

SECTION 1 GENERAL



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SECTION 1 GENERAL

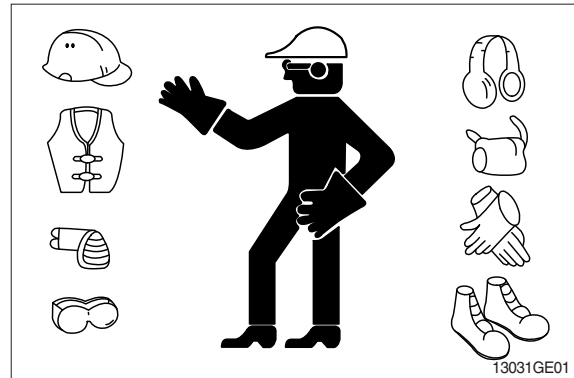
GROUP 1 SAFETY

FOLLOW SAFE PROCEDURE

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

WEAR PROTECTIVE CLOTHING

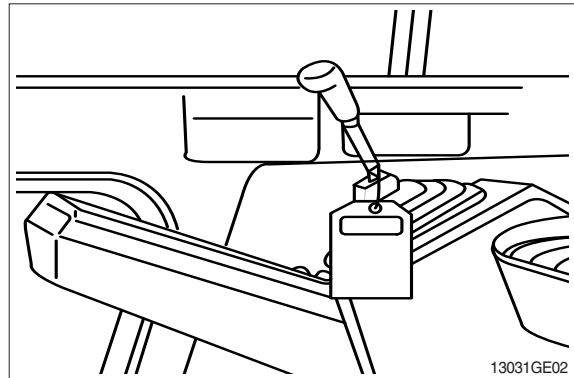
Wear close fitting clothing and safety equipment appropriate to the job.



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.



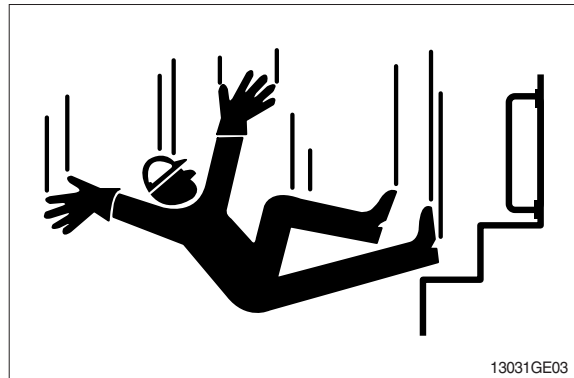
USE HANDHOLDS AND STEPS

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.

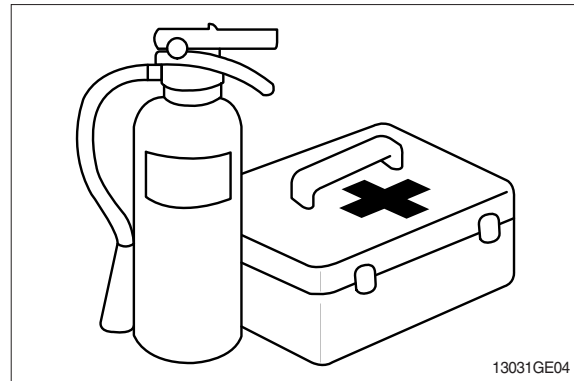


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

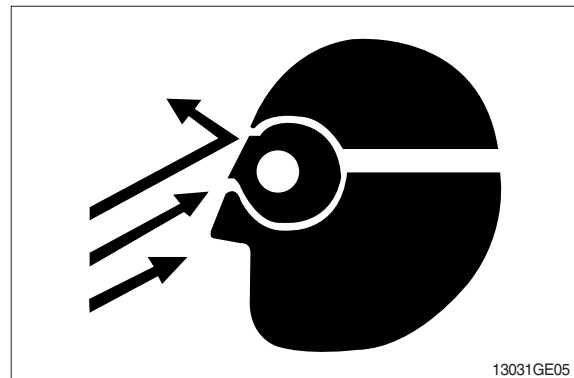
Keep a first aid kit and fire extinguisher handy.

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



PROTECT AGAINST FLYING DEBRIS

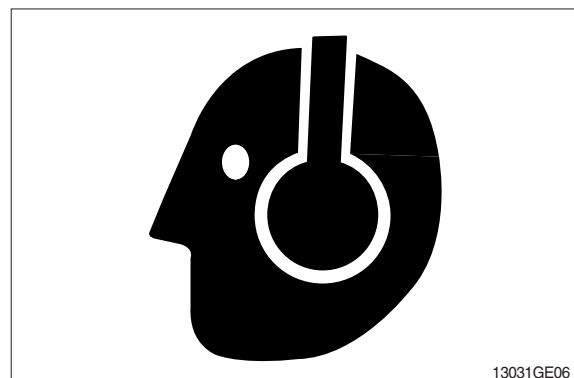
Guard against injury from flying pieces of metal or debris; Wear goggles or safety glasses.



PROTECT AGAINST NOISE

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

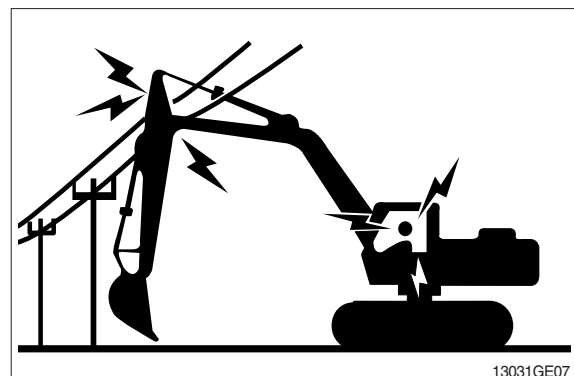
Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



AVOID POWER LINES

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

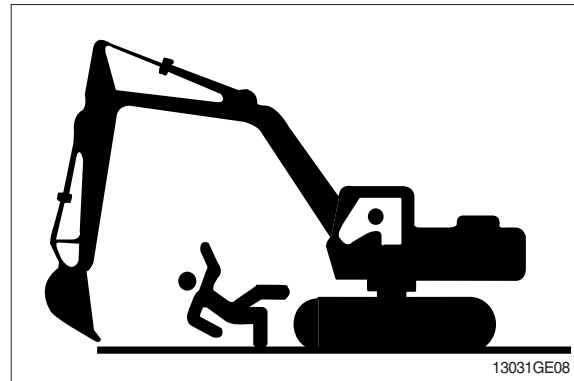
Never move any part of the machine or load closer to electric line than 3m(10ft) plus twice the line insulator length.



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.

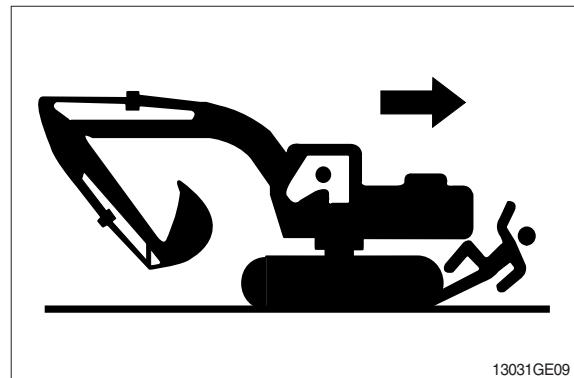


MOVE AND OPERATE MACHINE SAFELY

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:

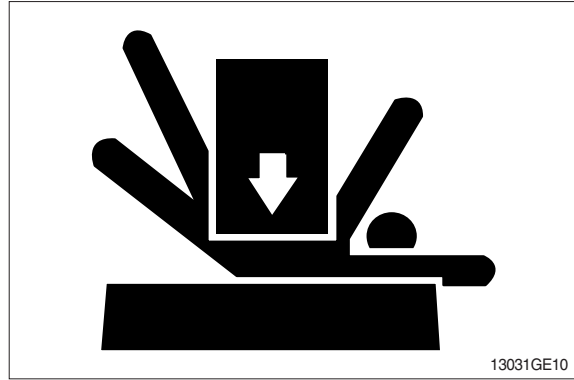
- Park machine on a level surface.
- Lower bucket to the ground.
- Turn auto idle switch off.
- Run engine at 1/2 speed without load for 2 minutes.
- Turn key switch to OFF to stop engine.
Remove key from switch.
- Move pilot control shutoff lever to locked position.
 - Allow engine to cool.

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.

