

SECTION 1 GENERAL



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SECTION 1 GENERAL

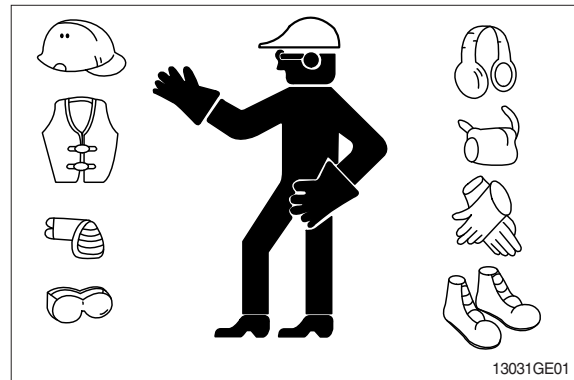
GROUP 1 SAFETY

FOLLOW SAFE PROCEDURE

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

WEAR PROTECTIVE CLOTHING

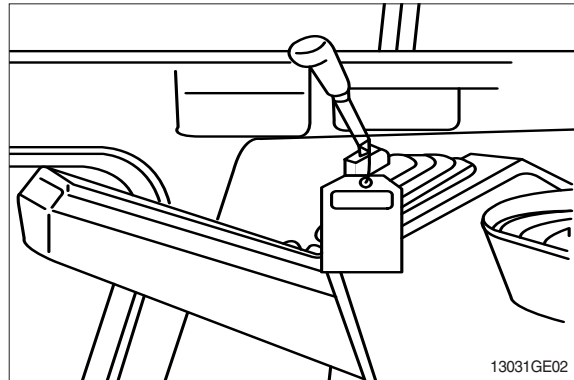
Wear close fitting clothing and safety equipment appropriate to the job.



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.



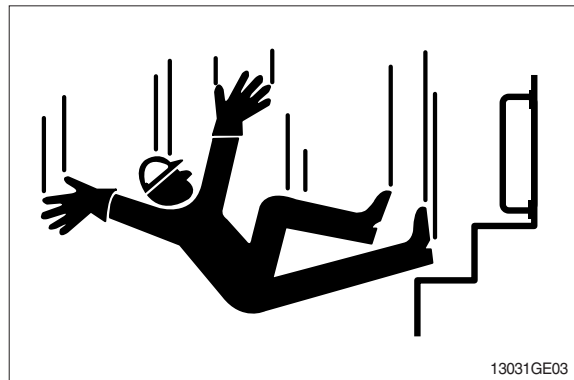
USE HANDHOLDS AND STEPS

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.

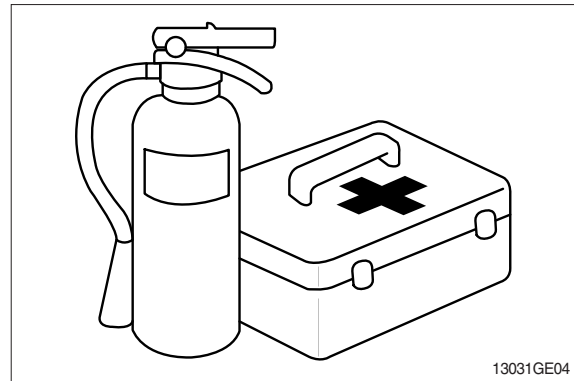


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

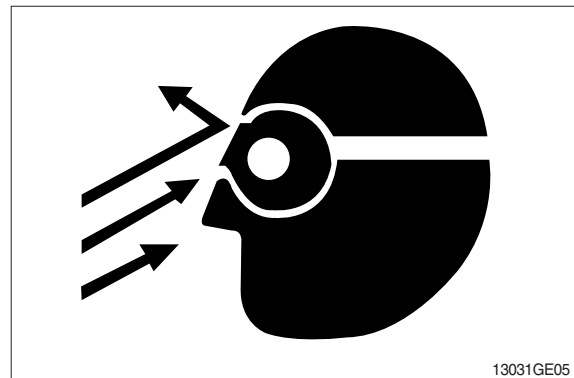
Keep a first aid kit and fire extinguisher handy.

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



PROTECT AGAINST FLYING DEBRIS

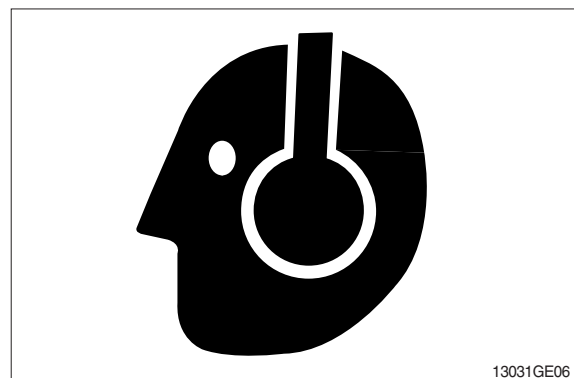
Guard against injury from flying pieces of metal or debris; Wear goggles or safety glasses.



PROTECT AGAINST NOISE

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

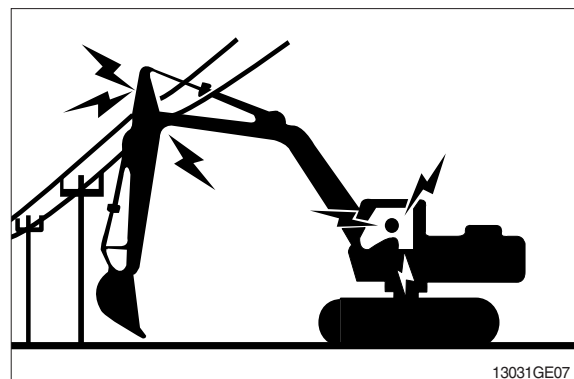
Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



AVOID POWER LINES

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

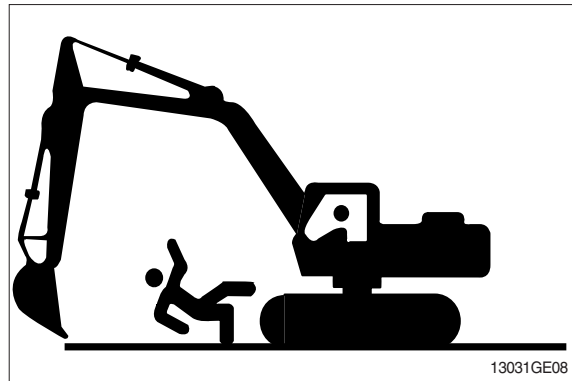
Never move any part of the machine or load closer to electric line than 3m(10ft) plus twice the line insulator length.



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.

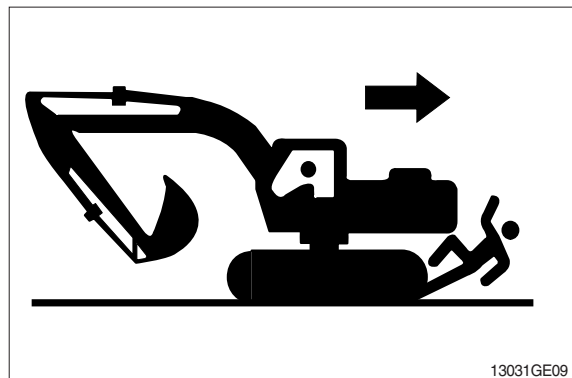


MOVE AND OPERATE MACHINE SAFELY

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:

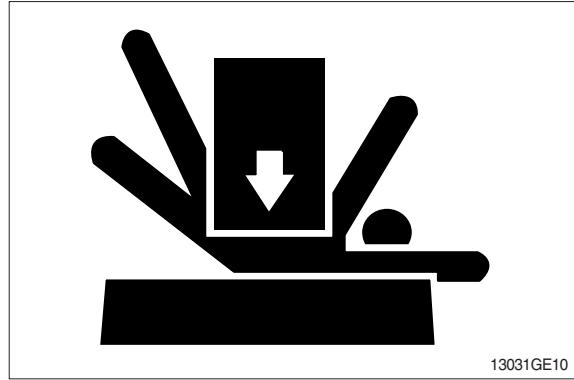
- Park machine on a level surface.
- Lower bucket to the ground.
- Turn auto idle switch off.
- Run engine at low idle speed without load for 5 minutes.
- Turn key switch to OFF to stop engine. Remove key from switch.
- Place safety lever to locked position.
- Allow engine to cool.

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.

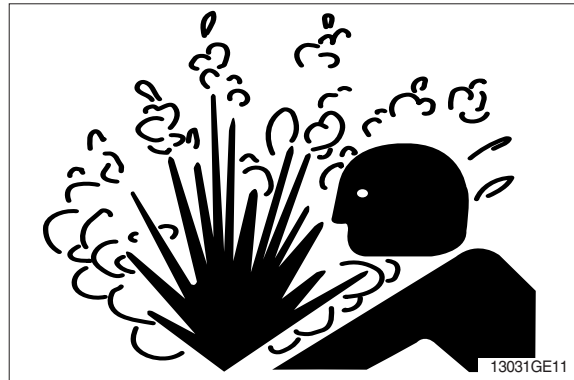
Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.



SERVICE COOLING SYSTEM SAFELY

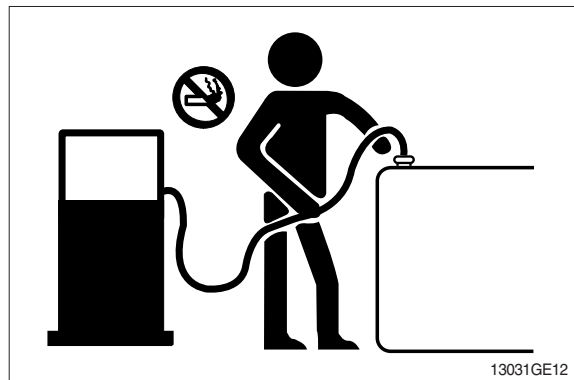
Explosive release of fluids from pressurized cooling system can cause serious burns.

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



HANDLE FLUIDS SAFELY-AVOID FIRES

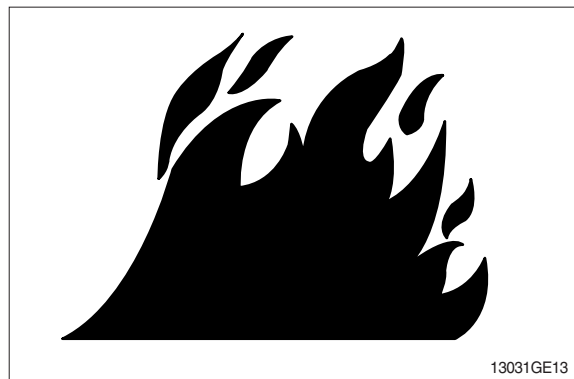
Handle fuel with care; It is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks. Always stop engine before refueling machine. Fill fuel tank outdoors.



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

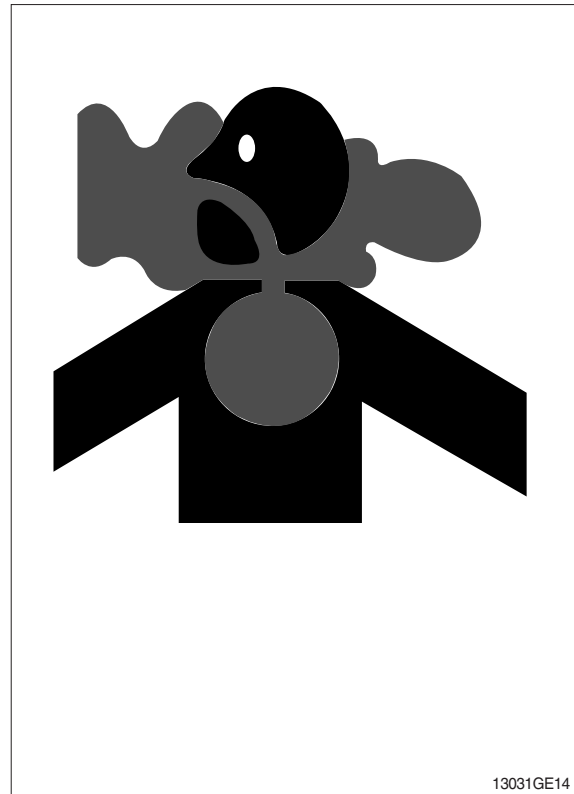
Avoid potentially toxic fumes and dust.

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

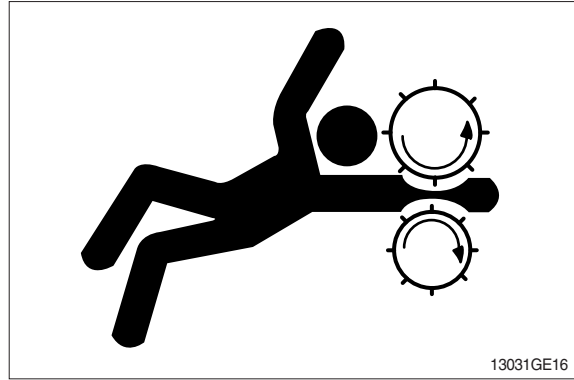
Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.



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.

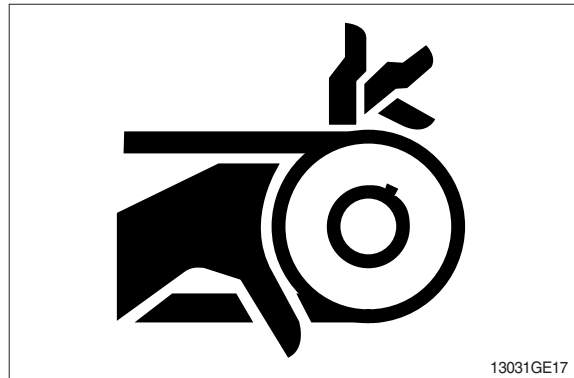
Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



STAY CLEAR OF MOVING PARTS

Entanglements in moving parts can cause serious injury.

