

SECTION 1 GENERAL



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SECTION 1 GENERAL

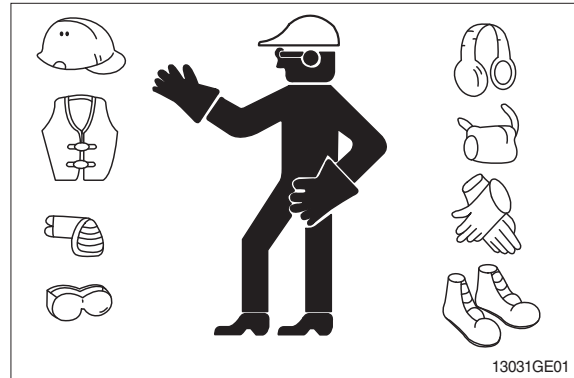
GROUP 1 SAFETY

FOLLOW SAFE PROCEDURE

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

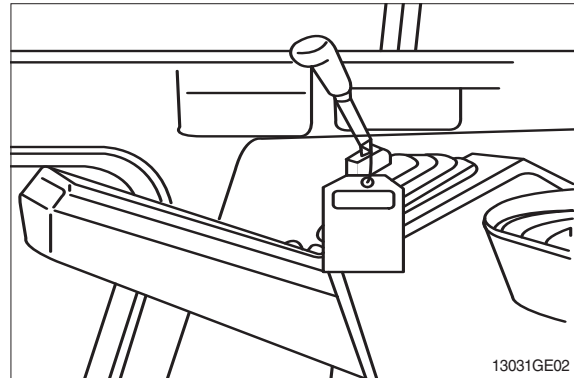
WEAR PROTECTIVE CLOTHING

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



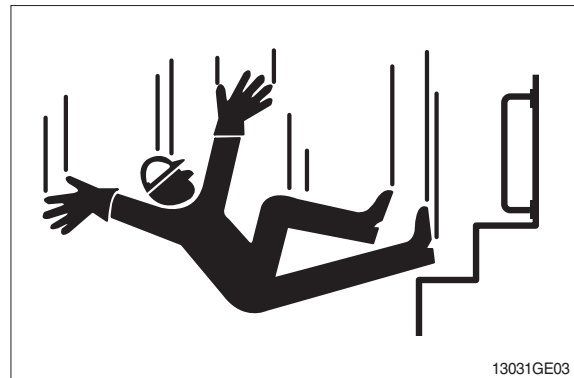
WARN OTHERS OF SERVICE WORK

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.

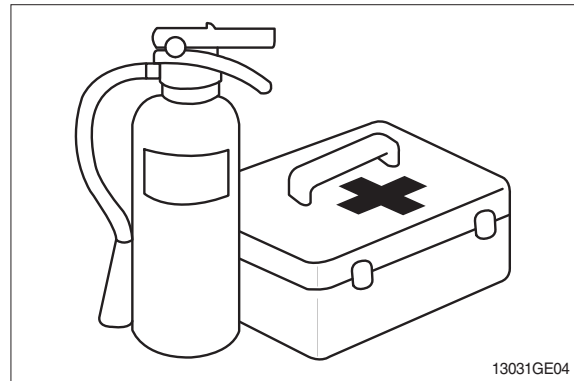


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

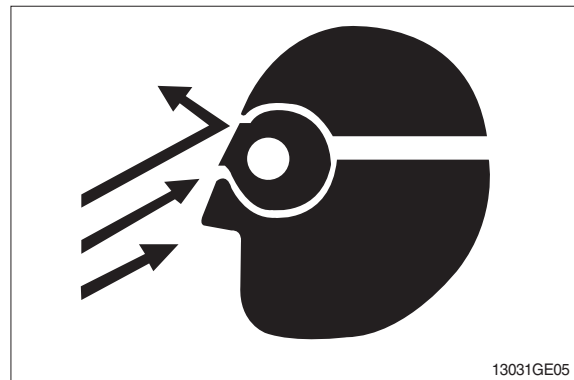
Keep a first aid kit and fire extinguisher handy.

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



PROTECT AGAINST FLYING DEBRIS

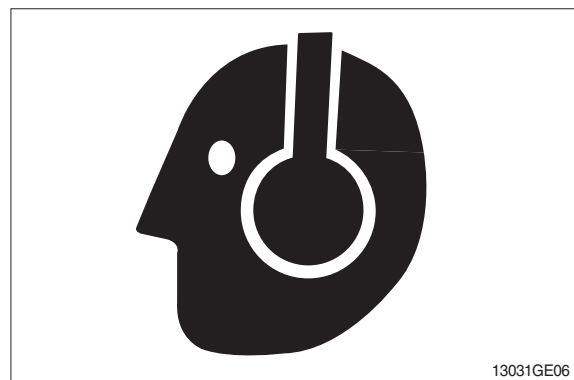
Guard against injury from flying pieces of metal or debris; Wear goggles or safety glasses.



PROTECT AGAINST NOISE

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

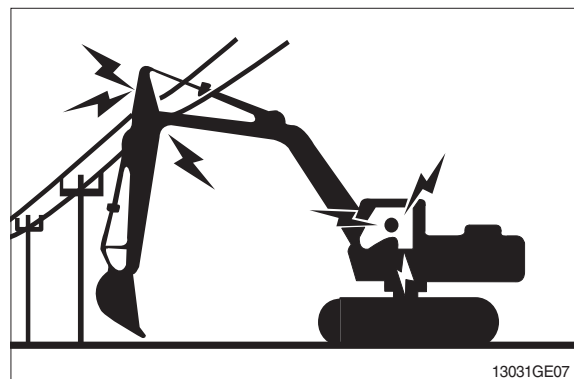
Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



AVOID POWER LINES

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

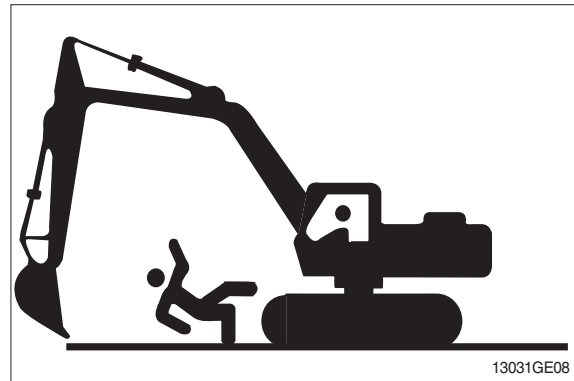
Never move any part of the machine or load closer to electric line than 3m(10ft) plus twice the line insulator length.



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.

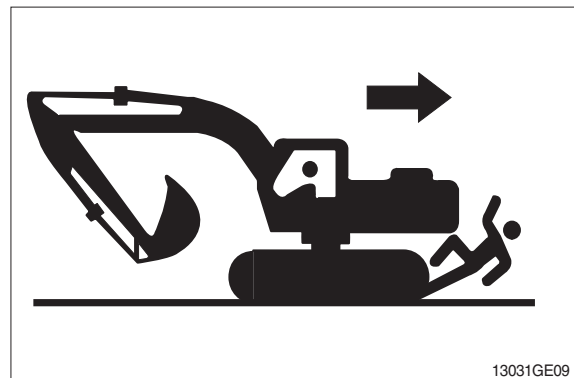


MOVE AND OPERATE MACHINE SAFELY

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:

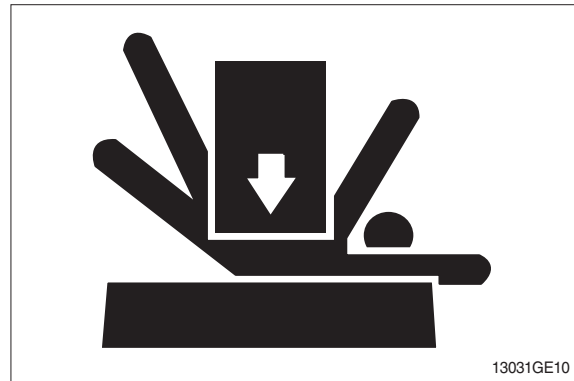
- Park machine on a level surface.
- Lower bucket to the ground.
- Turn auto idle switch off.
- Run engine at 1/2 speed without load for 2 minutes.
- Turn key switch to OFF to stop engine. Remove key from switch.
- Move pilot control shutoff lever to locked position.
- Allow engine to cool.

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.

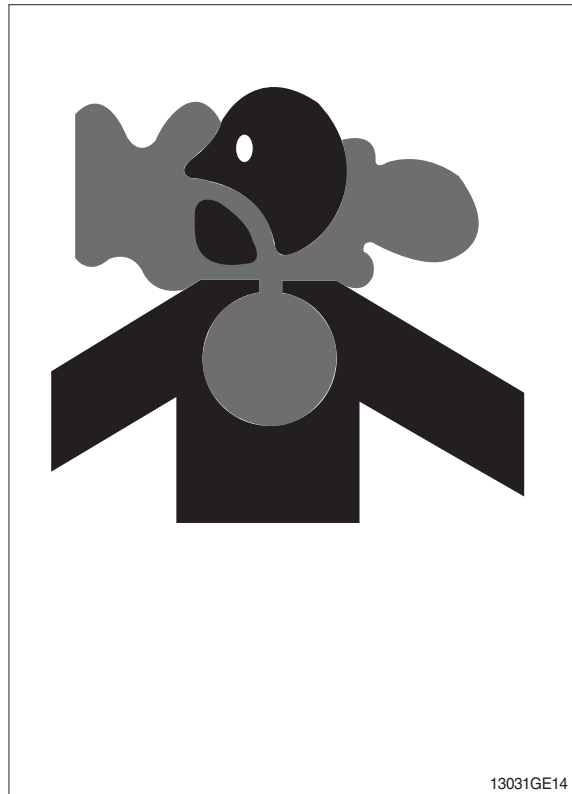
Do all work outside or in a well ventilated area. Dispose of paint and solvent properly.

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

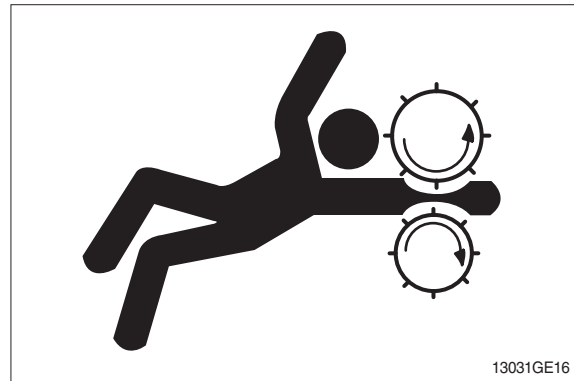
Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.



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.

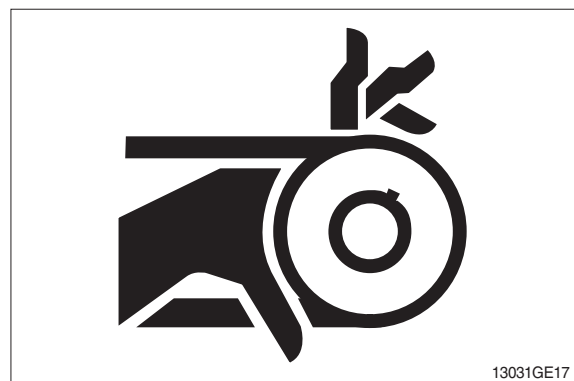
Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



STAY CLEAR OF MOVING PARTS

Entanglements in moving parts can cause serious injury.

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



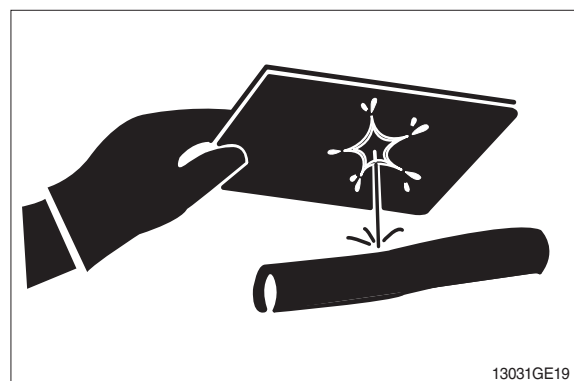
AVOID HIGH PRESSURE FLUIDS

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:

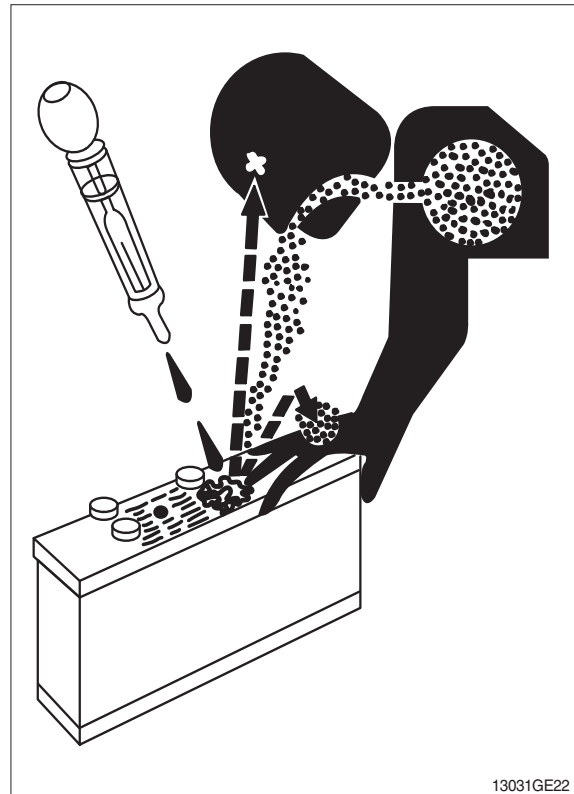
1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.
5. Use proper jump start procedure.

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.