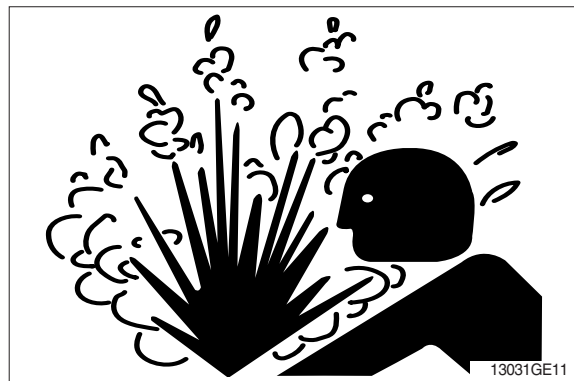
Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.



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

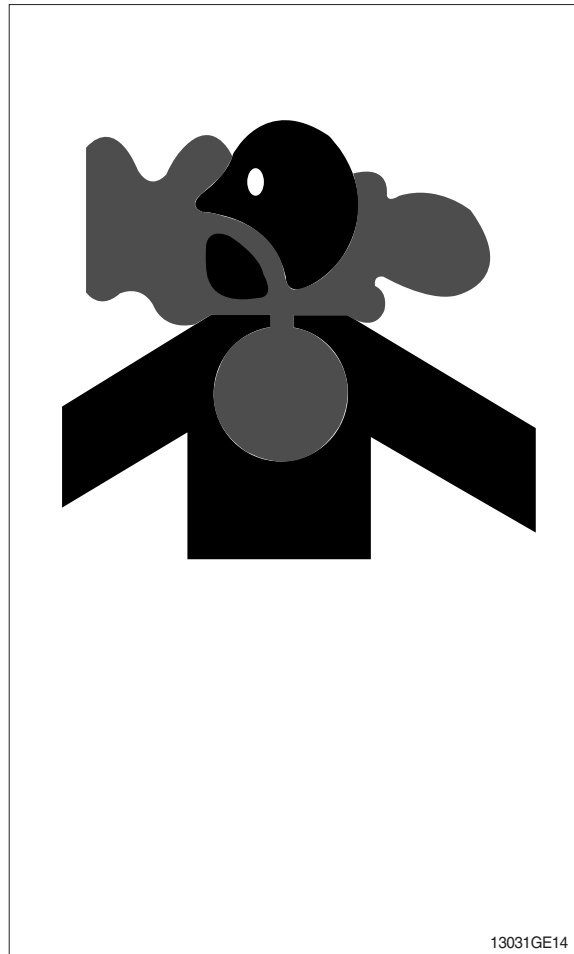
Avoid potentially toxic fumes and dust.

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.

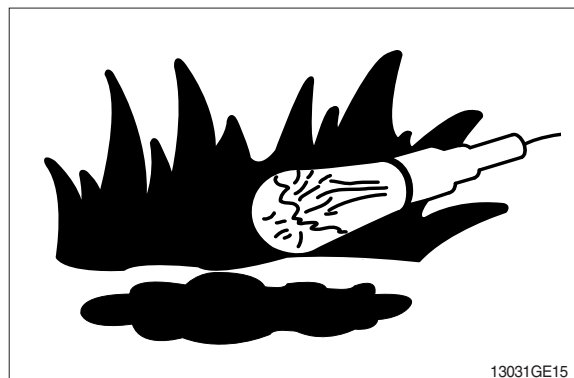
Remove paint before welding or heating:

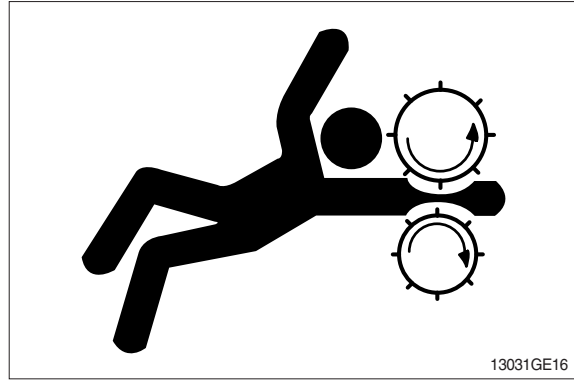
- If you sand or grind paint, avoid breathing the dust. Wear an approved respirator.
- If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes 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.

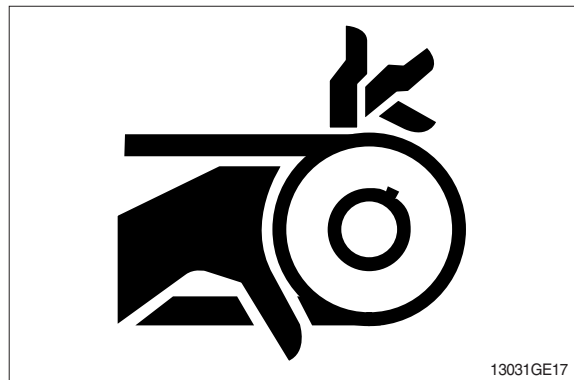




STAY CLEAR OF MOVING PARTS

Entanglements in moving parts can cause serious injury.

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



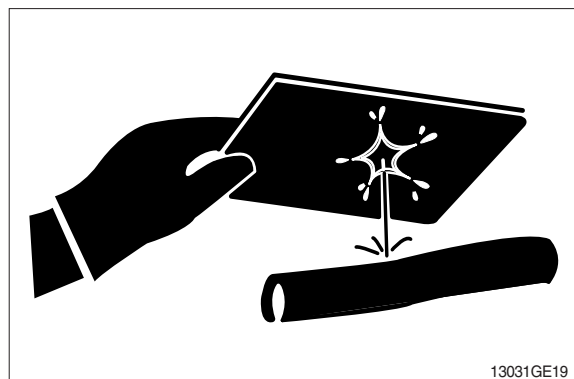
AVOID HIGH PRESSURE FLUIDS

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:

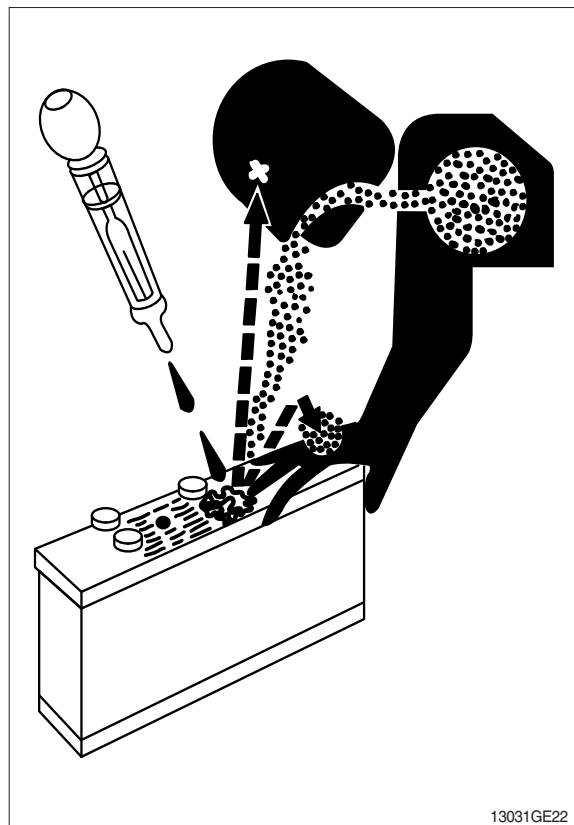
1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.
5. Use proper jump start procedure.

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.



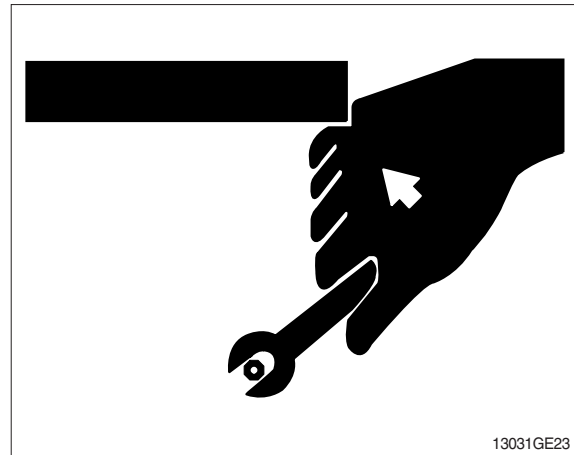
USE TOOLS PROPERLY

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.)

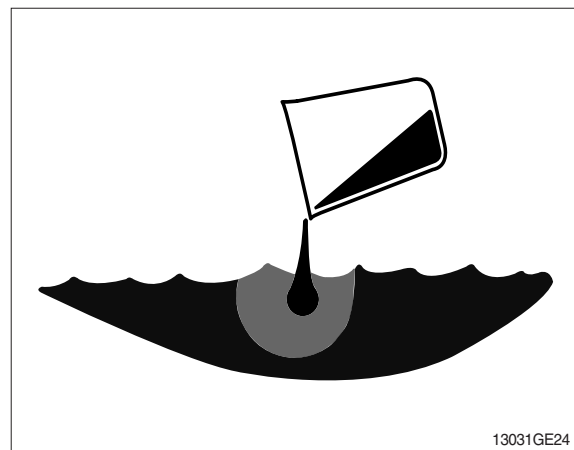


DISPOSE OF FLUIDS PROPERLY

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.