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



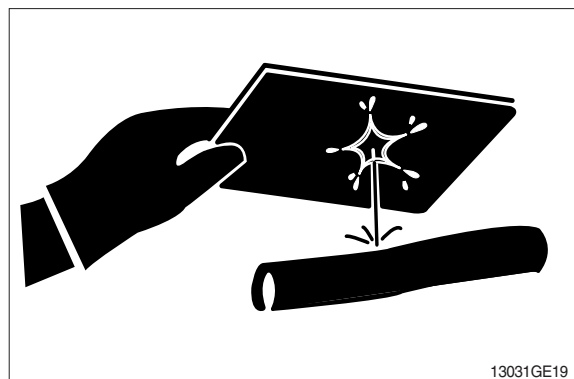
AVOID HIGH PRESSURE FLUIDS

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.

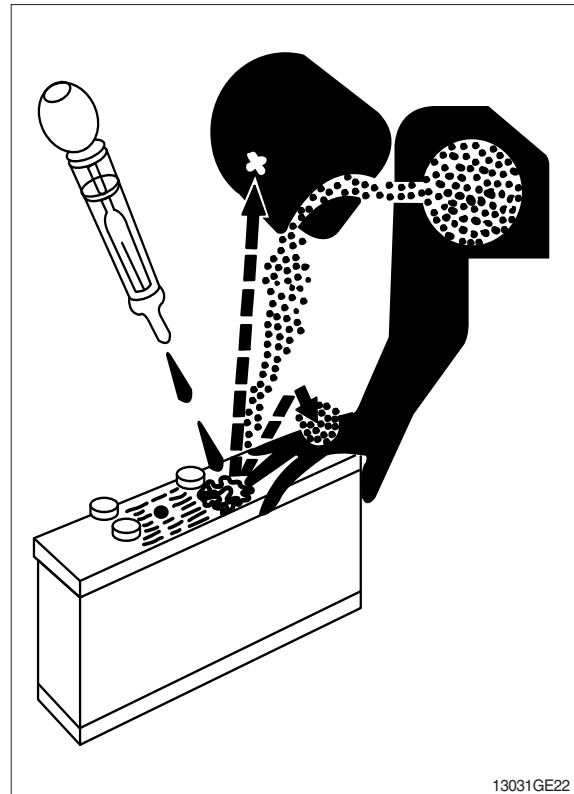
If you spill acid on yourself:

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

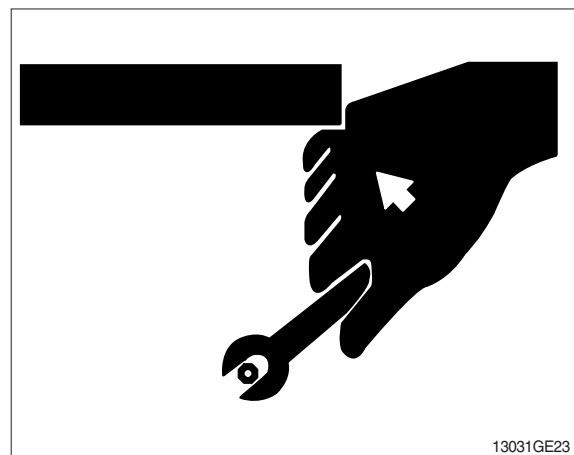
Use tools appropriate to the work. Makeshift tools, parts, and procedures can create safety hazards.

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.)

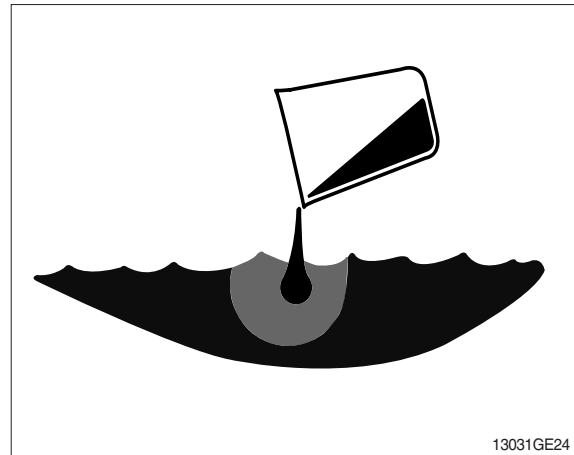


DISPOSE OF FLUIDS PROPERLY

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.

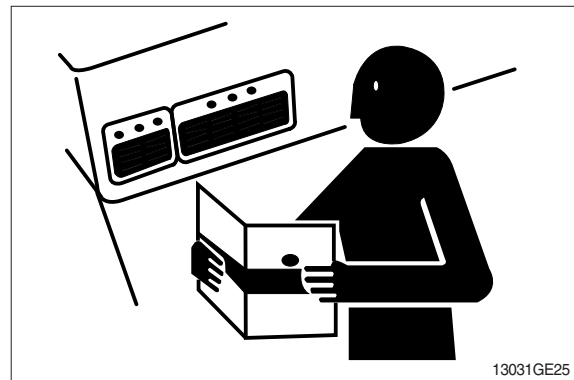
Use proper containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

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.

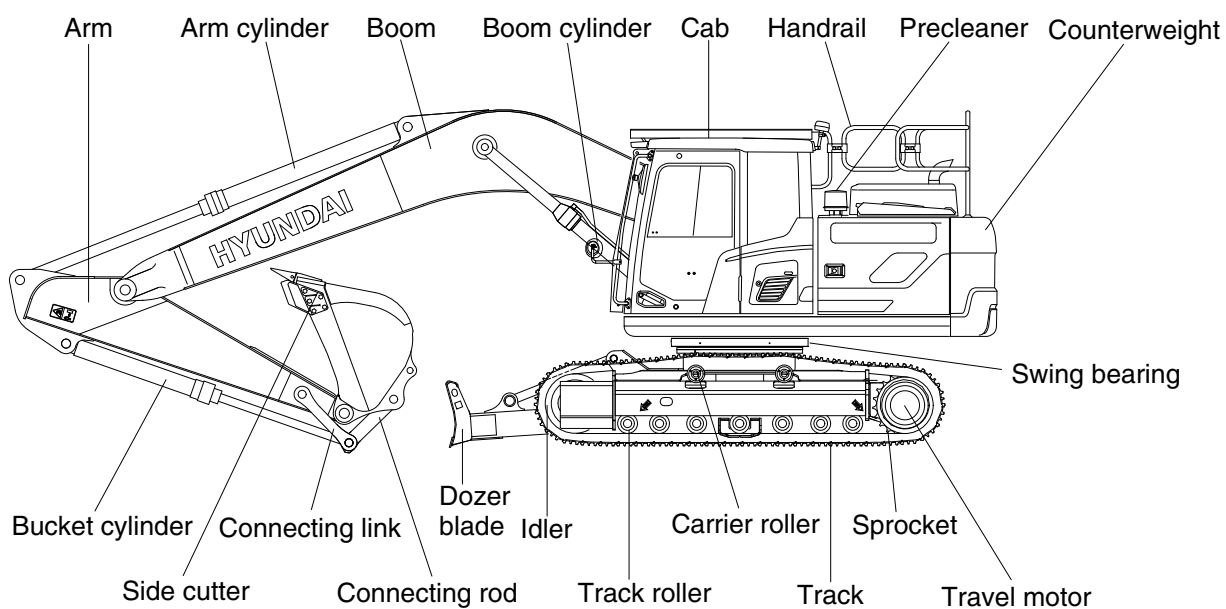
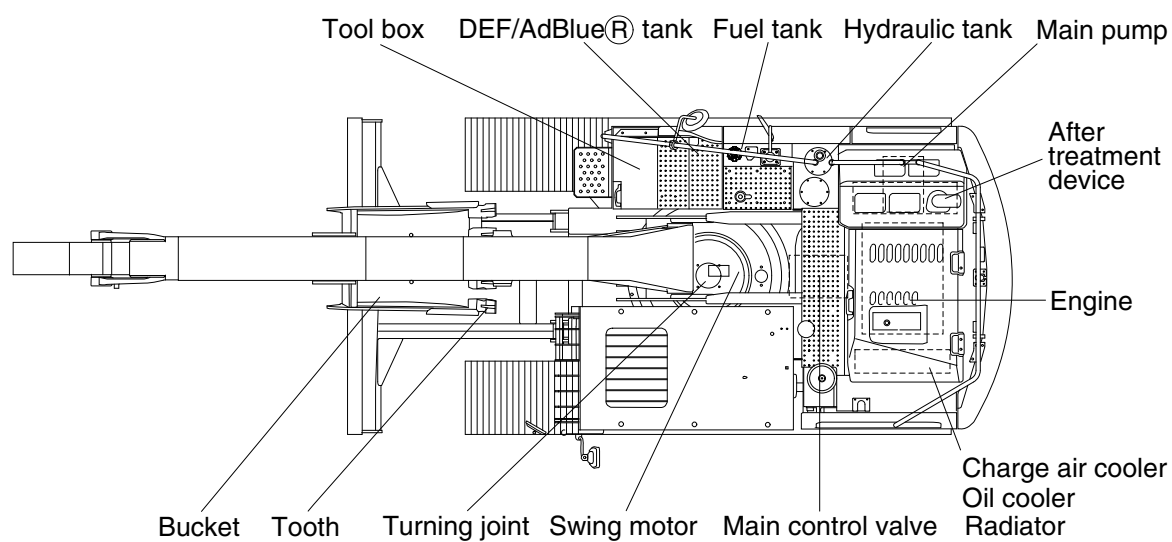


LIVE WITH SAFETY

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

GROUP 2 SPECIFICATIONS

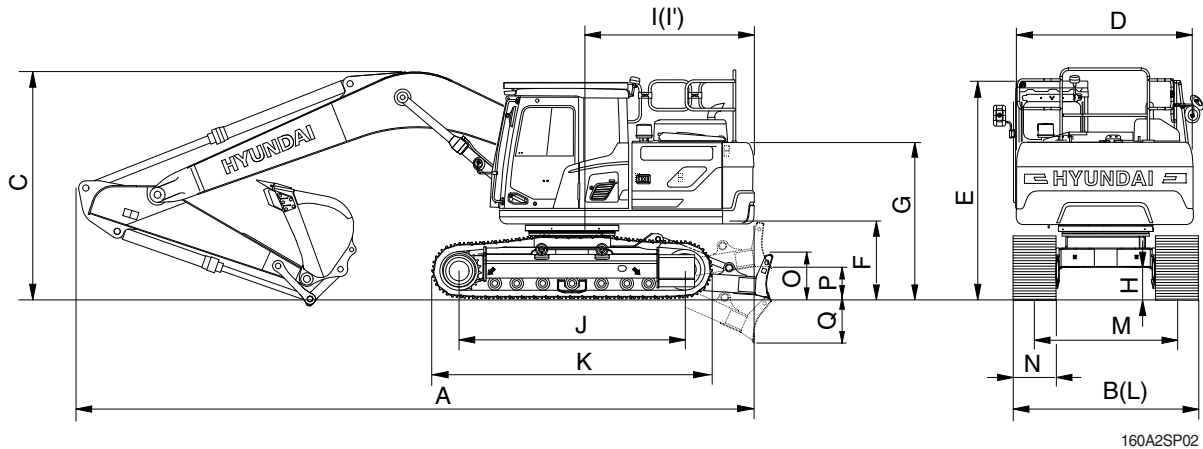
1. MAJOR COMPONENT



160A2SP01

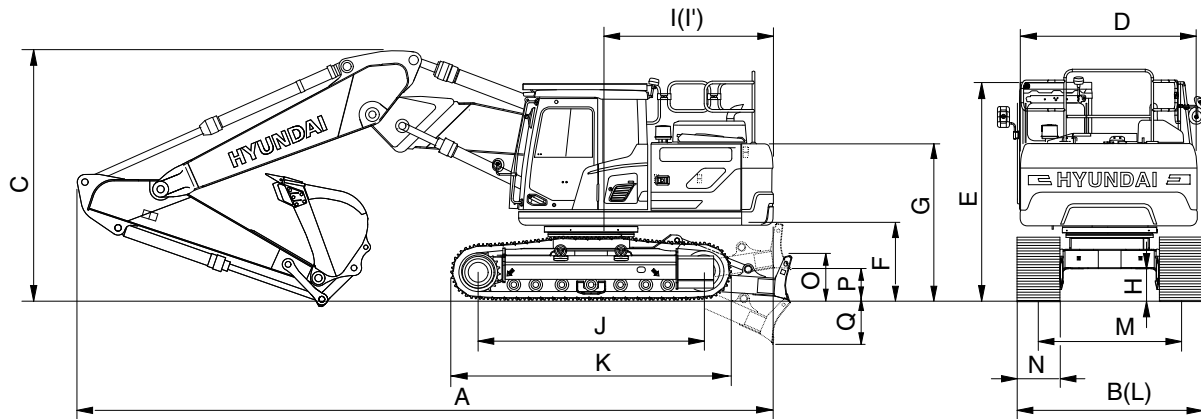
2. SPECIFICATIONS

1) HX160A L, MONO BOOM



Description	Unit		Specification		
	m (ft-in)	Boom	5.1 (16' 9")		
		Arm	2.2 (7' 3")	2.6 (8' 6")	3.1 (10' 2")
	mm (in)	Shoe	600 (24)		
Operating weight	kg (lb)		17645 (38900)	17695 (39010)	17720 (39070)
Overall length	A	mm (ft-in)	8650 (28' 5")	8660 (28' 5")	8670 (28' 5")
Overall width	B		2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Overall width with add footboard	B'		2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Overall height of boom	C		3030 (9' 11")	3040 (10' 0")	3195 (10' 6")
Overall width of upper structure	D		2475 (8' 1")	2475 (8' 1")	2475 (8' 1")
Overall height of cab	E		2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Ground clearance of counterweight	F		1060 (3' 6")	1060 (3' 6")	1060 (3' 6")
Overall height of engine hood	G		2535 (8' 4")	2535 (8' 4")	2535 (8' 4")
Overall height of handrail	G'		3250 (10' 8")	3250 (10' 8")	3250 (10' 8")
Minimum ground clearance	H		460 (1' 6")	460 (1' 6")	460 (1' 6")
Rear-end distance	I		2490 (8' 2")	2490 (8' 2")	2490 (8' 2")
Rear-end swing radius	I'		2490 (8' 2")	2490 (8' 2")	2490 (8' 2")
Distance between tumblers	J		3170 (10' 5")	3170 (10' 5")	3170 (10' 5")
Undercarriage length (without grouser)	K		3910 (12' 10")	3910 (12' 10")	3910 (12' 10")
Undercarriage length (with grouser)	K'		3960 (13' 0")	3960 (13' 0")	3960 (13' 0")
Undercarriage width	L		2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Undercarriage width with add footboard	L'		2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Track gauge	M		1990 (6' 6")	1990 (6' 6")	1990 (6' 6")
Track shoe width, standard	N		600 (2' 0")	600 (2' 0")	600 (2' 0")
Height of blade	O		640 (2' 1")	640 (2' 1")	640 (2' 1")
Ground clearance of blade up	P		615 (2' 0")	615 (2' 0")	615 (2' 0")
Depth of blade down	Q		670 (2' 2")	670 (2' 2")	670 (2' 2")
Track shoe link quantity	EA		49	49	49
Travel speed (low/high)	km/hr (mph)		3.1 / 5.4 (1.9/3.4)	3.1 / 5.4 (1.9/3.4)	3.1 / 5.4 (1.9/3.4)
Swing speed	rpm		10.3	10.3	10.3
Gradeability	Degree (%)		35 (70)	35 (70)	35 (70)
Ground pressure	kgf/cm ² (psi)		0.43 (6.10)	0.43 (6.12)	0.43 (6.12)
Max traction force	kg (lb)		16700 (36820)	16700 (36820)	16700 (36820)