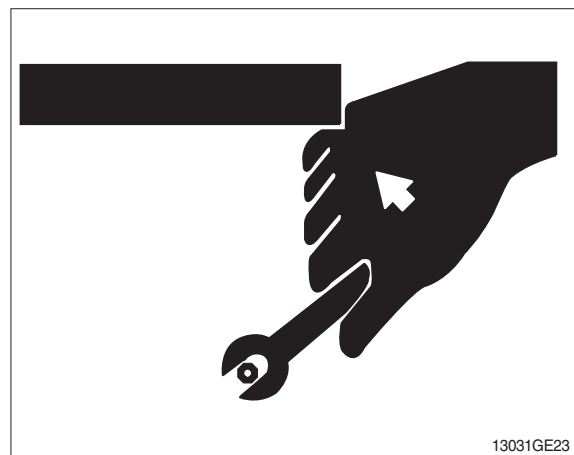
USE TOOLS PROPERLY

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.)

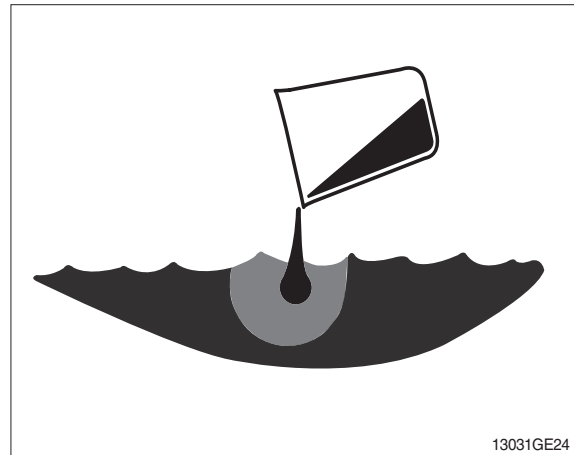


DISPOSE OF FLUIDS PROPERLY

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.

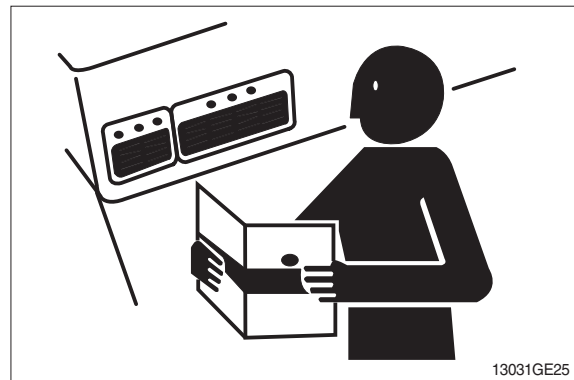
Use proper containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

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.

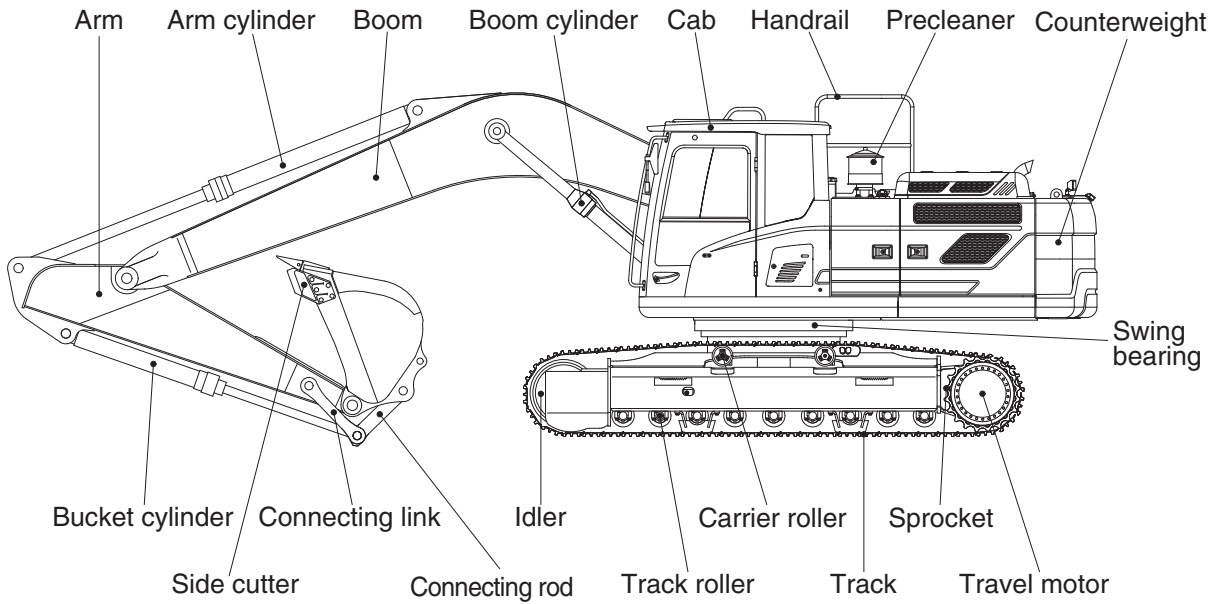
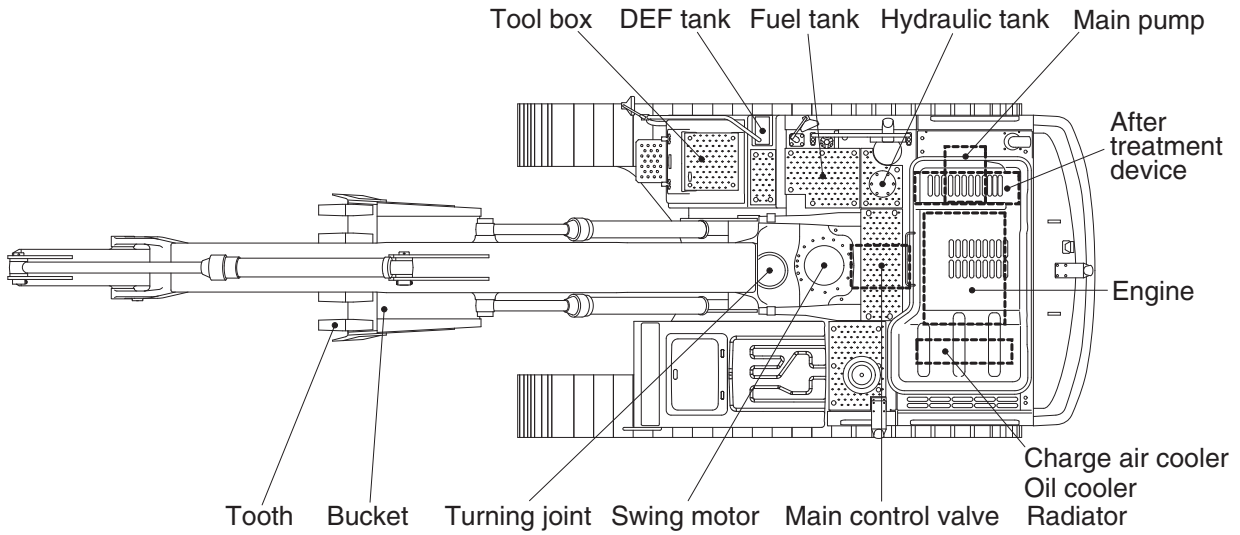


LIVE WITH SAFETY

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

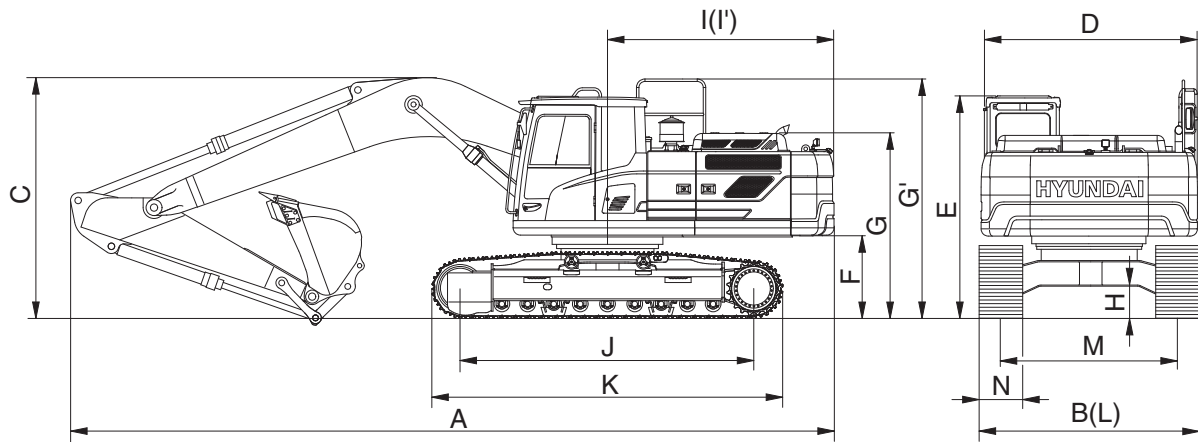


290F2SP01

2. SPECIFICATIONS

1) HX300 L

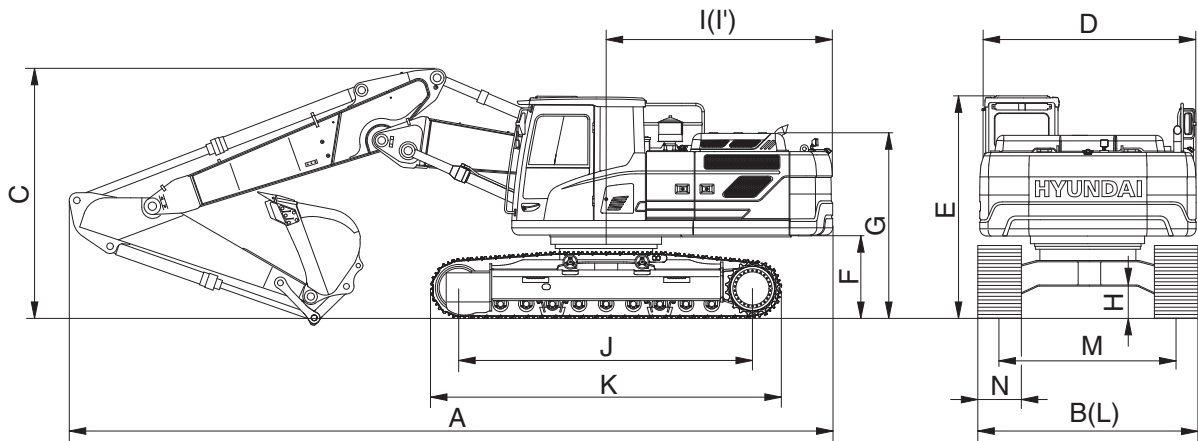
- 6.25 m (20' 6") BOOM and 3.05 m (10' 0") ARM



290F2SP02

Description		Unit	Specification
Operating weight		kg (lb)	30200 (66580)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	1.27 (1.66)
Overall length	A	mm (ft-in)	10560 (34' 8")
Overall width, with 600 mm shoe	B		3200 (10' 6")
Overall height of boom	C		3290 (10' 10")
Superstructure width	D		2980 (9' 9")
Overall height of cab	E		3130 (10' 3")
Ground clearance of counterweight	F		1185 (3' 9")
Overall height of engine hood	G		2600 (8' 6")
Overall height of handrail	G'		3335 (10' 11")
Minimum ground clearance	H		500 (1' 8")
Rear-end distance	I		3120 (10' 3")
Rear-end swing radius	I'		3210 (10' 6")
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		600 (24")
Travel speed (low/high)			km/hr (mph)
Swing speed		rpm	10.2
Gradeability		Degree (%)	35 (70)
Ground pressure (600 mm shoe)		kgf/cm ² (psi)	0.58 (8.25)
Max traction force		kg (lb)	26500 (58420)

· 6.25 m (20' 6") 2-PIECE BOOM and 3.05 m (10' 0") ARM

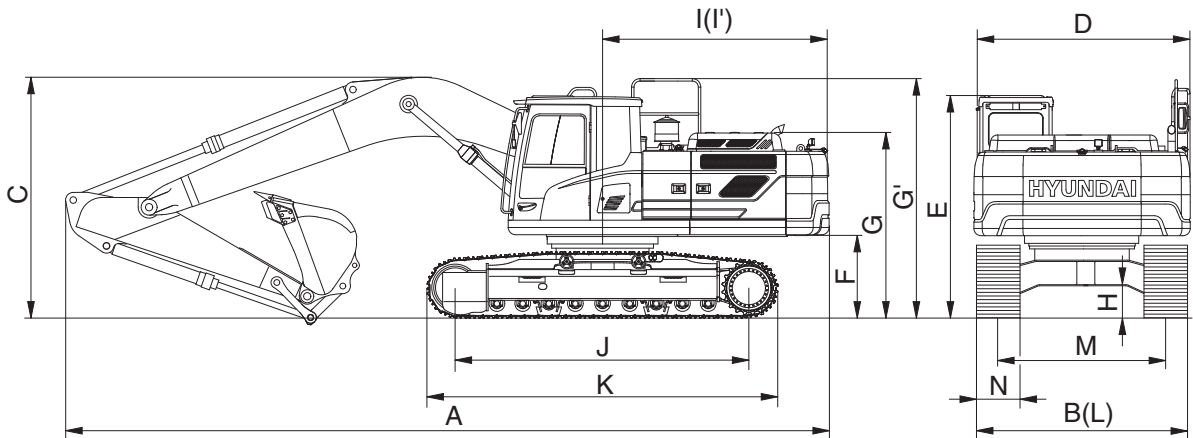


290F2SP02A

Description		Unit	Specification
Operating weight		kg (lb)	33210 (73220)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	1.27 (1.66)
Overall length	A	mm (ft-in)	10640 (34' 9")
Overall width, with 600 mm shoe	B		3200 (10' 6")
Overall height of boom	C		3270 (11' 0")
Superstructure width	D		2980 (9' 9")
Overall height of cab	E		3130 (10' 3")
Ground clearance of counterweight	F		1185 (3' 9")
Overall height of engine hood	G		2600 (8' 6")
Overall height of handrail	G'		3335 (10' 11")
Minimum ground clearance	H		500 (1' 8")
Rear-end distance	I		3120 (10' 3")
Rear-end swing radius	I'		3210 (10' 6")
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		600 (24")
Travel speed (low/high)			km/hr (mph)
Swing speed		rpm	10.2
Gradeability		Degree (%)	35 (70)
Ground pressure (600 mm shoe)		kgf/cm ² (psi)	0.64 (9.10)
Max traction force		kg (lb)	26500 (58420)

