

SECTION 1 GENERAL



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SECTION 1 GENERAL

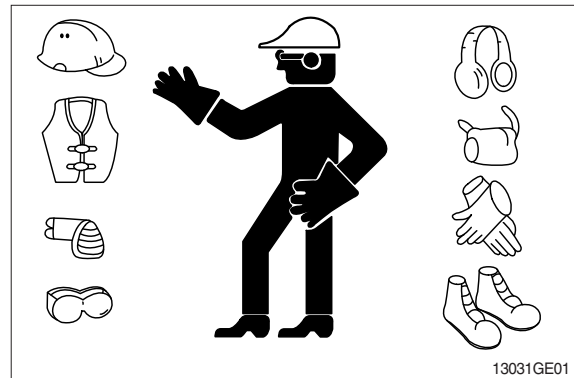
GROUP 1 SAFETY

FOLLOW SAFE PROCEDURE

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

WEAR PROTECTIVE CLOTHING

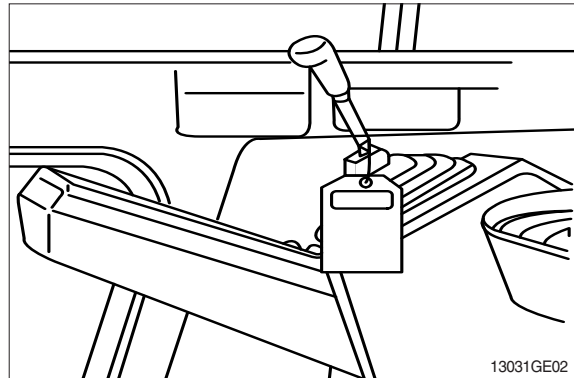
Wear close fitting clothing and safety equipment appropriate to the job.



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.



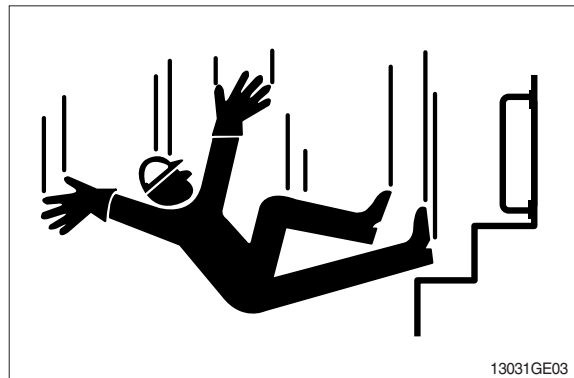
USE HANDHOLDS AND STEPS

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.

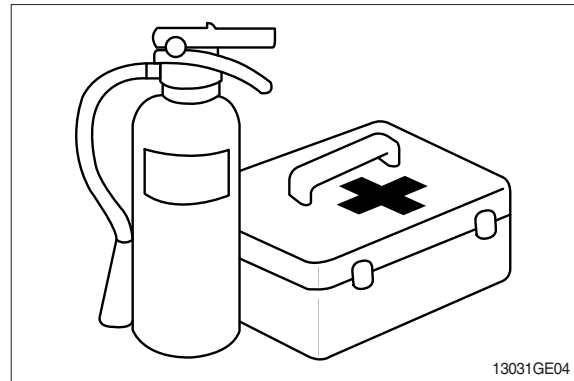


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

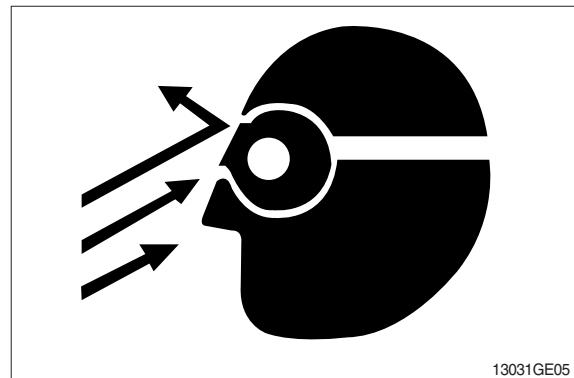
Keep a first aid kit and fire extinguisher handy.

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



PROTECT AGAINST FLYING DEBRIS

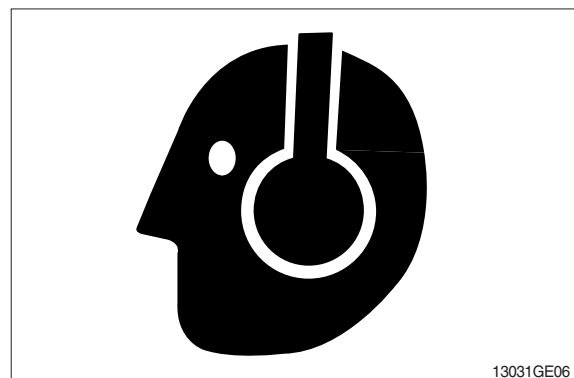
Guard against injury from flying pieces of metal or debris; Wear goggles or safety glasses.



PROTECT AGAINST NOISE

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

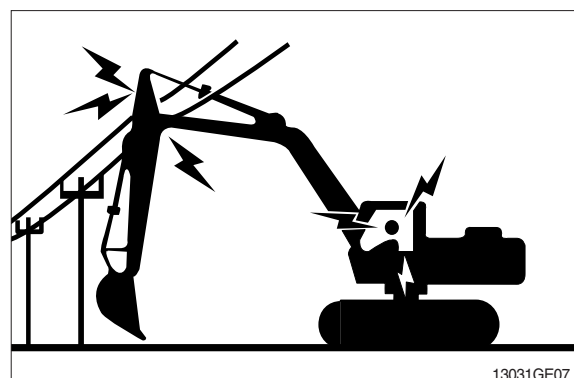
Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



AVOID POWER LINES

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

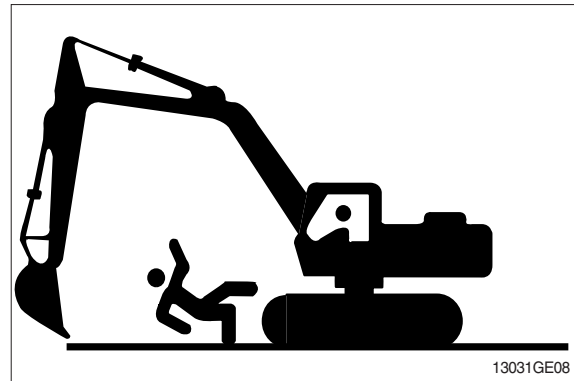
Never move any part of the machine or load closer to electric line than 3m(10ft) plus twice the line insulator length.



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.

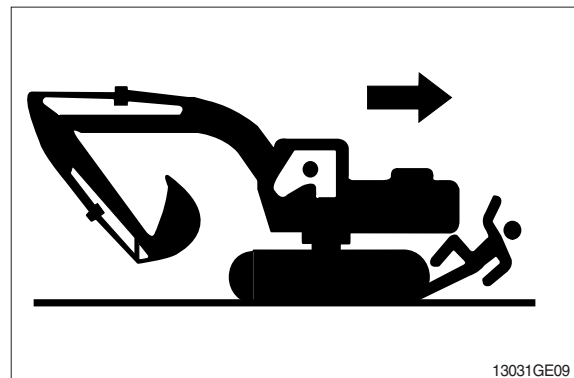


MOVE AND OPERATE MACHINE SAFELY

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:

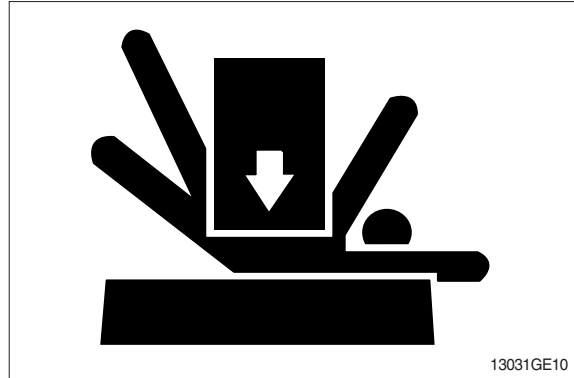
- Park machine on a level surface.
- Lower bucket to the ground.
- Turn auto idle switch off.
- Run engine at low idle speed without load for 5 minutes.
- Turn key switch to OFF to stop engine. Remove key from switch.
- Place safety lever to locked position.
- Allow engine to cool.

SUPPORT MACHINE PROPERLY

Always lower the attachment or implement to the ground before you work on the machine. If you must work on a lifted machine or attachment, securely support the machine or attachment.

Do not support the machine on cinder blocks, hollow tiles, or props that may crumble under continuous load.

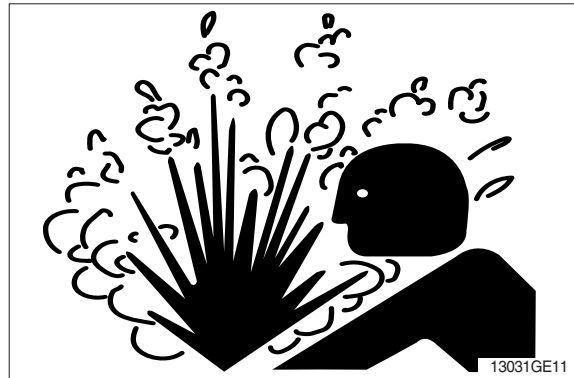
Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.



SERVICE COOLING SYSTEM SAFELY

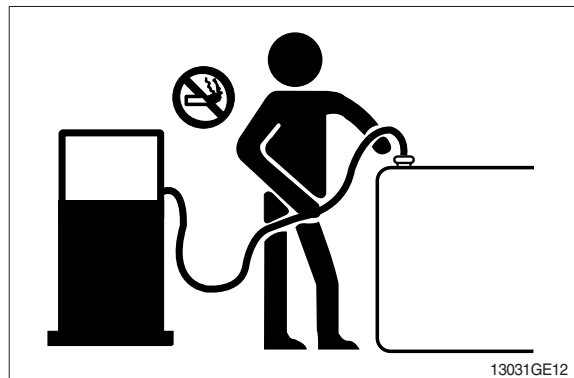
Explosive release of fluids from pressurized cooling system can cause serious burns.

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



HANDLE FLUIDS SAFELY-AVOID FIRES

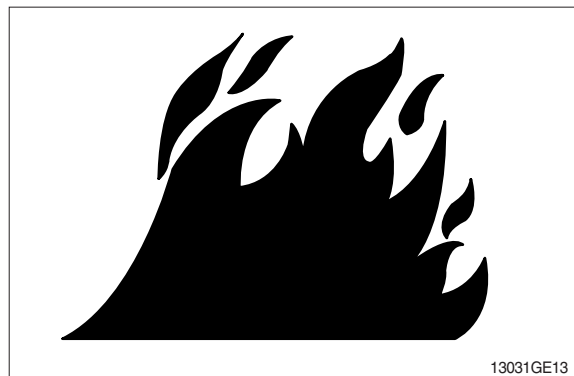
Handle fuel with care; It is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks. Always stop engine before refueling machine. Fill fuel tank outdoors.



Store flammable fluids away from fire hazards. Do not incinerate or puncture pressurized containers.

Make sure machine is clean of trash, grease, and debris.

Do not store oily rags; They can ignite and burn spontaneously.



BEWARE OF EXHAUST FUMES

Prevent asphyxiation. Engine exhaust fumes can cause sickness or death.

If you must operate in a building, be positive there is adequate ventilation. Either use an exhaust pipe extension to remove the exhaust fumes or open doors and windows to bring enough outside air into the area.