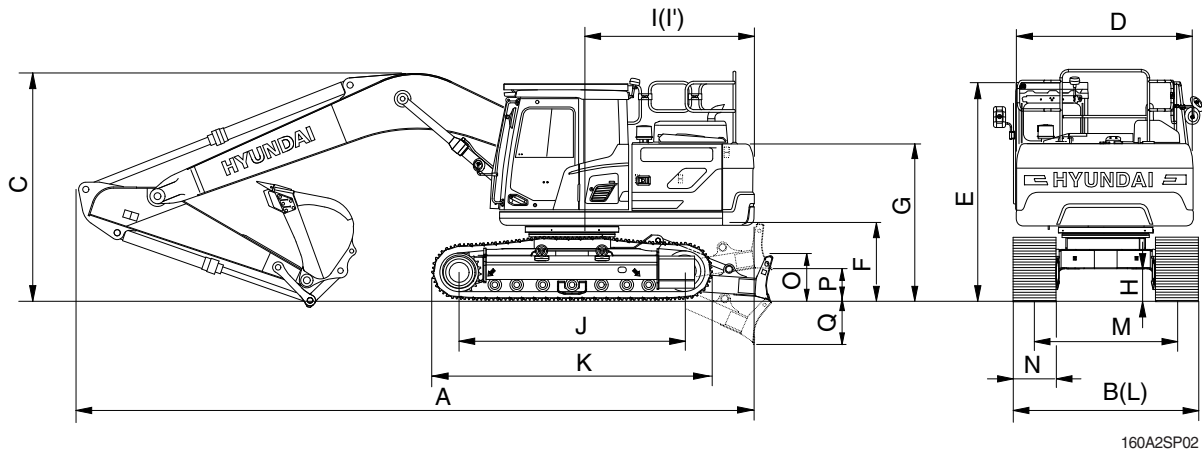
2) HX160A L, 2-PIECE BOOM



160A2SP03

Description		Unit		Specification	
		m (ft-in)	Boom	5.1 (16' 9")	
			Arm	2.2 (7' 3")	2.6 (8' 6")
		mm (in)	Shoe	600 (24)	
Operating weight		kg (lb)		18810 (41470)	18865 (41590)
Overall length	A	mm (ft-in)		8575 (28' 2")	8585 (28' 2")
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			3060 (10' 0")	3035 (9' 11")
Overall width of upper structure	D			2475 (8' 1")	2475 (8' 1")
Overall height of cab	E			2980 (9' 9")	2980 (9' 9")
Ground clearance of counterweight	F			1060 (3' 6")	1060 (3' 6")
Overall height of engine hood	G			2535 (8' 4")	2535 (8' 4")
Overall height of handrail	G'			3250 (10' 8")	3250 (10' 8")
Minimum ground clearance	H			460 (1' 6")	460 (1' 6")
Rear-end distance	I			2490 (8' 2")	2490 (8' 2")
Rear-end swing radius	I'			2490 (8' 2")	2490 (8' 2")
Distance between tumblers	J			3170 (10' 5")	3170 (10' 5")
Undercarriage length (without grouser)	K			3910 (12' 10")	3910 (12' 10")
Undercarriage length (with grouser)	K'			3960 (13' 0")	3960 (13' 0")
Undercarriage width	L			2590 (8' 6")	2590 (8' 6")
Undercarriage width with add footboard	L'			2590 (8' 6")	2590 (8' 6")
Track gauge	M			1990 (6' 6")	1990 (6' 6")
Track shoe width, standard	N			600 (2' 0")	600 (2' 0")
Height of blade	O			640 (2' 1")	640 (2' 1")
Ground clearance of blade up	P			615 (2' 0")	615 (2' 0")
Depth of blade down	Q			670 (2' 2")	670 (2' 2")
Track shoe link quantity		EA		49	49
Travel speed (low/high)		km/hr (mph)		3.1 / 5.4 (1.9/3.4)	3.1 / 5.4 (1.9/3.4)
Swing speed		rpm		10.3	10.3
Gradeability		Degree (%)		35 (70)	35 (70)
Ground pressure		kgf/cm ² (psi)		0.46 (6.50)	0.46 (6.52)
Max traction force		kg (lb)		16700 (36820)	16700 (36820)

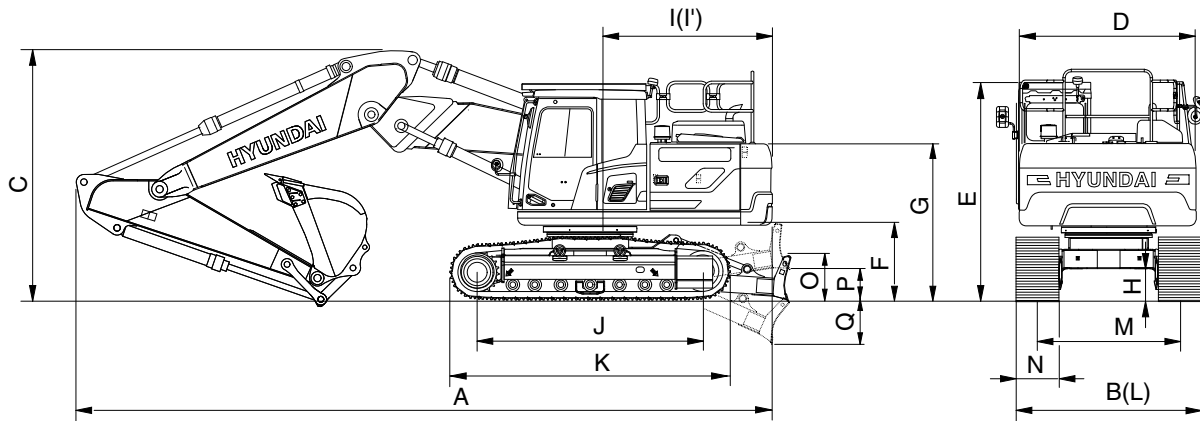
3) HX180A L, MONO BOOM



160A2SP02

Description		Unit		Specification		
		m (ft-in)	Boom	5.1 (16' 9")		
			Arm	2.2 (7' 3")	2.6 (8' 6")	3.1 (10' 2")
		mm (in)	Shoe	700 (28)		
Operating weight		kg (lb)		18610 (41030)	18665 (41150)	18690 (41200)
Overall length	A	mm (ft-in)		8650 (28' 5")	8660 (28' 5")	8670 (28' 5")
Overall width	B			2950 (9' 8")	2950 (9' 8")	2950 (9' 8")
Overall width with add footboard	B'			2950 (9' 8")	2950 (9' 8")	2950 (9' 8")
Overall height of boom	C			3030 (9' 11")	3040 (10' 0")	3195 (10' 6")
Overall width of upper structure	D			2475 (8' 1")	2475 (8' 1")	2475 (8' 1")
Overall height of cab	E			2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Ground clearance of counterweight	F			1060 (3' 6")	1060 (3' 6")	1060 (3' 6")
Overall height of engine hood	G			2535 (8' 4")	2535 (8' 4")	2535 (8' 4")
Overall height of handrail	G'			3250 (10' 8")	3250 (10' 8")	3250 (10' 8")
Minimum ground clearance	H			460 (1' 6")	460 (1' 6")	460 (1' 6")
Rear-end distance	I			2490 (8' 2")	2490 (8' 2")	2490 (8' 2")
Rear-end swing radius	I'			2490 (8' 2")	2490 (8' 2")	2490 (8' 2")
Distance between tumblers	J			3360 (11' 0")	3360 (11' 0")	3360 (11' 0")
Undercarriage length (without grouser)	K			4100 (13' 5")	4100 (13' 5")	4100 (13' 5")
Undercarriage length (with grouser)	K'			4150 (13' 7")	4150 (13' 7")	4150 (13' 7")
Undercarriage width	L			2950 (9' 8")	2950 (9' 8")	2950 (9' 8")
Undercarriage width with add footboard	L'			2950 (9' 8")	2950 (9' 8")	2950 (9' 8")
Track gauge	M			2250 (7' 5")	2250 (7' 5")	2250 (7' 5")
Track shoe width, standard	N			700 (2' 4")	700 (2' 4")	700 (2' 4")
Height of blade	O			640 (2' 1")	640 (2' 1")	640 (2' 1")
Ground clearance of blade up	P			615 (2' 0")	615 (2' 0")	615 (2' 0")
Depth of blade down	Q			670 (2' 2")	670 (2' 2")	670 (2' 2")
Track shoe link quantity		EA		51	51	51
Travel speed (low/high)		km/hr (mph)		3.1 / 5.4 (1.9/3.4)	3.1 / 5.4 (1.9/3.4)	3.1 / 5.4 (1.9/3.4)
Swing speed		rpm		10.3	10.3	10.3
Gradeability		Degree (%)		35 (70)	35 (70)	35 (70)
Ground pressure		kgf/cm ² (psi)		0.37 (5.22)	0.37 (5.24)	0.37 (5.25)
Max traction force		kg (lb)		16700 (36820)	16700 (36820)	16700 (36820)

4) HX180A L, 2-PIECE BOOM

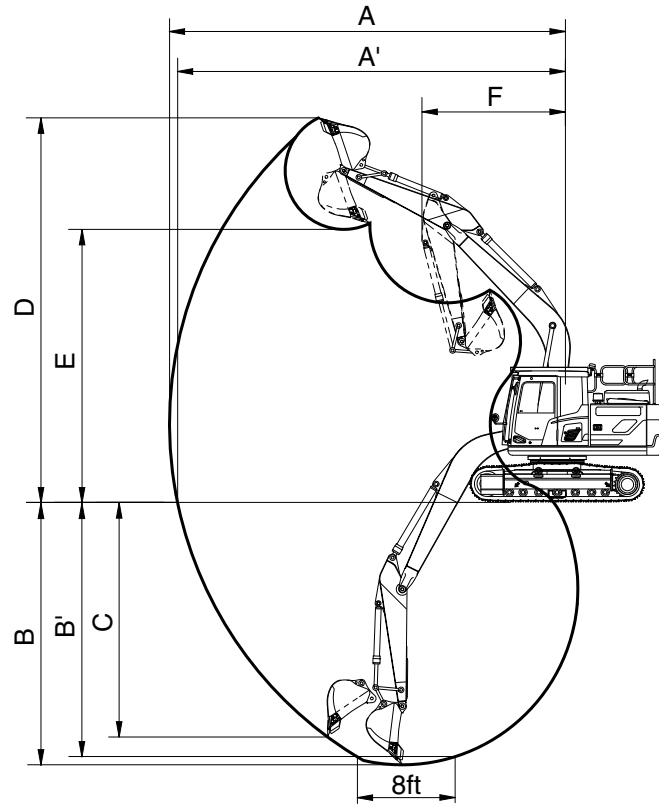


160A2SP03

Description		Unit		Specification	
		m (ft-in)	Boom	5.1 (16' 9")	
			Arm	2.2 (7' 3")	2.6 (8' 6")
		mm (in)	Shoe	700 (28)	
Operating weight		kg (lb)		19480 (42950)	19535 (43070)
Overall length	A	mm (ft-in)		8575 (28' 2")	8585 (28' 2")
Overall width	B			2950 (9' 8")	2950 (9' 8")
Overall width with add footboard	B'			2950 (9' 8")	2950 (9' 8")
Overall height of boom	C			3060 (10' 0")	3035 (9' 11")
Overall width of upper structure	D			2475 (8' 1")	2475 (8' 1")
Overall height of cab	E			2980 (9' 9")	2980 (9' 9")
Ground clearance of counterweight	F			1060 (3' 6")	1060 (3' 6")
Overall height of engine hood	G			2535 (8' 4")	2535 (8' 4")
Overall height of handrail	G'			3250 (10' 8")	3250 (10' 8")
Minimum ground clearance	H			460 (1' 6")	460 (1' 6")
Rear-end distance	I			2490 (8' 2")	2490 (8' 2")
Rear-end swing radius	I'			2490 (8' 2")	2490 (8' 2")
Distance between tumblers	J			3360 (11' 0")	3360 (11' 0")
Undercarriage length (without grouser)	K			4100 (13' 5")	4100 (13' 5")
Undercarriage length (with grouser)	K'			4150 (13' 7")	4150 (13' 7")
Undercarriage width	L			2950 (9' 8")	2950 (9' 8")
Undercarriage width with add footboard	L'			2950 (9' 8")	2950 (9' 8")
Track gauge	M			2250 (7' 5")	2250 (7' 5")
Track shoe width, standard	N			700 (2' 4")	700 (2' 4")
Height of blade	O			640 (2' 1")	640 (2' 1")
Ground clearance of blade up	P			615 (2' 0")	615 (2' 0")
Depth of blade down	Q			670 (2' 2")	670 (2' 2")
Track shoe link quantity		EA		51	51
Travel speed (low/high)		km/hr (mph)		3.1 / 5.4 (1.9/3.4)	3.1 / 5.4 (1.9/3.4)
Swing speed		rpm		10.3	10.3
Gradeability		Degree (%)		35 (70)	35 (70)
Ground pressure		kgf/cm ² (psi)		0.38 (5.47)	0.39 (5.48)
Max traction force		kg (lb)		16700 (36820)	16700 (36820)