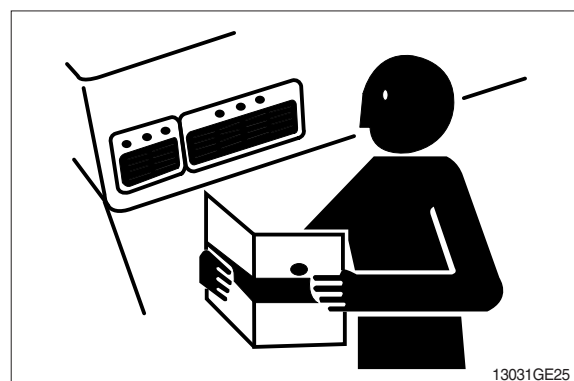
Use proper containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

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.

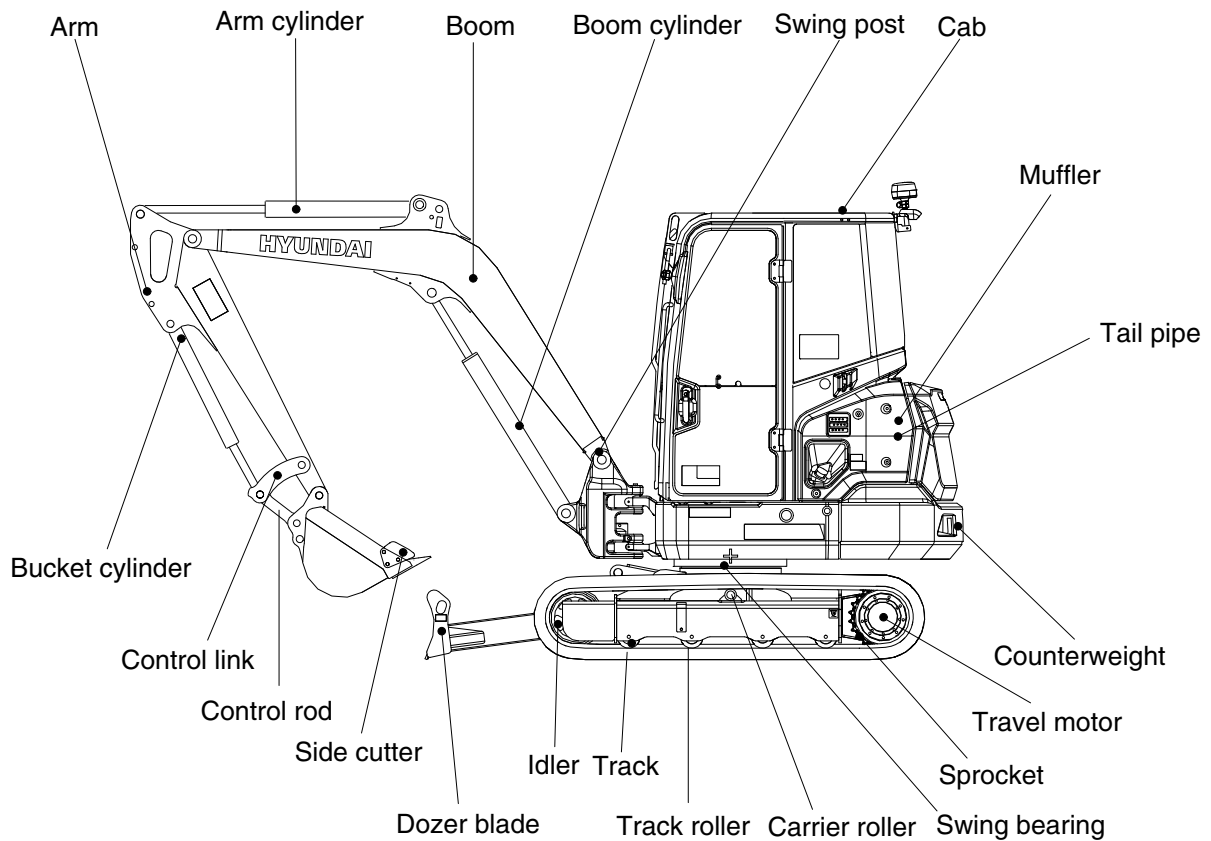
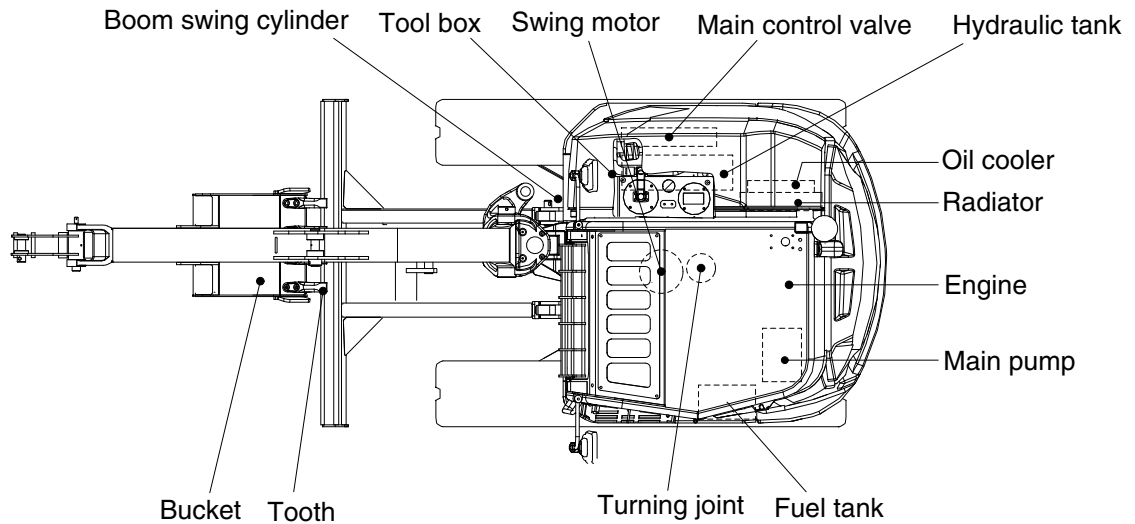