REMOVE PAINT BEFORE WELDING OR HEATING

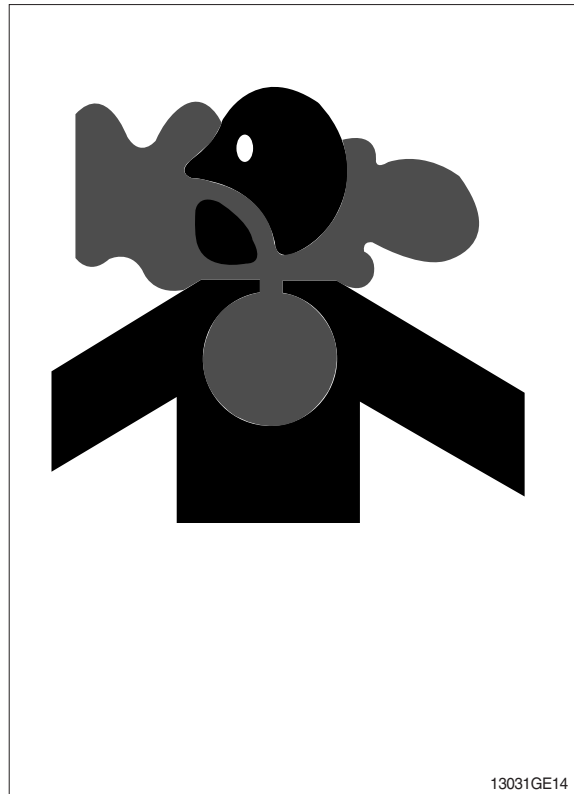
Avoid potentially toxic fumes and dust.

Hazardous fumes can be generated when paint is heated by welding, soldering, or using a torch.

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

Remove paint before welding or heating:

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



ILLUMINATE WORK AREA SAFELY

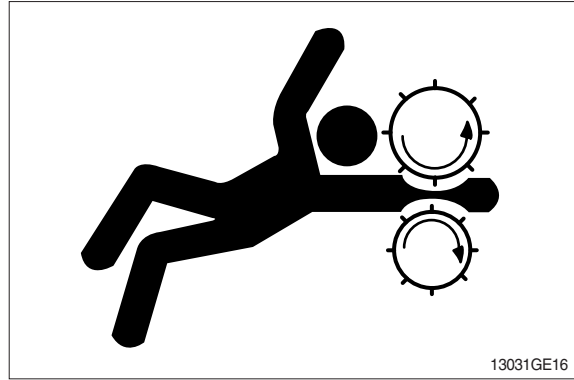
Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.



SERVICE MACHINE SAFELY

Tie long hair behind your head. Do not wear a necktie, scarf, loose clothing or necklace when you work near machine tools or moving parts. If these items were to get caught, severe injury could result.

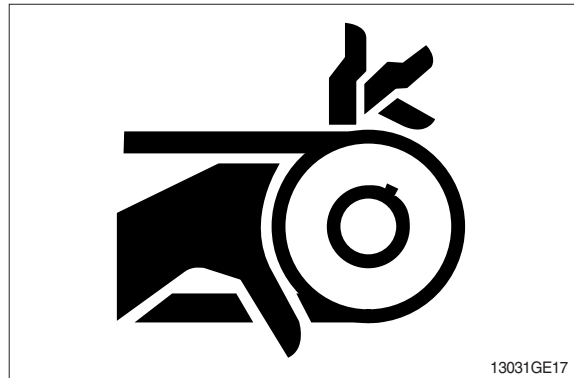
Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



STAY CLEAR OF MOVING PARTS

Entanglements in moving parts can cause serious injury.

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



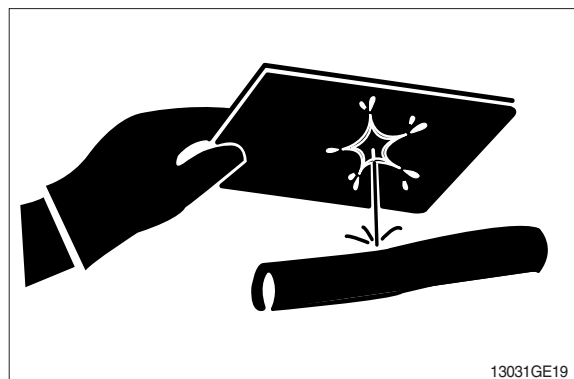
AVOID HIGH PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury.

Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.

Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result.



AVOID HEATING NEAR PRESSURIZED FLUID LINES

Flammable spray can be generated by heating near pressurized fluid lines, resulting in severe burns to yourself and bystanders. Do not heat by welding, soldering, or using a torch near pressurized fluid lines or other flammable materials.

Pressurized lines can be accidentally cut when heat goes beyond the immediate flame area. Install fire resisting guards to protect hoses or other materials.



PREVENT BATTERY EXPLOSIONS

Keep sparks, lighted matches, and flame away from the top of battery. Battery gas can explode.

Never check battery charge by placing a metal object across the posts. Use a volt-meter or hydrometer.

Do not charge a frozen battery; It may explode. Warm battery to 16 °C (60 °F).



PREVENT ACID BURNS

Sulfuric acid in battery electrolyte is poisonous. It is strong enough to burn skin, eat holes in clothing, and cause blindness if splashed into eyes.

Avoid the hazard by:

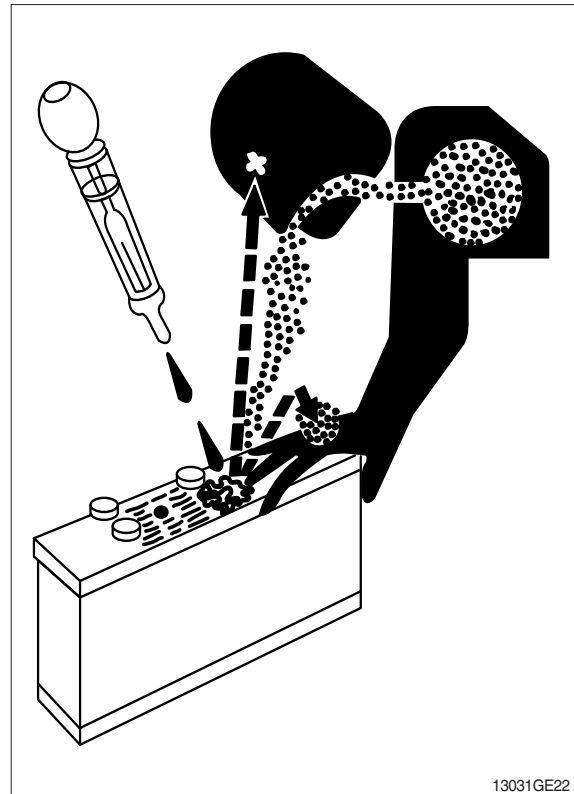
1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.
5. Use proper jump start procedure.

If you spill acid on yourself:

1. Flush your skin with water.
2. Apply baking soda or lime to help neutralize the acid.
3. Flush your eyes with water for 10-15 minutes. Get medical attention immediately.

If acid is swallowed:

1. Drink large amounts of water or milk.
2. Then drink milk of magnesia, beaten eggs, or vegetable oil.
3. Get medical attention immediately.



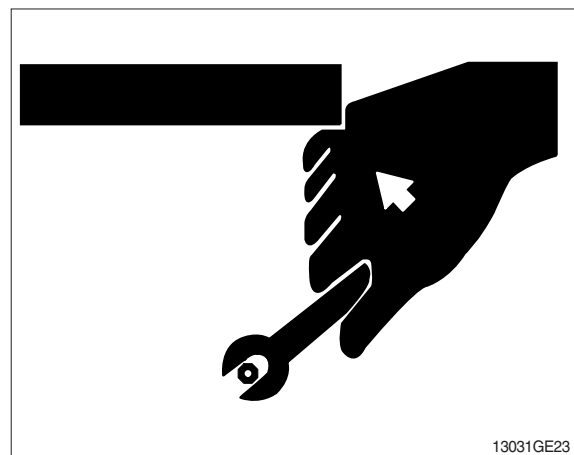
USE TOOLS PROPERLY

Use tools appropriate to the work. Makeshift tools, parts, and procedures can create safety hazards.

Use power tools only to loosen threaded tools and fasteners.

For loosening and tightening hardware, use the correct size tools. DO NOT use U.S. measurement tools on metric fasteners. Avoid bodily injury caused by slipping wrenches.

Use only recommended replacement parts. (See Parts manual.)

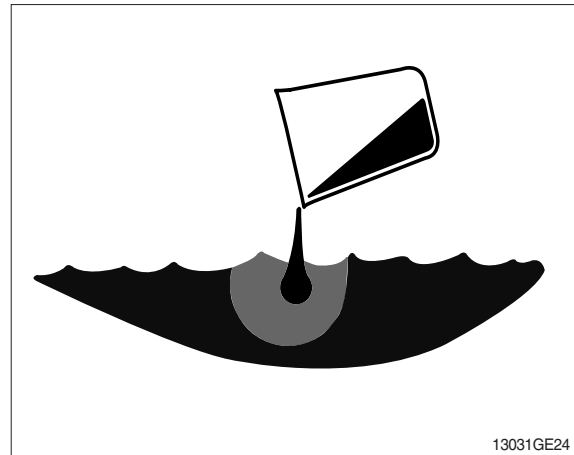


DISPOSE OF FLUIDS PROPERLY

Improperly disposing of fluids can harm the environment and ecology. Before draining any fluids, find out the proper way to dispose of waste from your local environmental agency.

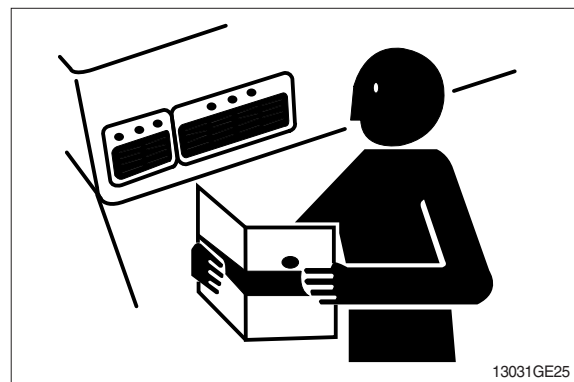
Use proper containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

DO NOT pour oil into the ground, down a drain, or into a stream, pond, or lake. Observe relevant environmental protection regulations when disposing of oil, fuel, coolant, brake fluid, filters, batteries, and other harmful waste.



REPLACE SAFETY LABELS

Replace missing or damaged safety labels. See the machine operator's manual for correct safety label placement.