3. WORKING RANGE AND DIGGING FORCE

1) HX160A L, MONO BOOM

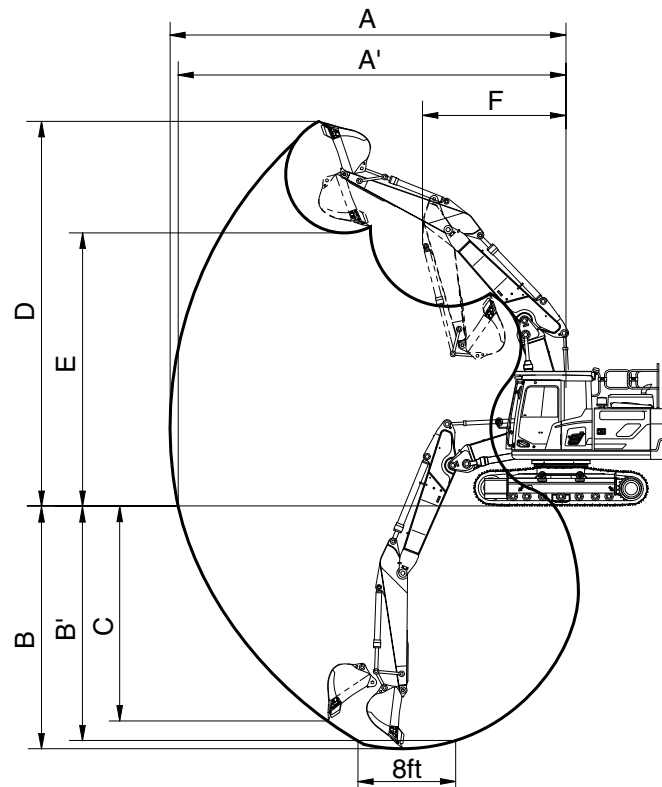


160A2SP10

Description	m (ft-in)	Boom	5.1 (16' 9")		
		Arm	2.2 (7' 3")	2.6 (8' 6")	3.1 (10' 2")
Max digging reach	mm (ft-in)	A	9020 (29' 7")	8690 (28' 6")	9450 (31' 0")
Max digging reach on ground		A'	8860 (29' 1")	8530 (28' 0")	9300 (30' 6")
Max digging depth		B	6030 (19' 9")	5630 (18' 6")	6530 (21' 5")
Max digging depth (8 ft level)		B'	5825 (19' 1")	5410 (17' 9")	6340 (20' 10")
Max vertical wall digging depth		C	3600 (11' 10")	3410 (11' 2")	3845 (12' 7")
Max digging height		D	8750 (28' 8")	8670 (28' 5")	8880 (29' 2")
Max dumping height		E	6250 (20' 6")	6140 (20' 2")	6410 (21' 0")
Min swing radius		F	3170 (10' 5")	3180 (10' 5")	3160 (10' 4")
Bucket digging force	kN	SAE	107.9 [117.2]	107.7 [117]	107.9 [117.2]
	kgf		11004 [11950]	10987 [11930]	11006 [11950]
	lbf		24259 [26345]	24222 [26301]	24264 [26345]
	kN	ISO	126.4 [137.3]	126.2 [137.1]	126.5 [137.3]
	kgf		12892 [14000]	12872 [13980]	12894 [14000]
	lbf		28421 [30865]	28379 [30821]	28427 [30865]
Arm digging force	kN	SAE	77.3 [83.8]	87.2 [94.6]	69 [74.9]
	kgf		7878.9 [8550]	8888.7 [9650]	7035 [7640]
	lbf		17370 [18850]	19596 [21275]	15510 [16843]
	kN	ISO	80.8 [87.7]	91.6 [99.4]	71.7 [77.9]
	kgf		8236.5 [8940]	9339.4 [10140]	7313.9 [7940]
	lbf		18158 [19709]	20590 [22355]	16124 [17505]

[] : Power boost

2) HX160A L, 2-PIECE BOOM

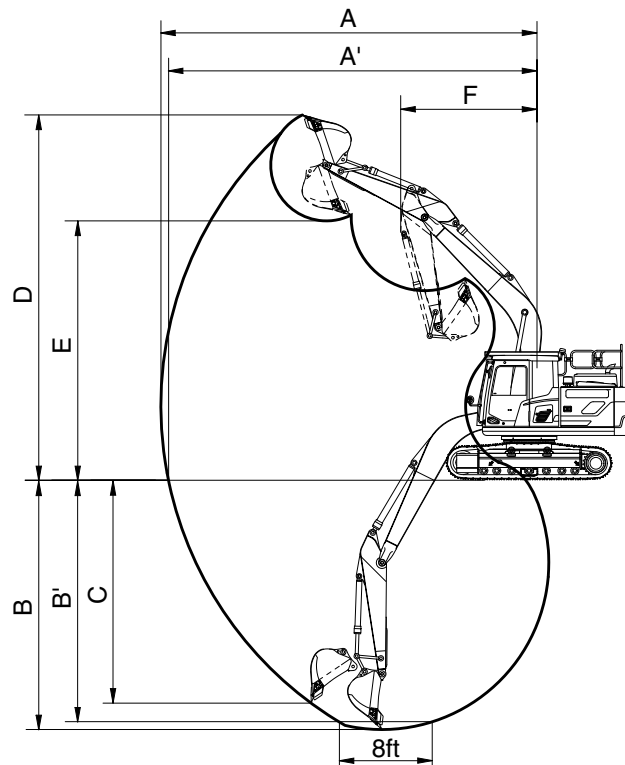


160A2SP11

Description	m (ft-in)	Boom	5.1 (16' 9")	
		Arm	2.2 (7' 3")	2.6 (8' 6")
Max digging reach	mm (ft-in)	A	8760 (28' 9")	9110 (29' 11")
Max digging reach on ground		A'	8600 (28' 3")	8955 (29' 5")
Max digging depth		B	5690 (18' 8")	5305 (17' 5")
Max digging depth (8 ft level)		B'	5590 (18' 4")	5200 (17' 1")
Max vertical wall digging depth		C	3790 (12' 5")	3520 (11' 7")
Max digging height		D	9380 (30' 9")	9560 (31' 4")
Max dumping height		E	6720 (22' 1")	6920 (22' 8")
Min swing radius		F	3090 (10' 2")	2970 (9' 9")
Bucket digging force	kN	SAE	107.9 [117.2]	107.7 [117]
	kgf		11004 [11950]	10987 [11930]
	lbf		24259 [26345]	24222 [26301]
	kN	ISO	126.4 [137.3]	126.2 [137.1]
	kgf		12892 [14000]	12872 [13980]
	lbf		28421 [30865]	28379 [30821]
Arm digging force	kN	SAE	77.3 [83.8]	87.2 [94.6]
	kgf		7878.9 [8550]	8888.7 [9650]
	lbf		17370 [18850]	19596 [21275]
	kN	ISO	80.8 [87.7]	91.6 [99.4]
	kgf		8236.5 [8940]	9339.4 [10140]
	lbf		18158 [19709]	20590 [22355]

[] : Power boost

3) HX180A L, MONO BOOM

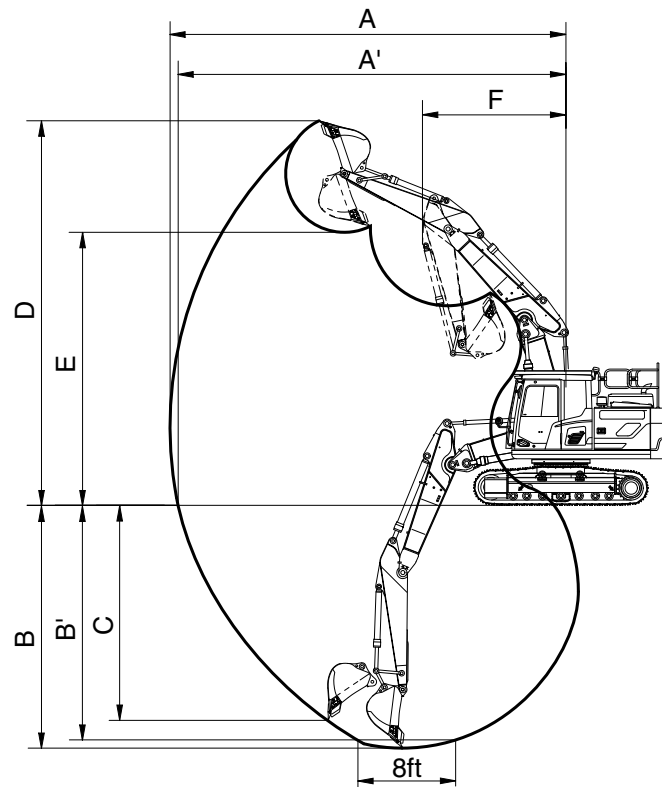


160A2SP10

Description	m (ft-in)	Boom	5.1 (16' 9")		
		Arm	2.2 (7' 3")	2.6 (8' 6")	3.1 (10' 2")
Max digging reach	mm (ft-in)	A	9020 (29' 7")	8690 (28' 6")	9450 (31' 0")
Max digging reach on ground		A'	8860 (29' 1")	8530 (28' 0")	9300 (30' 6")
Max digging depth		B	6030 (19' 9")	5630 (18' 6")	6530 (21' 5")
Max digging depth (8 ft level)		B'	5825 (19' 1")	5410 (17' 9")	6340 (20' 10")
Max vertical wall digging depth		C	3600 (11' 10")	3410 (11' 2")	3845 (12' 7")
Max digging height		D	8750 (28' 8")	8670 (28' 5")	8880 (29' 2")
Max dumping height		E	6250 (20' 6")	6140 (20' 2")	6410 (21' 0")
Min swing radius		F	3170 (10' 5")	3180 (10' 5")	3160 (10' 4")
Bucket digging force	kN	SAE	107.9 [117.2]	107.7 [117]	107.9 [117.2]
	kgf		11004 [11950]	10987 [11930]	11006 [11950]
	lbf		24259 [26345]	24222 [26301]	24264 [26345]
	kN	ISO	126.4 [137.3]	126.2 [137.1]	126.5 [137.3]
	kgf		12892 [14000]	12872 [13980]	12894 [14000]
	lbf		28421 [30865]	28379 [30821]	28427 [30865]
Arm digging force	kN	SAE	77.3 [83.8]	87.2 [94.6]	69 [74.9]
	kgf		7878.9 [8550]	8888.7 [9650]	7035 [7640]
	lbf		17370 [18850]	19596 [21275]	15510 [16843]
	kN	ISO	80.8 [87.7]	91.6 [99.4]	71.7 [77.9]
	kgf		8236.5 [8940]	9339.4 [10140]	7313.9 [7940]
	lbf		18158 [19709]	20590 [22355]	16124 [17505]

[] : Power boost

4) HX180A L, 2-PIECE BOOM



160A2SP11

Description	m (ft-in)	Boom	5.1 (16' 9")	
		Arm	2.2 (7' 3")	2.6 (8' 6")
Max digging reach	mm (ft-in)	A	8760 (28' 9")	9110 (29' 11")
Max digging reach on ground		A'	8600 (28' 3")	8955 (29' 5")
Max digging depth		B	5690 (18' 8")	5305 (17' 5")
Max digging depth (8 ft level)		B'	5590 (18' 4")	5200 (17' 1")
Max vertical wall digging depth		C	3790 (12' 5")	3520 (11' 7")
Max digging height		D	9380 (30' 9")	9560 (31' 4")
Max dumping height		E	6720 (22' 1")	6920 (22' 8")
Min swing radius		F	3090 (10' 2")	2970 (9' 9")
Bucket digging force	kN	SAE	107.9 [117.2]	107.7 [117]
	kgf		11004 [11950]	10987 [11930]
	lbf		24259 [26345]	24222 [26301]
	kN	ISO	126.4 [137.3]	126.2 [137.1]
	kgf		12892 [14000]	12872 [13980]
	lbf		28421 [30865]	28379 [30821]
Arm digging force	kN	SAE	77.3 [83.8]	87.2 [94.6]
	kgf		7878.9 [8550]	8888.7 [9650]
	lbf		17370 [18850]	19596 [21275]
	kN	ISO	80.8 [87.7]	91.6 [99.4]
	kgf		8236.5 [8940]	9339.4 [10140]
	lbf		18158 [19709]	20590 [22355]

[] : Power boost

4. WEIGHT

1) HX160A L

Item	Qty	HX160A L		HX160A LD	
	EA	kg	lb	kg	lb
Upperstructure assembly					
· Main frame weld assembly	1	1,413	3,115	1,413	3,115
· Engine assembly	1	383	844	383	844
· Aftertreatment assy	1	64	141	64	141
· Main pump assembly	1	89	196	89	196
· Main control valve assembly	1	140	309	140	309
· Swing motor assembly	1	261	575	261	575
· Hydraulic oil tank WA	1	136	300	136	300
· Fuel tank WA	1	147	324	147	324
· Counterweight	1	2,600	5,732	2,600	5,732
· Cab assembly	1	495	1,090	495	1,090
Lower chassis assembly					
· Track frame weld assembly	1	2,002	4,414	2,230	4,916
· Dozer blade assembly	1	-	-	652	1,437
· Swing bearing	1	260	573	260	573
· Travel motor assembly	2	600	1,323	600	1,323
· Turning joint	1	56	123	63	139
· Sprocket	2	49	109	49	109
· Track recoil spring	2	132	291	132	291
· Idler	2	151	332	151	332
· Upper roller	4	21	45	21	45
· Lower roller	14	40	88	40	88
· Track Guard	2	41	90	41	90
· Track-chain assembly (500 mm, 49 link)	2	1,061	2,338	1,061	2,338
· Track-chain assembly (600 mm, 49 link)	2	1,181	2,605	1,181	2,605
· Track-chain assembly (700 mm, 49 link)	2	1,305	2,877	1,305	2,877
Front attachment assembly					
· 5.1 m mono boom assembly	1	1,041	2,295	1,041	2,295
· 5.1 m 2-piece boom assembly	1	1,293	2,851	1,293	2,851
· 2.60 m arm assembly	1	550	1,213	550	1,213
· 2.20 m arm assembly	1	497	1,096	497	1,096
· 3.10 m arm assembly	1	578	1,274	578	1,274
· 2.60 m arm assembly (w/o reinforce)	1	543	1,197	543	1,197
· 3.10 m arm assembly (w/o reinforce)	1	570	1,257	570	1,257
· 0.88 m³ bucket assembly	1	662	1,459	662	1,459
· 0.96 m³ bucket assembly	1	726	1,601	726	1,601
· 0.73 m³ bucket assembly	1	617	1,361	617	1,361
· 0.85 m³ bucket assembly	1	669	1,476	669	1,476
· Boom cylinder assembly	2	280	617	280	617
· Arm cylinder assembly	1	172	379	172	379
· Bucket cylinder assembly	1	121	267	121	267
· 2-piece boom cylinder assembly	1	215	474	215	474
· Dozer cylinder assembly	2	-	-	132	291
· Bucket control linkage total	1	158	348	158	348