LIVE WITH SAFETY

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

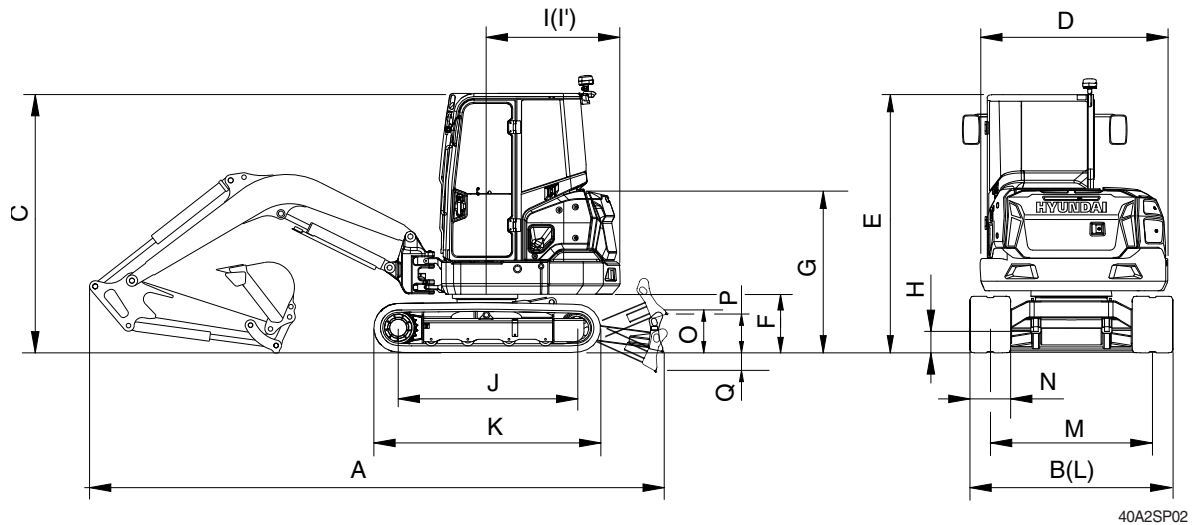


40AZ2SP01

2. SPECIFICATIONS

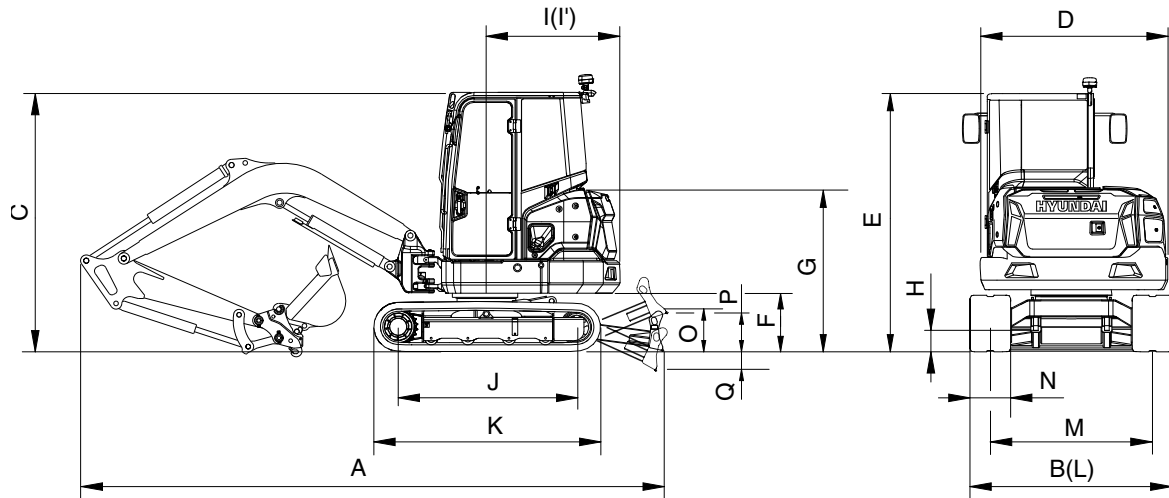
1) CAB TYPE

(1) 2.6 m (8' 6") boom, 1.6 m (5' 3") thumb bracket arm, rubber track, without quick coupler



Description		Unit	Specification
Operating weight		kg (lb)	4390 (9680)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.11 (0.14)
Overall length	A	mm (ft-in)	5425 (17' 10")
Overall width, with 350 mm shoe	B		1740 (5' 9")
Overall width, with dozer	-		1740 (5' 9")
Overall height	C		2525 (8' 3")
Overall width of upper structure	D		1700 (5' 7")
Overall height of cab	E		2525 (8' 3")
Ground clearance of counterweight	F		555 (1' 10")
Overall height of engine hood	G		1550 (5' 1")
Minimum ground clearance	H		185 (0' 7")
Rear-end distance	I		1300 (4' 3")
Rear-end swing radius	I'		1300 (4' 3")
Distance between tumblers	J		1720 (5' 8")
Undercarriage length (without grouser)	K		2185 (7' 2")
Undercarriage width	L		1740 (5' 9")
Track gauge	M		1390 (4' 7")
Track shoe width, standard	N		350 (1' 2")
Height of blade	O		380 (1' 3")
Ground clearance of blade up	P		400 (1' 4")
Depth of blade down	Q		480 (1' 7")
Travel speed (low/high)		km/hr (mph)	3.3/4.9 (2.1/3.0)
Swing speed		rpm	9.9
Gradeability		Degree (%)	35 (70)
Ground pressure		kgf/cm ² (psi)	0.34 (4.82)
Max traction force		kg (lb)	3013 (6640)

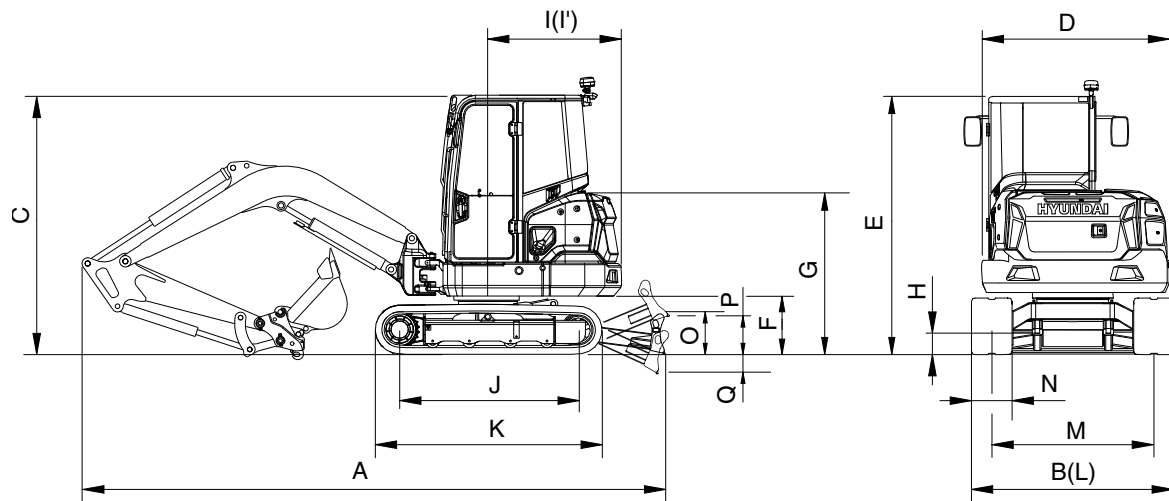
(2) 2.6 m (8' 6") boom, 1.6 m (5' 3") arm, rubber track, quick coupler



40A2SP03

Description		Unit	Specification
Operating weight		kg (lb)	4390 (9780)
Bucket capacity (SAE heaped), standard		m3 (yd3)	0.11 (0.14)
Overall length	A	mm (ft-in)	5425 (17' 10")
Overall width, with 350 mm shoe	B		1740 (5' 9")
Overall width, with dozer	-		1740 (5' 9")
Overall height	C		2525 (8' 3")
Overall width of upper structure	D		1700 (5' 7")
Overall height of cab	E		2525 (8' 3")
Ground clearance of counterweight	F		555 (1' 10")
Overall height of engine hood	G		1550 (5' 1")
Minimum ground clearance	H		185 (0' 7")
Rear-end distance	I		1300 (4' 3")
Rear-end swing radius	I'		1300 (4' 3")
Distance between tumblers	J		1720 (5' 8")
Undercarriage length (without grouser)	K		2185 (7' 2")
Undercarriage width	L		1740 (5' 9")
Track gauge	M		1390 (4' 7")
Track shoe width, standard	N		350 (1' 2")
Height of blade	O		380 (1' 3")
Ground clearance of blade up	P		400 (1' 4")
Depth of blade down	Q		480 (1' 7")
Travel speed (low/high)		km/hr (mph)	3.3/4.9 (2.1/3.0)
Swing speed		rpm	9.9
Gradeability		Degree (%)	35 (70)
Ground pressure		kgf/cm ² (psi)	0.34 (4.86)
Max traction force		kg (lb)	3013 (6640)

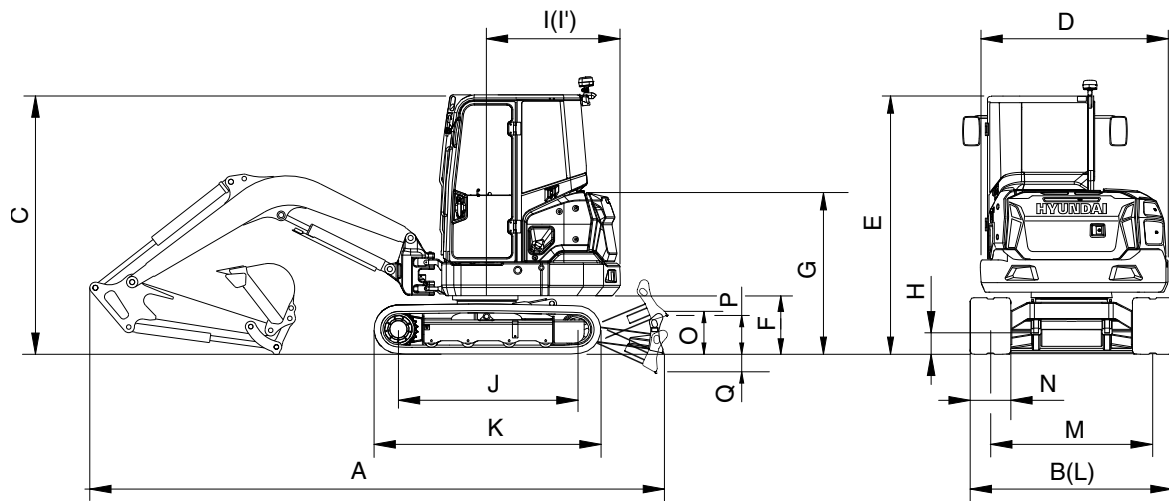
(3) 2.6 m (8' 6") boom, 1.6 m (5' 3") thumb bracket arm, rubber track, quick coupler, angle dozer