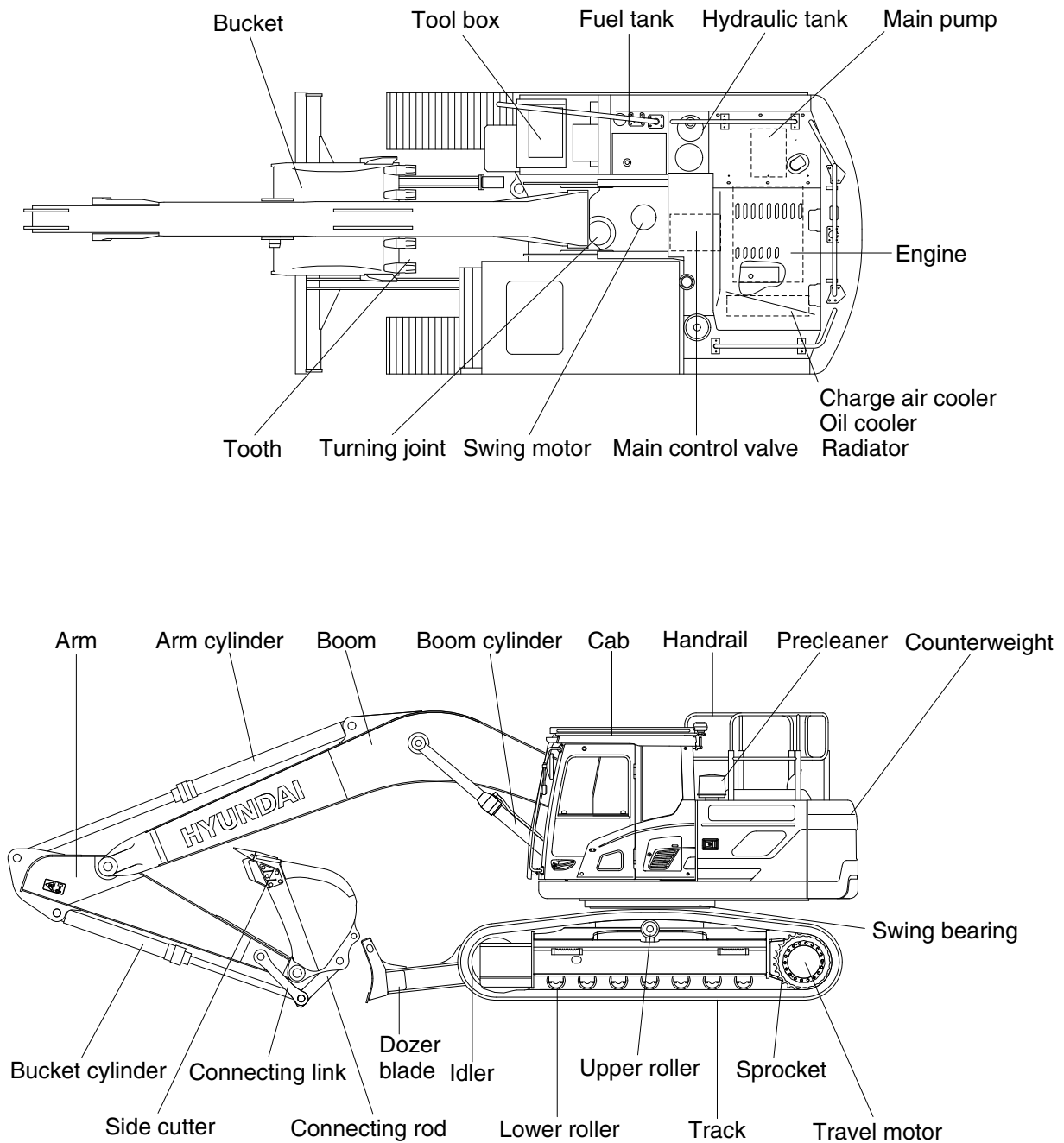


LIVE WITH SAFETY

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

GROUP 2 SPECIFICATIONS

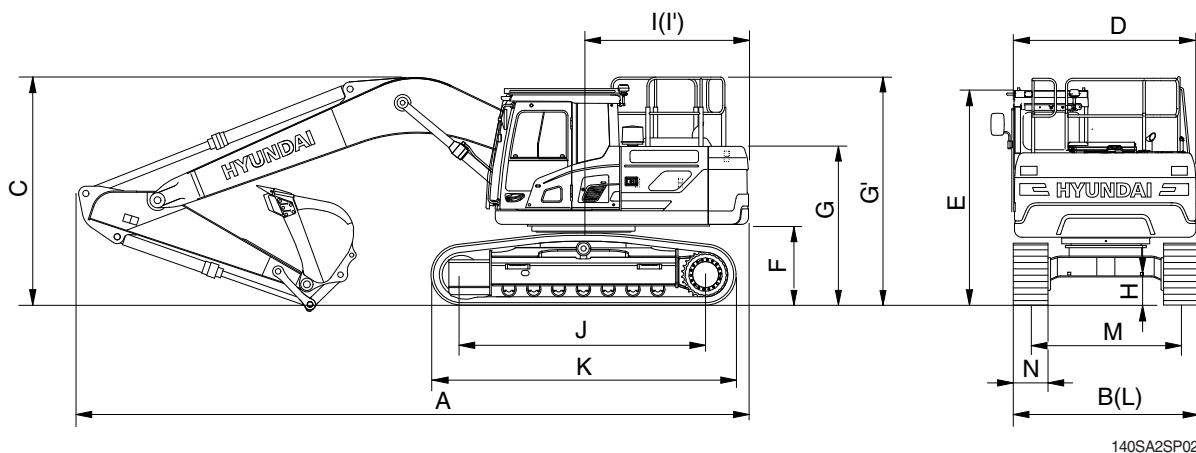
1. MAJOR COMPONENT



140SA2SP01

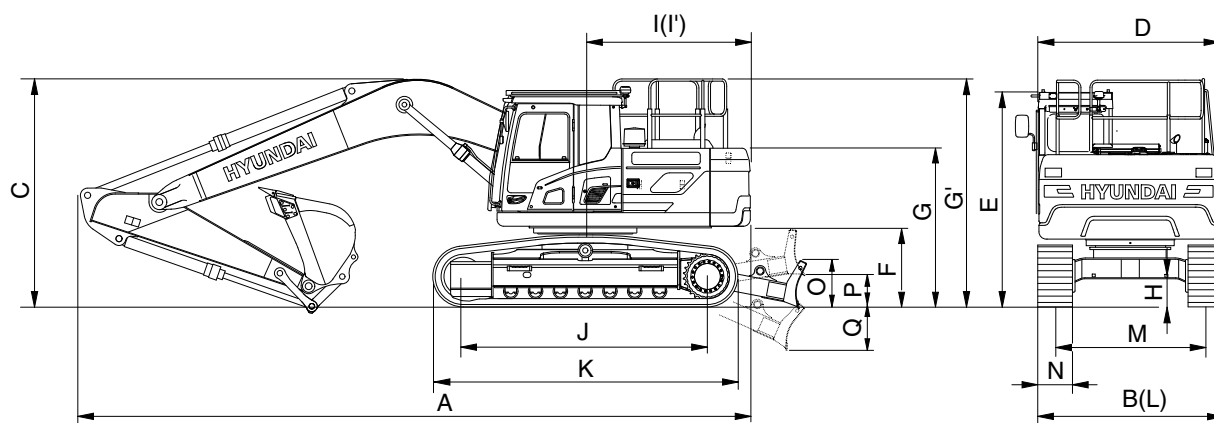
2. SPECIFICATIONS

1) HX140 LT3, MONO BOOM



Description	Unit		Specification	
	m (ft-in)	Boom	4.6 (15' 1")	
		Arm	2.50 (8' 2")	3.00 (9' 10")
	mm (in)	Shoe	600 (24")	
Operating weight	m ³ (yd ³)		14325 (31580)	14355 (31650)
Bucket capacity (SAE heaped), standard	kg (lb)		0.52 (0.68)	0.52 (0.68)
Overall length	A	mm (ft-in)	8135 (26' 8")	8100 (26' 7")
Overall width	B		2590 (8' 6")	2590 (8' 6")
Overall width with add footboard	B'		2590 (8' 6")	2590 (8' 6")
Overall height of boom	C		2730 (8' 11")	3160 (10' 4")
Overall width of upper structure	D		2475 (8' 1")	2475 (8' 1")
Overall height of cab	E		2835 (9' 4")	2835 (9' 4")
Ground clearance of counterweight	F		905 (3' 0")	905 (3' 0")
Overall height of engine hood	G		2220 (7' 3")	2220 (7' 3")
Overall height of handrail	G'		2925 (9' 7")	2925 (9' 7")
Minimum ground clearance	H		405 (1' 4")	405 (1' 4")
Rear-end distance	I		2335 (7' 8")	2335 (7' 8")
Rear-end swing radius	I'		2345 (7' 8")	2345 (7' 8")
Distance between tumblers	J		3035 (9' 11")	3035 (9' 11")
Undercarriage length (without grouser)	K		3656 (12' 0")	3656 (12' 0")
Undercarriage length (with grouser)	K'		3706 (12' 2")	3706 (12' 2")
Undercarriage width	L		2475 (8' 1")	2475 (8' 1")
Undercarriage width with add footboard	L'		2475 (8' 1")	2475 (8' 1")
Track gauge	M		1990 (6' 6")	1990 (6' 6")
Track shoe width, standard	N		600 (2' 0")	600 (2' 0")
Track shoe link quantity	EA		46	46
Travel speed (low/high)	km/hr (mph)		3.4/5.8 (2.1/3.6)	3.4/5.8 (2.1/3.6)
Swing speed	rpm		12.4	12.4
Gradeability	Degree (%)		35 (70)	35 (70)
Ground pressure	kgf/cm ² (psi)		0.37 (5.23)	0.37 (5.25)
Max traction force	kg (lb)		12670 (27930)	12670 (27930)

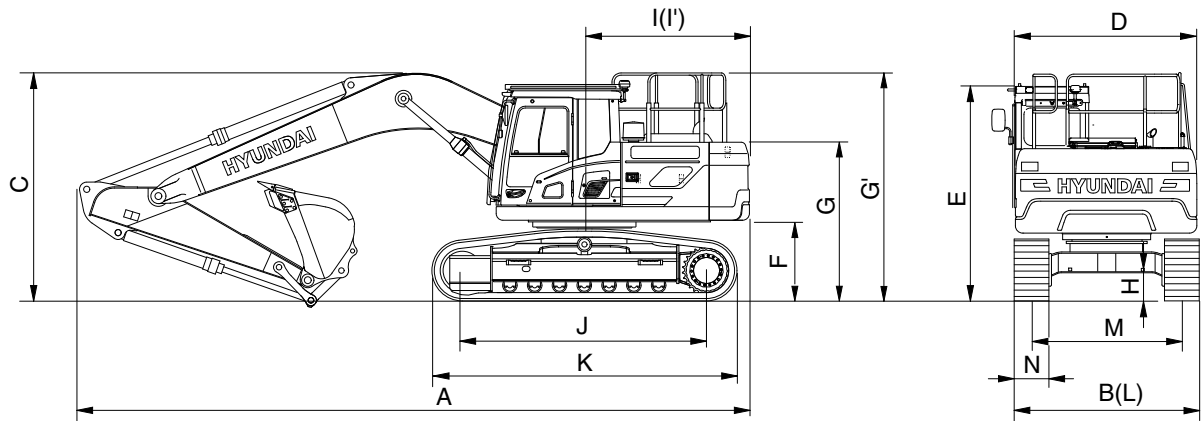
2) HX140 LDT3, MONO BOOM



140SA2SP03

Description	Unit		Specification	
	m (ft-in)	Boom	4.6 (15' 1")	
		Arm	2.50 (8' 2")	3.00 (9' 10")
	mm (in)	Shoe	600 (24")	
Operating weight	m ³ (yd ³)		15230 (33580)	15260 (33640)
Bucket capacity (SAE heaped), standard	kg (lb)		0.52 (0.68)	0.52 (0.68)
Overall length	A	mm (ft-in)	8135 (26' 8")	8100 (26' 7")
Overall width	B		2590 (8' 6")	2590 (8' 6")
Overall width with add footboard	B'		2590 (8' 6")	2590 (8' 6")
Overall height of boom	C		2730 (8' 11")	3160 (10' 4")
Overall width of upper structure	D		2475 (8' 1")	2475 (8' 1")
Overall height of cab	E		2835 (9' 4")	2835 (9' 4")
Ground clearance of counterweight	F		905 (3' 0")	905 (3' 0")
Overall height of engine hood	G		2220 (7' 3")	2220 (7' 3")
Overall height of handrail	G'		2925 (9' 7")	2925 (9' 7")
Minimum ground clearance	H		405 (1' 4")	405 (1' 4")
Rear-end distance	I		2335 (7' 8")	2335 (7' 8")
Rear-end swing radius	I'		2345 (7' 8")	2345 (7' 8")
Distance between tumblers	J		3035 (9' 11")	3035 (9' 11")
Undercarriage length (without grouser)	K		3656 (12' 0")	3656 (12' 0")
Undercarriage length (with grouser)	K'		3706 (12' 2")	3706 (12' 2")
Undercarriage width	L		2475 (8' 1")	2475 (8' 1")
Undercarriage width with add footboard	L'		2475 (8' 1")	2475 (8' 1")
Track gauge	M		1990 (6' 6")	1990 (6' 6")
Track shoe width, standard	N		600 (2' 0")	600 (2' 0")
Height of blade	O		575 (1' 11")	575 (1' 11")
Ground clearance of blade up	P		580 (1' 11")	580 (1' 11")
Depth of blade down	Q		475 (1' 7")	475 (1' 7")
Track shoe link quantity	EA		46	46
Travel speed (low/high)	km/hr (mph)		3.4/5.8 (2.1/3.6)	3.4/5.8 (2.1/3.6)
Swing speed	rpm		12.4	12.4
Gradeability	Degree (%)		35 (70)	35 (70)
Ground pressure	kgf/cm ² (psi)		0.42 (5.93)	0.39 (5.58)
Max traction force	kg (lb)		12670 (27930)	12670 (27930)