2) HX300 NL

· 6.25 m (20' 6") BOOM and 3.05 m (10' 0") ARM

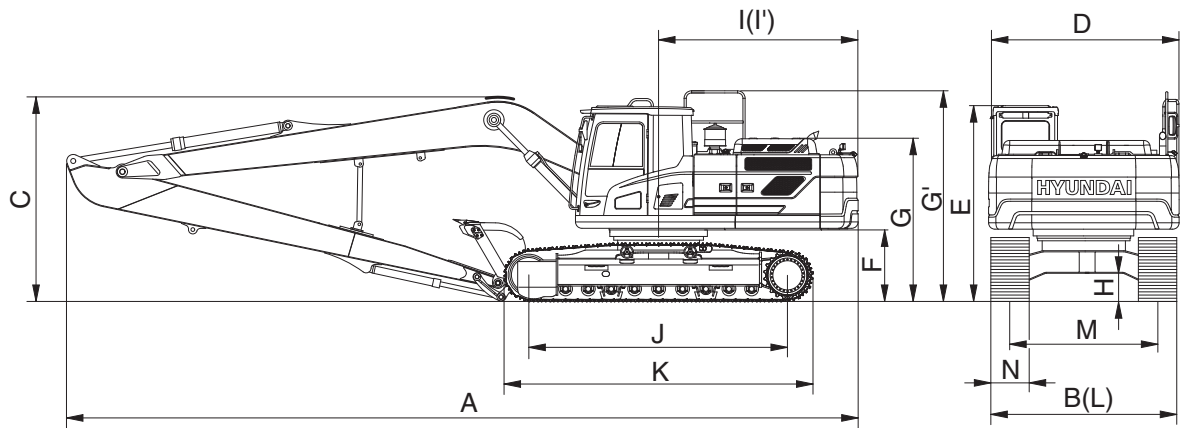


290F2SP03

Description		Unit	Specification
Operating weight		kg (lb)	30000 (66140)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	1.27 (1.66)
Overall length	A	mm (ft-in)	10560 (34' 8")
Overall width, with 600 mm shoe	B		2990 (9' 10")
Overall height of boom	C		3290 (10' 10")
Superstructure width	D		2980 (9' 9")
Overall height of cab	E		3130 (10' 3")
Ground clearance of counterweight	F		1185 (3' 9")
Overall height of engine hood	G		2600 (8' 6")
Overall height of handrail	G'		3335 (10' 11")
Minimum ground clearance	H		500 (1' 8")
Rear-end distance	I		3120 (10' 3")
Rear-end swing radius	I'		3210 (10' 6")
Distance between tumblers	J		4030 (13' 3")
Undercarriage length	K		4885 (16' 0")
Undercarriage width	L		2990 (9' 10")
Track gauge	M		2390 (7' 10")
Track shoe width, standard	N		600 (24")
Travel speed (low/high)		km/hr (mph)	3.3/5.9 (2.1/3.7)
Swing speed		rpm	10.2
Gradeability		Degree (%)	35 (70)
Ground pressure (600 mm shoe)		kgf/cm ² (psi)	0.58 (8.25)
Max traction force		kg (lb)	26500 (58420)

3) HX300 L LONG REACH

· 10.2 m (33' 6") BOOM and 7.85 m (25' 9") ARM

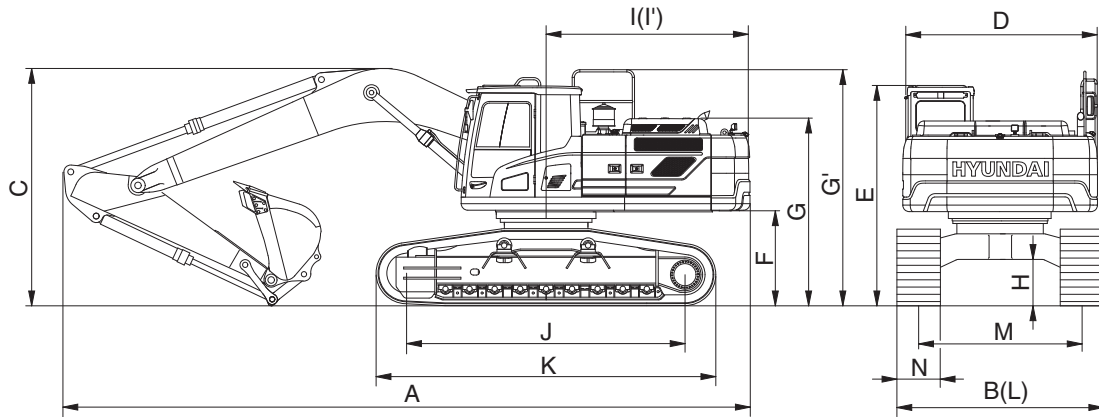


290F2SP04

Description		Unit	Specification
Operating weight		kg (lb)	33070 (72910)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.52 (0.68)
Overall length	A	mm (ft-in)	14560 (47' 9")
Overall width, with 800 mm shoe	B		3400 (11' 2")
Overall height of boom	C		3560 (11' 8")
Superstructure width	D		2980 (9' 9")
Overall height of cab	E		3130 (9' 11")
Ground clearance of counterweight	F		1185 (3' 9")
Overall height of engine hood	G		2600 (8' 6")
Overall height of handrail	G'		3335 (10' 11")
Minimum ground clearance	H		500 (1' 8")
Rear-end distance	I		3120 (10' 3")
Rear-end swing radius	I'		3210 (10' 6")
Distance between tumblers	J		4030 (13' 3")
Undercarriage length	K		4885 (16' 0")
Undercarriage width	L		3400 (11' 2")
Track gauge	M		2600 (8' 6")
Track shoe width, standard	N		800 (31' 5")
Travel speed (low/high)		km/hr (mph)	3.3/5.9 (2.1/3.7)
Swing speed		rpm	10.2
Gradeability		Degree (%)	35 (70)
Ground pressure (800 mm shoe)		kgf/cm ² (psi)	0.48 (6.83)
Max traction force		kg (lb)	26500 (58420)

4) HX300 L HIGH WALKER

· 6.25 m (20' 6") BOOM and 3.05 m (10' 0") ARM



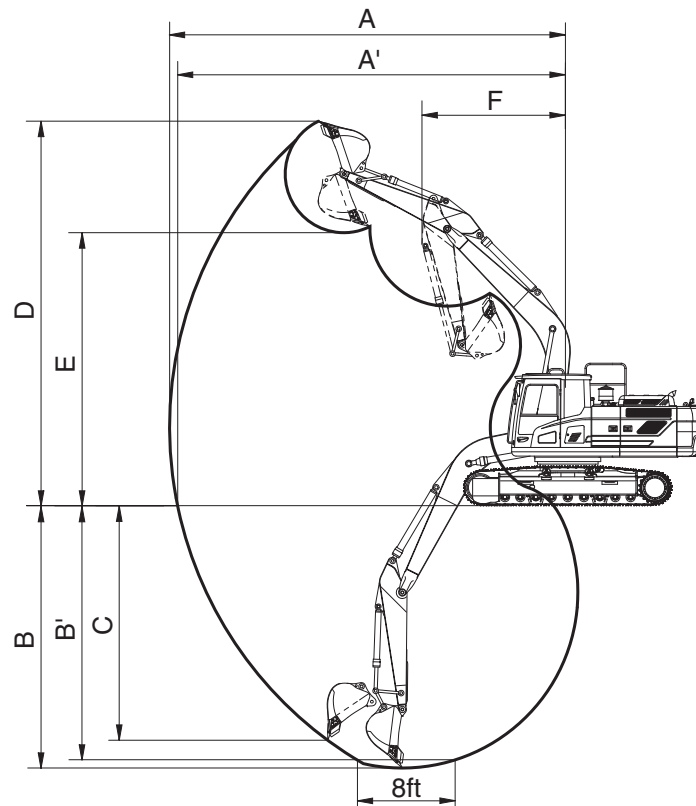
290F2SP05

Description		Unit	Specification
Operating weight		kg (lb)	33040 (72840)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	1.27 (1.66)
Overall length	A	mm (ft-in)	10430 (34' 3")
Overall width, with 600 mm shoe	B		3470 (11' 5")
Overall height of boom	C		3350 (11' 0")
Superstructure width	D		2980 (9' 9")
Overall height of cab	E		3400 (11' 2")
Ground clearance of counterweight	F		1500 (4' 11")
Overall height of engine hood	G		2910 (9' 7")
Overall height of handrail	G'		3650 (12' 0")
Minimum ground clearance	H		765 (2' 6")
Rear-end distance	I		3120 (10' 3")
Rear-end swing radius	I'		3200 (10' 6")
Distance between tumblers	J		4030 (13' 3")
Undercarriage length	K		4950 (16' 3")
Undercarriage width	L		3470 (11' 5")
Track gauge	M		2870 (9' 5")
Track shoe width, standard	N		600 (23' 6")
Travel speed (low/high)			km/hr (mph)
Swing speed		rpm	10.2
Gradeability		Degree (%)	35 (70)
Ground pressure (600 mm shoe)		kgf/cm ² (psi)	0.64 (9.10)
Max traction force		kg (lb)	26500 (58420)

3. WORKING RANGE

1) HX300 L/NL

· 6.25 m (20' 6") BOOM

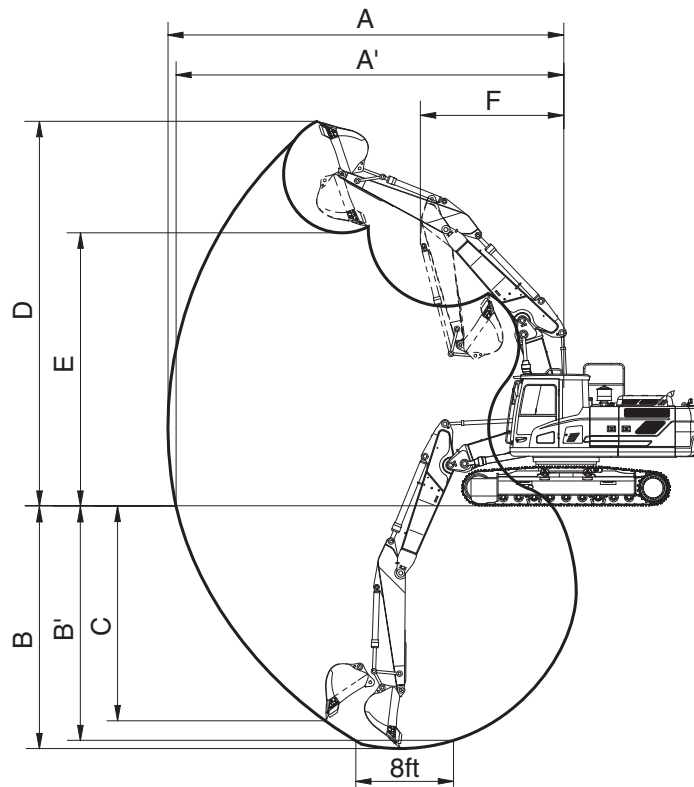


290F2SP06

Description		2.10m (6' 11") Arm	2.50 m (8' 2") Arm	3.05 m (10' 0") Arm	3.75 m (12' 4") Arm
Max digging reach	A	10020 mm (32' 10")	10280 mm (33' 9")	10820 mm (35' 6")	11400 mm (37' 5")
Max digging reach on ground	A'	9820 mm (32' 3")	10080 mm (33' 1")	10620 mm (34' 10")	11220 mm (36' 10")
Max digging depth	B	6440 mm (21' 2")	6840 mm (22' 5")	7390 mm (24' 3")	8090 mm (26' 7")
Max digging depth (8 ft level)	B'	6240 mm (20' 6")	6630 mm (21' 9")	7200 mm (23' 7")	7920 mm (26' 0")
Max vertical wall digging depth	C	6000 mm (19' 8")	5850 mm (19' 2")	6380 mm (20' 11")	7080 mm (23' 3")
Max digging height	D	10040 mm (32' 11")	10000 mm (32' 10")	10160 mm (33' 4")	10360 mm (34' 0")
Max dumping height	E	6940 mm (22' 9")	7030 mm (23' 1")	7110 mm (23' 4")	7310 mm (24' 0")
Min swing radius	F	4400 mm (14' 5")	4300 mm (14' 1")	4250 mm (13' 11")	4200 mm (13' 9")
Bucket digging force	SAE	168.7 [183.1] kN	168.7 [183.1] kN	168.7 [183.1] kN	168.7 [183.1] kN
		17200 [18670] kgf	17200 [18670] kgf	17200 [18670] kgf	17200 [18670] kgf
		37920 [41170] lbf	37920 [41170] lbf	37920 [41170] lbf	37920 [41170] lbf
	ISO	192.2 [208.7] kN	192.2 [208.7] kN	192.2 [208.7] kN	192.2 [208.7] kN
		19600 [21280] kgf	19600 [21280] kgf	19600 [21280] kgf	19600 [21280] kgf
		43210 [46910] lbf	43210 [46910] lbf	43210 [46910] lbf	43210 [46910] lbf
Arm digging force	SAE	180.4 [195.9] kN	156.9 [170.4] kN	131.4 [142.7] kN	114.7 [124.6] kN
		18400 [19980] kgf	16000 [17370] kgf	13400 [14550] kgf	11700 [12700] kgf
		40570 [44050] lbf	35270 [38290] lbf	29540 [32070] lbf	25790 [28000] lbf
	ISO	190.3 [206.6] kN	163.8 [177.8] kN	136.3 [148] kN	119.6 [129.9] kN
		19400 [21060] kgf	16700 [18130] kgf	13900 [15090] kgf	12200 [13250] kgf
		42770 [46440] lbf	36820 [39980] lbf	30640 [33270] lbf	26900 [29210] lbf