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

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

2) HX180A L

Item	Qty	HX180A L		HX180A LD	
	EA	kg	lb	kg	lb
Upperstructure assembly					
· Main frame weld assembly	1	1,413	3,115	1,413	3,115
· Engine assembly	1	383	844	383	844
· Aftertreatment assy	1	64	141	64	141
· Main pump assembly	1	89	196	89	196
· Main control valve assembly	1	140	309	140	309
· Swing motor assembly	1	261	575	61	134
· Hydraulic oil tank WA	1	136	300	136	300
· Fuel tank WA	1	147	324	147	324
· Counterweight	1	2,900	6,393	2,900	6,393
· Cab assembly	1	495	1,090	495	1,090
Lower chassis assembly					
· Track frame weld assembly	1	2,164	4,771	2,381	5,249
· Dozer blade assembly	1	0	0	700	1,543
· Swing bearing	1	260	573	260	573
· Travel motor assembly	2	600	1,323	600	1,323
· Turning joint	1	56	123	63	139
· Sprocket	2	49	109	49	109
· Track recoil spring	2	132	291	132	291
· Idler	2	152	332	152	332
· Upper roller	4	21	45	21	45
· Lower roller	14	48	105	48	105
· Track Guard	2	41	90	41	90
· Track-chain assembly (500 mm, 51 link)	2	1,109	2,445	1,109	2,445
· Track-chain assembly (600 mm, 51 link)	2	1,239	2,731	1,239	2,731
· Track-chain assembly (700 mm, 51 link)	2	1,371	3,022	1,371	3,022
· Track-chain assembly (800 mm, 51 link)	2	1,500	3,306	1,500	3,306
Front attachment assembly					
· 5.1 m mono boom assembly	1	1,041	2,295	1,041	2,295
· 5.1 m ² piece boom assembly	1	1,293	2,851	1,293	2,851
· 2.60 m arm assembly	1	550	1,213	550	1,213
· 2.20 m arm assembly	1	497	1,096	497	1,096
· 3.10 m arm assembly	1	578	1,274	578	1,274
· 2.60 m arm assembly (w/o reinforce)	1	543	1,197	543	1,197
· 3.10 m arm assembly (w/o reinforce)	1	570	1,257	570	1,257
· 0.88 m ³ bucket assembly	1	662	1,459	662	1,459
· 0.96 m ³ bucket assembly	1	726	1,601	726	1,601
· 0.73 m ³ bucket assembly	1	617	1,361	617	1,361
· 0.85 m ³ bucket assembly	1	669	1,476	669	1,476
· Boom cylinder assembly	2	280	617	280	617
· Arm cylinder assembly	1	172	379	172	379
· Bucket cylinder assembly	1	121	267	121	267
· 2-piece boom cylinder assembly	1	215	474	215	474
· Dozer cylinder assembly	2	-	-	132	291
· Bucket control linkage total	1	158	348	158	348

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

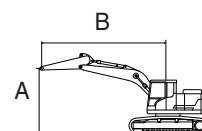
※ Refer to Transportation for actual weight information and Specifications for operating weight.

5. LIFTING CAPACITIES

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2200	2600	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m	kg									*3850	3340	5.86
(19.7 ft)	lb									*8490	7360	(19.2)
4.5 m	kg					*5320	5000	*4750	3200	*3630	2630	6.74
(14.8 ft)	lb					*11730	11020	*10470	7050	*8000	5800	(22.1)
3.0 m	kg					*6540	4670	4990	3070	*3650	2310	7.20
(9.8 ft)	lb					*14420	10300	11000	6770	*8050	5090	(23.6)
1.5 m	kg					7500	4360	4840	2940	3600	2200	7.33
(4.9 ft)	lb					16530	9610	10670	6480	7940	4850	(24.0)
0.0 m	kg					7310	4200	4730	2840	3700	2250	7.13
(0.0 ft)	lb					16120	9260	10430	6260	8160	4960	(23.4)
-1.5 m	kg			*9400	7730	7270	4170	4710	2820	4150	2510	6.58
(-4.9 ft)	lb			*20720	17040	16030	9190	10380	6220	9150	5530	(21.6)
-3.0 m	kg			*9400	7900	*6720	4250			*4980	3200	5.58
(-9.8 ft)	lb			*20720	17420	*14820	9370			*10980	7050	(18.3)

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.

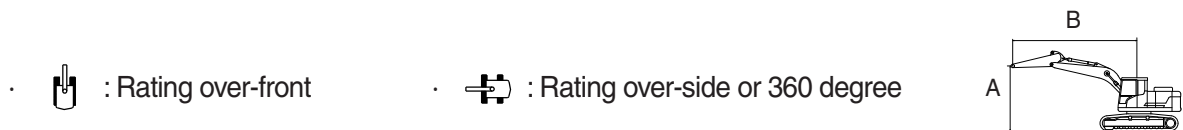
Lifting capacities will vary with different work tools, ground conditions and attachments.

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	
HX160A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	2600	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*3410 *7520	*3410 *7520	4.85 (15.9)
6.0 m (19.7 ft)	kg lb							*3840 *8470	3280 7230			*2970 *6550	*2970 *6550	6.27 (20.6)
4.5 m (14.8 ft)	kg lb					*4870 *10740	*4870 *10740	*4430 *9770	3230 7120			*2850 *6280	2430 5360	7.10 (23.3)
3.0 m (9.8 ft)	kg lb			*9370 *20660	8720 19220	*6120 *13490	4740 10450	*4940 *10890	3090 6810	*3110 *6860	2170 4780	*2880 *6350	2150 4740	7.54 (24.7)
1.5 m (4.9 ft)	kg lb					*7380 *16270	4390 9680	4840 10670	2940 6480	3470 7650	2120 4670	*3060 *6750	2050 4520	7.66 (25.1)
0.0 m (0.0 ft)	kg lb			*5290 *11660	*5290 *11660	7300 16090	4190 9240	4720 10410	2820 6220			*3420 *7540	2080 4590	7.47 (24.5)
-1.5 m (-4.9 ft)	kg lb	*5090 *11220	*5090 *11220	*9190 *20260	7630 16820	7230 15940	4120 9080	4670 10300	2780 6130			3800 8380	2290 5050	6.95 (22.8)
-3.0 m (-9.8 ft)	kg lb	*9360 *20640	*9360 *20640	*10170 *22420	7770 17130	*7120 *15700	4180 9220	4740 10450	2840 6260			4720 10410	2830 6240	6.01 (19.7)
-4.5 m (-14.8 ft)	kg lb			*6860 *15120	*6860 *15120							*4560 *10050	*4560 *10050	4.39 (14.4)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

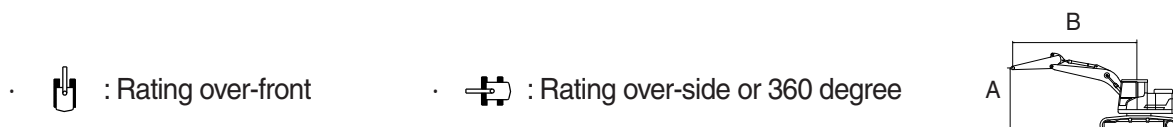
Lifting capacities will vary with different work tools, ground conditions and attachments.

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	
HX160A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	3100	2600	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2710 *5970	*2710 *5970	5.51 (18.1)
6.0 m (19.7 ft)	kg lb							*3700 *8160	3330 7340			*2430 *5360	*2430 *5360	6.79 (22.3)
4.5 m (14.8 ft)	kg lb							*4020 *8860	3260 7190	*2570 *5670	2230 4920	*2340 *5160	2190 4830	7.56 (24.8)
3.0 m (9.8 ft)	kg lb			*7930 *17480	*7930 *17480	*5540 *12210	4810 10600	*4580 *10100	3110 6860	3540 7800	2170 4780	*2380 *5250	1950 4300	7.97 (26.2)
1.5 m (4.9 ft)	kg lb			*6760 *14900	*6760 *14900	*6920 *15260	4430 9770	4850 10690	2930 6460	3450 7610	2100 4630	*2530 *5580	1860 4100	8.09 (26.5)
0.0 m (0.0 ft)	kg lb			*6160 *13580	*6160 *13580	7280 16050	4160 9170	4690 10340	2790 6150	3380 7450	2030 4480	*2820 *6220	1880 4140	7.91 (25.9)
-1.5 m (-4.9 ft)	kg lb	*4790 *10560	*4790 *10560	*8770 *19330	7480 16490	7150 15760	4050 8930	4610 10160	2720 6000			*3360 *7410	2040 4500	7.42 (24.3)
-3.0 m (-9.8 ft)	kg lb	*8080 *17810	*8080 *17810	*10910 *24050	7580 16710	7170 15810	4070 8970	4630 10210	2740 6040			4090 9020	2440 5380	6.55 (21.5)
-4.5 m (-14.8 ft)	kg lb			*8260 *18210	7850 17310	*5640 *12430	4230 9330					*4650 *10250	3560 7850	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).

4. *Indicates load limited by hydraulic capacity.

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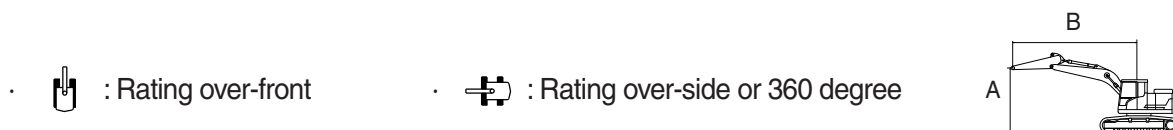
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2200	3250	600	-	-	-	-	-



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									*3850	3690	5.86
	lb									*8490	8140	(19.2)
4.5 m (14.8 ft)	kg					*5320	*5320	*4750	3530	*3630	2920	6.74
	lb					*11730	*11730	*10470	7780	*8000	6440	(22.1)
3.0 m (9.8 ft)	kg					*6540	5160	*5200	3410	*3650	2580	7.20
	lb					*14420	11380	*11460	7520	*8050	5690	(23.6)
1.5 m (4.9 ft)	kg					*7690	4840	5270	3270	*3850	2470	7.33
	lb					*16950	10670	11620	7210	*8490	5450	(24.0)
0.0 m (0.0 ft)	kg					7960	4680	5160	3180	4050	2530	7.13
	lb					17550	10320	11380	7010	8930	5580	(23.4)
-1.5 m (-4.9 ft)	kg			*9400	8590	*7910	4650	5140	3160	4530	2810	6.58
	lb			*20720	18940	*17440	10250	11330	6970	9990	6190	(21.6)
-3.0 m (-9.8 ft)	kg			*9400	8760	*6720	4740			*4980	3570	5.58
	lb			*20720	19310	*14820	10450			*10980	7870	(18.3)

Note 1. Lifting capacity are based on ISO 10567.

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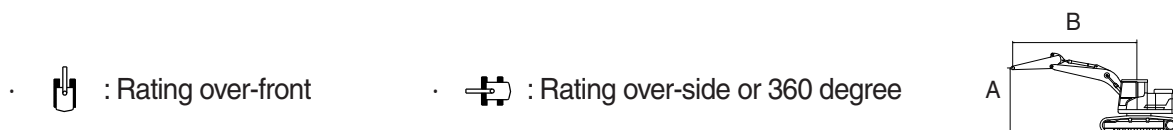
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	3250	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*3410 *7520	*3410 *7520	4.85 (15.9)
6.0 m (19.7 ft)	kg lb							*3840 *8470	3610 7960			*2970 *6550	*2970 *6550	6.27 (20.6)
4.5 m (14.8 ft)	kg lb					*4870 *10740	*4870 *10740	*4430 *9770	3560 7850			*2850 *6280	2700 5950	7.10 (23.3)
3.0 m (9.8 ft)	kg lb			*9370 *20660	*9370 *20660	*6120 *13490	5220 11510	*4940 *10890	3430 7560	*3110 *6860	2430 5360	*2880 *6350	2410 5310	7.54 (24.7)
1.5 m (4.9 ft)	kg lb					*7380 *16270	4880 10760	5280 11640	3270 7210	3790 8360	2370 5220	*3060 *6750	2300 5070	7.66 (25.1)
0.0 m (0.0 ft)	kg lb			*5290 *11660	*5290 *11660	7960 17550	4670 10300	5150 11350	3160 6970			*3420 *7540	2340 5160	7.47 (24.5)
-1.5 m (-4.9 ft)	kg lb	*5090 *11220	*5090 *11220	*9190 *20260	8490 18720	7880 17370	4600 10140	5100 11240	3110 6860			*4130 *9110	2570 5670	6.95 (22.8)
-3.0 m (-9.8 ft)	kg lb	*9360 *20640	*9360 *20640	*10170 *22420	8630 19030	*7120 *15700	4660 10270	*4910 *10820	3180 7010			*4890 *10780	3170 6990	6.01 (19.7)
-4.5 m (-14.8 ft)	kg lb			*6860 *15120	*6860 *15120							*4560 *10050	*4560 *10050	4.39 (14.4)

Note 1. Lifting capacity are based on ISO 10567.