40A2SP03

Description		Unit	Specification
Operating weight		kg (lb)	4585 (10110)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.11 (0.14)
Overall length	A	mm (ft-in)	5480 (18' 0")
Overall width, with 350 mm shoe	B		1740 (5' 9")
Overall width, with dozer	-		1740 (5' 9")
Overall height	C		2525 (8' 3")
Overall width of upper structure	D		1700 (5' 7")
Overall height of cab	E		2525 (8' 3")
Ground clearance of counterweight	F		555 (1' 10")
Overall height of engine hood	G		1550 (5' 1")
Minimum ground clearance	H		185 (0' 7")
Rear-end distance	I		1300 (4' 3")
Rear-end swing radius	I'		1300 (4' 3")
Distance between tumblers	J		1720 (5' 8")
Undercarriage length (without grouser)	K		2185 (7' 2")
Undercarriage width	L		1740 (5' 9")
Track gauge	M		1390 (4' 7")
Track shoe width, standard	N		350 (1' 2")
Height of blade	O		410 (1' 4")
Ground clearance of blade up	P		360 (1' 42)
Depth of blade down	Q		525 (1' 9")
Travel speed (low/high)		km/hr (mph)	3.3/4.9 (2.1/3.0)
Swing speed		rpm	9.9
Gradeability		Degree (%)	35 (70)
Ground pressure		kgf/cm ² (psi)	0.35 (5.04)
Max traction force		kg (lb)	3013 (6640)

(4) 2.6 m (8' 6") boom, 1.6 m (5' 3") arm, rubber track, without quick coupler (europe option)

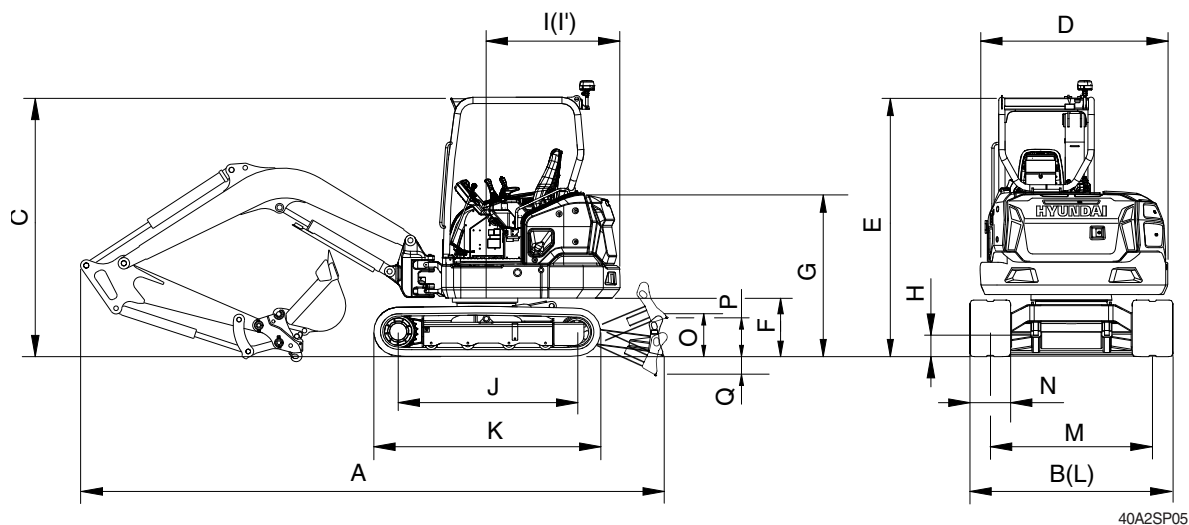


40A2SP02

Description		Unit	Specification
Operating weight		kg (lb)	4395 (9690)
Bucket capacity (SAE heaped), standard		m3 (yd3)	0.11 (0.14)
Overall length	A	mm (ft-in)	5425 (17' 10")
Overall width, with 350 mm shoe	B		1740 (5' 9")
Overall width, with dozer	-		1740 (5' 9")
Overall height	C		2525 (8' 3")
Overall width of upper structure	D		1700 (5' 7")
Overall height of cab	E		2525 (8' 3")
Ground clearance of counterweight	F		555 (1' 10")
Overall height of engine hood	G		1550 (5' 1")
Minimum ground clearance	H		185 (0' 7")
Rear-end distance	I		1300 (4' 3")
Rear-end swing radius	I'		1300 (4' 3")
Distance between tumblers	J		1720 (5' 8")
Undercarriage length (without grouser)	K		2185 (7' 2")
Undercarriage width	L		1740 (5' 9")
Track gauge	M		1390 (4' 7")
Track shoe width, standard	N		350 (1' 2")
Height of blade	O		380 (1' 3")
Ground clearance of blade up	P		400 (1' 4")
Depth of blade down	Q		480 (1' 7")
Travel speed (low/high)		km/hr (mph)	3.3/4.9 (2.1/3.0)
Swing speed		rpm	9.9
Gradeability		Degree (%)	35 (70)
Ground pressure		kgf/cm ² (psi)	0.34 (4.82)
Max traction force		kg (lb)	3013 (6640)

2) CANOPY TYPE

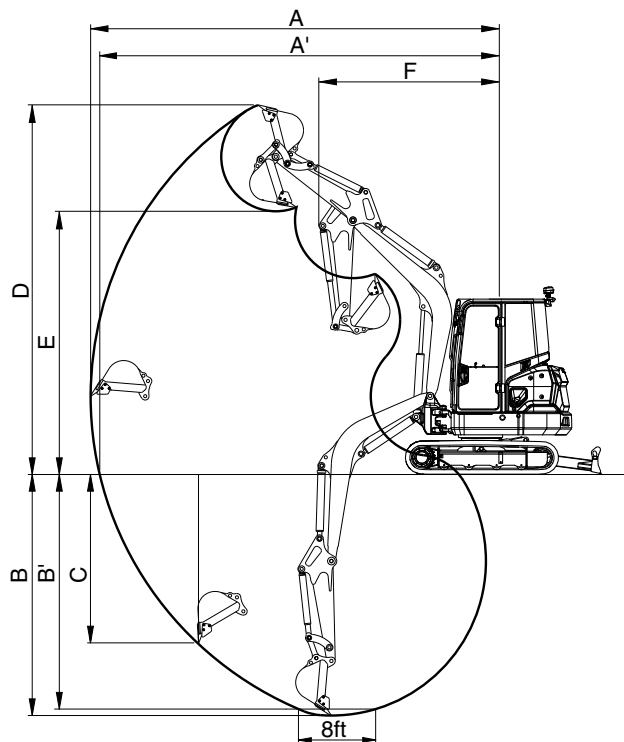
(1) 2.6 m (8' 6") boom, 1.6 m (5' 3") thumb bracket arm, rubber track, quick coupler



Description		Unit	Specification
Operating weight		kg (lb)	4280 (9440)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.11 (0.14)
Overall length	A	mm (ft-in)	5425 (17' 10")
Overall width, with 350 mm shoe	B		1740 (5' 9")
Overall width, with dozer	-		1740 (5' 9")
Overall height	C		2510 (8' 3")
Overall width of upper structure	D		1700 (5' 7")
Overall height of cab	E		2510 (8' 3")
Ground clearance of counterweight	F		555 (1' 10")
Overall height of engine hood	G		1550 (5' 1")
Minimum ground clearance	H		185 (0' 7")
Rear-end distance	I		1300 (4' 3")
Rear-end swing radius	I'		1300 (4' 3")
Distance between tumblers	J		1720 (5' 8")
Undercarriage length (without grouser)	K		2185 (7' 2")
Undercarriage width	L		1740 (5' 9")
Track gauge	M		1390 (4' 7")
Track shoe width, standard	N		350 (1' 2")
Height of blade	O		380 (1' 3")
Ground clearance of blade up	P		400 (1' 4")
Depth of blade down	Q		480 (1' 7")
Travel speed (low/high)		km/hr (mph)	3.3/4.9 (2.1/3.0)
Swing speed		rpm	9.9
Gradeability		Degree (%)	35 (70)
Ground pressure		kgf/cm ² (psi)	0.33 (4.69)
Max traction force		kg (lb)	3013 (6640)