3) HX140 HWT3, MONO BOOM

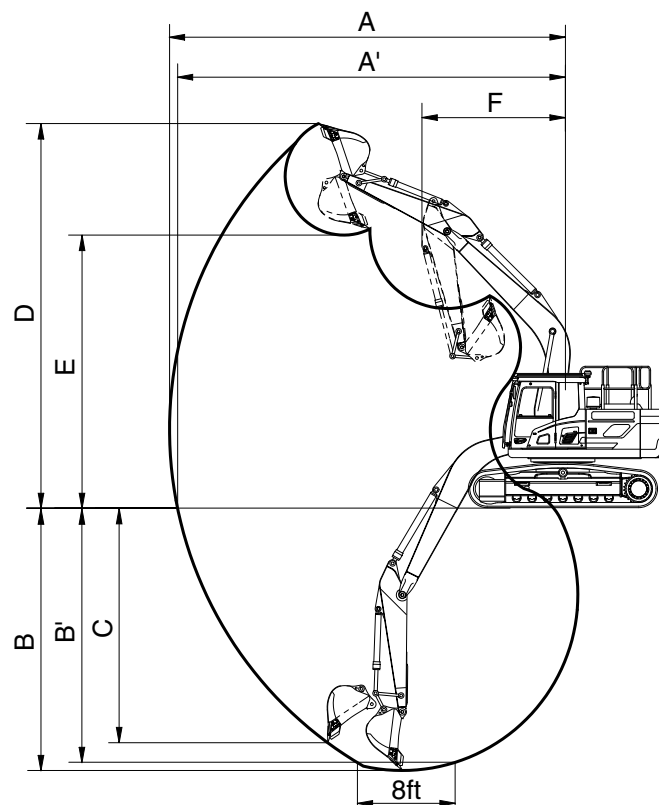


140SA2SP02

Description	Unit		Specification	
	m (ft-in)	Boom	4.6 (15' 1")	
		Arm	2.50 (8' 2")	3.00 (9' 10")
	mm (in)	Shoe	800 (32")	
Operating weight	m ³ (yd ³)		17320 (38180)	17355 (38260)
Bucket capacity (SAE heaped), standard	kg (lb)		0.52 (0.68)	0.52 (0.68)
Overall length	A	mm (ft-in)	7775 (25' 6")	7845 (25' 9")
Overall width	B		2840 (9' 4")	2840 (9' 4")
Overall width with add footboard	B'		2840 (9' 4")	2840 (9' 4")
Overall height of boom	C		2750 (9' 0")	3120 (10' 3")
Overall width of upper structure	D		2475 (8' 1")	2475 (8' 1")
Overall height of cab	E		3135 (10' 3")	3135 (10' 3")
Ground clearance of counterweight	F		1205 (3' 11")	1205 (3' 11")
Overall height of engine hood	G		2470 (8' 1")	2470 (8' 1")
Overall height of handrail	G'		3385 (11' 1")	3385 (11' 1")
Minimum ground clearance	H		600 (2' 0")	600 (2' 0")
Rear-end distance	I		2335 (7' 8")	2335 (7' 8")
Rear-end swing radius	I'		2345 (7' 8")	2345 (7' 8")
Distance between tumblers	J		3030 (9' 11")	3030 (9' 11")
Undercarriage length (without grouser)	K		3770 (12' 4")	3770 (12' 4")
Undercarriage length (with grouser)	K'		3820 (12' 6")	3820 (12' 6")
Undercarriage width	L		2840 (9' 4")	2840 (9' 4")
Undercarriage width with add footboard	L'		2840 (9' 4")	2840 (9' 4")
Track gauge	M		2040 (6' 8")	2040 (6' 8")
Track shoe width, standard	N		800 (2' 7")	800 (2' 7")
Track shoe link quantity	EA		47	47
Travel speed (low/high)	km/hr (mph)		3.4/5.8 (2.1/3.6)	3.4/5.8 (2.1/3.6)
Swing speed	rpm		12.4	12.4
Gradeability	Degree (%)		35 (70)	35 (70)
Ground pressure	kgf/cm ² (psi)		0.33 (4.68)	0.33 (4.69)
Max traction force	kg (lb)		12670 (27930)	12670 (27930)

3. WORKING RANGE AND DIGGING FORCE

1) HX140 LT3/LDT3

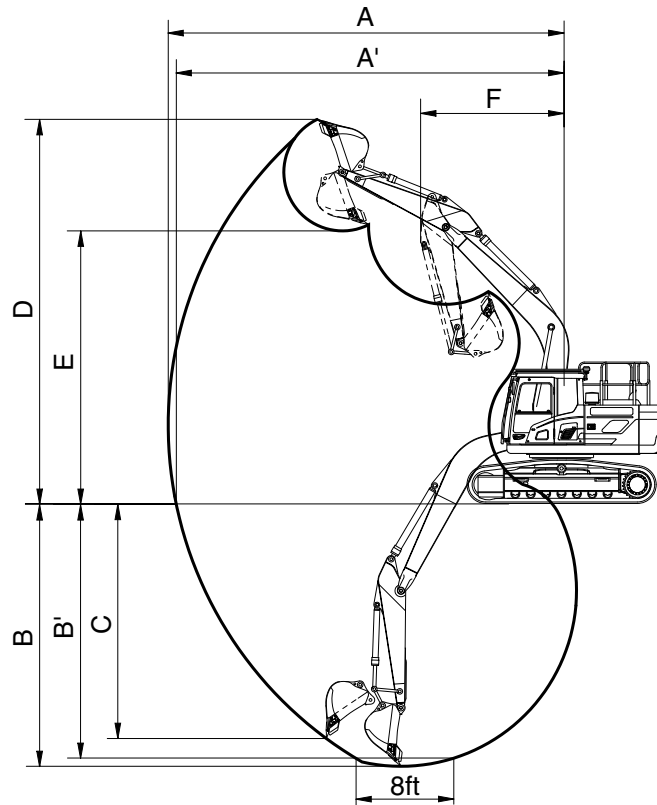


140SA2SP10

Description	m (ft-in)	Boom	4.60 (15' 1")	
		Arm	2.50 (8' 2")	3.00 (9' 10")
Max digging reach	mm (ft-in)	A	8290 (27' 2")	8670 (28' 5")
Max digging reach on ground		A'	8140 (26' 8")	8530 (28' 0")
Max digging depth		B	5380 (17' 8")	5880 (19' 3")
Max digging depth (8 ft level)		B'	5180 (17' 0")	5690 (18' 8")
Max vertical wall digging depth		C	4770 (15' 8")	4980 (16' 4")
Max digging height		D	8580 (28' 2")	8650 (28' 5")
Max dumping height		E	6240 (20' 6")	6350 (20' 10")
Min swing radius		F	2450 (8' 0")	2660 (8' 9")
Bucket digging force	kN	SAE	94.3 [102.4]	94.3 [102.4]
	kgf		9620 [10440]	9620 [10440]
	lbf		21210 [23020]	21210 [23020]
	kN	ISO	111.4 [120.9]	111.4 [120.9]
	kgf		11360 [12330]	11360 [12330]
	lbf		25040 [27180]	25040 [27180]
Arm digging force	kN	SAE	62.0 [67.3]	57.0 [61.9]
	kgf		6320 [6860]	5810 [6310]
	lbf		13930 [15120]	12810 [13910]
	kN	ISO	64.6 [70.1]	59.0 [64.1]
	kgf		6590 [7150]	6020 [6540]
	lbf		14530 [15760]	13270 [14420]

[] : Power boost

2) HX140 HWT3



140SA2SP10

Description	m (ft-in)	Boom		
		Arm	4.60 (15' 1")	
			2.50 (8' 2")	3.00 (9' 10")
Max digging reach	mm (ft-in)	A	8290 (27' 2")	8670 (28' 5")
Max digging reach on ground		A'	8080 (26' 6")	8470 (27' 9")
Max digging depth		B	5110 (16' 9")	5610 (18' 5")
Max digging depth (8 ft level)		B'	4900 (16' 1")	5410 (17' 9")
Max vertical wall digging depth		C	4490 (14' 9")	4700 (15' 5")
Max digging height		D	8860 (29' 1")	8930 (29' 4")
Max dumping height		E	6520 (21' 5")	6620 (21' 9")
Min swing radius		F	2450 (8' 0")	2660 (8' 9")
Bucket digging force	kN	SAE	94.3 [102.4]	94.3 [102.4]
	kgf		9620 [10440]	9620 [10440]
	lbf		21210 [23020]	21210 [23020]
	kN	ISO	111.4 [120.9]	111.4 [120.9]
	kgf		11360 [12330]	11360 [12330]
	lbf		25040 [27180]	25040 [27180]
Arm digging force	kN	SAE	62.0 [67.3]	57.0 [61.9]
	kgf		6320 [6860]	5810 [6310]
	lbf		13930 [15120]	12810 [13910]
	kN	ISO	64.6 [70.1]	59.0 [64.1]
	kgf		6590 [7150]	6020 [6540]
	lbf		14530 [15760]	13270 [14420]

[] : Power boost

4. WEIGHT

Item	Qty	HX140 LT3		HX140 LDT3		HX140 HWT3	
	EA	kg	lb	kg	lb	kg	lb
Upperstructure assembly							
· Main frame weld assembly	1	1140	2513	1140	2513	1140	2513
· Engine assembly	1	371	818	371	818	371	818
· Main pump assembly	1	92	203	92	203	92	203
· Main control valve assembly	1	140	309	140	309	140	309
· Swing motor assembly	1	130	287	130	287	130	287
· Hydraulic oil tank WA	1	133	294	133	294	133	294
· Fuel tank WA	1	150	331	150	331	150	331
· Counterweight	1	1900	4189	1900	4189	1900	4189
· Cab assembly	1	495	1091	495	1091	495	1091
Lower chassis assembly							
· Track frame weld assembly	1	1497	3300	1667	3675	2199	4848
· Dozer blade assembly	1	-	-	503	1109	-	-
· Swing bearing	1	214	472	214	472	214	472
· Travel motor assembly	2	278	613	278	613	278	613
· Turning joint	1	56	123	63	139	56	123
· Sprocket	2	40	87	40	87	49	109
· Track recoil spring	2	93	204	93	204	132	291
· Idler	2	104	229	104	229	151	332
· Upper roller	4	19	42	19	42	40	88
· Lower roller	18	35	77	35	77	40	88
· Track Guard	2	36	79	36	79	-	-
· Track Guard	4	-	-	-	-	592	1305
· Track-chain assembly (500 mm, 46 link)	2	922	2033	922	2033	-	-
· Track-chain assembly (600 mm, 46 link)	2	1027	2263	1027	2263	-	-
· Track-chain assembly (700 mm, 46 link)	2	1131	2494	1131	2494	-	-
· Track-chain assembly (700 mm, 47 link)	2	-	-	-	-	1250	2755
· Track-chain assembly (800 mm, 47 link)	2	-	-	-	-	1367	3013
Front attachment assembly							
· 4.6 m mono boom assembly	1	812	1790	812	1790	812	1790
· 2.50 m arm assembly	1	445	981	445	981	445	981
· 3.00 m arm assembly	1	482	1063	482	1063	482	1063
· 0.58 m³ bucket assembly	1	484	1067	484	1067	484	1067
· 0.52 m³ bucket assembly	1	461	1016	461	1016	461	1016
· 0.65 m³ bucket assembly	1	513	1131	513	1131	513	1131
· 0.71 m³ bucket assembly	1	536	1182	536	1182	536	1182
· Boom cylinder assembly	2	119	262	119	262	119	262
· Arm cylinder assembly	1	145	320	145	320	145	320
· Bucket cylinder assembly	1	104	229	104	229	104	229
· Dozer cylinder assembly	2	55	120	55	120	55	120
· Bucket control linkage total	1	114	251	114	251	114	251

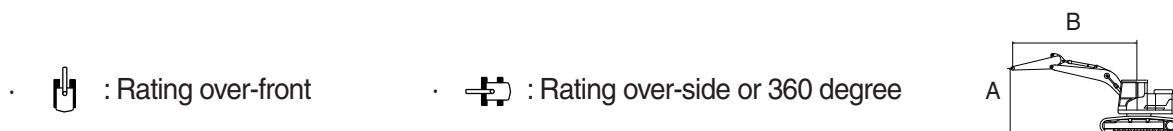
※ This information is different with operating and transportation weight because it is not including harness, pipe, oil, fuel so on.











