) at 2000 rpm
Net power	215 Hp (160 kW) at 2000 rpm
Max. power	230 Hp (172 kW) at 1800 rpm
Peak Torque	949 N·m (702 lbf·ft) at 1400 rpm
Engine oil quantity	23.1 ℓ (6.1 U.S. gal)
Wet weight	552 kg (1217 lb)
Starter motor	24 V-4.8 kW
Alternator	Valeo 24 V-90 A

2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 154 cc/rev
Maximum pressure	350 kgf/cm ² (4980 psi) [380 kgf/cm ² (5400 psi)]
Rated oil flow	2 × 277 ℓ /min (73.2 U.S. gpm / 60.9 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 ² (570 psi)
Rated oil flow	27 ℓ /min (7.1 U.S. gpm/5.9 U.K. gpm)

4) MAIN CONTROL VALVE

Item	Specification	
Type	10 spools	
Operating method	Hydraulic pilot system	
Main relief valve pressure	350 kgf/cm ² (4980 psi) [380 kgf/cm ² (5400 psi)] *1 350 kgf/cm ² (4980 psi) [Not applied power boost]	
Port relief valve pressure	Boom	400 kgf/cm ² (5690 psi)
	Arm	400 kgf/cm ² (5690 psi), *1 250 kgf/cm ² (3560 psi)
	Bucket	400 kgf/cm ² (5690 psi), *1 270 kgf/cm ² (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 ² (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 ² (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 ² (4980 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	134 kgf · m (969 lbf · ft)
Brake release pressure	17 kgf/cm ² (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
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

HYUNDAI 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 HYUNDAI and, therefore, will meet the highest safety and quality requirements.

We recommend that you use only HYUNDAI genuine lubricating oils and grease officially approved by HYUNDAI.

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)
Engine oil pan	Engine oil	23.1 (6.1)	★SAE 0W-30						
			SAE 5W-30						
			SAE 10W-30						
			SAE CI-4 and 10W-30						
			SAE 5W-40 or 15W-40						
Swing drive	Gear oil	11.0 (2.91)	★SAE 75W-90						
Final drive		7.8×2 (2.11×2)	SAE 80W-90						
Hydraulic tank	Hydraulic oil	Tank : 190 (50) System : 330 (87)	★ISO VG 15						
			ISO VG 32						
			ISO VG 46						
			ISO VG 68						
Fuel tank	Diesel fuel	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★1	22.4 (5.9)	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

★ : Cold region

Russia, CIS, Mongolia

★1 : Soft water

City water or distilled water

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

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

※ For HYUNDAI genuine lubricating oils and grease for use in regions with extremely low temperatures, please contact HYUNDAI dealers.