[] : Power boost

· 6.25 m (20' 6") 2-PIECE BOOM

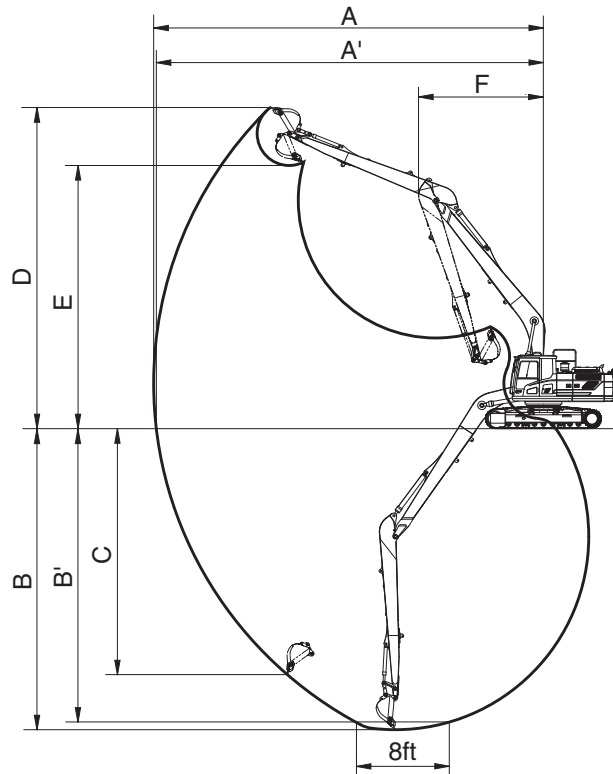


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Description		2.10m (6' 11") Arm	2.50 m (8' 2") Arm	3.05 m (10' 0") Arm	3.75 m (12' 4") Arm
Max digging reach	A	10060 mm (33' 0")	10340 mm (33' 9")	10860 mm (35' 6")	11480 mm (37' 7")
Max digging reach on ground	A'	9850 mm (32' 3")	10140 mm (33' 3")	10670 mm (35' 0")	11300 mm (37' 1")
Max digging depth	B	5930 mm (19' 5")	6280 mm (20' 6")	6820 mm (22' 4")	7490 mm (24' 6")
Max digging depth (8 ft level)	B'	5930 mm (19' 5")	6330 mm (20' 8")	6910 mm (22' 7")	7630 mm (25' 0")
Max vertical wall digging depth	C	5010 mm (16' 4")	5210 mm (17' 1")	5780 mm (19' 0")	6450 mm (21' 2")
Max digging height	D	11540 mm (37' 9")	11680 mm (38' 3")	12090 mm (40' 4")	12550 mm (41' 2")
Max dumping height	E	8310 mm (27' 3")	8440 mm (27' 7")	8850 mm (29' 0")	9320 mm (30' 6")
Min swing radius	F	3180 mm (10' 4")	2900 mm (9' 5")	2630 mm (8' 6")	2850 mm (9' 4")
Bucket digging force	SAE	168.7 [183.1] kN	168.7 [183.1] kN	168.7 [183.1] kN	168.7 [183.1] kN
		17200 [18670] kgf	17200 [18670] kgf	17200 [18670] kgf	17200 [18670] kgf
		37920 [41170] lbf	37920 [41170] lbf	37920 [41170] lbf	37920 [41170] lbf
	ISO	192.2 [208.7] kN	192.2 [208.7] kN	192.2 [208.7] kN	192.2 [208.7] kN
		19600 [21280] kgf	19600 [21280] kgf	19600 [21280] kgf	19600 [21280] kgf
		43210 [46910] lbf	43210 [46910] lbf	43210 [46910] lbf	43210 [46910] lbf
Arm digging force	SAE	180.4 [195.9] kN	156.9 [170.4] kN	131.4 [142.7] kN	114.7 [124.6] kN
		18400 [19980] kgf	16000 [17370] kgf	13400 [14550] kgf	11700 [12700] kgf
		40570 [44050] lbf	35270 [38290] lbf	29540 [32070] lbf	25790 [28000] lbf
	ISO	190.3 [206.6] kN	163.8 [177.8] kN	136.3 [148] kN	119.6 [129.9] kN
		19400 [21060] kgf	16700 [18130] kgf	13900 [15090] kgf	12200 [13250] kgf
		42770 [46440] lbf	36820 [39980] lbf	30640 [33270] lbf	26900 [29210] lbf

2) HX300 L LONG REACH

· 10.2 m (33' 6") BOOM

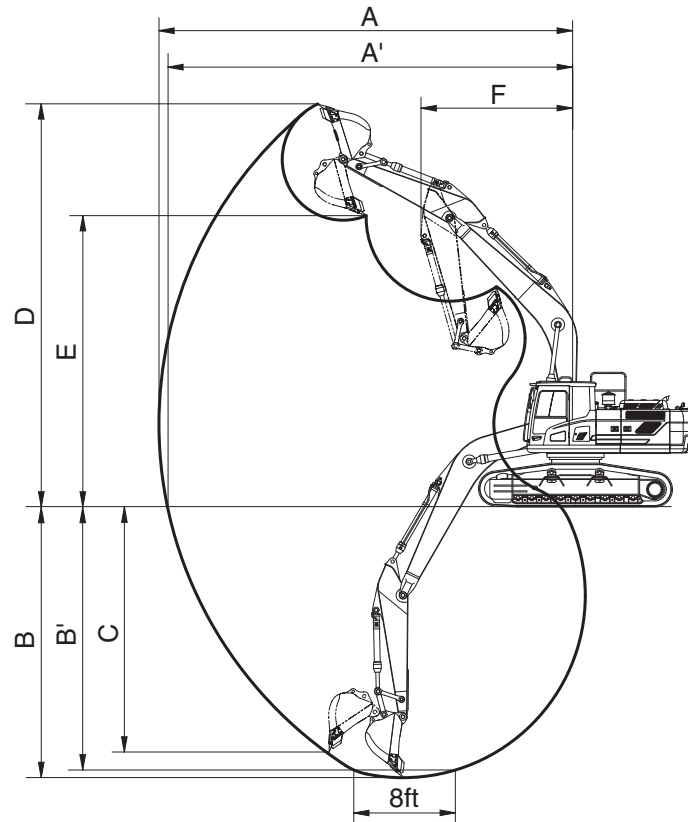


290F2SP07

Description		7.85 m (25' 9") Arm
Max digging reach	A	18510 (60' 9")
Max digging reach on ground	A'	18400 (60' 4")
Max digging depth	B	14820 (48' 7")
Max digging depth (8 ft level)	B'	14690 (48' 2")
Max vertical wall digging depth	C	12020 (39' 5")
Max digging height	D	14500 (47' 7")
Max dumping height	E	12190 (40' 0")
Min swing radius	F	6250 (20' 6")
Bucket digging force	SAE	70 kN
		7100 kgf
		15650 lbf
	ISO	80 kN
		8200 kgf
		18080 lbf
Arm crowd force	SAE	47.1 kN
		4800 kgf
		10580 lbf
	ISO	48.1 kN
		4900 kgf
		10800 lbf

3) HX300 L HIGH WALKER

· 6.25 m (20' 6") BOOM



290F2SP08

Description		2.10 m (6' 11") Arm	2.50 m (8' 2") Arm	3.05 m (10' 0") Arm	3.75 m (12' 4") Arm
Max digging reach	A	10020 mm (32' 10")	10280 mm (33' 9")	10790 mm (35' 5")	11400 mm (37' 5")
Max digging reach on ground	A'	9750 mm (32' 0")	10020 mm (32' 10")	10530 mm (34' 7")	11160 mm (36' 7")
Max digging depth	B	6140 mm (20' 2")	6540 mm (21' 5")	7090 mm (23' 3")	7790 mm (25' 7")
Max digging depth (8 ft level)	B'	5930 mm (19' 5")	6330 mm (20' 9")	6910 mm (22' 8")	7630 mm (25' 0")
Max vertical wall digging depth	C	5700 mm (18' 8")	5560 mm (18' 3")	6090 mm (20' 0")	6790 mm (22' 3")
Max digging height	D	10320 mm (33' 10")	10270 mm (33' 8")	10440 mm (34' 3")	10660 mm (35' 0")
Max dumping height	E	7240 mm (23' 9")	7170 mm (23' 6")	7400 mm (24' 3")	7610 mm (25' 0")
Min swing radius	F	4400 mm (14' 5")	4300 mm (14' 1")	4250 mm (13' 11")	4200 mm (13' 9")
Bucket digging force	SAE	168.7 [183.1] kN	168.7 [183.1] kN	168.7 [183.1] kN	168.7 [183.1] kN
		17200 [18670] kgf	17200 [18670] kgf	17200 [18670] kgf	17200 [18670] kgf
		37920 [41170] lbf	37920 [41170] lbf	37920 [41170] lbf	37920 [41170] lbf
	ISO	192.2 [208.7] kN	192.2 [208.7] kN	192.2 [208.7] kN	192.2 [208.7] kN
		19600 [21280] kgf	19600 [21280] kgf	19600 [21280] kgf	19600 [21280] kgf
		43210 [46910] lbf	43210 [46910] lbf	43210 [46910] lbf	43210 [46910] lbf
Arm digging force	SAE	180.4 [195.9] kN	156.9 [170.4] kN	131.4 [142.7] kN	114.7 [124.6] kN
		18400 [19980] kgf	16000 [17370] kgf	13400 [14550] kgf	11700 [12700] kgf
		40570 [44050] lbf	35270 [38290] lbf	29540 [32070] lbf	25790 [28000] lbf
	ISO	190.3 [206.6] kN	163.8 [177.8] kN	136.3 [148] kN	119.6 [129.9] kN
		19400 [21060] kgf	16700 [18130] kgf	13900 [15090] kgf	12200 [13250] kgf
		42770 [46440] lbf	36820 [39980] lbf	30640 [33270] lbf	26900 [29210] lbf

[] : Power boost

4. WEIGHT

1) HX300 L, HX300 NL

Item	HX300 L		HX300 NL	
	kg	lb	kg	lb
Upperstructure assembly				
· Main frame weld assembly	2720	6000	←	←
· Engine assembly	520	1150	←	←
· Aftertreatment assy	94	210	←	←
· Main pump assembly	140	310	←	←
· Main control valve assembly	220	490	←	←
· Swing motor assembly	350	770	←	←
· Hydraulic oil tank assembly	270	600	←	←
· Fuel tank assembly	235	520	←	←
· Counterweight	5200	11460	←	←
· Cab assembly	490	1080	←	←
Lower chassis assembly				
· Track frame weld assembly	3750	8270	3550	7830
· Swing bearing	435	960	←	←
· Travel motor assembly	360	790	←	←
· Turning joint	54	120	←	←
· Sprocket	83	180	←	←
· Track recoil spring	225	500	←	←
· Idler	260	570	←	←
· Carrier roller	35	80	←	←
· Track roller	56	120	←	←
· Track-chain assembly (600 mm standard triple grouser shoe)	1880	4150	←	←
Front attachment assembly				
· 6.25 m boom assembly	2280	5030	←	←
· 3.05 m arm assembly	1040	2290	←	←
· 1.27 m ³ SAE heaped bucket	1100	2430	←	←
· Boom cylinder assembly	270	600	←	←
· Arm cylinder assembly	360	790	←	←
· Bucket cylinder assembly	220	490	←	←
· Bucket control linkage total	110	240	←	←

※ 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.

2) HX300 L LONG REACH

Item	HX300 L LONG REACH	
	kg	lb
Upperstructure assembly		
· Main frame weld assembly	2720	6000
· Engine assembly	520	1150
· Aftertreatment assy	94	210
· Main pump assembly	140	310
· Main control valve assembly	220	490
· Swing motor assembly	350	770
· Hydraulic oil tank assembly	270	600
· Fuel tank assembly	235	520
· Counterweight	7000	15450
· Cab assembly	490	1080
Lower chassis assembly		
· Track frame weld assembly	3750	8270
· Swing bearing	435	960
· Travel motor assembly	360	790
· Turning joint	54	120
· Sprocket	83	180
· Track recoil spring	225	500
· Idler	260	570
· Carrier roller	35	80
· Track roller	56	120
· Track-chain assembly (800 mm standard triple grouser shoe)	2350	5180
Front attachment assembly		
· 10.2 m boom assembly	2980	6570
· 7.85 m arm assembly	1340	2960
· 0.52 m ³ SAE heaped bucket	460	1010
· Boom cylinder assembly	270	600
· Arm cylinder assembly	360	790
· Bucket cylinder assembly	140	310
· Bucket control linkage total	110	240

※ 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.