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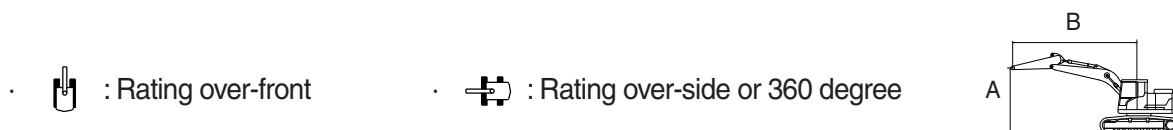
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	3100	3250	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2710 *5970	*2710 *5970	5.51 (18.1)
6.0 m (19.7 ft)	kg lb							*3700 *8160	3670 8090			*2430 *5360	*2430 *5360	6.79 (22.3)
4.5 m (14.8 ft)	kg lb							*4020 *8860	3600 7940	*2570 *5670	2480 5470	*2340 *5160	*2340 *5160	7.56 (24.8)
3.0 m (9.8 ft)	kg lb			*7930 *17480	*7930 *17480	*5540 *12210	5300 11680	*4580 *10100	3440 7580	*3790 *8360	2430 5360	*2380 *5250	2190 4830	7.97 (26.2)
1.5 m (4.9 ft)	kg lb			*6760 *14900	*6760 *14900	*6920 *15260	4910 10820	*5230 *11530	3270 7210	3770 8310	2350 5180	*2530 *5580	2090 4610	8.09 (26.5)
0.0 m (0.0 ft)	kg lb			*6160 *13580	*6160 *13580	*7830 *17260	4650 10250	5120 11290	3130 6900	3700 8160	2290 5050	*2820 *6220	2120 4670	7.91 (25.9)
-1.5 m (-4.9 ft)	kg lb	*4790 *10560	*4790 *10560	*8770 *19330	8340 18390	7810 17220	4530 9990	5040 11110	3050 6720			*3360 *7410	2300 5070	7.42 (24.3)
-3.0 m (-9.8 ft)	kg lb	*8080 *17810	*8080 *17810	*10910 *24050	8440 18610	*7450 *16420	4550 10030	5060 11160	3070 6770			4480 9880	2750 6060	6.55 (21.5)
-4.5 m (-14.8 ft)	kg lb			*8260 *18210	*8260 *18210	*5640 *12430	4710 10380					*4650 *10250	3970 8750	5.11 (16.8)

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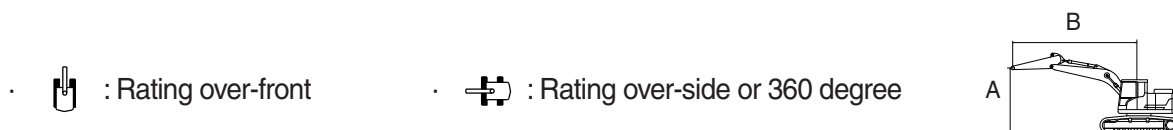
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A L	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5097	2200	3250	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*4850 *10690	*4850 *10690	4.43 (14.5)
6.0 m (19.7 ft)	kg lb			*4510 *9940	*4510 *9940					*3970 *8750	3580 7890	5.95 (19.5)
4.5 m (14.8 ft)	kg lb			*5110 *11270	*5110 *11270	*4560 *10050	3530 7780			*3670 *8090	2840 6260	6.82 (22.4)
3.0 m (9.8 ft)	kg lb			*6280 *13850	5140 11330	*5010 *11050	3390 7470			*3620 *7980	2520 5560	7.28 (23.9)
1.5 m (4.9 ft)	kg lb			*7440 *16400	4810 10600	5280 11640	3250 7170			*3750 *8270	2410 5310	7.40 (24.3)
0.0 m (0.0 ft)	kg lb			7980 17590	4640 10230	5170 11400	3150 6940			4000 8820	2470 5450	7.20 (23.6)
-1.5 m (-4.9 ft)	kg lb	*8360 *18430	*8360 *18430	*7890 *17390	4620 10190	5160 11380	3130 6900			4470 9850	2760 6080	6.66 (21.9)

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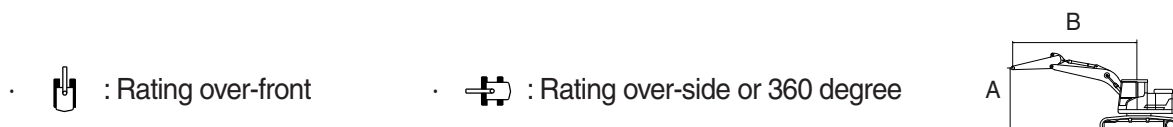
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A L	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5097	2600	3250	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb			*4310 *9500	*4310 *9500					*3570 *7870	*3570 *7870	5.00 (16.4)
6.0 m (19.7 ft)	kg lb					*4130 *9110	3610 7960			*3050 *6720	*3050 *6720	6.39 (21.0)
4.5 m (14.8 ft)	kg lb			*4680 *10320	*4680 *10320	*4250 *9370	3560 7850			*2870 *6330	2620 5780	7.20 (23.6)
3.0 m (9.8 ft)	kg lb			*5870 *12940	5210 11490	*4750 *10470	3410 7520	*3660 *8070	2410 5310	*2850 *6280	2340 5160	7.63 (25.0)
1.5 m (4.9 ft)	kg lb			*7130 *15720	4850 10690	5290 11660	3250 7170	3800 8380	2350 5180	*2970 *6550	2240 4940	7.75 (25.4)
0.0 m (0.0 ft)	kg lb			*7880 *17370	4630 10210	5160 11380	3130 6900	3750 8270	2310 5090	*3250 *7170	2280 5030	7.56 (24.8)
-1.5 m (-4.9 ft)	kg lb	*8290 *18280	*8290 *18280	7900 17420	4570 10080	5110 11270	3090 6810			*3800 *8380	2510 5530	7.05 (23.1)
-3.0 m (-9.8 ft)	kg lb			*7200 *15870	4640 10230							

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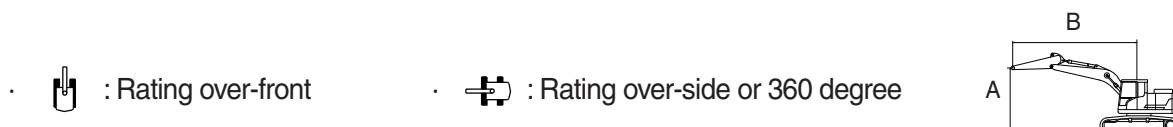
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2200	2600	600	-	Down	-	-	-



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									*3850 *8490	3530 7780	5.86 (19.2)
4.5 m (14.8 ft)	kg lb					*5320 *11730	5270 11620	*4750 *10470	3380 7450	*3630 *8000	2790 6150	6.74 (22.1)
3.0 m (9.8 ft)	kg lb					*6540 *14420	4940 10890	*5200 *11460	3260 7190	*3650 *8050	2460 5420	7.20 (23.6)
1.5 m (4.9 ft)	kg lb					*7690 *16950	4630 10210	*5710 *12590	3120 6880	*3850 *8490	2350 5180	7.33 (24.0)
0.0 m (0.0 ft)	kg lb					*8180 *18030	4460 9830	*5980 *13180	3030 6680	*4310 *9500	2400 5290	7.13 (23.4)
-1.5 m (-4.9 ft)	kg lb			*9400 *20720	8200 18080	*7910 *17440	4430 9770	*5770 *12720	3010 6640	*5030 *11090	2680 5910	6.58 (21.6)
-3.0 m (-9.8 ft)	kg lb			*9400 *20720	8370 18450	*6720 *14820	4520 9960			*4980 *10980	3400 7500	5.58 (18.3)

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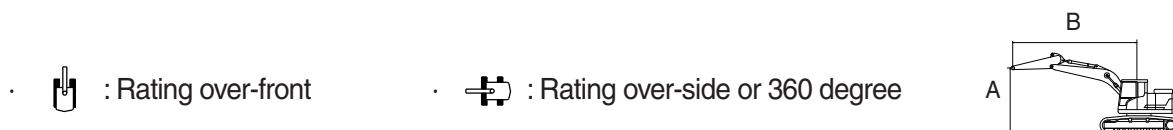
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2200	2600	600	-	Up	-	-	-



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									*3850 *8490	3530 7780	5.86 (19.2)
4.5 m (14.8 ft)	kg lb					*5320 *11730	5270 11620	*4750 *10470	3380 7450	*3630 *8000	2790 6150	6.74 (22.1)
3.0 m (9.8 ft)	kg lb					*6540 *14420	4940 10890	4950 10910	3260 7190	*3650 *8050	2460 5420	7.20 (23.6)
1.5 m (4.9 ft)	kg lb					7430 16380	4630 10210	4790 10560	3120 6880	3570 7870	2350 5180	7.33 (24.0)
0.0 m (0.0 ft)	kg lb					7240 15960	4460 9830	4690 10340	3030 6680	3670 8090	2400 5290	7.13 (23.4)
-1.5 m (-4.9 ft)	kg lb			*9400 *20720	8200 18080	7200 15870	4430 9770	4670 10300	3010 6640	4110 9060	2680 5910	6.58 (21.6)
-3.0 m (-9.8 ft)	kg lb			*9400 *20720	8370 18450	*6720 *14820	4520 9960			*4980 *10980	3400 7500	5.58 (18.3)

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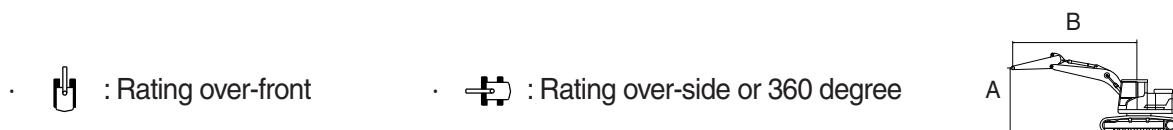
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	2600	600	-	Down	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*3410 *7520	*3410 *7520	4.85 (15.9)
6.0 m (19.7 ft)	kg lb							*3840 *8470	3460 7630			*2970 *6550	*2970 *6550	6.27 (20.6)
4.5 m (14.8 ft)	kg lb					*4870 *10740	*4870 *10740	*4430 *9770	3410 7520			*2850 *6280	2580 5690	7.10 (23.3)
3.0 m (9.8 ft)	kg lb			*9370 *20660	9190 20260	*6120 *13490	5000 11020	*4940 *10890	3280 7230	*3110 *6860	2310 5090	*2880 *6350	2290 5050	7.54 (24.7)
1.5 m (4.9 ft)	kg lb					*7380 *16270	4660 10270	*5520 *12170	3120 6880	*4040 *8910	2260 4980	*3060 *6750	2190 4830	7.66 (25.1)
0.0 m (0.0 ft)	kg lb			*5290 *11660	*5290 *11660	*8070 *17790	4450 9810	*5900 *13010	3010 6640			*3420 *7540	2230 4920	7.47 (24.5)
-1.5 m (-4.9 ft)	kg lb	*5090 *11220	*5090 *11220	*9190 *20260	8100 17860	*8010 *17660	4390 9680	*5850 *12900	2960 6530			*4130 *9110	2450 5400	6.95 (22.8)
-3.0 m (-9.8 ft)	kg lb	*9360 *20640	*9360 *20640	*10170 *22420	8240 18170	*7120 *15700	4440 9790	*4910 *10820	3030 6680			*4890 *10780	3020 6660	6.01 (19.7)
-4.5 m (-14.8 ft)	kg lb			*6860 *15120	*6860 *15120							*4560 *10050	*4560 *10050	4.39 (14.4)

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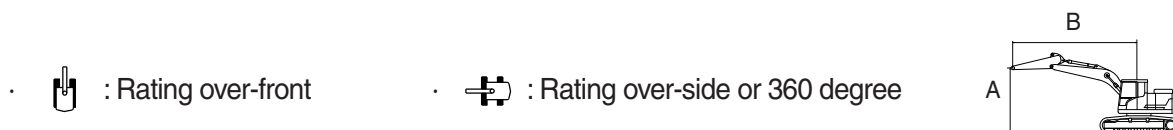
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	2600	600	-	Up	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*3410 *7520	*3410 *7520	4.85 (15.9)
6.0 m (19.7 ft)	kg lb							*3840 *8470	3460 7630			*2970 *6550	*2970 *6550	6.27 (20.6)
4.5 m (14.8 ft)	kg lb					*4870 *10740	*4870 *10740	*4430 *9770	3410 7520			*2850 *6280	2580 5690	7.10 (23.3)
3.0 m (9.8 ft)	kg lb			*9370 *20660	9190 20260	*6120 *13490	5000 11020	*4940 *10890	3280 7230	*3110 *6860	2310 5090	*2880 *6350	2290 5050	7.54 (24.7)
1.5 m (4.9 ft)	kg lb					*7380 *16270	4660 10270	4800 10580	3120 6880	3430 7560	2260 4980	*3060 *6750	2190 4830	7.66 (25.1)
0.0 m (0.0 ft)	kg lb			*5290 *11660	*5290 *11660	7230 15940	4450 9810	4670 10300	3010 6640			3410 7520	2230 4920	7.47 (24.5)
-1.5 m (-4.9 ft)	kg lb	*5090 *11220	*5090 *11220	*9190 *20260	8100 17860	7160 15790	4390 9680	4620 10190	2960 6530			3760 8290	2450 5400	6.95 (22.8)
-3.0 m (-9.8 ft)	kg lb	*9360 *20640	*9360 *20640	*10170 *22420	8240 18170	*7120 *15700	4440 9790	4690 10340	3030 6680			4680 10320	3020 6660	6.01 (19.7)
-4.5 m (-14.8 ft)	kg lb			*6860 *15120	*6860 *15120							*4560 *10050	*4560 *10050	4.39 (14.4)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

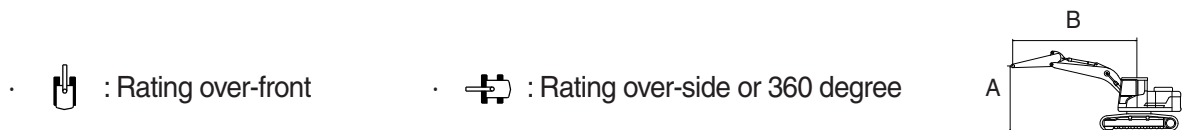
Lifting capacities will vary with different work tools, ground conditions and attachments.