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

5. LIFTING CAPACITIES

1) HX140 LT3

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	1900	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)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb					*3670 *8090	*3670 *8090			*2180 *4810	*2180 *4810	5.42 (17.8)
4.5 m (14.8 ft)	kg lb					*3930 *8660	3920 8640	*3210 *7080	2470 5450	*2020 *4450	*2020 *4450	6.39 (21.0)
3.0 m (9.8 ft)	kg lb			*6610 *14570	*6610 *14570	*4820 *10630	3720 8200	3650 8050	2410 5310	*2010 *4430	1920 4230	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*7930 *17480	6310 13910	5510 12150	3490 7690	3540 7800	2310 5090	*2120 *4670	1810 3990	7.06 (23.2)
0.0 m (0.0 ft)	kg lb			*6750 *14880	6040 13320	5320 11730	3330 7340	3460 7630	2240 4940	*2380 *5250	1850 4080	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4910 *10820	*4910 *10820	*9970 *21980	6010 13250	5260 11600	3280 7230	3430 7560	2210 4870	*2910 *6420	2060 4540	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8760 *19310	*8760 *19310	*8640 *19050	6120 13490	5310 11710	3320 7320			4100 9040	2630 5800	5.36 (17.6)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

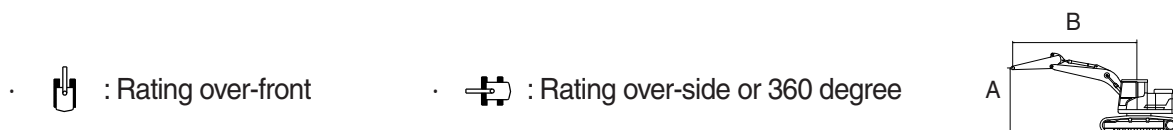
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	1900	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)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2440 *5380	*2440 *5380	4.34 (14.2)
6.0 m (19.7 ft)	kg lb							*2050 *4520	*2050 *4520	*2070 *4560	*2070 *4560	5.91 (19.4)
4.5 m (14.8 ft)	kg lb					*3420 *7540	*3420 *7540	*3220 *7100	2520 5560	*1960 *4320	*1960 *4320	6.81 (22.4)
3.0 m (9.8 ft)	kg lb			*5510 *12150	*5510 *12150	*4340 *9570	3790 8360	3680 8110	2440 5380	*1980 *4370	1770 3900	7.30 (23.9)
1.5 m (4.9 ft)	kg lb			*8570 *18890	6470 14260	*5510 *12150	3540 7800	3560 7850	2330 5140	*2100 *4630	1680 3700	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*7920 *17460	6050 13340	5340 11770	3340 7360	3460 7630	2230 4920	*2360 *5200	1690 3730	7.28 (23.9)
-1.5 m (-4.9 ft)	kg lb	*4680 *10320	*4680 *10320	*9710 *21410	5950 13120	5230 11530	3250 7170	3400 7500	2180 4810	2870 6330	1850 4080	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7710 *17000	*7710 *17000	*9300 *20500	6010 13250	5240 11550	3260 7190			3550 7830	2280 5030	5.86 (19.2)
-4.5 m (-14.8 ft)	kg lb			*6670 *14700	6230 13730					*4510 *9940	3710 8180	4.24 (13.9)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

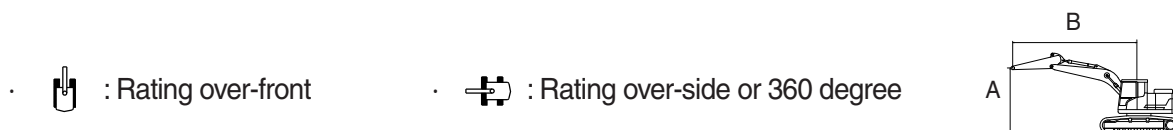
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2300	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)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb					*3670 *8090	*3670 *8090			*2180 *4810	*2180 *4810	5.42 (17.8)
4.5 m (14.8 ft)	kg lb					*3930 *8660	*3930 *8660	*3210 *7080	2660 5860	*2020 *4450	*2020 *4450	6.39 (21.0)
3.0 m (9.8 ft)	kg lb			*6610 *14570	*6610 *14570	*4820 *10630	4000 8820	3880 8550	2600 5730	*2010 *4430	*2010 *4430	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*7930 *17480	6800 14990	5870 12940	3770 8310	3780 8330	2500 5510	*2120 *4670	1970 4340	7.06 (23.2)
0.0 m (0.0 ft)	kg lb			*6750 *14880	6520 14370	5680 12520	3610 7960	3700 8160	2430 5360	*2380 *5250	2010 4430	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4910 *10820	*4910 *10820	*9970 *21980	6500 14330	5620 12390	3550 7830	3670 8090	2400 5290	*2910 *6420	2230 4920	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8760 *19310	*8760 *19310	*8640 *19050	6600 14550	5670 12500	3600 7940			*4220 *9300	2850 6280	5.36 (17.6)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

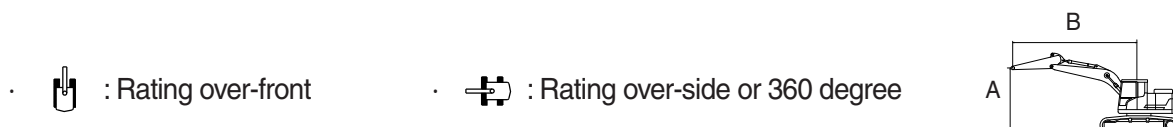
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2300	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)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2440 *5380	*2440 *5380	4.34 (14.2)
6.0 m (19.7 ft)	kg lb									*2070 *4560	*2070 *4560	5.91 (19.4)
4.5 m (14.8 ft)	kg lb					*3420 *7540	*3420 *7540	*3220 *7100	2710 5970	*1960 *4320	*1960 *4320	6.81 (22.4)
3.0 m (9.8 ft)	kg lb			*5510 *12150	*5510 *12150	*4340 *9570	4070 8970	*3830 *8440	2630 5800	*1980 *4370	1930 4250	7.30 (23.9)
1.5 m (4.9 ft)	kg lb			*8570 *18890	6960 15340	*5510 *12150	3810 8400	3800 8380	2520 5560	*2100 *4630	1820 4010	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*7920 *17460	6540 14420	5690 12540	3610 7960	3690 8140	2420 5340	*2360 *5200	1850 4080	7.28 (23.9)
-1.5 m (-4.9 ft)	kg lb	*4680 *10320	*4680 *10320	*9710 *21410	6430 14180	5590 12320	3520 7760	3640 8020	2370 5220	*2870 *6330	2020 4450	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7710 *17000	*7710 *17000	*9300 *20500	6500 14330	5600 12350	3530 7780			3800 8380	2480 5470	5.86 (19.2)
-4.5 m (-14.8 ft)	kg lb			*6670 *14700	*6670 *14700					*4510 *9940	4010 8840	4.24 (13.9)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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

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

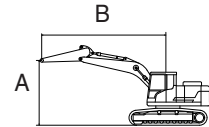
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.











2) HX140 LDT3

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LDT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	1900	600	-	Down	-	-	-

·  : 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)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb					*3670 *8090	*3670 *8090			*2180 *4810	*2180 *4810	5.42 (17.8)
4.5 m (14.8 ft)	kg lb					*3930 *8660	*3930 *8660	*3210 *7080	2870 6330	*2020 *4450	*2020 *4450	6.39 (21.0)
3.0 m (9.8 ft)	kg lb			*6610 *14570	*6610 *14570	*4820 *10630	4320 9520	*4140 *9130	2800 6170	*2010 *4430	*2010 *4430	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*7930 *17480	7510 16560	*5900 *13010	4090 9020	*4590 *10120	2700 5950	*2120 *4670	*2120 *4670	7.06 (23.2)
0.0 m (0.0 ft)	kg lb			*6750 *14880	*6750 *14880	*6630 *14620	3920 8640	*4920 *10850	2630 5800	*2380 *5250	2170 4780	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4910 *10820	*4910 *10820	*9970 *21980	7200 15870	*6700 *14770	3870 8530	*4830 *10650	2600 5730	*2910 *6420	2420 5340	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8760 *19310	*8760 *19310	*8640 *19050	7310 16120	*5860 *12920	3910 8620			*4220 *9300	3090 6810	5.36 (17.6)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

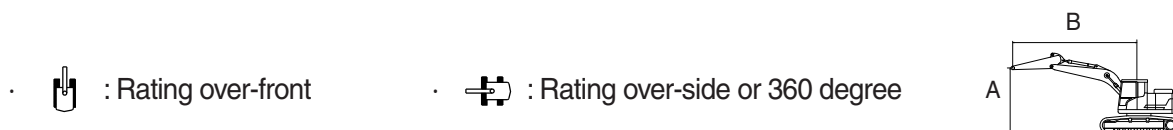
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LDT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	1900	600	-	Up	-	-	-



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)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb					*3670 *8090	*3670 *8090			*2180 *4810	*2180 *4810	5.42 (17.8)
4.5 m (14.8 ft)	kg lb					*3930 *8660	*3930 *8660	*3210 *7080	2630 5800	*2020 *4450	*2020 *4450	6.39 (21.0)
3.0 m (9.8 ft)	kg lb			*6610 *14570	*6610 *14570	*4820 *10630	3950 8710	3660 8070	2570 5670	*2010 *4430	*2010 *4430	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*7930 *17480	6710 14790	5530 12190	3720 8200	3550 7830	2470 5450	*2120 *4670	1950 4300	7.06 (23.2)
0.0 m (0.0 ft)	kg lb			*6750 *14880	6440 14200	5340 11770	3560 7850	3470 7650	2400 5290	*2380 *5250	1980 4370	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4910 *10820	*4910 *10820	*9970 *21980	6410 14130	5280 11640	3500 7720	3450 7610	2370 5220	*2910 *6420	2210 4870	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8760 *19310	*8760 *19310	*8640 *19050	6520 14370	5330 11750	3550 7830			4120 9080	2820 6220	5.36 (17.6)

Note 1. Lifting capacity are based on ISO 10567.

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

※ Lifting capacities are based upon a standard machine conditions.