3. WORKING RANGE

1) 2.6 m (8' 6") BOOM, WITHOUT QUICK COUPLER

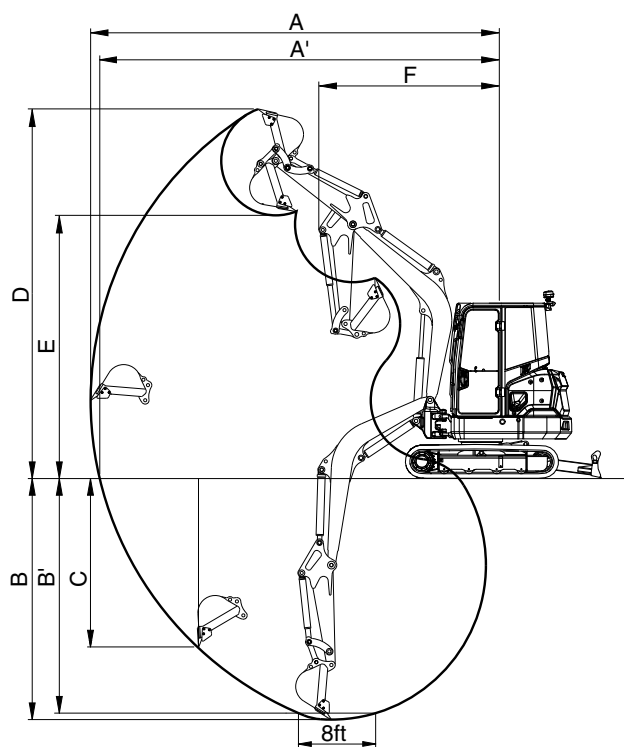


40A2SP10

Description		Unit	1.6 m (5' 3") Arm
Max digging reach	A	mm (ft-in)	5525 (18' 2")
Max digging reach on ground	A'		5390 (17' 8")
Max digging depth	B		3420 (11' 3")
Max digging depth (8ft level)	B'		3010 (9' 11")
Max vertical wall digging depth	C		2620 (8' 7")
Max digging height	D		5360 (17' 7")
Max dumping height	E		3945 (12' 11")
Min swing radius	F		2260 (7' 5")
Boom swing radius (left/right)		degree	75°/55°
Bucket digging force	SAE	kN	39 [42.8]
		kgf	3962 [4360]
		lbf	8735 [9612]
	ISO	kN	44 [48.2]
		kgf	4461 [4910]
		lbf	9835 [10825]
Arm crowd force	SAE	kN	20 [21.7]
		kgf	2005 [2210]
		lbf	4421 [4872]
	ISO	kN	20 [22.3]
		kgf	2060 [2270]
		lbf	4541 [5004]

[] : Power boost

2) 2.6 m (8' 6") BOOM, WITH QUICK COUPLER



40A2SP10

Description		Unit	1.6 m (5' 3" Arm
Max digging reach	A	mm (ft-in)	5690 (18' 8")
Max digging reach on ground	A'		5560 (18' 3")
Max digging depth	B		3590 (11' 9")
Max digging depth (8ft level)	B'		3200 (10' 6")
Max vertical wall digging depth	C		2450 (8' 0")
Max digging height	D		5530 (18' 2")
Max dumping height	E		3780 (12' 5")
Min swing radius	F		2260 (7' 5")
Boom swing radius (left/right)		degree	75°/55°
Bucket digging force	SAE	kN	33 [36.2]
		kgf	3358 [3690]
		lbf	7403 [8135]
	ISO	kN	35 [39.4]
		kgf	3653 [4020]
		lbf	8053 [8863]
Arm crowd force	SAE	kN	18 [20.1]
		kgf	1862 [2050]
		lbf	4105 [4519]
	ISO	kN	19 [20.6]
		kgf	1908 [2100]
		lbf	4206 [4630]

[] : Power boost

4. WEIGHT

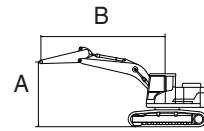
Item	kg	lb
Upperstructure assembly		
· Main frame weld assembly	605	1334
· Engine assembly (including DPF)	209	461
· Main pump assembly	16	35
· Main control valve assembly	54	119
· Swing motor assembly	39	86
· Hydraulic oil tank wa	72	159
· Fuel tank wa	11	24
· Counterweight	300	661
· Cab assembly	455	1003
Lower chassis assembly		
· Track frame weld assembly	470	1036
· Dozer blade assembly	152	335
· Angle dozer blade assembly	243	536
· Swing bearing	47	104
· Travel motor assembly	37	82
· Turning joint	26	57
· Sprocket	24	53
· Track recoil spring	34	74
· Idler	57	126
· Upper roller	5	10
· Lower roller	58	127
· Track-chain assembly-steel	442	974
· Track-chain assembly-rubber	356	785
Front attachment assembly		
· Boom assembly-2.6 m	160	353
· Arm assembly-1.6 m	87	191
· Arm assembly-1.6 m, thumb bracket	90	198
· Bucket assembly (without side cutter-500 mm)	87	191
· Bucket assembly (without side cutter-510 mm)	88	193
· Boom cylinder assembly	52	115
· Arm cylinder assembly	45	99
· Bucket cylinder assembly	24	53
· Boom swing cylinder assembly	32	71
· Dozer cylinder assy	32	71
· Bucket control linkage total	28	63











5. LIFTING CAPACITIES

1) RUBBER TRACK WITH DOZER BLADE

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outrigger	
HX40A	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Up	-	-	-

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



Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									990 2180	840 1850	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							850 1870	720 1590	730 1610	620 1370	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					*1220 *2690	1080 2380	830 1830	700 1540	640 1410	540 1190	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					1220 2690	1020 2250	800 1760	680 1500	610 1340	510 1120	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	1180 2600	970 2140	780 1720	650 1430	630 1390	530 1170	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	2260 4980	1780 3920	1160 2560	960 2120	770 1700	650 1430	720 1590	610 1340	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	*2200 *4850	1820 4010	1190 2620	980 2160			1010 2230	840 1850	3.37 (11.1)

- 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.

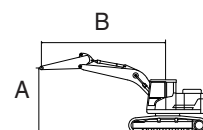
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











※ Please be aware of the local regulations and instructions for lifting operations.

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

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX40A	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Up	-	-	-

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



Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									930 2050	790 1740	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							790 1740	670 1480	680 1500	580 1280	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					1220 2690	1020 2250	770 1700	660 1460	590 1300	500 1100	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					1140 2510	950 2090	750 1650	630 1390	560 1230	480 1060	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	1090 2400	910 2010	720 1590	610 1340	580 1280	490 1080	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	2110 4650	1660 3660	1080 2380	890 1960	720 1590	600 1320	670 1480	560 1230	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	2160 4760	1700 3750	1110 2450	920 2030			940 2070	790 1740	3.37 (11.1)

- 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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※ Lifting capacities are based upon a standard machine conditions.

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



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

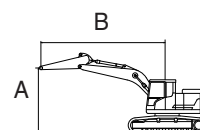
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











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

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX40A	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Down	-	-	-

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



Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									*1000 *2200	900 1980	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							*950 *2090	780 1720	*930 *2050	670 1480	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					*1220 *2690	1180 2600	*1040 *2290	760 1680	*910 *2010	590 1300	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					*1630 *3590	1110 2450	*1190 *2620	730 1610	*960 *2120	560 1230	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	*1860 *4100	1060 2340	*1280 *2820	710 1570	*1050 *2310	580 1280	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	*2800 *6170	1970 4340	*1800 *3970	1050 2310	*1200 *2650	710 1570	*1070 *2360	660 1460	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	*2200 *4850	2010 4430	*1340 *2950	1070 2360			*1050 *2310	920 2030	3.37 (11.1)

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

※ Lifting capacities are based upon a standard machine conditions.

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

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

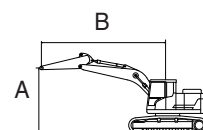
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











※ Please be aware of the local regulations and instructions for lifting operations.

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

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outrigger	
HX40A	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Down	-	-	-

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



Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									*1000 *2200	850 1870	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							*950 *2090	730 1610	*930 *2050	630 1390	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					*1220 *2690	1110 2450	*1040 *2290	710 1570	*910 *2010	550 1210	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					*1630 *3590	1030 2270	*1190 *2620	680 1500	*960 *2120	520 1150	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	*1860 *4100	990 2180	*1280 *2820	660 1460	*1050 *2310	540 1190	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	*2800 *6170	1840 4060	*1800 *3970	980 2160	*1200 *2650	660 1460	*1070 *2360	610 1340	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	*2200 *4850	1880 4140	*1340 *2950	1000 2200			*1050 *2310	850 1870	3.37 (11.1)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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



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

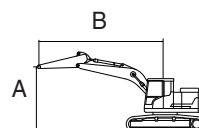
※ Please be aware of the local regulations and instructions for lifting operations.











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

2) RUBBER TRACK WITH ANGLE DOZER BLADE

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outrigger	
HX40A	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Up	-	-	-

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



Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									970 2140	860 1900	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							830 1830	740 1630	720 1590	640 1410	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					*1220 *2690	1110 2450	810 1790	720 1590	630 1390	560 1230	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					1200 2650	1040 2290	790 1740	690 1520	600 1320	530 1170	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	1150 2540	1000 2200	760 1680	670 1480	620 1370	550 1210	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	2220 4890	1830 4030	1140 2510	990 2180	760 1680	670 1480	710 1570	620 1370	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	*2200 *4850	1870 4120	1170 2580	1010 2230			990 2180	860 1900	3.37 (11.1)

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

※ Lifting capacities are based upon a standard machine conditions.