3) HX300 L HIGH WALKER

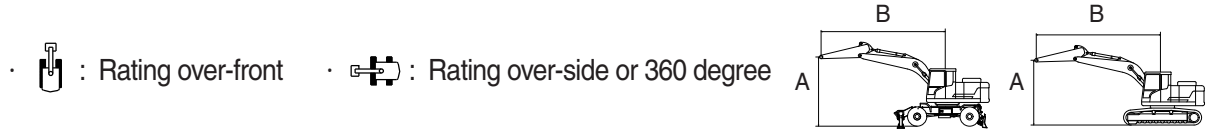
Item	HX300 L HIGH WALKER	
	kg	lb
Upperstructure assembly		
· Main frame weld assembly	2720	6000
· Engine assembly	520	1150
· Aftertreatment assy	94	210
· Main pump assembly	140	310
· Main control valve assembly	220	490
· Swing motor assembly	350	770
· Hydraulic oil tank assembly	270	600
· Fuel tank assembly	235	520
· Counterweight	5200	11460
· Cab assembly	490	1080
Lower chassis assembly		
· Track frame weld assembly	5825	12840
· Swing bearing	435	960
· Travel motor assembly	360	790
· Turning joint	54	120
· Sprocket	83	180
· Track recoil spring	225	500
· Idler	260	570
· Carrier roller	35	80
· Track roller	56	120
· Track-chain assembly (600 mm standard triple grouser shoe)	1880	4150
Front attachment assembly		
· 6.25 m boom assembly	2280	5030
· 3.05 m arm assembly	1040	2290
· 1.27 m ³ SAE heaped bucket	1100	2430
· Boom cylinder assembly	270	600
· Arm cylinder assembly	360	790
· Bucket cylinder assembly	220	490
· Bucket control linkage total	110	240















※ 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
HX300 L	MONO BOOM	6250	3050	5200	600	-	-	-	-	-



Lift-point height (A)	Lift-point radius (B)												At max. reach						
	1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach				
															m (ft)				
7.5 m (24.6 ft)	kg																*4410	*4410	7.38
	lb																*9720	*9720	(24.2)
6.0 m (19.7 ft)	kg								*6490	5820							*4220	*4220	8.30
	lb								*14310	12830							*9300	*9300	(27.2)
4.5 m (14.8 ft)	kg					*9450	*9450	*7760	*7760	*6980	5650						*4210	*4210	8.86
	lb					*20830	*20830	*17110	*17110	*15390	12460						*9280	*9280	(29.1)
3.0 m (9.8 ft)	kg					*12510	11510	*9210	7550	*7720	5430	*5490	4080				*4350	3980	9.14
	lb					*27580	25380	*20300	16640	*17020	11970	*12100	8990				*9590	8770	(30.0)
1.5 m (4.9 ft)	kg					*14900	10740	*10550	7150	8220	5210	*6190	3990				*4640	3870	9.17
	lb					*32850	23680	*23260	15760	18120	11490	*13650	8800				*10230	8530	(30.1)
Ground Line	kg					*15940	10420	11290	6890	8050	5060						*5160	3960	8.94
	lb					*35140	22970	24890	15190	17750	11160						*11380	8730	(29.3)
-1.5 m (-4.9 ft)	kg	*7650	*7650	*11100	*11100	*15950	10360	11170	6790	7980	4990						*6050	4270	8.44
	lb	*16870	*16870	*24470	*24470	*35160	22840	24630	14970	17590	11000						*13340	9410	(27.7)
-3.0 m (-9.8 ft)	kg	*13100	*13100	*17910	*17910	*15100	10470	11230	6830	8060	5060						*7770	4970	7.61
	lb	*28880	*28880	*39480	*39480	*33290	23080	24760	15060	17770	11160						*17130	10960	(25.0)
-4.5 m (-14.8 ft)	kg			*18100	*18100	*13040	10770	*9550	7070								*8810	6620	6.32
	lb			*39900	*39900	*28750	23740	*21050	15590								*19420	14590	(20.7)

Note 1. Lifting capacity are based on SAE J1097 and 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.

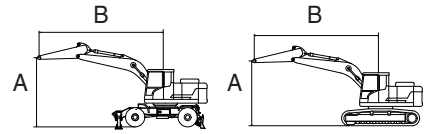
Consult your Hyundai dealer regarding the lifting capacities for specific work tools and attachments.












▲ 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	
HX300 L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	2100	5200	600	-	-	-	-	-

 : Rating over-front
  : Rating over-side or 360 degree

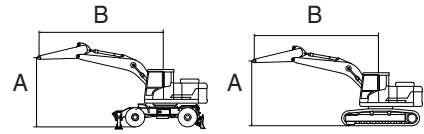












Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												
7.5 m (24.6 ft)	kg					*7670	*7670			*7890	7410	6.40
	lb					*16910	*16910			*17390	16340	(21.0)
6.0 m (19.7 ft)	kg					*7900	*7900			*7790	5740	7.44
	lb					*17420	*17420			*17170	12650	(24.4)
4.5 m (14.8 ft)	kg					*8950	7830	*7930	5580	7640	4950	8.06
	lb					*19730	17260	*17480	12300	16840	10910	(26.5)
3.0 m (9.8 ft)	kg					*10270	7420	8420	5400	7100	4570	8.37
	lb					*22640	16360	18560	11900	15650	10080	(27.5)
1.5 m (4.9 ft)	kg					*11350	7110	8240	5230	6970	4470	8.40
	lb					*25020	15670	18170	11530	15370	9850	(27.6)
Ground Line	kg					11340	6950	8130	5140	7230	4610	8.16
	lb					25000	15320	17920	11330	15940	10160	(26.8)
-1.5 m (-4.9 ft)	kg			*15530	10610	11330	6940	8170	5170	8030	5100	7.60
	lb			*34240	23390	24980	15300	18010	11400	17700	11240	(24.9)
-3.0 m (-9.8 ft)	kg	*18440	*18440	*14030	10810	*10600	7090			*9060	6220	6.66
	lb	*40650	*40650	*30930	23830	*23370	15630			*19970	13710	(21.9)
-4.5 m (-14.8 ft)	kg			*10580	*10580					*8760	*8760	5.12
	lb			*23320	*23320					*19310	*19310	(16.8)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300 L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	2500	5200	600	-	-	-	-	-



·  : Rating over-front

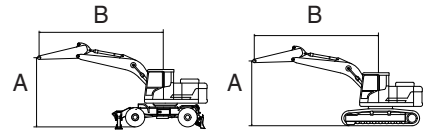
·  : Rating over-side or 360 degree

















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
												
7.5 m (24.6 ft)	kg					*6980	*6980			*6760	*6760	6.74
	lb					*15390	*15390			*14900	*14900	(22.1)
6.0 m (19.7 ft)	kg					*7380	*7380	*7170	5740	*6440	5430	7.74
	lb					*16270	*16270	*15810	12650	*14200	11970	(25.4)
4.5 m (14.8 ft)	kg			*10660	*10660	*8470	7900	*7530	5610	*6420	4710	8.34
	lb			*23500	*23500	*18670	17420	*16600	12370	*14150	10380	(27.4)
3.0 m (9.8 ft)	kg			*13720	11240	*9850	7470	*8180	5410	*6640	4360	8.64
	lb			*30250	24780	*21720	16470	*18030	11930	*14640	9610	(28.3)
1.5 m (4.9 ft)	kg					*11040	7120	8230	5220	6640	4250	8.67
	lb					*24340	15700	18140	11510	14640	9370	(28.4)
Ground Line	kg			*16170	10470	11310	6920	8100	5100	6850	4360	8.43
	lb			*35650	23080	24930	15260	17860	11240	15100	9610	(27.7)
-1.5 m (-4.9 ft)	kg	*11150	*11150	*15780	10490	11260	6870	8080	5090	7530	4770	7.89
	lb	*24580	*24580	*34790	23130	24820	15150	17810	11220	16600	10520	(25.9)
-3.0 m (-9.8 ft)	kg	*19830	*19830	*14550	10660	*10980	6980			*9000	5700	6.99
	lb	*43720	*43720	*32080	23500	*24210	15390			*19840	12570	(22.9)
-4.5 m (-14.8 ft)	kg	*15970	*15970	*11820	11040					*9210	8150	5.55
	lb	*35210	*35210	*26060	24340					*20300	17970	(18.2)

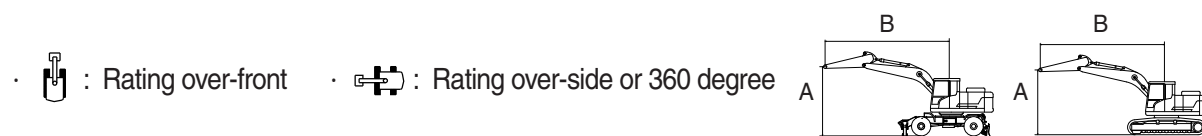
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300 L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	3750	5200	600	-	-	-	-	-





















 : 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)
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									*5700	*5700			*3370	*3370	8.97
	lb									*12570	*12570			*7430	*7430	(29.4)
4.5 m (14.8 ft)	kg							*6830	*6830	*6290	5730	*5230	4220	*3380	*3380	9.50
	lb							*15060	*15060	*13870	12630	*11530	9300	*7450	*7450	(31.2)
3.0 m (9.8 ft)	kg				*10960	*10960	*8340	7690	*7110	5480	6380	4100	*3490	*3490	9.76	
	lb				*24160	*24160	*18390	16950	*15670	12080	14070	9040	*7690	*7690	(32.0)	
1.5 m (4.9 ft)	kg				*13740	10950	*9850	7220	*7970	5220	6240	3970	*3720	3480	9.79	
	lb				*30290	24140	*21720	15920	*17570	11510	13760	8750	*8200	7670	(32.1)	
Ground Line	kg			*6810	*6810	*15380	10430	*10980	6890	8030	5030	6120	3860	*4110	3530	9.58
	lb			*15010	*15010	*33910	22990	*24210	15190	17700	11090	13490	8510	*9060	7780	(31.4)
-1.5 m (-4.9 ft)	kg	*7070	*7070	*10570	*10570	*15920	10250	11100	6720	7900	4910	*5710	3820	*4750	3760	9.11
	lb	*15590	*15590	*23300	*23300	*35100	22600	24470	14820	17420	10820	*12590	8420	*10470	8290	(29.9)
-3.0 m (-9.8 ft)	kg	*11090	*11090	*15460	*15460	*15540	10270	11080	6690	7900	4910			*5900	4270	8.35
	lb	*24450	*24450	*34080	*34080	*34260	22640	24430	14750	17420	10820			*13010	9410	(27.4)
-4.5 m (-14.8 ft)	kg	*15990	*15990	*20280	*20280	*14140	10480	*10510	6830					*8250	5350	7.19
	lb	*35250	*35250	*44710	*44710	*31170	23100	*23170	15060					*18190	11790	(23.6)

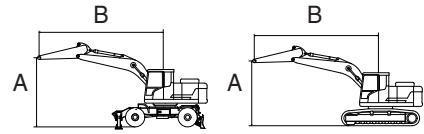
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300 L	Long reach	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		10200	7850	7000	800	-	-	-	-	-















Lift-point height (A)	Lift-point radius (B)																			At max. reach									
	0.5 m (-1.6 ft)		1.0 m (3.3 ft)		2.5 m (8.2 ft)		4.0 m (13.1 ft)		5.5 m (18.0 ft)		7.0 m (23.0 ft)		8.5 m (27.9 ft)		10.0 m (32.8 ft)		11.5 m (37.7 ft)		13.0 m (42.7 ft)		14.5 m (47.6 ft)		16.0 m (52.5 ft)		Capacity	Reach			
																							kg	lb					
12.4 m 40.7 ft																										*780	*780	13.80	
10.9 m 35.8 ft																							*940	*940			*750	*750	14.82
9.4 m 30.8 ft																						*1270	*1270			*730	*730	15.63	
7.9 m 25.9 ft																			*1740	*1740	*1500	*1500	*900	*900	*720	*720	16.25		
6.4 m 21.0 ft																			*3840	*3840	*3310	*3310	*1980	*1980	*1590	*1590	53.3		
4.9 m 16.1 ft																			*1940	*1940	*1700	*1700	*1190	*1190	*730	*730	16.72		
3.4 m 11.2 ft																			*4280	*4280	*3750	*3750	*2620	*2620	*1610	*1610	54.9		
1.9 m 6.2 ft																			*2390	*2390	*2200	*2200	*1910	*1910	*1400	*1400	*750	*750	17.04
0.4 m 1.3 ft																			*5270	*5270	*4850	*4850	*4210	*4210	*3090	*3090	*1650	*1650	55.9
-1.1 m -3.6 ft																													
-2.6 m -8.5 ft																													
-4.1 m -13.5 ft																													
-5.6 m -18.4 ft																													
-7.1 m -23.3 ft																													
-8.6 m -28.2 ft																													
-10.1 m -33.1 ft																													
-11.6 m -38.1 ft																													



Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300 L	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	2100	7500	600	-	-	-	-	-

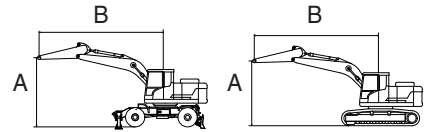
 : Rating over-front
  : Rating over-side or 360 degree















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)		9.0 m (29.5 ft)		Capacity		Reach	
														m (ft)	
9.0 m (29.5 ft)	kg			*12270	*12270								*11940	*11940	4.58
	lb			*27050	*27050								*26320	*26320	(15.0)
7.5 m (24.6 ft)	kg			*11390	*11390	*9440	*9440						*9270	8880	6.35
	lb			*25110	*25110	*20810	*20810						*20440	19580	(20.8)
6.0 m (19.7 ft)	kg			*12450	*12450	*9540	*9540						*8140	6890	7.41
	lb			*27450	*27450	*21030	*21030						*17950	15190	(24.3)
4.5 m (14.8 ft)	kg					*10460	9350	*8100	6690				*7640	5960	8.05
	lb					*23060	20610	*17860	14750				*16840	13140	(26.4)
3.0 m (9.8 ft)	kg					*12000	8910	*8540	6510				*7520	5520	8.38
	lb					*26460	19640	*18830	14350				*16580	12170	(27.5)
1.5 m (4.9 ft)	kg					13540	8580	*9090	6340				*7690	5410	8.42
	lb					29850	18920	*20040	13980				*16950	11930	(27.6)
Ground Line	kg					13360	8410	*9510	6240				*8200	5580	8.19
	lb					29450	18540	*20970	13760				*18080	12300	(26.9)
-1.5 m (-4.9 ft)	kg			*14820	12810	*11970	8410	*8830	6280				*8300	6140	7.66
	lb			*32670	28240	*26390	18540	*19470	13850				*18300	13540	(25.1)
-3.0 m (-9.8 ft)	kg					*9040	8590								
	lb					*19930	18940								



Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300 L	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	2500	7500	600	-	-	-	-	-

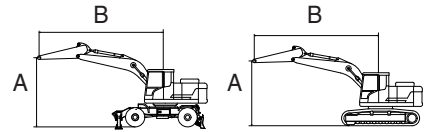
 : Rating over-front
  : Rating over-side or 360 degree















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)		9.0 m (29.5 ft)		Capacity		Reach	
														kg	lb
9.0 m (29.5 ft)	kg			*9800	*9800								*9000	*9000	5.09
	lb			*21610	*21610								*19840	*19840	(16.7)
7.5 m (24.6 ft)	kg			*9870	*9870	*8870	*8870						*7750	*7750	6.73
	lb			*21760	*21760	*19550	*19550						*17090	*17090	(22.1)
6.0 m (19.7 ft)	kg	*11920	*11920	*11130	*11130	*9100	*9100	*7570	6860				*7290	6500	7.73
	lb	*26280	*26280	*24540	*24540	*20060	*20060	*16690	15120				*16070	14330	(25.4)
4.5 m (14.8 ft)	kg			*14530	*14530	*9990	9430	*7780	6730				*7040	5670	8.35
	lb			*32030	*32030	*22020	20790	*17150	14840				*15520	12500	(27.4)
3.0 m (9.8 ft)	kg					*11470	8970	*8260	6520				*6960	5260	8.67
	lb					*25290	19780	*18210	14370				*15340	11600	(28.4)
1.5 m (4.9 ft)	kg					*13240	8590	*8850	6330				*7140	5140	8.71
	lb					*29190	18940	*19510	13960				*15740	11330	(28.6)
Ground Line	kg			*17730	12640	13330	8380	*9350	6200				*7460	5270	8.48
	lb			*39090	27870	29390	18470	*20610	13670				*16450	11620	(27.8)
-1.5 m (-4.9 ft)	kg			*15730	12680	*12400	8340	*9480	6190				*8400	5750	7.97
	lb			*34680	27950	*27340	18390	*20900	13650				*18520	12680	(26.1)
-3.0 m (-9.8 ft)	kg			*12570	*12570	*9980	8460						*7450	6810	7.10
	lb			*27710	*27710	*22000	18650						*16420	15010	(23.3)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300 L	2-PIECE BOOM	6250	3050	7500	600	-	-	-	-	-

 : Rating over-front
  : Rating over-side or 360 degree

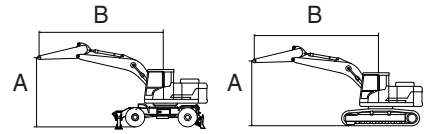












Lift-point height (A)		Lift-point radius (B)										At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg			*8820	*8820	*5960	*5960					*5620	*5620	6.06
	lb			*19440	*19440	*13140	*13140					*12390	*12390	(19.9)
7.5 m (24.6 ft)	kg			*8660	*8660	*8280	*8280					*4990	*4990	7.46
	lb			*19090	*19090	*18250	*18250					*11000	*11000	(24.5)
6.0 m (19.7 ft)	kg			*9630	*9630	*8600	*8600	*7100	6940			*4740	*4740	8.37
	lb			*21230	*21230	*18960	*18960	*15650	15300			*10450	*10450	(27.5)
4.5 m (14.8 ft)	kg			*13240	*13240	*9450	*9450	*7410	6770			*4690	*4690	8.93
	lb			*29190	*29190	*20830	*20830	*16340	14930			*10340	*10340	(29.3)
3.0 m (9.8 ft)	kg			*17310	13700	*10880	9020	*7930	6530	*6360	4950	*4810	4770	9.21
	lb			*38160	30200	*23990	19890	*17480	14400	*14020	10910	*10600	10520	(30.2)
1.5 m (4.9 ft)	kg			*18670	12890	*12670	8590	*8570	6300	*6580	4850	*5090	4670	9.24
	lb			*41160	28420	*27930	18940	*18890	13890	*14510	10690	*11220	10300	(30.3)
Ground Line	kg			*18290	12560	13280	8330	*9140	6140	*5760	4800	*5590	4790	9.01
	lb			*40320	27690	29280	18360	*20150	13540	*12700	10580	*12320	10560	(29.6)
-1.5 m (-4.9 ft)	kg	*12160	*12160	*16670	12520	*12820	8230	9440	6080			*6450	5170	8.51
	lb	*26810	*26810	*36750	27600	*28260	18140	20810	13400			*14220	11400	(27.9)
-3.0 m (-9.8 ft)	kg			*13870	12670	*10860	8300	*7840	6180			*7310	6000	7.69
	lb			*30580	27930	*23940	18300	*17280	13620			*16120	13230	(25.2)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300 NL	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	2100	5200	600	-	-	-	-	-



·  : Rating over-front

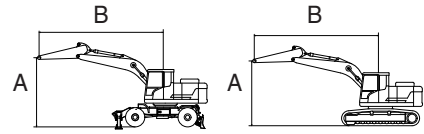
·  : Rating over-side or 360 degree













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					*7690	7600			*7920	6780	6.40
	lb					*16950	16760			*17460	14950	(21.0)
6.0 m (19.7 ft)	kg					*7930	7480			*7810	5250	7.44
	lb					*17480	16490			*17220	11570	(24.4)
4.5 m (14.8 ft)	kg					*8980	7140	*7950	5100	7610	4520	8.06
	lb					*19800	15740	*17530	11240	16780	9960	(26.5)
3.0 m (9.8 ft)	kg					*10300	6750	8380	4930	7070	4170	8.37
	lb					*22710	14880	18470	10870	15590	9190	(27.5)
1.5 m (4.9 ft)	kg					*11390	6450	8200	4770	6940	4070	8.40
	lb					*25110	14220	18080	10520	15300	8970	(27.6)
Ground Line	kg					11290	6300	8100	4680	7200	4200	8.16
	lb					24890	13890	17860	10320	15870	9260	(26.8)
-1.5 m (-4.9 ft)	kg			*15560	9510	11280	6290	8130	4710	7990	4640	7.60
	lb			*34300	20970	24870	13870	17920	10380	17610	10230	(24.9)
-3.0 m (-9.8 ft)	kg	*18480	*18480	*14060	9700	*10630	6430			*9090	5650	6.66
	lb	*40740	*40740	*31000	21380	*23440	14180			*20040	12460	(21.9)
-4.5 m (-14.8 ft)	kg			*10610	10150					*8790	8490	5.12
	lb			*23390	22380					*19380	18720	(16.8)



Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300 NL	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	2500	5200	600	-	-	-	-	-

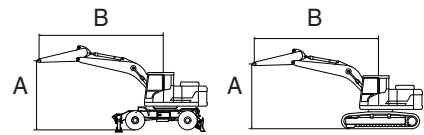
 : Rating over-front
 ·  : Rating over-side or 360 degree

















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
												
7.5 m (24.6 ft)	kg					*7020	*7020			*6800	6430	6.67
	lb					*15480	*15480			*14990	14180	(21.9)
6.0 m (19.7 ft)	kg					*7360	*7360	*7200	5260	*6460	5040	7.68
	lb					*16230	*16230	*15870	11600	*14240	11110	(25.2)
4.5 m (14.8 ft)	kg			*10530	*10530	*8420	7240	*7520	5150	*6430	4350	8.30
	lb			*23210	*23210	*18560	15960	*16580	11350	*14180	9590	(27.2)
3.0 m (9.8 ft)	kg			*13560	10180	*9790	6830	*8170	4950	*6650	4010	8.61
	lb			*29890	22440	*21580	15060	*18010	10910	*14660	8840	(28.3)
1.5 m (4.9 ft)	kg					*10990	6480	8210	4770	6640	3890	8.65
	lb					*24230	14290	18100	10520	14640	8580	(28.4)
Ground Line	kg			*16130	9400	11280	6280	8080	4650	6840	3980	8.42
	lb			*35560	20720	24870	13850	17810	10250	15080	8770	(27.6)
-1.5 m (-4.9 ft)	kg	*10890	*10890	*15780	9410	11220	6230	8050	4630	7490	4340	7.90
	lb	*24010	*24010	*34790	20750	24740	13730	17750	10210	16510	9570	(25.9)
-3.0 m (-9.8 ft)	kg	*19890	18990	*14600	9570	*11030	6320			8990	5170	7.02
	lb	*43850	41870	*32190	21100	*24320	13930			19820	11400	(23.0)
-4.5 m (-14.8 ft)	kg	*16160	*16160	*11970	9920					*9240	7290	5.60
	lb	*35630	*35630	*26390	21870					*20370	16070	(18.4)



Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300 NL	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	3050	5200	600	-	-	-	-	-

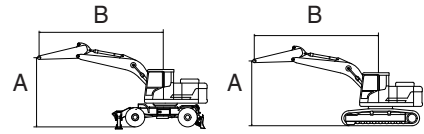
 : Rating over-front
  : Rating over-side or 360 degree

















Lift-point height (A)	Lift-point radius (B)												At max. reach						
	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																*4420	*4420	7.38
	lb																*9740	*9740	(24.2)
6.0 m (19.7 ft)	kg								*6510	5330							*4230	*4230	8.30
	lb								*14350	11750							*9330	*9330	(27.2)
4.5 m (14.8 ft)	kg					*9480	*9480	*7790	7320	*7010	5170						*4220	3910	8.86
	lb					*20900	*20900	*17170	16140	*15450	11400						*9300	8620	(29.1)
3.0 m (9.8 ft)	kg					*12540	10370	*9240	6870	*7750	4950	*5510	3720	*4360	3620	9.14			
	lb					*27650	22860	*20370	15150	*17090	10910	*12150	8200	*9610	7980	(30.0)			
1.5 m (4.9 ft)	kg					*14940	9640	*10580	6480	8190	4740	*6210	3630	*4660	3520	9.17			
	lb					*32940	21250	*23320	14290	18060	10450	*13690	8000	*10270	7760	(30.1)			
Ground Line	kg					*15980	9320	11240	6230	8020	4590			*5180	3600	8.94			
	lb					*35230	20550	24780	13730	17680	10120			*11420	7940	(29.3)			
-1.5 m (-4.9 ft)	kg	*7670	*7670	*11120	*11120	*15990	9270	11120	6130	7950	4530			*6070	3880	8.44			
	lb	*16910	*16910	*24520	*24520	*35250	20440	24520	13510	17530	9990			*13380	8550	(27.7)			
-3.0 m (-9.8 ft)	kg	*13120	*13120	*17920	*17920	*15130	9370	11170	6180	8030	4600			*7790	4520	7.61			
	lb	*28920	*28920	*39510	*39510	*33360	20660	24630	13620	17700	10140			*17170	9960	(25.0)			
-4.5 m (-14.8 ft)	kg			*18140	*18140	*13070	9660	*9580	6410					*8830	6000	6.32			
	lb			*39990	*39990	*28810	21300	*21120	14130					*19470	13230	(20.7)			



Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300 NL	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	3750	5200	600	-	-	-	-	-

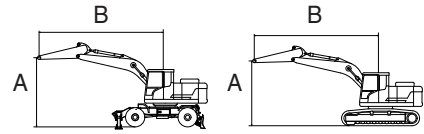
 : Rating over-front
  : Rating over-side or 360 degree















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)
7.5 m (24.6 ft)	kg									*5040	*5040			*3520	*3520	8.08
	lb									*11110	*11110			*7760	*7760	(26.5)
6.0 m (19.7 ft)	kg									*5710	5450			*3390	*3390	8.93
	lb									*12590	12020			*7470	*7470	(29.3)
4.5 m (14.8 ft)	kg							*6790	*6790	*6280	5270	*5140	3870	*3390	*3390	9.46
	lb							*14970	*14970	*13850	11620	*11330	8530	*7470	*7470	(31.0)
3.0 m (9.8 ft)	kg				*10810	10800	*8290	7040	*7090	5020	6370	3750	*3500	3270	9.74	
	lb				*23830	23810	*18280	15520	*15630	11070	14040	8270	*7720	7210	(31.9)	
1.5 m (4.9 ft)	kg				*13610	9890	*9790	6580	*7940	4770	6230	3620	*3730	3180	9.77	
	lb				*30000	21800	*21580	14510	*17500	10520	13730	7980	*8220	7010	(32.1)	
Ground Line	kg			*6790	*6790	*15290	9370	*10930	6250	8010	4580	6110	3520	*4110	3210	9.57
	lb			*14970	*14970	*33710	20660	*24100	13780	17660	10100	13470	7760	*9060	7080	(31.4)
-1.5 m (-4.9 ft)	kg	*6950	*6950	*10490	*10490	*15870	9180	11070	6080	7880	4460	*5730	3470	*4740	3420	9.11
	lb	*15320	*15320	*23130	*23130	*34990	20240	24410	13400	17370	9830	*12630	7650	*10450	7540	(29.9)
-3.0 m (-9.8 ft)	kg	*10970	*10970	*15340	*15340	*15540	9190	11040	6050	7870	4450			*5860	3870	8.36
	lb	*24180	*24180	*33820	*33820	*34260	20260	24340	13340	17350	9810			*12920	8530	(27.4)
-4.5 m (-14.8 ft)	kg	*15830	*15830	*20350	18580	*14200	9380	*10570	6170					*8250	4830	7.22
	lb	*34900	*34900	*44860	40960	*31310	20680	*23300	13600					*18190	10650	(23.7)



Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300 NL	2-PIECE BOOM	6250	2100	7500	600	-	-	-	-	-

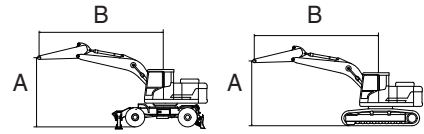
 : Rating over-front
  : Rating over-side or 360 degree















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)		9.0 m (29.5 ft)		Capacity		Reach	
														m (ft)	
9.0 m (29.5 ft)	kg			*12270	*12270								*11940	*11940	4.58
	lb			*27050	*27050								*26320	*26320	(15.0)
7.5 m (24.6 ft)	kg			*11390	*11390	*9440	9020						*9270	8160	6.35
	lb			*25110	*25110	*20810	19890						*20440	17990	(20.8)
6.0 m (19.7 ft)	kg			*12450	*12450	*9540	8920						*8140	6330	7.41
	lb			*27450	*27450	*21030	19670						*17950	13960	(24.3)
4.5 m (14.8 ft)	kg					*10460	8560	*8100	6140				*7640	5470	8.05
	lb					*23060	18870	*17860	13540				*16840	12060	(26.4)
3.0 m (9.8 ft)	kg					*12000	8130	*8540	5960				*7520	5060	8.38
	lb					*26460	17920	*18830	13140				*16580	11160	(27.5)
1.5 m (4.9 ft)	kg					13470	7810	*9090	5790				*7690	4940	8.42
	lb					29700	17220	*20040	12760				*16950	10890	(27.6)
Ground Line	kg					13280	7650	*9510	5700				*8200	5100	8.19
	lb					29280	16870	*20970	12570				*18080	11240	(26.9)
-1.5 m (-4.9 ft)	kg			*14820	11540	*11970	7650	*8830	5740				*8300	5610	7.66
	lb			*32670	25440	*26390	16870	*19470	12650				*18300	12370	(25.1)
-3.0 m (-9.8 ft)	kg					*9040	7820								
	lb					*19930	17240								



Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300 NL	2-PIECE BOOM	6250	2500	7500	600	-	-	-	-	-

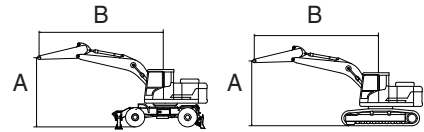
 : Rating over-front
 ·  : Rating over-side or 360 degree















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)		9.0 m (29.5 ft)		Capacity		Reach		
														m (ft)		
9.0 m (29.5 ft)	kg			*9800	*9800									*9000	*9000	5.09
	lb			*21610	*21610									*19840	*19840	(16.7)
7.5 m (24.6 ft)	kg			*9870	*9870	*8870	*8870							*7750	7540	6.73
	lb			*21760	*21760	*19550	*19550							*17090	16620	(22.1)
6.0 m (19.7 ft)	kg	*11920	*11920	*11130	*11130	*9100	9010	*7570	6300					*7290	5970	7.73
	lb	*26280	*26280	*24540	*24540	*20060	19860	*16690	13890					*16070	13160	(25.4)
4.5 m (14.8 ft)	kg			*14530	13250	*9990	8640	*7780	6180					*7040	5200	8.35
	lb			*32030	29210	*22020	19050	*17150	13620					*15520	11460	(27.4)
3.0 m (9.8 ft)	kg					*11470	8190	*8260	5970					*6960	4810	8.67
	lb					*25290	18060	*18210	13160					*15340	10600	(28.4)
1.5 m (4.9 ft)	kg					*13240	7820	*8850	5780					*7140	4690	8.71
	lb					*29190	17240	*19510	12740					*15740	10340	(28.6)
Ground Line	kg			*17730	11370	13250	7610	*9350	5660					*7460	4820	8.48
	lb			*39090	25070	29210	16780	*20610	12480					*16450	10630	(27.8)
-1.5 m (-4.9 ft)	kg			*15730	11410	*12400	7570	*9480	5650					*8400	5250	7.97
	lb			*34680	25150	*27340	16690	*20900	12460					*18520	11570	(26.1)
-3.0 m (-9.8 ft)	kg			*12570	11610	*9980	7690							*7450	6220	7.10
	lb			*27710	25600	*22000	16950							*16420	13710	(23.3)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX300 NL	2-PIECE BOOM	6250	3050	7500	600	-	-	-	-	-

 : Rating over-front
  : Rating over-side or 360 degree

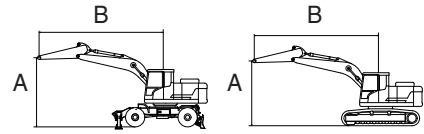












Lift-point height (A)		Lift-point radius (B)										At max. reach			
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach	
														kg	lb
9.0 m (29.5 ft)	kg			*8820	*8820	*5960	*5960						*5620	*5620	6.06
	lb			*19440	*19440	*13140	*13140						*12390	*12390	(19.9)
7.5 m (24.6 ft)	kg			*8660	*8660	*8280	*8280						*4990	*4990	7.46
	lb			*19090	*19090	*18250	*18250						*11000	*11000	(24.5)
6.0 m (19.7 ft)	kg			*9630	*9630	*8600	*8600	*7100	6380				*4740	*4740	8.37
	lb			*21230	*21230	*18960	*18960	*15650	14070				*10450	*10450	(27.5)
4.5 m (14.8 ft)	kg			*13240	*13240	*9450	8720	*7410	6210				*4690	4670	8.93
	lb			*29190	*29190	*20830	19220	*16340	13690				*10340	10300	(29.3)
3.0 m (9.8 ft)	kg			*17310	12390	*10880	8240	*7930	5970	*6360	4530		*4810	4360	9.21
	lb			*38160	27320	*23990	18170	*17480	13160	*14020	9990		*10600	9610	(30.2)
1.5 m (4.9 ft)	kg			*18670	11600	*12670	7820	*8570	5750	*6580	4430		*5090	4270	9.24
	lb			*41160	25570	*27930	17240	*18890	12680	*14510	9770		*11220	9410	(30.3)
Ground Line	kg			*18290	11290	13200	7560	*9140	5590	*5760	4370		*5590	4370	9.01
	lb			*40320	24890	29100	16670	*20150	12320	*12700	9630		*12320	9630	(29.6)
-1.5 m (-4.9 ft)	kg	*12160	*12160	*16670	11250	*12820	7470	9380	5540				*6450	4710	8.51
	lb	*26810	*26810	*36750	24800	*28260	16470	20680	12210				*14220	10380	(27.9)
-3.0 m (-9.8 ft)	kg			*13870	11400	*10860	7540	*7840	5630				*7310	5470	7.69
	lb			*30580	25130	*23940	16620	*17280	12410				*16120	12060	(25.2)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300 L	High walker	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	2100	5200	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

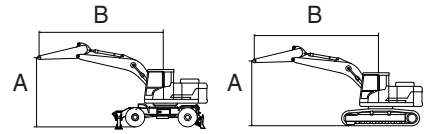












Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg					*7620	*7620			*7860	*7860	6.56
	lb					*16800	*16800			*17330	*17330	(21.5)
6.0 m (19.7 ft)	kg					*8010	*8010	*7770	6890	*7790	6850	7.53
	lb					*17660	*17660	*17130	15190	*17170	15100	(24.7)
4.5 m (14.8 ft)	kg					*9110	*9110	*7990	6790	*7880	6010	8.11
	lb					*20080	*20080	*17610	14970	*17370	13250	(26.6)
3.0 m (9.8 ft)	kg					*10410	9090	*8570	6610	7930	5620	8.38
	lb					*22950	20040	*18890	14570	17480	12390	(27.5)
1.5 m (4.9 ft)	kg					*11420	8790	*9110	6450	7860	5550	8.37
	lb					*25180	19380	*20080	14220	17330	12240	(27.4)
Ground Line	kg					*11860	8650	9120	6370	8230	5790	8.08
	lb					*26150	19070	20110	14040	18140	12760	(26.5)
-1.5 m (-4.9 ft)	kg			*15320	13370	*11600	8660			*8890	6470	7.47
	lb			*33770	29480	*25570	19090			*19600	14260	(24.5)
-3.0 m (-9.8 ft)	kg	*17960	*17960	*13650	13610	*10240	8850			*9070	8030	6.47
	lb	*39590	*39590	*30090	30000	*22580	19510			*20000	17700	(21.2)
-4.5 m (-14.8 ft)	kg			*9580	*9580							
	lb			*21120	*21120							

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300 L	High walker	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	2500	5200	600	-	-	-	-	-



·  : Rating over-front

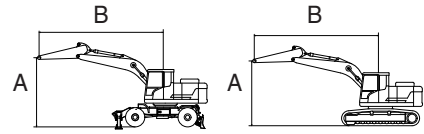
·  : Rating over-side or 360 degree

















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
												
7.5 m (24.6 ft)	kg					*6980	*6980			*6690	*6690	6.89
	lb					*15390	*15390			*14750	*14750	(22.6)
6.0 m (19.7 ft)	kg					*7490	*7490	*7190	6970	*6420	*6420	7.82
	lb					*16510	*16510	*15850	15370	*14150	*14150	(25.7)
4.5 m (14.8 ft)	kg			*11050	*11050	*8640	*8640	*7600	6830	*6440	5730	8.38
	lb			*24360	*24360	*19050	*19050	*16760	15060	*14200	12630	(27.5)
3.0 m (9.8 ft)	kg					*10000	9140	*8270	6620	*6700	5360	8.64
	lb					*22050	20150	*18230	14590	*14770	11820	(28.3)
1.5 m (4.9 ft)	kg			*13480	13350	*11140	8800	*8890	6440	*7230	5290	8.63
	lb			*29720	29430	*24560	19400	*19600	14200	*15940	11660	(28.3)
Ground Line	kg			*16080	13200	*11730	8620	9070	6330	7800	5480	8.35
	lb			*35450	29100	*25860	19000	20000	13960	17200	12080	(27.4)
-1.5 m (-4.9 ft)	kg	*12560	*12560	*15600	13250	*11680	8590	9080	6330	8650	6060	7.77
	lb	*27690	*27690	*34390	29210	*25750	18940	20020	13960	19070	13360	(25.5)
-3.0 m (-9.8 ft)	kg	*19340	*19340	*14230	13450	*10720	8720			*9050	7360	6.81
	lb	*42640	*42640	*31370	29650	*23630	19220			*19950	16230	(22.3)
-4.5 m (-14.8 ft)	kg	*15100	*15100	*11130	*11130					*9180	*9180	5.26
	lb	*33290	*33290	*24540	*24540					*20240	*20240	(17.2)



Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300 L	High walker	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	3050	5200	600	-	-	-	-	-

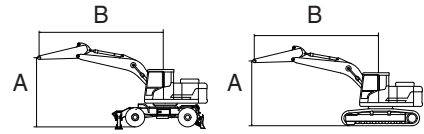
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




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									*4470	*4470					*4360	*4360	7.52
	lb									*9850	*9850					*9610	*9610	(24.7)
6.0 m (19.7 ft)	kg									*6530	*6530					*4210	*4210	8.38
	lb									*14400	*14400					*9280	*9280	(27.5)
4.5 m (14.8 ft)	kg					*9830	*9830	*7940	*7940	*7070	6870					*4220	*4220	8.90
	lb					*21670	*21670	*17500	*17500	*15590	15150					*9300	*9300	(29.2)
3.0 m (9.8 ft)	kg					*12850	*12850	*9390	9210	*7820	6640	*5540	5040			*4380	*4380	9.14
	lb					*28330	*28330	*20700	20300	*17240	14640	*12210	11110			*9660	*9660	(30.0)
1.5 m (4.9 ft)	kg					*15040	13430	*10670	8820	*8550	6420	*5980	4940			*4700	*4700	9.13
	lb					*33160	29610	*23520	19440	*18850	14150	*13180	10890			*10360	*10360	(30.0)
Ground Line	kg					*15910	13140	*11480	8580	9020	6280					*5260	4980	8.87
	lb					*35080	28970	*25310	18920	19890	13850					*11600	10980	(29.1)
-1.5 m (-4.9 ft)	kg	*8460	*8460	*12060	*12060	*15810	13110	*11680	8500	8970	6230					*6230	5430	8.33
	lb	*18650	*18650	*26590	*26590	*34860	28900	*25750	18740	19780	13730					*13730	11970	(27.3)
-3.0 m (-9.8 ft)	kg	*13970	*13970	*19190	*19190	*14830	13250	*11120	8560							*8140	6400	7.44
	lb	*30800	*30800	*42310	*42310	*32690	29210	*24520	18870							*17950	14110	(24.4)
-4.5 m (-14.8 ft)	kg			*17350	*17350	*12530	*12530	*8990	8860							*8840	8750	6.06
	lb			*38250	*38250	*27620	*27620	*19820	19530							*19490	19290	(19.9)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300 L	High walker	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	3750	5200	600	-	-	-	-	-

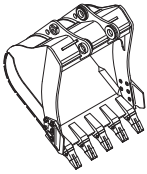
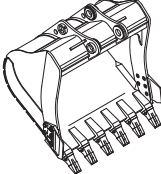
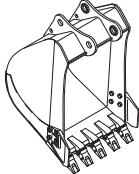
 : Rating over-front
 ·  : Rating over-side or 360 degree