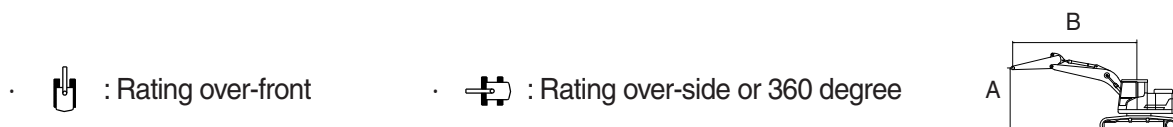
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LDT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	1900	600	-	Down	-	-	-



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)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2440 *5380	*2440 *5380	4.34 (14.2)
6.0 m (19.7 ft)	kg lb									*2070 *4560	*2070 *4560	5.91 (19.4)
4.5 m (14.8 ft)	kg lb					*3420 *7540	*3420 *7540	*3220 *7100	2910 6420	*1960 *4320	*1960 *4320	6.81 (22.4)
3.0 m (9.8 ft)	kg lb			*5510 *12150	*5510 *12150	*4340 *9570	*4340 *9570	*3830 *8440	2830 6240	*1980 *4370	*1980 *4370	7.30 (23.9)
1.5 m (4.9 ft)	kg lb			*8570 *18890	7680 16930	*5510 *12150	4130 9110	*4350 *9590	2720 6000	*2100 *4630	1970 4340	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*7920 *17460	7240 15960	*6410 *14130	3930 8660	*4790 *10560	2620 5780	*2360 *5200	2000 4410	7.28 (23.9)
-1.5 m (-4.9 ft)	kg lb	*4680 *10320	*4680 *10320	*9710 *21410	7130 15720	*6710 *14790	3840 8470	*4900 *10800	2570 5670	*2870 *6330	2190 4830	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7710 *17000	*7710 *17000	*9300 *20500	7200 15870	*6230 *13730	3850 8490			*4050 *8930	2690 5930	5.86 (19.2)
-4.5 m (-14.8 ft)	kg lb			*6670 *14700	*6670 *14700					*4510 *9940	4360 9610	4.24 (13.9)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

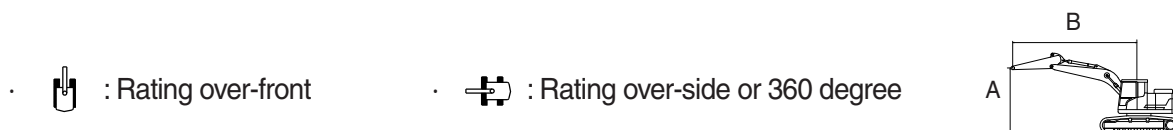
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LDT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	1900	600	-	Up	-	-	-



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)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2440 *5380	*2440 *5380	4.34 (14.2)
6.0 m (19.7 ft)	kg lb									*2070 *4560	*2070 *4560	5.91 (19.4)
4.5 m (14.8 ft)	kg lb					*3420 *7540	*3420 *7540	*3220 *7100	2680 5910	*1960 *4320	*1960 *4320	6.81 (22.4)
3.0 m (9.8 ft)	kg lb			*5510 *12150	*5510 *12150	*4340 *9570	4020 8860	3690 8140	2600 5730	*1980 *4370	1900 4190	7.30 (23.9)
1.5 m (4.9 ft)	kg lb			*8570 *18890	6870 15150	*5510 *12150	3770 8310	3570 7870	2490 5490	*2100 *4630	1800 3970	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*7920 *17460	6450 14220	5350 11790	3570 7870	3470 7650	2390 5270	*2360 *5200	1820 4010	7.28 (23.9)
-1.5 m (-4.9 ft)	kg lb	*4680 *10320	*4680 *10320	*9710 *21410	6350 14000	5250 11570	3480 7670	3420 7540	2340 5160	*2870 *6330	1990 4390	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7710 *17000	*7710 *17000	*9300 *20500	6410 14130	5260 11600	3490 7690			3570 7870	2450 5400	5.86 (19.2)
-4.5 m (-14.8 ft)	kg lb			*6670 *14700	6640 14640					*4510 *9940	3960 8730	4.24 (13.9)

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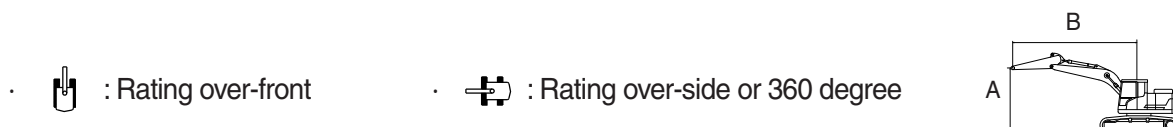
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LDT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2300	600	-	Down	-	-	-



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)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb					*3,670 *8,090	*3,670 *8,090			*2,180 *4,810	*2,180 *4,810	5.42 (17.8)
4.5 m (14.8 ft)	kg lb					*3,930 *8,660	*3,930 *8,660	*3,210 *7,080	3,060 6,750	*2,020 *4,450	*2,020 *4,450	6.39 (21.0)
3.0 m (9.8 ft)	kg lb			*6,610 *14,570	*6,610 *14,570	*4,820 *10,630	4,610 10,160	*4,140 *9,130	3,000 6,610	*2,010 *4,430	*2,010 *4,430	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*7,930 *17,480	*7,930 *17,480	*5,900 *13,010	4,380 9,660	*4,590 *10,120	2,900 6,390	*2,120 *4,670	*2,120 *4,670	7.06 (23.2)
0.0 m (0.0 ft)	kg lb			*6,750 *14,880	*6,750 *14,880	*6,630 *14,620	4,210 9,280	*4,920 *10,850	2,830 6,240	*2,380 *5,250	2,340 5,160	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4,910 *10,820	*4,910 *10,820	*9,970 *21,980	7,720 17,020	*6,700 *14,770	4,150 9,150	*4,830 *10,650	2,800 6,170	*2,910 *6,420	2,600 5,730	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8,760 *19,310	*8,760 *19,310	*8,640 *19,050	7,830 17,260	*5,860 *12,920	4,200 9,260			*4,220 *9,300	3,320 7,320	5.36 (17.6)

Note 1. Lifting capacity are based on ISO 10567.

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

4. *Indicates load limited by hydraulic capacity.

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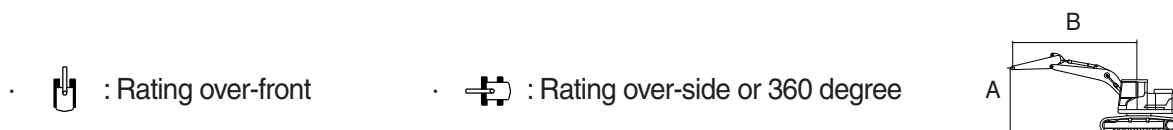
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LDT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2300	600	-	Up	-	-	-



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)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb					*3,670 *8,090	*3,670 *8,090			*2,180 *4,810	*2,180 *4,810	5.42 (17.8)
4.5 m (14.8 ft)	kg lb					*3,930 *8,660	*3,930 *8,660	*3,210 *7,080	2,820 6,220	*2,020 *4,450	*2,020 *4,450	6.39 (21.0)
3.0 m (9.8 ft)	kg lb			*6,610 *14,570	*6,610 *14,570	*4,820 *10,630	4,230 9,330	3,900 8,600	2,760 6,080	*2,010 *4,430	*2,010 *4,430	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*7,930 *17,480	7,200 15,870	5,880 12,960	4,000 8,820	3,790 8,360	2,660 5,860	*2,120 *4,670	2,100 4,630	7.06 (23.2)
0.0 m (0.0 ft)	kg lb			*6,750 *14,880	*6,750 *14,880	5,700 12,570	3,840 8,470	3,710 8,180	2,590 5,710	*2,380 *5,250	2,150 4,740	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4,910 *10,820	*4,910 *10,820	*9,970 *21,980	6,900 15,210	5,630 12,410	3,780 8,330	3,680 8,110	2,560 5,640	*2,910 *6,420	2,380 5,250	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8,760 *19,310	*8,760 *19,310	*8,640 *19,050	7,010 15,450	5,690 12,540	3,820 8,420			*4,220 *9,300	3,040 6,700	5.36 (17.6)

Note 1. Lifting capacity are based on ISO 10567.

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

※ Lifting capacities are based upon a standard machine conditions.

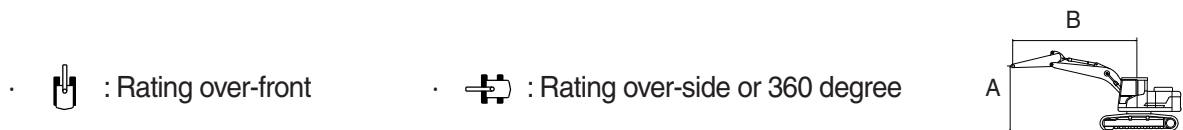
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LDT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2300	600	-	Down	-	-	-



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)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2,440 *5,380	*2,440 *5,380	4.34 (14.2)
6.0 m (19.7 ft)	kg lb									*2,070 *4,560	*2,070 *4,560	5.91 (19.4)
4.5 m (14.8 ft)	kg lb					*3,420 *7,540	*3,420 *7,540	*3,220 *7,100	3,110 6,860	*1,960 *4,320	*1,960 *4,320	6.81 (22.4)
3.0 m (9.8 ft)	kg lb			*5,510 *12,150	*5,510 *12,150	*4,340 *9,570	*4,340 *9,570	*3,830 *8,440	3,030 6,680	*1,980 *4,370	*1,980 *4,370	7.30 (23.9)
1.5 m (4.9 ft)	kg lb			*8,570 *18,890	8,200 18,080	*5,510 *12,150	4,420 9,740	*4,350 *9,590	2,920 6,440	*2,100 *4,630	*2,100 *4,630	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*7,920 *17,460	7,760 17,110	*6,410 *14,130	4,220 9,300	*4,790 *10,560	2,820 6,220	*2,360 *5,200	2,150 4,740	7.28 (23.9)
-1.5 m (-4.9 ft)	kg lb	*4,680 *10,320	*4,680 *10,320	*9,710 *21,410	7,650 16,870	*6,710 *14,790	4,120 9,080	*4,900 *10,800	2,770 6,110	*2,870 *6,330	2,360 5,200	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7,710 *17,000	*7,710 *17,000	*9,300 *20,500	7,720 17,020	*6,230 *13,730	4,140 9,130			*4,050 *8,930	2,890 6,370	5.86 (19.2)
-4.5 m (-14.8 ft)	kg lb			*6,670 *14,700	*6,670 *14,700					*4,510 *9,940	*4,510 *9,940	4.24 (13.9)

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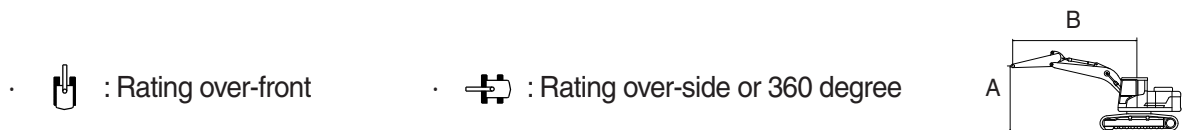
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LDT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2300	600	-	Up	-	-	-



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)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2,440 *5,380	*2,440 *5,380	4.34 (14.2)
6.0 m (19.7 ft)	kg lb									*2,070 *4,560	*2,070 *4,560	5.91 (19.4)
4.5 m (14.8 ft)	kg lb					*3,420 *7,540	*3,420 *7,540	*3,220 *7,100	2,870 6,330	*1,960 *4,320	*1,960 *4,320	6.81 (22.4)
3.0 m (9.8 ft)	kg lb			*5,510 *12,150	*5,510 *12,150	*4,340 *9,570	4,290 9,460	*3,830 *8,440	2,790 6,150	*1,980 *4,370	*1,980 *4,370	7.30 (23.9)
1.5 m (4.9 ft)	kg lb			*8,570 *18,890	7,360 16,230	*5,510 *12,150	4,040 8,910	3,810 8,400	2,680 5,910	*2,100 *4,630	1,950 4,300	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*7,920 *17,460	6,940 15,300	5,710 12,590	3,840 8,470	3,710 8,180	2,580 5,690	*2,360 *5,200	1,970 4,340	7.28 (23.9)
-1.5 m (-4.9 ft)	kg lb	*4,680 *10,320	*4,680 *10,320	*9,710 *21,410	6,830 15,060	5,600 12,350	3,750 8,270	3,650 8,050	2,530 5,580	*2,870 *6,330	2,160 4,760	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7,710 *17,000	*7,710 *17,000	*9,300 *20,500	6,900 15,210	5,620 12,390	3,760 8,290			3,810 8,400	2,640 5,820	5.86 (19.2)
-4.5 m (-14.8 ft)	kg lb			*6,670 *14,700	*6,670 *14,700					*4,510 *9,940	4,250 9,370	4.24 (13.9)

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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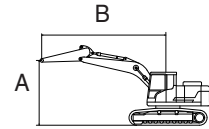
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




2) HX140 HWT3

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 HWT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	1900	800	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2580 *5690	*2580 *5690	4.06 (13.3)
6.0 m (19.7 ft)	kg lb					*3660 *8070	*3660 *8070			*2130 *4700	*2130 *4700	5.64 (18.5)
4.5 m (14.8 ft)	kg lb					*4060 *8950	*4060 *8950	*3460 *7630	3090 6810	*2010 *4430	*2010 *4430	6.51 (21.4)
3.0 m (9.8 ft)	kg lb			*7180 *15830	*7180 *15830	*5020 *11070	4600 10140	*4220 *9300	3020 6660	*2020 *4450	*2020 *4450	6.96 (22.8)
1.5 m (4.9 ft)	kg lb			*6940 *15300	*6940 *15300	*6080 *13400	4370 9630	4370 9630	2920 6440	*2150 *4740	*2150 *4740	7.05 (23.1)
0.0 m (0.0 ft)	kg lb			*7140 *15740	*7140 *15740	6580 14510	4230 9330	4300 9480	2850 6280	*2450 *5400	2400 5290	6.82 (22.4)
-1.5 m (-4.9 ft)	kg lb	*5530 *12190	*5530 *12190	*9910 *21850	7720 17020	6540 14420	4190 9240	4290 9460	2840 6260	*3060 *6750	2720 6000	6.22 (20.4)
-3.0 m (-9.8 ft)	kg lb			*8220 *18120	7850 17310	*5530 *12190	4260 9390			*4540 *10010	3600 7940	5.11 (16.8)

Note 1. Lifting capacity are based on ISO 10567.