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	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	3100	2600	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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2710 *5970	*2710 *5970	5.51 (18.1)
6.0 m (19.7 ft)	kg lb							*3700 *8160	3520 7760			*2430 *5360	*2430 *5360	6.79 (22.3)
4.5 m (14.8 ft)	kg lb							*4020 *8860	3450 7610	*2570 *5670	2370 5220	*2340 *5160	2330 5140	7.56 (24.8)
3.0 m (9.8 ft)	kg lb			*7930 *17480	*7930 *17480	*5540 *12210	5080 11200	*4580 *10100	3290 7250	*3790 *8360	2320 5110	*2380 *5250	2090 4610	7.97 (26.2)
1.5 m (4.9 ft)	kg lb			*6760 *14900	*6760 *14900	*6920 *15260	4690 10340	*5230 *11530	3120 6880	*4390 *9680	2240 4940	*2530 *5580	1990 4390	8.09 (26.5)
0.0 m (0.0 ft)	kg lb			*6160 *13580	*6160 *13580	*7830 *17260	4430 9770	*5730 *12630	2980 6570	*4580 *10100	2170 4780	*2820 *6220	2010 4430	7.91 (25.9)
-1.5 m (-4.9 ft)	kg lb	*4790 *10560	*4790 *10560	*8770 *19330	7960 17550	*8030 *17700	4320 9520	*5860 *12920	2900 6390			*3360 *7410	2180 4810	7.42 (24.3)
-3.0 m (-9.8 ft)	kg lb	*8080 *17810	*8080 *17810	*10910 *24050	8060 17770	*7450 *16420	4330 9550	*5360 *11820	2920 6440			*4510 *9940	2610 5750	6.55 (21.5)
-4.5 m (-14.8 ft)	kg lb			*8260 *18210	*8260 *18210	*5640 *12430	4490 9900					*4650 *10250	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.

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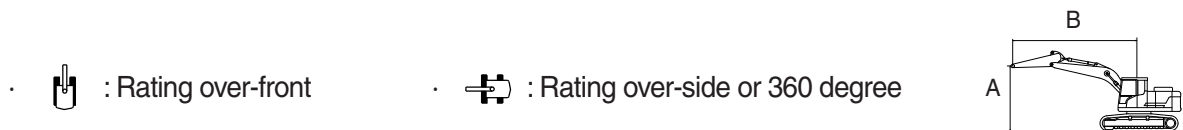
Lifting capacities will vary with different work tools, ground conditions and attachments.

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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	3100	2600	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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2710 *5970	*2710 *5970	5.51 (18.1)
6.0 m (19.7 ft)	kg lb							*3700 *8160	3520 7760			*2430 *5360	*2430 *5360	6.79 (22.3)
4.5 m (14.8 ft)	kg lb							*4020 *8860	3450 7610	*2570 *5670	2370 5220	*2340 *5160	2330 5140	7.56 (24.8)
3.0 m (9.8 ft)	kg lb			*7930 *17480	*7930 *17480	*5540 *12210	5080 11200	*4580 *10100	3290 7250	3500 7720	2320 5110	*2380 *5250	2090 4610	7.97 (26.2)
1.5 m (4.9 ft)	kg lb			*6760 *14900	*6760 *14900	*6920 *15260	4690 10340	4800 10580	3120 6880	3420 7540	2240 4940	*2530 *5580	1990 4390	8.09 (26.5)
0.0 m (0.0 ft)	kg lb			*6160 *13580	*6160 *13580	7220 15920	4430 9770	4640 10230	2980 6570	3350 7390	2170 4780	*2820 *6220	2010 4430	7.91 (25.9)
-1.5 m (-4.9 ft)	kg lb	*4790 *10560	*4790 *10560	*8770 *19330	7960 17550	7090 15630	4320 9520	4560 10050	2900 6390			*3360 *7410	2180 4810	7.42 (24.3)
-3.0 m (-9.8 ft)	kg lb	*8080 *17810	*8080 *17810	*10910 *24050	8060 17770	7110 15670	4330 9550	4580 10100	2920 6440			4050 8930	2610 5750	6.55 (21.5)
-4.5 m (-14.8 ft)	kg lb			*8260 *18210	*8260 *18210	*5640 *12430	4490 9900					*4650 *10250	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).

4. *Indicates load limited by hydraulic capacity.

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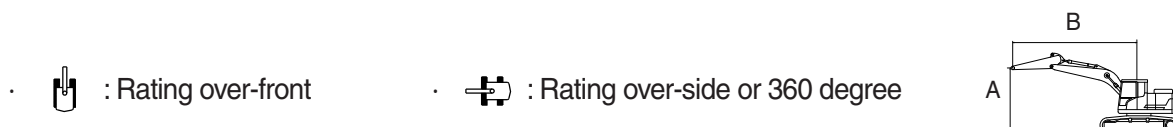
Lifting capacities will vary with different work tools, ground conditions and attachments.

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

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	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2200	3250	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									*3850 *8490	*3850 *8490	5.86 (19.2)
4.5 m (14.8 ft)	kg lb					*5320 *11730	*5320 *11730	*4750 *10470	3720 8200	*3630 *8000	3080 6790	6.74 (22.1)
3.0 m (9.8 ft)	kg lb					*6540 *14420	5420 11950	*5200 *11460	3600 7940	*3650 *8050	2730 6020	7.20 (23.6)
1.5 m (4.9 ft)	kg lb					*7690 *16950	5110 11270	*5710 *12590	3460 7630	*3850 *8490	2610 5750	7.33 (24.0)
0.0 m (0.0 ft)	kg lb					*8180 *18030	4950 10910	*5980 *13180	3360 7410	*4310 *9500	2680 5910	7.13 (23.4)
-1.5 m (-4.9 ft)	kg lb			*9400 *20720	9060 19970	*7910 *17440	4920 10850	*5770 *12720	3340 7360	*5030 *11090	2980 6570	6.58 (21.6)
-3.0 m (-9.8 ft)	kg lb			*9400 *20720	9230 20350	*6720 *14820	5000 11020			*4980 *10980	3770 8310	5.58 (18.3)

Note 1. Lifting capacity are based on ISO 10567.

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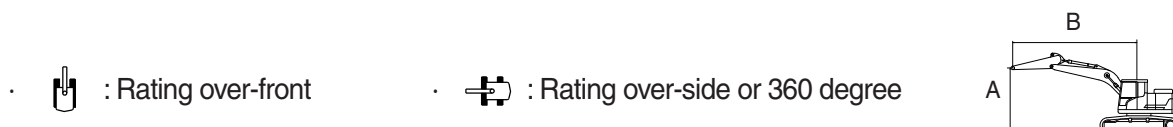
Lifting capacities will vary with different work tools, ground conditions and attachments.

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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2200	3250	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									*3850 *8490	*3850 *8490	5.86 (19.2)
4.5 m (14.8 ft)	kg lb					*5320 *11730	*5320 *11730	*4750 *10470	3720 8200	*3630 *8000	3080 6790	6.74 (22.1)
3.0 m (9.8 ft)	kg lb					*6540 *14420	5420 11950	*5200 *11460	3600 7940	*3650 *8050	2730 6020	7.20 (23.6)
1.5 m (4.9 ft)	kg lb					*7690 *16950	5110 11270	5230 11530	3460 7630	*3850 *8490	2610 5750	7.33 (24.0)
0.0 m (0.0 ft)	kg lb					7890 17390	4950 10910	5120 11290	3360 7410	4010 8840	2680 5910	7.13 (23.4)
-1.5 m (-4.9 ft)	kg lb			*9400 *20720	9060 19970	7860 17330	4920 10850	5100 11240	3340 7360	4490 9900	2980 6570	6.58 (21.6)
-3.0 m (-9.8 ft)	kg lb			*9400 *20720	9230 20350	*6720 *14820	5000 11020			*4980 *10980	3770 8310	5.58 (18.3)

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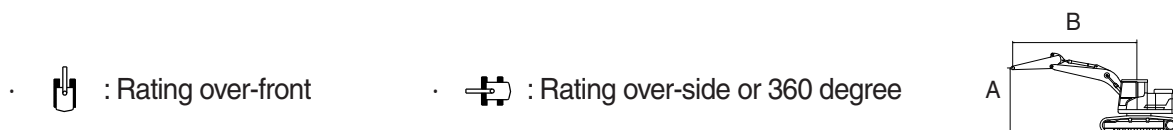
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	3250	600	-	Down	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*3410 *7520	*3410 *7520	4.85 (15.9)
6.0 m (19.7 ft)	kg lb							*3840 *8470	3800 8380			*2970 *6550	*2970 *6550	6.27 (20.6)
4.5 m (14.8 ft)	kg lb					*4870 *10740	*4870 *10740	*4430 *9770	3750 8270			*2850 *6280	*2850 *6280	7.10 (23.3)
3.0 m (9.8 ft)	kg lb			*9370 *20660	*9370 *20660	*6120 *13490	5490 12100	*4940 *10890	3610 7960	*3110 *6860	2570 5670	*2880 *6350	2550 5620	7.54 (24.7)
1.5 m (4.9 ft)	kg lb					*7380 *16270	5140 11330	*5520 *12170	3460 7630	*4040 *8910	2510 5530	*3060 *6750	2440 5380	7.66 (25.1)
0.0 m (0.0 ft)	kg lb			*5290 *11660	*5290 *11660	*8070 *17790	4940 10890	*5900 *13010	3340 7360			*3420 *7540	2490 5490	7.47 (24.5)
-1.5 m (-4.9 ft)	kg lb	*5090 *11220	*5090 *11220	*9190 *20260	8960 19750	*8010 *17660	4870 10740	*5850 *12900	3300 7280			*4130 *9110	2730 6020	6.95 (22.8)
-3.0 m (-9.8 ft)	kg lb	*9360 *20640	*9360 *20640	*10170 *22420	9100 20060	*7120 *15700	4930 10870	*4910 *10820	3360 7410			*4890 *10780	3350 7390	6.01 (19.7)
-4.5 m (-14.8 ft)	kg lb			*6860 *15120	*6860 *15120							*4560 *10050	*4560 *10050	4.39 (14.4)

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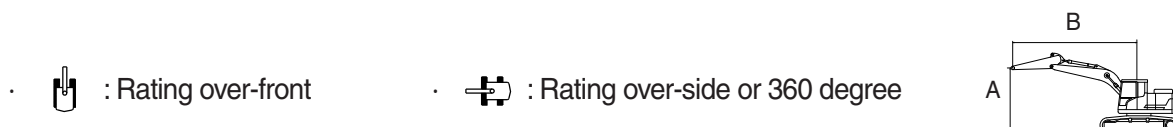
Lifting capacities will vary with different work tools, ground conditions and attachments.

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	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	3250	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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*3410 *7520	*3410 *7520	4.85 (15.9)
6.0 m (19.7 ft)	kg lb							*3840 *8470	3800 8380			*2970 *6550	*2970 *6550	6.27 (20.6)
4.5 m (14.8 ft)	kg lb					*4870 *10740	*4870 *10740	*4430 *9770	3750 8270			*2850 *6280	*2850 *6280	7.10 (23.3)
3.0 m (9.8 ft)	kg lb			*9370 *20660	*9370 *20660	*6120 *13490	5490 12100	*4940 *10890	3610 7960	*3110 *6860	2570 5670	*2880 *6350	2550 5620	7.54 (24.7)
1.5 m (4.9 ft)	kg lb					*7380 *16270	5140 11330	5230 11530	3460 7630	3760 8290	2510 5530	*3060 *6750	2440 5380	7.66 (25.1)
0.0 m (0.0 ft)	kg lb			*5290 *11660	*5290 *11660	7890 17390	4940 10890	5100 11240	3340 7360			*3420 *7540	2490 5490	7.47 (24.5)
-1.5 m (-4.9 ft)	kg lb	*5090 *11220	*5090 *11220	*9190 *20260	8960 19750	7810 17220	4870 10740	5050 11130	3300 7280			4120 9080	2730 6020	6.95 (22.8)
-3.0 m (-9.8 ft)	kg lb	*9360 *20640	*9360 *20640	*10170 *22420	9100 20060	*7120 *15700	4930 10870	*4910 *10820	3360 7410			*4890 *10780	3350 7390	6.01 (19.7)
-4.5 m (-14.8 ft)	kg lb			*6860 *15120	*6860 *15120							*4560 *10050	*4560 *10050	4.39 (14.4)

Note 1. Lifting capacity are based on ISO 10567.

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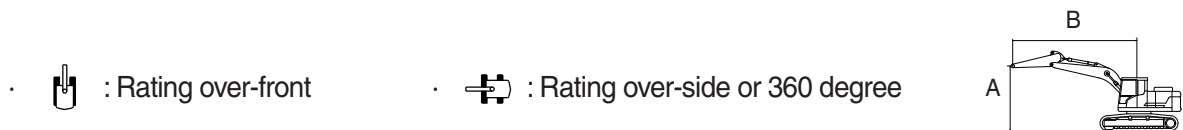
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	3100	3250	600	-	Down	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2710 *5970	*2710 *5970	5.51 (18.1)
6.0 m (19.7 ft)	kg lb							*3700 *8160	*3700 *8160			*2430 *5360	*2430 *5360	6.79 (22.3)
4.5 m (14.8 ft)	kg lb							*4020 *8860	3780 8330	*2570 *5670	*2570 *5670	*2340 *5160	*2340 *5160	7.56 (24.8)
3.0 m (9.8 ft)	kg lb			*7930 *17480	*7930 *17480	*5540 *12210	*5540 *12210	*4580 *10100	3630 8000	*3790 *8360	2570 5670	*2380 *5250	2330 5140	7.97 (26.2)
1.5 m (4.9 ft)	kg lb			*6760 *14900	*6760 *14900	*6920 *15260	5180 11420	*5230 *11530	3450 7610	*4390 *9680	2490 5490	*2530 *5580	2220 4890	8.09 (26.5)
0.0 m (0.0 ft)	kg lb			*6160 *13580	*6160 *13580	*7830 *17260	4910 10820	*5730 *12630	3310 7300	*4580 *10100	2430 5360	*2820 *6220	2260 4980	7.91 (25.9)
-1.5 m (-4.9 ft)	kg lb	*4790 *10560	*4790 *10560	*8770 *19330	*8770 *19330	*8030 *17700	4800 10580	*5860 *12920	3240 7140			*3360 *7410	2440 5380	7.42 (24.3)
-3.0 m (-9.8 ft)	kg lb	*8080 *17810	*8080 *17810	*10910 *24050	8920 19670	*7450 *16420	4820 10630	*5360 *11820	3260 7190			*4510 *9940	2910 6420	6.55 (21.5)
-4.5 m (-14.8 ft)	kg lb			*8260 *18210	*8260 *18210	*5640 *12430	4980 10980					*4650 *10250	4200 9260	5.11 (16.8)

Note 1. Lifting capacity are based on ISO 10567.