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



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

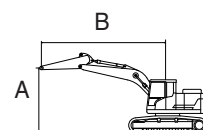
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











※ Please be aware of the local regulations and instructions for lifting operations.

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

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX40A	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Up	-	-	-

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



Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									910 2010	810 1790	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							780 1720	690 1520	670 1480	600 1320	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					1190 2620	1050 2310	760 1680	680 1500	580 1280	520 1150	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					1120 2470	980 2160	730 1610	650 1430	550 1210	490 1080	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	1070 2360	930 2050	710 1570	630 1390	570 1260	510 1120	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	2070 4560	1710 3770	1060 2340	920 2030	700 1540	620 1370	660 1460	580 1280	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	2120 4670	1750 3860	1090 2400	940 2070			920 2030	810 1790	3.37 (11.1)

Note 1. Lifting capacity are based on ISO 10567.

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

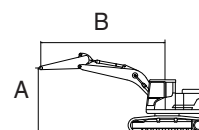
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











※ Please be aware of the local regulations and instructions for lifting operations.

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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX40A	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Down	-	-	-

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



Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									*1000 *2200	920 2030	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							*950 *2090	790 1740	*930 *2050	690 1520	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					*1220 *2690	1200 2650	*1040 *2290	780 1720	*910 *2010	600 1320	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					*1630 *3590	1130 2490	*1190 *2620	750 1650	*960 *2120	570 1260	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	*1860 *4100	1080 2380	*1280 *2820	730 1610	*1050 *2310	590 1300	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	*2800 *6170	2010 4430	*1800 *3970	1070 2360	*1200 *2650	720 1590	*1070 *2360	670 1480	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	*2200 *4850	2050 4520	*1340 *2950	1090 2400			*1050 *2310	940 2070	3.37 (11.1)

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

※ Lifting capacities are based upon a standard machine conditions.

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



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

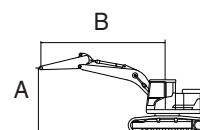
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











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

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX40A	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Down	-	-	-

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



Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									*1000 *2200	870 1920	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							*950 *2090	750 1650	*930 *2050	650 1430	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					*1220 *2690	1130 2490	*1040 *2290	730 1610	*910 *2010	560 1230	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					*1630 *3590	1060 2340	*1190 *2620	700 1540	*960 *2120	530 1170	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	*1860 *4100	1010 2230	*1280 *2820	680 1500	*1050 *2310	550 1210	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	*2800 *6170	1880 4140	*1800 *3970	1000 2200	*1200 *2650	670 1480	*1070 *2360	630 1390	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	*2200 *4850	1920 4230	*1340 *2950	1020 2250			*1050 *2310	880 1940	3.37 (11.1)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

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

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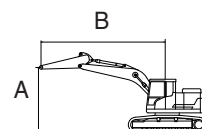
※ Please be aware of the local regulations and instructions for lifting operations.











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

3) STEEL TRACK WITH DOZER BLADE

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outrigger	
HX40A	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Up	-	-	-

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



Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									980 2160	830 1830	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							840 1850	720 1590	730 1610	620 1370	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					*1220 *2690	1080 2380	820 1810	700 1540	630 1390	540 1190	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					1210 2670	1010 2230	790 1740	670 1480	600 1320	510 1120	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	1160 2560	960 2120	770 1700	650 1430	620 1370	530 1170	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	2210 4870	1750 3860	1150 2540	950 2090	760 1680	650 1430	710 1570	600 1320	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	*2200 *4850	1790 3950	1170 2580	970 2140			1000 2200	840 1850	3.37 (11.1)

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

※ Lifting capacities are based upon a standard machine conditions.

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



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

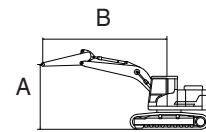
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※ Please be aware of the local regulations and instructions for lifting operations.

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

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outrigger	
HX40A	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Up	-	-	-

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



Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									920 2030	780 1720	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							780 1720	670 1480	680 1500	580 1280	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					1200 2650	1010 2230	770 1700	650 1430	590 1300	500 1100	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					1130 2490	940 2070	740 1630	630 1390	560 1230	480 1060	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	1080 2380	900 1980	720 1590	600 1320	580 1280	490 1080	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	2070 4560	1640 3620	1070 2360	890 1960	710 1570	600 1320	660 1460	560 1230	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	2110 4650	1680 3700	1090 2400	910 2010			930 2050	780 1720	3.37 (11.1)

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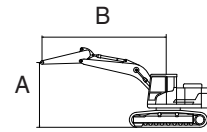
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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX40A	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Down	-	-	-

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Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									*1000 *2200	910 2010	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							*950 *2090	780 1720	*930 *2050	680 1500	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					*1220 *2690	1180 2600	*1040 *2290	760 1680	*910 *2010	590 1300	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					*1630 *3590	1110 2450	*1190 *2620	730 1610	*960 *2120	560 1230	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	*1860 *4100	1060 2340	*1280 *2820	710 1570	*1050 *2310	580 1280	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	*2800 *6170	1970 4340	*1800 *3970	1050 2310	*1200 *2650	710 1570	*1070 *2360	660 1460	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	*2200 *4850	2010 4430	*1340 *2950	1070 2360			*1050 *2310	920 2030	3.37 (11.1)

Note 1. Lifting capacity are based on ISO 10567.

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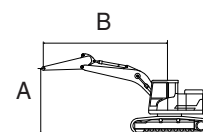
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▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outrigger	
HX40A	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Down	-	-	-

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



Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									*1000 *2200	870 1920	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							*950 *2090	750 1650	*930 *2050	650 1430	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					*1220 *2690	1130 2490	*1040 *2290	730 1610	*910 *2010	560 1230	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					*1630 *3590	1060 2340	*1190 *2620	700 1540	*960 *2120	540 1190	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	*1860 *4100	1020 2250	*1280 *2820	680 1500	*1050 *2310	550 1210	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	*2800 *6170	1880 4140	*1800 *3970	1000 2200	*1200 *2650	680 1500	*1070 *2360	630 1390	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	*2200 *4850	1920 4230	*1340 *2950	1030 2270			*1050 *2310	880 1940	3.37 (11.1)

- Note
1. Lifting capacity are based on ISO 10567.
 2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
 3. The lift-point is bucket pivot mounting pin on the arm (without bucket mass).
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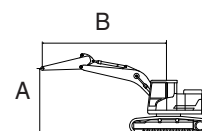
※ Please be aware of the local regulations and instructions for lifting operations.











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4) STEEL TRACK WITH ANGLE DOZER BLADE

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outrigger	
HX40A	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Up	-	-	-

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



Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									960 2120	850 1870	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							820 1810	730 1610	710 1570	640 1410	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					*1220 *2690	1100 2430	810 1790	720 1590	620 1370	550 1210	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					1180 2600	1030 2270	780 1720	690 1520	590 1300	530 1170	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	1140 2510	990 2180	750 1650	670 1480	610 1340	540 1190	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	2170 4780	1800 3970	1130 2490	980 2160	750 1650	660 1460	700 1540	620 1370	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	*2200 *4850	1840 4060	1150 2540	1000 2200			980 2160	860 1900	3.37 (11.1)

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



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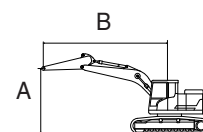
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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outrigger	
HX40A	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Up	-	-	-

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



Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									900 1980	800 1760	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							770 1700	690 1520	670 1480	600 1320	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					1180 2600	1040 2290	750 1650	670 1480	580 1280	520 1150	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					1110 2450	970 2140	720 1590	640 1410	550 1210	490 1080	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	1060 2340	920 2030	700 1540	620 1370	570 1260	510 1120	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	2030 4480	1680 3700	1050 2310	910 2010	700 1540	620 1370	650 1430	580 1280	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	2070 4560	1720 3790	1070 2360	940 2070			910 2010	800 1760	3.37 (11.1)

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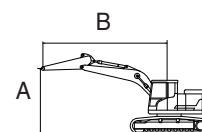
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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outrigger	
HX40A	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Down	-	-	-

 : Rating over-front
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Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									*1000 *2200	920 2030	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							*950 *2090	800 1760	*930 *2050	690 1520	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					*1220 *2690	1200 2650	*1040 *2290	780 1720	*910 *2010	600 1320	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					*1630 *3590	1130 2490	*1190 *2620	750 1650	*960 *2120	570 1260	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	*1860 *4100	1080 2380	*1280 *2820	730 1610	*1050 *2310	590 1300	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	*2800 *6170	2000 4410	*1800 *3970	1070 2360	*1200 *2650	720 1590	*1070 *2360	680 1500	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	*2200 *4850	2050 4520	*1340 *2950	1100 2430			*1050 *2310	940 2070	3.37 (11.1)