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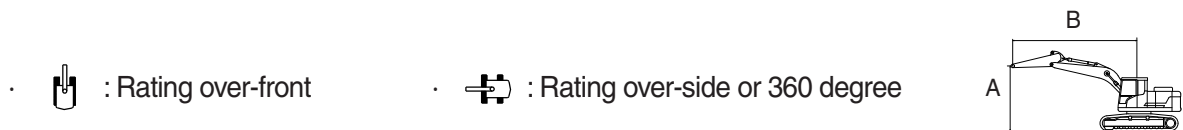
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 HWT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	1900	800	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*2690 *5930	*2690 *5930			*2330 *5140	*2330 *5140	4.70 (15.4)
6.0 m (19.7 ft)	kg lb							*2310 *5090	*2310 *5090	*2030 *4480	*2030 *4480	6.12 (20.1)
4.5 m (14.8 ft)	kg lb					*3550 *7830	*3550 *7830	*3360 *7410	3130 6900	*1950 *4300	*1950 *4300	6.93 (22.7)
3.0 m (9.8 ft)	kg lb			*6080 *13400	*6080 *13400	*4550 *10030	*4550 *10030	*3920 *8640	3040 6700	*1990 *4390	*1990 *4390	7.35 (24.1)
1.5 m (4.9 ft)	kg lb			*9020 *19890	8060 17770	*5710 *12590	4410 9720	4390 9680	2930 6460	*2140 *4720	*2140 *4720	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*8000 *17640	7710 17000	*6520 *14370	4230 9330	4290 9460	2840 6260	*2430 *5360	2210 4870	7.22 (23.7)
-1.5 m (-4.9 ft)	kg lb	*5170 *11400	*5170 *11400	*10210 *22510	7640 16840	6500 14330	4150 9150	4250 9370	2810 6190	*3010 *6640	2450 5400	6.65 (21.8)
-3.0 m (-9.8 ft)	kg lb	*8400 *18520	*8400 *18520	*8970 *19780	7730 17040	*6030 *13290	4180 9220			*4450 *9810	3100 6830	5.63 (18.5)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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

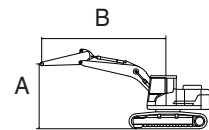
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 HWT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2300	800	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2580 *5690	*2580 *5690	4.06 (13.3)
6.0 m (19.7 ft)	kg lb					*3660 *8070	*3660 *8070			*2130 *4700	*2130 *4700	5.64 (18.5)
4.5 m (14.8 ft)	kg lb					*4060 *8950	*4060 *8950	*3460 *7630	3290 7250	*2010 *4430	*2010 *4430	6.51 (21.4)
3.0 m (9.8 ft)	kg lb			*7180 *15830	*7180 *15830	*5020 *11070	4880 10760	*4220 *9300	3210 7080	*2020 *4450	*2020 *4450	6.96 (22.8)
1.5 m (4.9 ft)	kg lb			*6940 *15300	*6940 *15300	*6080 *13400	4650 10250	4610 10160	3120 6880	*2150 *4740	*2150 *4740	7.05 (23.1)
0.0 m (0.0 ft)	kg lb			*7140 *15740	*7140 *15740	*6690 *14750	4510 9940	4540 10010	3050 6720	*2450 *5400	*2450 *5400	6.82 (22.4)
-1.5 m (-4.9 ft)	kg lb	*5530 *12190	*5530 *12190	*9910 *21850	8220 18120	*6620 *14590	4470 9850	4520 9960	3040 6700	*3060 *6750	2910 6420	6.22 (20.4)
-3.0 m (-9.8 ft)	kg lb			*8220 *18120	*8220 *18120	*5530 *12190	4540 10010			*4540 *10010	3840 8470	5.11 (16.8)

Note 1. Lifting capacity are based on ISO 10567.

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

4. *Indicates load limited by hydraulic capacity.

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











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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 HWT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2300	800	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*2690 *5930	*2690 *5930			*2330 *5140	*2330 *5140	4.70 (15.4)
6.0 m (19.7 ft)	kg lb							*2310 *5090	*2310 *5090	*2030 *4480	*2030 *4480	6.12 (20.1)
4.5 m (14.8 ft)	kg lb					*3550 *7830	*3550 *7830	*3360 *7410	3330 7340	*1950 *4300	*1950 *4300	6.93 (22.7)
3.0 m (9.8 ft)	kg lb			*6080 *13400	*6080 *13400	*4550 *10030	*4550 *10030	*3920 *8640	3240 7140	*1990 *4390	*1990 *4390	7.35 (24.1)
1.5 m (4.9 ft)	kg lb			*9020 *19890	8560 18870	*5710 *12590	4690 10340	*4440 *9790	3130 6900	*2140 *4720	*2140 *4720	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*8000 *17640	*8000 *17640	*6520 *14370	4510 9940	4530 9990	3040 6700	*2430 *5360	2360 5200	7.22 (23.7)
-1.5 m (-4.9 ft)	kg lb	*5170 *11400	*5170 *11400	*10210 *22510	8140 17950	*6690 *14750	4430 9770	4490 9900	3000 6610	*3010 *6640	2630 5800	6.65 (21.8)
-3.0 m (-9.8 ft)	kg lb	*8400 *18520	*8400 *18520	*8970 *19780	8230 18140	*6030 *13290	4460 9830			*4450 *9810	3310 7300	5.63 (18.5)

Note 1. Lifting capacity are based on ISO 10567.

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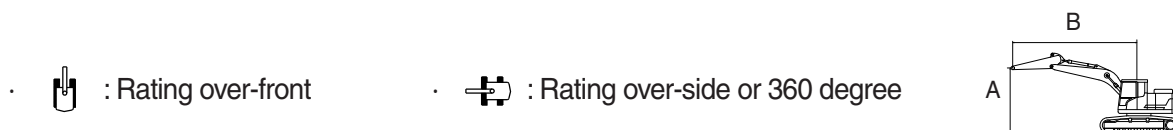
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 HWT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	1900	700	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2580 *5690	*2580 *5690	4.06 (13.3)
6.0 m (19.7 ft)	kg lb					*3660 *8070	*3660 *8070			*2130 *4700	*2130 *4700	5.64 (18.5)
4.5 m (14.8 ft)	kg lb					*4060 *8950	*4060 *8950	*3460 *7630	3050 6720	*2010 *4430	*2010 *4430	6.51 (21.4)
3.0 m (9.8 ft)	kg lb			*7180 *15830	*7180 *15830	*5020 *11070	4540 10010	*4220 *9300	2980 6570	*2020 *4450	*2020 *4450	6.96 (22.8)
1.5 m (4.9 ft)	kg lb			*6940 *15300	*6940 *15300	*6080 *13400	4310 9500	4310 9500	2880 6350	*2150 *4740	*2150 *4740	7.05 (23.1)
0.0 m (0.0 ft)	kg lb			*7140 *15740	*7140 *15740	6490 14310	4170 9190	4240 9350	2810 6190	*2450 *5400	2370 5220	6.82 (22.4)
-1.5 m (-4.9 ft)	kg lb	*5530 *12190	*5530 *12190	*9910 *21850	7610 16780	6450 14220	4130 9110	4230 9330	2800 6170	*3060 *6750	2680 5910	6.22 (20.4)
-3.0 m (-9.8 ft)	kg lb			*8220 *18120	7750 17090	*5530 *12190	4200 9260			*4540 *10010	3550 7830	5.11 (16.8)

Note 1. Lifting capacity are based on ISO 10567.

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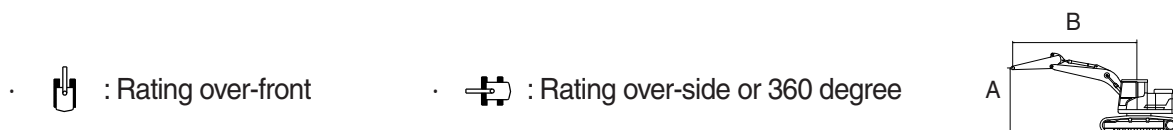
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 HWT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	1900	700	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*2690 *5930	*2690 *5930			*2330 *5140	*2330 *5140	4.70 (15.4)
6.0 m (19.7 ft)	kg lb							*2310 *5090	*2310 *5090	*2030 *4480	*2030 *4480	6.12 (20.1)
4.5 m (14.8 ft)	kg lb					*3550 *7830	*3550 *7830	*3360 *7410	3090 6810	*1950 *4300	*1950 *4300	6.93 (22.7)
3.0 m (9.8 ft)	kg lb			*6080 *13400	*6080 *13400	*4550 *10030	*4550 *10030	*3920 *8640	3000 6610	*1990 *4390	*1990 *4390	7.35 (24.1)
1.5 m (4.9 ft)	kg lb			*9020 *19890	7960 17550	*5710 *12590	4350 9590	4330 9550	2890 6370	*2140 *4720	2120 4670	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*8000 *17640	7600 16760	6500 14330	4170 9190	4230 9330	2800 6170	*2430 *5360	2180 4810	7.22 (23.7)
-1.5 m (-4.9 ft)	kg lb	*5170 *11400	*5170 *11400	*10210 *22510	7540 16620	6410 14130	4090 9020	4190 9240	2770 6110	*3010 *6640	2420 5340	6.65 (21.8)
-3.0 m (-9.8 ft)	kg lb	*8400 *18520	*8400 *18520	*8970 *19780	7630 16820	*6030 *13290	4130 9110			*4450 *9810	3060 6750	5.63 (18.5)

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.

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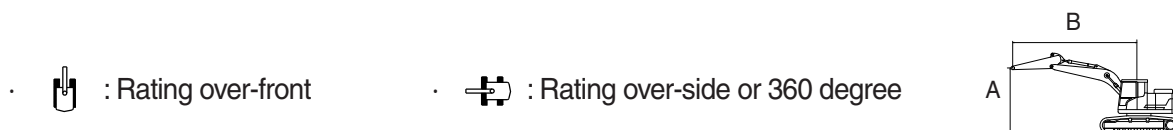
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 HWT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2300	700	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2580 *5690	*2580 *5690	4.06 (13.3)
6.0 m (19.7 ft)	kg lb					*3660 *8070	*3660 *8070			*2130 *4700	*2130 *4700	5.64 (18.5)
4.5 m (14.8 ft)	kg lb					*4060 *8950	*4060 *8950	*3460 *7630	3250 7170	*2010 *4430	*2010 *4430	6.51 (21.4)
3.0 m (9.8 ft)	kg lb			*7180 *15830	*7180 *15830	*5020 *11070	4820 10630	*4220 *9300	3170 6990	*2020 *4450	*2020 *4450	6.96 (22.8)
1.5 m (4.9 ft)	kg lb			*6940 *15300	*6940 *15300	*6080 *13400	4590 10120	4550 10030	3080 6790	*2150 *4740	*2150 *4740	7.05 (23.1)
0.0 m (0.0 ft)	kg lb			*7140 *15740	*7140 *15740	*6690 *14750	4450 9810	4470 9850	3010 6640	*2450 *5400	*2450 *5400	6.82 (22.4)
-1.5 m (-4.9 ft)	kg lb	*5530 *12190	*5530 *12190	*9910 *21850	8120 17900	*6620 *14590	4410 9720	4460 9830	3000 6610	*3060 *6750	2870 6330	6.22 (20.4)
-3.0 m (-9.8 ft)	kg lb			*8220 *18120	*8220 *18120	*5530 *12190	4480 9880			*4540 *10010	3790 8360	5.11 (16.8)

Note 1. Lifting capacity are based on ISO 10567.