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)
7.5 m (24.6 ft)	kg									*5310	*5310			*3470	*3470	8.26
	lb									*11710	*11710			*7650	*7650	(27.1)
6.0 m (19.7 ft)	kg									*5760	*5760	*3580	*3580	*3360	*3360	9.05
	lb									*12700	*12700	*7890	*7890	*7410	*7410	(29.7)
4.5 m (14.8 ft)	kg							*7020	*7020	*6390	*6390	*5370	5180	*3380	*3380	9.53
	lb							*15480	*15480	*14090	*14090	*11840	11420	*7450	*7450	(31.3)
3.0 m (9.8 ft)	kg					*11350	*11350	*8550	*8550	*7220	6690	*6530	5050	*3510	*3510	9.76
	lb					*25020	*25020	*18850	*18850	*15920	14750	*14400	11130	*7740	*7740	(32.0)
1.5 m (4.9 ft)	kg					*13980	13630	*10000	8890	*8060	6430	*6990	4920	*3760	*3760	9.75
	lb					*30820	30050	*22050	19600	*17770	14180	*15410	10850	*8290	*8290	(32.0)
Ground Line	kg			*7380	*7380	*15440	13140	*11060	8570	*8730	6240	6890	4820	*4180	*4180	9.51
	lb			*16270	*16270	*34040	28970	*24380	18890	*19250	13760	15190	10630	*9220	*9220	(31.2)
-1.5 m (-4.9 ft)	kg	*7640	*7640	*11270	*11270	*15840	12980	*11550	8410	8880	6140	*4870	4790	*4870	4790	9.00
	lb	*16840	*16840	*24850	*24850	*34920	28620	*25460	18540	19580	13540	*10740	10560	*10740	10560	(29.5)
-3.0 m (-9.8 ft)	kg	*11750	*11750	*16400	*16400	*15340	13030	*11380	8410	*8830	6150			*6140	5490	8.19
	lb	*25900	*25900	*36160	*36160	*33820	28730	*25090	18540	*19470	13560			*13540	12100	(26.9)
-4.5 m (-14.8 ft)	kg	*16870	*16870	*19650	*19650	*13760	13280	*10210	8580					*8320	7000	6.96
	lb	*37190	*37190	*43320	*43320	*30340	29280	*22510	18920					*18340	15430	(22.8)

6. BUCKET SELECTION GUIDE

1) GENERAL BUCKET

		
1.27, 1.50 m ³ SAE heaped bucket	1.73, 1.85 m ³ SAE heaped bucket	★0.52 m ³ SAE heaped bucket

Capacity		Width		Weight	Recommendation				
					6.25 m (20' 6") boom				10.2 m (33' 6") boom
SAE heaped	CECE heaped	Without side cutter	With side cutter		2.1 m arm (6' 11")	2.5 m arm (8' 2")	3.05 m arm (10' 0")	3.75 m arm (12' 4")	7.85 m arm (25' 9")
1.27 m ³ (1.66 yd ³)	1.11 m ³ (1.45 yd ³)	1325 mm (52.2")	1410 mm (55.5")	1100 kg (2430 lb)	○	○	○	⊙	
1.50 m ³ (1.96 yd ³)	1.30 m ³ (1.70 yd ³)	1515 mm (59.6")	1600 mm (63.0")	1180 kg (2600 lb)	○	○	⊙	●	
1.73 m ³ (2.26 yd ³)	1.51 m ³ (1.98 yd ³)	1605 mm (63.2")	1690 mm (66.5")	1280 kg (2820 lb)	⊙	⊙	●	●	
1.85 m ³ (2.42 yd ³)	1.61 m ³ (2.11 yd ³)	1700 mm (66.9")	1780 mm (70.1")	1330 kg (2930 lb)	⊙	●	●	●	
★0.52 m ³ (0.68 yd ³)	0.45 m ³ (0.59 yd ³)	945 mm (37.2")	1020 mm (40.2")	460 kg (1010 lb)					⊙

★ : Long reach bucket

○ Applicable for materials with density of 2000 kgf/m³ (3370 lbf/yd³) or less

⊙ Applicable for materials with density of 1600 kgf/m³ (2700 lbf/yd³) or less

● Applicable for materials with density of 1100 kgf/m³ (1850 lbf/yd³) or less

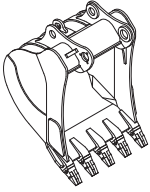
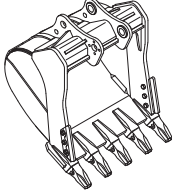
※ These recommendations are for general conditions and average use.

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.

2) HEAVY DUTY AND ROCK-HEAVY DUTY BUCKET

	
<p>◆ 1.27 m³ SAE ◆ 1.46 m³ SAE heaped bucket</p>	<p>◆ 1.33 m³ SAE ◆ 1.50 m³ SAE heaped bucket</p>

Capacity		Width		Weight	Recommendation			
SAE heaped	CECE heaped	Without side cutter	With side cutter		6.25 m (20' 6") boom			
					2.1 m arm (6' 11")	2.5 m arm (8' 2")	3.05 m arm (10' 0")	3.75 m arm (12' 4")
◆ 1.27 m ³ (1.66 yd ³)	1.11 m ³ (1.45 yd ³)	1380 mm (54.3")	-	1290 kg (2840 lb)	○	○	⊙	⊙
◆ 1.46 m ³ (1.91 yd ³)	1.28 m ³ (1.67 yd ³)	1535 mm (60.4")	-	1380 kg (3040 lb)	⊙	⊙	⊙	●
◆ 1.33 m ³ (1.74 yd ³)	1.16 m ³ (1.52 yd ³)	1420 mm (55.9")	-	1470 kg (3240 lb)	⊙	⊙	⊙	●
◆ 1.50 m ³ (1.96 yd ³)	1.30 m ³ (1.70 yd ³)	1550 mm (61.0")	-	1550 kg (3420 lb)	⊙	⊙	●	●

◆ : Heavy duty bucket

◆ : Rock-Heavy duty bucket

○ Applicable for materials with density of 2000 kgf/m³ (3370 lbf/yd³) or less

⊙ Applicable for materials with density of 1600 kgf/m³ (2700 lbf/yd³) or less

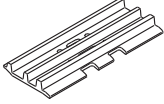
● Applicable for materials with density of 1100 kgf/m³ (1850 lbf/yd³) or less

7. UNDERCARRIAGE

1) TRACKS

X-leg type center frame is integrally welded with reinforced box-section track frames. The design includes dry tracks, lubricated rollers, idlers, sprockets, hydraulic track adjusters with shock absorbing springs and assembled track-type tractor shoes with triple grousers.

2) TYPES OF SHOES

Model	Shapes		Triple grouser			
						
HX300 L	Shoe width	mm (in)	600 (24)	700 (28)	800 (32)	900 (36)
	Operating weight	kg (lb)	30200 (66580)	30770 (67840)	31150 (68670)	31530 (69510)
	Ground pressure	kgf/cm ² (psi)	0.58 (8.25)	0.51 (7.25)	0.45 (6.40)	0.41 (5.83)
	Overall width	mm (ft-in)	3200 (10' 6")	3300 (10' 10")	3400 (11' 1")	3500 (11' 5")
HX300 NL	Shoe width	mm (in)	600 (24)	-	-	-
	Operating weight	kg (lb)	30000 (66140)	-	-	-
	Ground pressure	kgf/cm ² (psi)	0.58 (8.25)	-	-	-
	Overall width	mm (ft-in)	2990 (9'10")	-	-	-
HX300 L LONG REACH	Shoe width	mm (in)	-	-	800 (32)	-
	Operating weight	kg (lb)	-	-	33070 (72910)	-
	Ground pressure	kgf/cm ² (psi)	-	-	0.48 (6.83)	-
	Overall width	mm (ft-in)	-	-	3400 (11' 2")	-
HX300 L HIGH WALKER	Shoe width	mm (in)	600 (24)	700 (28)	800 (32)	★710 (28)
	Operating weight	kg (lb)	33040 (72840)	33610 (74100)	33990 (74930)	34520 (76100)
	Ground pressure	kgf/cm ² (psi)	0.64 (9.10)	0.56 (7.96)	0.49 (6.97)	0.56 (7.96)
	Overall width	mm (ft-in)	3470 (11' 5")	3570 (11' 9")	3670 (12' 0")	3580 (11' 9")

★ : Double grouser

3) NUMBER OF ROLLERS AND SHOES ON EACH SIDE

Item	Quantity
Carrier rollers	2 EA
Track rollers	9 EA
Track shoes	48 EA

4) 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
710 mm double grouser	Option	B
800 mm triple grouser	Option	C
900 mm triple grouser	Option	C
800 mm triple grouser (long reach)	Standard	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
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
Model	Cummins QSB6.7
Type	4-cycle turbocharged, charge air cooled diesel engine
Cooling method	Water cooling
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")
Piston displacement	6700 cc (409 cu in)
Compression ratio	17.3 : 1
Rated net horse power (SAE J1349)	230 Hp at 1950 rpm (171 kW at 1950 rpm)
Rated gross horse power (SAE J1995)	242 Hp at 1950 rpm (180 kW at 1950 rpm)
Maximum torque	100.9 kgf · m (729.8 lbf · ft) at 1500 rpm
Engine oil quantity	23.1 ℓ (6.1 U.S. gal)
Wet weight	520 kg (1146 lb)
High idling speed	1950 ± 50 rpm
Low idling speed	800 ± 100 rpm
Rated fuel consumption	152.1 g/Hp · hr at 1950 rpm
Starting motor	Denso 24 V-4.8 kW
Alternator	Denso 24 V-95 A
Battery	2 × 12 V × 160 Ah

2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 140 cc/rev
Maximum pressure	350 kgf/cm ² (4980 psi) [380 kgf/cm ² (5400 psi)]
Rated oil flow	2 × 273 ℓ /min (72.1 U.S. gpm / 60.1 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	29.25 l /min (7.7 U.S. gpm/6.4 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	36.5 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 and retract

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

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

8) SHOE

Item		Width	Ground pressure	Link quantity	Overall width
HX300 L	Standard	600 mm (24")	0.58 kgf/cm ² (8.25 psi)	48	3200 mm (10' 6")
	Option	700 mm (28")	0.51 kgf/cm ² (7.25 psi)	48	3300 mm (10' 10")
		800 mm (32")	0.45 kgf/cm ² (6.40 psi)	48	3400 mm (11' 1")
		900 mm (36")	0.41 kgf/cm ² (5.83 psi)	48	3500 mm (11' 5")
HX300 NL	Standard	600 mm (24")	0.58 kgf/cm ² (8.25 psi)	48	2990 mm (9' 10")
HX300 L LONG REACH	Standard	800 mm (32")	0.48 kgf/cm ² (6.83 psi)	48	3400 mm (11' 2")
HX300 L HIGH WALKER	Standard	600 mm (24")	0.64 kgf/cm ² (9.10 psi)	48	3470 mm (11' 5")
	Option	700 mm (28")	0.56 kgf/cm ² (7.96 psi)	48	3570 mm (11' 9")
		800 mm (32")	0.49 kgf/cm ² (6.97 psi)	48	3670 mm (12' 0")
		★710 mm (28")	0.56 kgf/cm ² (7.96 psi)	48	3580 mm (11' 9")

★ : Double grouser

9) BUCKET

Item	Capacity		Tooth quantity	Width	
	SAE heaped	CECE heaped		Without side cutter	With side cutter
HX300 L HX300 NL H/WALKER	1.27 m ³ (1.66 yd ³)	1.11 m ³ (1.45 yd ³)	5	1325 mm (52.2")	1410 mm (55.5")
	◆ 1.27 m ³ (1.66 yd ³)	1.11 m ³ (1.45 yd ³)	5	1380 mm (54.3")	-
	◆ 1.46 m ³ (1.91 yd ³)	1.28 m ³ (1.67 yd ³)	5	1535 mm (60.4")	-
	◆ 1.33 m ³ (1.74 yd ³)	1.16 m ³ (1.52 yd ³)	5	1420 mm (55.9")	-
	◆ 1.50 m ³ (1.96 yd ³)	1.30 m ³ (1.70 yd ³)	5	1550 mm (61.0")	-
	1.50 m ³ (1.96 yd ³)	1.30 m ³ (1.70 yd ³)	5	1515 mm (59.6")	1600 mm (63.0")
	1.73 m ³ (2.26 yd ³)	1.51 m ³ (1.98 yd ³)	6	1605 mm (63.2")	1690 mm (66.5")
	1.85 m ³ (2.42 yd ³)	1.61 m ³ (2.11 yd ³)	6	1700 mm (66.9")	1780 mm (70.1")
LONG REACH	0.52 m ³ (0.68 yd ³)	0.45 m ³ (0.59 yd ³)	5	945 mm (37.2")	1020 mm (40.2")

◆ : Heavy duty bucket

◆ : Rock-Heavy duty bucket

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	24.4 (6.4)	★SAE 5W-40						
			SAE 30						
			SAE 10W						
			SAE 10W-30						
			SAE 15W-40						
DEF/ AdBlue® tank	Mixture of urea and deionized water	42.5 (11.2)	ISO 22241, High-purity urea + deionized water (32.5:67.5)						
Swing drive	Gear oil	11 (2.91)	★SAE 75W-90						
Final drive		7.8×2 (2.1×2)	SAE 80W-90						
Hydraulic tank	Hydraulic oil	Tank : 190 (50) System : 330 (87)	★ISO VG 15						
			ISO VG 32						
			ISO VG 46, HBHO VG 46★ ³						
			ISO VG 68						
Fuel tank	Diesel fuel★ ¹	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★ ²	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

UTTO : Universal Tractor Transmission Oil

DEF : Diesel Exhaust Fluid, DEF compatible with AdBlue®

★ : Cold region

Russia, CIS, Mongolia

★¹ : Ultra low sulfur diesel
- sulfur content ≤ 15 ppm

★² : Soft water
City water or distilled water

★³ : Hyundai Bio Hydraulic Oil

- For more information, contact HYUNDAI dealers.

※ 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.

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

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