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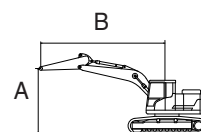
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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX40A	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2600	1600	300	350	-	Down	-	-	-

 : Rating over-front
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Load point height (A)		Load radius (B)								At max. reach		
		1.0 m (3.3 ft)		2.0 m (6.6 ft)		3.0 m (9.8 ft)		4.0 m (13.1 ft)		Capacity		Reach
												m (ft)
4.0 m (13.1 ft)	kg lb									*1000 *2200	870 1920	3.62 (11.9)
3.0 m (9.8 ft)	kg lb							*950 *2090	750 1650	*930 *2050	650 1430	4.35 (14.3)
2.0 m (6.6 ft)	kg lb					*1220 *2690	1130 2490	*1040 *2290	730 1610	*910 *2010	560 1230	4.72 (15.5)
1.0 m (3.3 ft)	kg lb					*1630 *3590	1060 2340	*1190 *2620	700 1540	*960 *2120	540 1190	4.81 (15.8)
Ground Line	kg lb			*1480 *3260	*1480 *3260	*1860 *4100	1020 2250	*1280 *2820	680 1500	*1050 *2310	550 1210	4.66 (15.3)
-1.0 m (-3.3 ft)	kg lb	*1680 *3700	*1680 *3700	*2800 *6170	1880 4140	*1800 *3970	1000 2200	*1200 *2650	680 1500	*1070 *2360	630 1390	4.22 (13.8)
-2.0 m (-6.6 ft)	kg lb	*3070 *6770	*3070 *6770	*2200 *4850	1920 4230	*1340 *2950	1030 2270			*1050 *2310	880 1940	3.37 (11.1)

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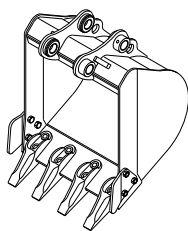
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6. BUCKET SELECTION GUIDE



0.11 m³
SAE heaped bucket

Capacity		Width		Weight	Recommendation
					2.6 m (8' 6") boom
SAE heaped	CECE heaped	Without side cutter	With side cutter		1.6 m (5' 3") arm
0.11 m ³ (0.14 yd ³)	0.09 m ³ (0.12 yd ³)	500 mm (19.7")	610 mm (24.0")	87 kg (192 lb)	●
0.11 m ³ (0.14 yd ³)	0.09 m ³ (0.12 yd ³)	510 mm (20.1")	610 mm (24.0")	88 kg (194 lb)	●

● Applicable for materials with density of 2100 kg/m³ (3500 lb/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.

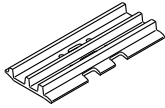
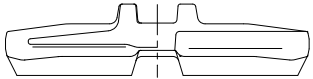
Consult with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom-arm-bucket combination.

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 double grousers.

2) TYPES OF SHOES

Model	Shapes		Steel triple grouser	Rubber track
				
HX40A	Shoe width	mm (in)	350 (14")	350 (14")
	Operating weight	kg (lb)	4480 (9880)	4390 (9680)
	Ground pressure	kgf/cm ² (psi)	0.35 (4.96)	0.34 (4.82)
	Overall width	mm (ft-in)	1740 (5' 9")	1740 (5' 9")

3) NUMBER OF ROLLERS AND SHOES ON EACH SIDE

Item	Quantity
Carrier rollers	1 EA
Track rollers	4 EA
Track shoes (steel grouser)	45 EA

8. SPECIFICATIONS FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Model	Yanmar 4TNV88C-PHYB
Type	Water cooled 4-cycle, diesel engine
Cooling method	Water cooling
Number of cylinders and arrangement	4 cylinders, in-line
Firing order	1-3-4-2
Combustion chamber type	Direct Injection
Cylinder bore × stroke	88 × 90 mm (3.15" × 3.54")
Piston displacement	2190 cc (134 cu in)
Compression ratio	-
Rated gross horse power (SAE J1995)	39.0 hp (29.1 kW)
Rated net horse power (SAE J1995)	37.7 hp (28.1 kW)
Maximum torque	14.8 kgf · m (106.9 lbf · ft)
Engine oil quantity	7.4 ℓ (1.95 U.S. gal)
Dry weight	209 kg (461 lb)
Starting motor	12V-2.3 kW
Alternator	12V-55 A

2) MAIN PUMP

Item	Specification
Type	AL A10V O 45LA7DS (Load Sensing System)
Capacity	45 cc/rev
Maximum pressure	280 kgf/cm ² (3983 psi)
Rated oil flow	99 ℓ /min (26.1 U.S. gpm / 21.8 U.K. gpm)
Rated speed	2200 rpm

3) MAIN CONTROL VALVE

Item	Specification
Type	Sectional, 10 spools
Operating method	Hydraulic pilot system
Main relief valve pressure	254 kgf/cm ² (3613 psi)
Overload relief valve pressure	275 kgf/cm ² (3912 psi)

4) SWING MOTOR

Item	Specification
Type	Fixed displacement axial piston motor
Capacity	23 cc/rev
Relief pressure	210 kgf/cm ² (2990 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	1393 kgf · m (10076 lbf · ft)
Brake release pressure	20~65 kgf/cm ² (284~925 psi)
Reduction gear type	2 - stage planetary

5) TRAVEL MOTOR

Item	Specification
Type	Two fixed displacement axial piston motor
Capacity	22.9/14.6 cc/rev
Relief pressure	230 kgf/cm ² (3270 psi)
Reduction gear type	2-stage planetary
Braking system	Automatic, spring applied hydraulic released
Brake release pressure	9.7 kgf/cm ² (138 psi)
Braking torque	4.9 kgf · m (71.6 lbf · ft)

6) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	Ø 90 × Ø 50 × 648 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Rod dia × Stroke	Ø 85 × Ø 50 × 550 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Rod dia × Stroke	Ø 80 × Ø 45 × 520 mm
	Cushion	-
Boom swing cylinder	Bore dia × Rod dia × Stroke	Ø 80 × Ø 50 × 525 mm
	Cushion	-
Dozer cylinder	Bore dia × Rod dia × Stroke	Ø 95 × Ø 50 × 191 mm
	Cushion	-
Angle dozer cylinder	Bore dia × Rod dia × Stroke	Ø 100 × Ø 45 × 185 mm
	Cushion	-
Angle swing cylinder	Bore dia × Rod dia × Stroke	Ø 55 × Ø 30 × 331 mm
	Cushion	-

※ 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.

7) BUCKET

Item	Capacity		Tooth quantity	Width	
	SAE heaped	CECE heaped		Without side cutter	With side cutter
STD	0.11 m ³ (0.14 yd ³)	0.09 m ³ (0.12 yd ³)	4	500 mm (19.7")	610 mm (24.0")
STD (europe)	0.11 m ³ (0.14 yd ³)	0.09 m ³ (0.12 yd ³)	4	510 mm (20.1")	610 mm (24.0")

9. RECOMMENDED OILS

HD Hyundai Construction Equipment genuine lubricating oils have been developed to offer the best performance and service life for your equipment. These oils have been tested according to the specifications of HD Hyundai Construction Equipment and, therefore, will meet the highest safety and quality requirements.

We recommend that you use only HD Hyundai Construction Equipment genuine lubricating oils and grease officially approved by HD Hyundai Construction Equipment.

Service point	Kind of fluid	Capacity ℓ (U.S. gal)	Ambient temperature°C (°F)							
			-50 (-58)	-30 (-22)	-20 (-4)	-10 (14)	0 (32)	10 (50)	20 (68)	30 (86)
Engine oil pan	Engine oil	7.4 (2.0)	★SAE 5W-40							
			SAE 30							
			SAE 10W							
			SAE 10W-30							
			SAE 15W-40							
Final drive	Gear oil	0.6×2 (0.16×2)	★SAE 75W-90							
			SAE 85W-140							
Hydraulic tank	Hydraulic oil	Tank: 42.5 (11.2) System: 78 (20.6)	★ISO VG 15							
			ISO VG 46							
			ISO VG 68							
Fuel tank	Diesel fuel★ ¹	66.8(17.6)	★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	10.2 (2.7)	Ethylene glycol base permanent type (50 : 50)							
			★Ethylene glycol base permanent type (60 : 40)							

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

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

※ For HD Hyundai Construction Equipment genuine lubricating oils and grease for use in regions with extremely low temperatures, please contact your local HD Hyundai Construction Equipment dealer.

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 : Ultra low sulfur diesel

- sulfur content ≤ 10 ppm

★² : Soft water

City water or distilled water