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

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

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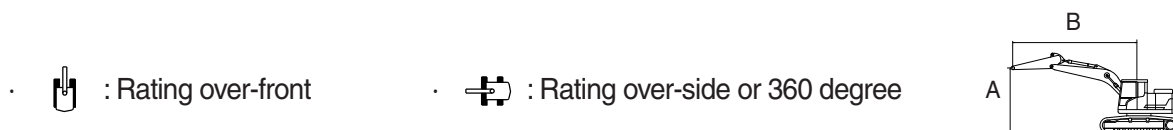
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 HWT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2300	700	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*2690 *5930	*2690 *5930			*2330 *5140	*2330 *5140	4.70 (15.4)
6.0 m (19.7 ft)	kg lb							*2310 *5090	*2310 *5090	*2030 *4480	*2030 *4480	6.12 (20.1)
4.5 m (14.8 ft)	kg lb					*3550 *7830	*3550 *7830	*3360 *7410	3290 7250	*1950 *4300	*1950 *4300	6.93 (22.7)
3.0 m (9.8 ft)	kg lb			*6080 *13400	*6080 *13400	*4550 *10030	*4550 *10030	*3920 *8640	3200 7050	*1990 *4390	*1990 *4390	7.35 (24.1)
1.5 m (4.9 ft)	kg lb			*9020 *19890	8460 18650	*5710 *12590	4630 10210	*4440 *9790	3090 6810	*2140 *4720	*2140 *4720	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*8000 *17640	*8000 *17640	*6520 *14370	4450 9810	4470 9850	3000 6610	*2430 *5360	2330 5140	7.22 (23.7)
-1.5 m (-4.9 ft)	kg lb	*5170 *11400	*5170 *11400	*10210 *22510	8040 17730	*6690 *14750	4370 9630	4430 9770	2960 6530	*3010 *6640	2590 5710	6.65 (21.8)
-3.0 m (-9.8 ft)	kg lb	*8400 *18520	*8400 *18520	*8970 *19780	8130 17920	*6030 *13290	4410 9720			*4450 *9810	3270 7210	5.63 (18.5)

Note 1. Lifting capacity are based on ISO 10567.

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

4. *Indicates load limited by hydraulic capacity.

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

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

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6. BUCKET SELECTION GUIDE



General bucket

Type	Counterweight						1900 kg		2300 kg	
	Capacity		Width		Weight	Tooth	MONO			
	SAE Heaped	CECE heaped	Without side cutter	With side cutter			4.6 m (15' 1") Boom			
	m³ (yd³)	m³ (yd³)	mm (in)	mm (in)	kg (lb)	EA	2.5 m (8' 2") Arm	3.0 m (9' 10") Arm	2.5 m (8' 2") Arm	3.0 m (9' 10") Arm
General bucket	0.51 (0.67)	0.45 (0.59)	865 (34.1")	995 (39.2")	395 (870)	5	●	●	●	●
	0.59 (0.77)	0.51 (0.67)	955 (37.6")	1085 (42.7")	415 (910)	5	●	◐	●	●
	0.64 (0.84)	0.55 (0.72)	1040 (40.9")	1170 (46.1")	440 (970)	5	●	◐	●	●
	0.76 (0.99)	0.65 (0.85)	1215 (47.8")	1345 (53.0")	490 (1080)	6	■	■	◐	■

●	Applicable for materials with density of 2100 kg/m ³ (3500 lb/yd ³) or less
◐	Applicable for materials with density of 1800 kg/m ³ (3000 lb/yd ³) or less
■	Applicable for materials with density of 1500 kg/m ³ (2500 lb/yd ³) or less
▲	Applicable for materials with density of 1200 kg/m ³ (2000 lb/yd ³) or less
X	Not recommended

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

Select an optimum combination according to the working conditions and the type of work that is being done.

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

7. UNDERCARRIAGE

1) TYPES OF SHOES

Model	Description	Unit		Triple grouser									
	width	mm	(in)	500	(20")	600	(24")	700	(28")	700	(28")	800	(32")
HX140 LT3	Operating weight	kg	(lb)	14110	31110	14325	31580	14535	32040	-	-	-	-
	Ground pressure	kgf/cm ²	(psi)	0.44	(6.3)	0.37	(5.3)	0.32	(4.6)	-	-	-	-
	Overall width	mm		2490	(8' 2")	2590	(8' 6")	2690	(8' 10")	-	-	-	-
	Link quantity	EA		46		46		46		-		-	
HX140 LDT3	Operating weight	kg	(lb)	15015	33100	15230	33580	15440	34040	-	-	-	-
	Ground pressure	kgf/cm ²	(psi)	0.46	(6.5)	0.39	(5.6)	0.34	(4.8)	-	-	-	-
	Overall width	mm		2490	(8' 2")	2590	(8' 6")	2690	(8' 10")	-	-	-	-
	Link quantity	EA		46		46		46		-		-	
HX140 HWT3	Operating weight	kg	(lb)	-	-	-	-	-	-	17085	37670	17320	38180
	Ground pressure	kgf/cm ²	(psi)	-	-	-	-	-	-	0.37	(5.3)	0.33	(4.7)
	Overall width	mm		-	-	-	-	-	-	2740	(9' 0")	2840	(9' 4")
	Link quantity	EA		-		-		-		47		47	

2) SELECTION OF TRACK SHOE

Suitable track shoes should be selected according to operating conditions.

Method of selecting shoes

Confirm the category from the list of applications in **table 2**, then use **table 1** to select the shoe. Wide shoes (categories B and C) have limitations on applications. Before using wide shoes, check the precautions, then investigate and study the operating conditions to confirm if these shoes are suitable.

Select the narrowest shoe possible to meet the required flotation and ground pressure. Application of wider shoes than recommendations will cause unexpected problem such as bending of shoes, crack of link, breakage of pin, loosening of shoe bolts and the other various problems.

Table 1

Model	Track shoe	Specification	Category
HX140 LT3 HX140 LDT3	500 mm triple grouser	Option	A
	600 mm triple grouser	Standard	B
	700 mm triple grouser	Option	C
HX140 HWT3	700 mm triple grouser	Option	C
	800 mm triple grouser	Option	C

Table 2

Category	Applications	Precautions
A	Rocky ground, river beds, normal soil	<ul style="list-style-type: none">Travel at low speed on rough ground with large obstacles such as boulders or fallen trees or a wide range of general civil engineering work
B	Normal soil, soft ground	<ul style="list-style-type: none">These shoes cannot be used on rough ground with large obstacles such as boulders or fallen treesTravel at high speed only on flat groundTravel 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 BThese shoes cannot be used on rough ground with large obstacles such as boulders or fallen treesTravel at high speed only on flat groundTravel slowly at low speed if it is impossible to avoid going over obstacles

8. SPECIFICATIONS FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Maker / Model	Cummins / QSB4.5
Type	4-cycle, turbocharged, charge air cooled, electronic controlled diesel engine
Cooling method	Water cooled
Number of cylinders and arrangement	4 cylinders, in-line
Firing order	1-3-4-2
Combustion chamber type	Direct injection type
Cylinder bore \times stroke	107 \times 124 mm (4.21" \times 4.88")
Displacement	4.5 ℓ (275 cu in)
Compression ratio	17.2 : 1
Gross power	130 Hp (97 kW) at 2000 rpm
Net power	127 Hp (95 kW) at 2000 rpm
Max. power	135 Hp (101 kW) at 1800 rpm
Peak Torque	620 N \cdot m (457 lbf \cdot ft) at 1500 rpm
Engine oil quantity	11 ℓ (2.9 U.S. gal)
Wet weight	371 kg (818 lb)
Starter motor	24 V-4.8 kW
Alternator	24 V-70 A

2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 \times 72.9 cc/rev
Maximum pressure	350 kgf/cm ² (4980 psi)
Maximum pressure (power boost)	380 kgf/cm ² (5400 psi)
Rated oil flow	2 \times 131 ℓ /min (34.6 U.S. gpm / 28.8 U.K. gpm)
Rated speed	1800 rpm

3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	15 cc/rev
Maximum pressure	40 kgf/cm ² (570 psi)
Rated oil flow	27 ℓ /min (7.1 U.S. gpm/5.9 U.K. gpm)

4) MAIN CONTROL VALVE

Item		Specification
Type		11 spools
Operating method		Hydraulic pilot system
Main relief valve pressure		350 kgf/cm² (4980 psi) [380 kgf/cm² (5400 psi)]
Port relief valve pressure	Boom	400 kgf/cm² (5690 psi)
	Arm	400 kgf/cm² (5690 psi)
	Bucket	400 kgf/cm² (5690 psi)

[] : Power boost

5) SWING MOTOR

Item		Specification
Type		Fixed displacement axial piston motor
Capacity		72 cc/rev
Relief pressure		280 kgf/cm² (3990 psi)
Braking system		Automatic, spring applied hydraulic released
Swing brake		Multi wet disc
Braking torque		640 kgf · m (4630 lbf · ft) over
Brake release pressure	Cracking	18 kgf/cm² (256 psi)
	Full stroke	24 kgf/cm² (341 psi)
Swing bearing lubrication		Grease-bathed
Reduction gear type		2 - stage planetary

6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement axial piston motor
Capacity	77/44.5 cc/rev
Relief pressure	350 kgf/cm ² (4980 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	1779 kgf · m (12868 lbf · ft)
Brake release pressure	12.5~15.9 kgf/cm ² (202~239 psi)
Reduction gear type	2-stage planetary

7) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Stroke	Ø 105 × 1080 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Stroke	Ø 115 × 1108 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Stroke	Ø 100 × 900 mm
	Cushion	Extend only
Dozer cylinder	Bore dia × Stroke	Ø 100 × 250 mm
	Cushion	Extend only

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

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

9. RECOMMENDED OILS

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

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

Service point	Kind of fluid	Capacity ℓ (U.S. gal)	Ambient temperature °C(°F)								
			-50 (-58)	-30 (-22)	-20 (-4)	-10 (14)	0 (32)	10 (50)	20 (68)	30 (86)	40 (104)
Engine oil pan	Engine oil	11 (2.9)	★SAE 0W-40								
				SAE 5W-40							
					SAE 15W-40						
Swing drive	Gear oil	3.5 (0.9)	★SAE 75W-90								
Final drive		2.3x2 (0.6x2)			SAE 80W-90						
Hydraulic tank	Hydraulic oil	Tank 120 (31.7)	★ISO VG 15								
		System 210 (55.5)		ISO VG 32							
						ISO VG 68					
Fuel tank	Diesel fuel	270 (71.3)	★ASTM D975 NO.1								
						ASTM D975 NO.2					
Fitting (grease nipple)	Grease	As required	★NLGI NO.1								
					NLGI NO.2						
Radiator (reservoir tank)	Mixture of antifreeze and soft water★1	23 (6.1)		Ethylene glycol base permanent type (50 : 50)							
			★Ethylene glycol base permanent type (60 : 40)								

SAE : Society of Automotive Engineers

★ : Cold region (Russia, CIS, Mongolia)

API : American Petroleum Institute

★1 : Soft water

ISO : International Organization for Standardization

City water or distilled water

NLGI : National Lubricating Grease Institute

ASTM : American Society of Testing and Material

※ 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.