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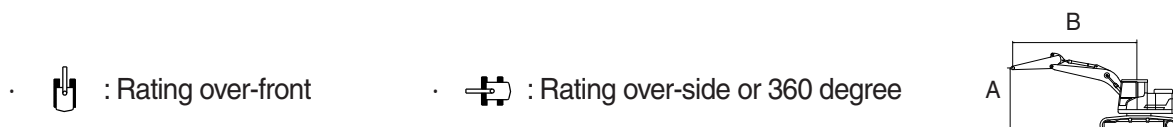
Lifting capacities will vary with different work tools, ground conditions and attachments.

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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	3100	3250	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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2710 *5970	*2710 *5970	5.51 (18.1)
6.0 m (19.7 ft)	kg lb							*3700 *8160	*3700 *8160			*2430 *5360	*2430 *5360	6.79 (22.3)
4.5 m (14.8 ft)	kg lb							*4020 *8860	3780 8330	*2570 *5670	*2570 *5670	*2340 *5160	*2340 *5160	7.56 (24.8)
3.0 m (9.8 ft)	kg lb			*7930 *17480	*7930 *17480	*5540 *12210	*5540 *12210	*4580 *10100	3630 8000	*3790 *8360	2570 5670	*2380 *5250	2330 5140	7.97 (26.2)
1.5 m (4.9 ft)	kg lb			*6760 *14900	*6760 *14900	*6920 *15260	5180 11420	*5230 *11530	3450 7610	3740 8250	2490 5490	*2530 *5580	2220 4890	8.09 (26.5)
0.0 m (0.0 ft)	kg lb			*6160 *13580	*6160 *13580	*7830 *17260	4910 10820	5080 11200	3310 7300	3670 8090	2430 5360	*2820 *6220	2260 4980	7.91 (25.9)
-1.5 m (-4.9 ft)	kg lb	*4790 *10560	*4790 *10560	*8770 *19330	*8770 *19330	7740 17060	4800 10580	5000 11020	3240 7140			*3360 *7410	2440 5380	7.42 (24.3)
-3.0 m (-9.8 ft)	kg lb	*8080 *17810	*8080 *17810	*10910 *24050	8920 19670	*7450 *16420	4820 10630	5020 11070	3260 7190			4440 9790	2910 6420	6.55 (21.5)
-4.5 m (-14.8 ft)	kg lb			*8260 *18210	*8260 *18210	*5640 *12430	4980 10980					*4650 *10250	4200 9260	5.11 (16.8)

Note 1. Lifting capacity are based on ISO 10567.

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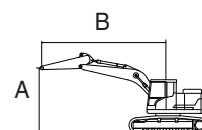
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5097	2200	3250	600	-	Down	-	-	-

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



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*4850 *10690	*4850 *10690	4.43 (14.5)
6.0 m (19.7 ft)	kg lb			*4510 *9940	*4510 *9940					*3970 *8750	3760 8290	5.95 (19.5)
4.5 m (14.8 ft)	kg lb			*5110 *11270	*5110 *11270	*4560 *10050	3710 8180			*3670 *8090	3000 6610	6.82 (22.4)
3.0 m (9.8 ft)	kg lb			*6280 *13850	5410 11930	*5010 *11050	3580 7890			*3620 *7980	2670 5890	7.28 (23.9)
1.5 m (4.9 ft)	kg lb			*7440 *16400	5080 11200	*5530 *12190	3430 7560			*3750 *8270	2550 5620	7.40 (24.3)
0.0 m (0.0 ft)	kg lb			*8020 *17680	4910 10820	*5870 *12940	3330 7340			*4090 *9020	2620 5780	7.20 (23.6)
-1.5 m (-4.9 ft)	kg lb	*8360 *18430	*8360 *18430	*7890 *17390	4880 10760	*5760 *12700	3320 7320			*4780 *10540	2920 6440	6.66 (21.9)

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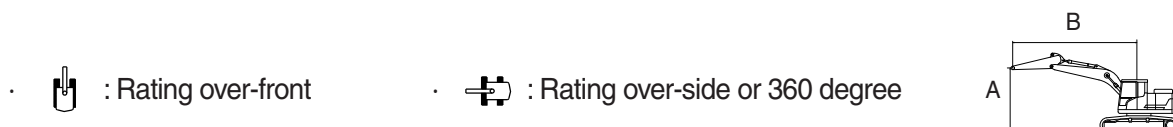
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5097	2200	3250	600	-	Up	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*4850 *10690	*4850 *10690	4.43 (14.5)
6.0 m (19.7 ft)	kg lb			*4510 *9940	*4510 *9940					*3970 *8750	3760 8290	5.95 (19.5)
4.5 m (14.8 ft)	kg lb			*5110 *11270	*5110 *11270	*4560 *10050	3710 8180			*3670 *8090	3000 6610	6.82 (22.4)
3.0 m (9.8 ft)	kg lb			*6280 *13850	5410 11930	*5010 *11050	3580 7890			*3620 *7980	2670 5890	7.28 (23.9)
1.5 m (4.9 ft)	kg lb			*7440 *16400	5080 11200	5240 11550	3430 7560			*3750 *8270	2550 5620	7.40 (24.3)
0.0 m (0.0 ft)	kg lb			7910 17440	4910 10820	5130 11310	3330 7340			3970 8750	2620 5780	7.20 (23.6)
-1.5 m (-4.9 ft)	kg lb	*8360 *18430	*8360 *18430	7880 17370	4880 10760	5110 11270	3320 7320			4440 9790	2920 6440	6.66 (21.9)

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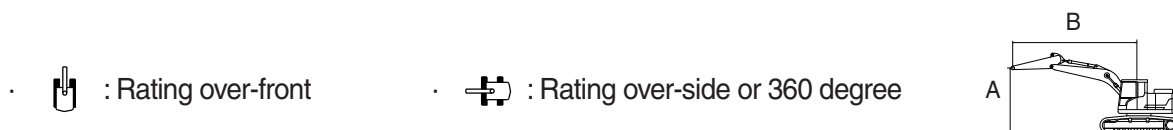
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5097	2600	3250	600	-	Down	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb			*4310 *9500	*4310 *9500					*3570 *7870	*3570 *7870	5.00 (16.4)
6.0 m (19.7 ft)	kg lb					*4130 *9110	3800 8380			*3050 *6720	*3050 *6720	6.39 (21.0)
4.5 m (14.8 ft)	kg lb			*4680 *10320	*4680 *10320	*4250 *9370	3750 8270			*2870 *6330	2770 6110	7.20 (23.6)
3.0 m (9.8 ft)	kg lb			*5870 *12940	5480 12080	*4750 *10470	3600 7940	*3660 *8070	2550 5620	*2850 *6280	2480 5470	7.63 (25.0)
1.5 m (4.9 ft)	kg lb			*7130 *15720	5110 11270	*5330 *11750	3430 7560	*4480 *9880	2490 5490	*2970 *6550	2370 5220	7.75 (25.4)
0.0 m (0.0 ft)	kg lb			*7880 *17370	4900 10800	*5760 *12700	3320 7320	*3840 *8470	2450 5400	*3250 *7170	2420 5340	7.56 (24.8)
-1.5 m (-4.9 ft)	kg lb	*8290 *18280	*8290 *18280	*7950 *17530	4830 10650	*5810 *12810	3270 7210			*3800 *8380	2670 5890	7.05 (23.1)
-3.0 m (-9.8 ft)	kg lb			*7200 *15870	4900 10800							

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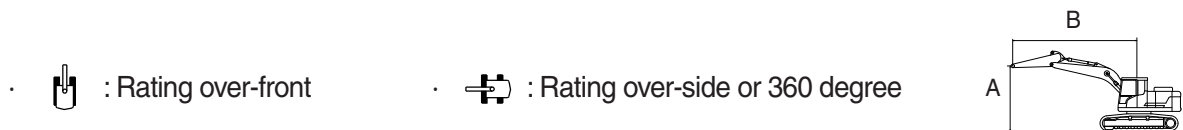
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5097	2600	3250	600	-	Up	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb			*4310 *9500	*4310 *9500					*3570 *7870	*3570 *7870	5.00 (16.4)
6.0 m (19.7 ft)	kg lb					*4130 *9110	3800 8380			*3050 *6720	*3050 *6720	6.39 (21.0)
4.5 m (14.8 ft)	kg lb			*4680 *10320	*4680 *10320	*4250 *9370	3750 8270			*2870 *6330	2770 6110	7.20 (23.6)
3.0 m (9.8 ft)	kg lb			*5870 *12940	5480 12080	*4750 *10470	3600 7940	*3660 *8070	2550 5620	*2850 *6280	2480 5470	7.63 (25.0)
1.5 m (4.9 ft)	kg lb			*7130 *15720	5110 11270	5250 11570	3430 7560	3760 8290	2490 5490	*2970 *6550	2370 5220	7.75 (25.4)
0.0 m (0.0 ft)	kg lb			*7880 *17370	4900 10800	5110 11270	3320 7320	3720 8200	2450 5400	*3250 *7170	2420 5340	7.56 (24.8)
-1.5 m (-4.9 ft)	kg lb	*8290 *18280	*8290 *18280	7830 17260	4830 10650	5070 11180	3270 7210			*3800 *8380	2670 5890	7.05 (23.1)
-3.0 m (-9.8 ft)	kg lb			*7200 *15870	4900 10800							

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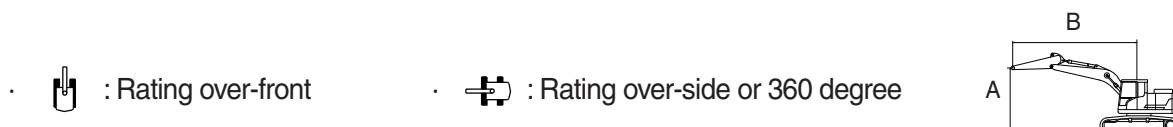
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2200	2900	600	-	-	-	-	-



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									*3850 *8490	*3850 *8490	5.86 (19.2)
4.5 m (14.8 ft)	kg lb					*5320 *11730	*5320 *11730	*4750 *10470	3880 8550	*3630 *8000	3210 7080	6.74 (22.1)
3.0 m (9.8 ft)	kg lb					*6540 *14420	5720 12610	*5200 *11460	3750 8270	*3650 *8050	2840 6260	7.20 (23.6)
1.5 m (4.9 ft)	kg lb					*7690 *16950	5400 11900	5530 12190	3610 7960	*3850 *8490	2720 6000	7.33 (24.0)
0.0 m (0.0 ft)	kg lb					*8180 *18030	5230 11530	5420 11950	3510 7740	4230 9330	2780 6130	7.13 (23.4)
-1.5 m (-4.9 ft)	kg lb			*9400 *20720	*9400 *20720	*7910 *17440	5200 11460	5390 11880	3490 7690	4740 10450	3100 6830	6.58 (21.6)
-3.0 m (-9.8 ft)	kg lb			*9400 *20720	*9400 *20720	*6720 *14820	5290 11660			*4980 *10980	3940 8690	5.58 (18.3)

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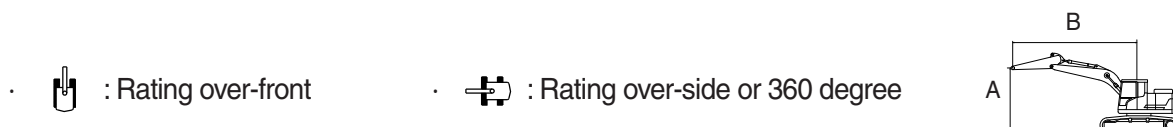
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	2900	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*3410 *7520	*3410 *7520	4.85 (15.9)
6.0 m (19.7 ft)	kg lb							*3840 *8470	*3840 *8470			*2970 *6550	*2970 *6550	6.27 (20.6)
4.5 m (14.8 ft)	kg lb					*4870 *10740	*4870 *10740	*4430 *9770	3910 8620			*2850 *6280	*2850 *6280	7.10 (23.3)
3.0 m (9.8 ft)	kg lb			*9370 *20660	*9370 *20660	*6120 *13490	5790 12760	*4940 *10890	3770 8310	*3110 *6860	2670 5890	*2880 *6350	2650 5840	7.54 (24.7)
1.5 m (4.9 ft)	kg lb					*7380 *16270	5430 11970	*5520 *12170	3610 7960	3960 8730	2610 5750	*3060 *6750	2530 5580	7.66 (25.1)
0.0 m (0.0 ft)	kg lb			*5290 *11660	*5290 *11660	*8070 *17790	5220 11510	5400 11900	3490 7690			*3420 *7540	2580 5690	7.47 (24.5)
-1.5 m (-4.9 ft)	kg lb	*5090 *11220	*5090 *11220	*9190 *20260	*9190 *20260	*8010 *17660	5150 11350	5350 11790	3450 7610			*4130 *9110	2840 6260	6.95 (22.8)
-3.0 m (-9.8 ft)	kg lb	*9360 *20640	*9360 *20640	*10170 *22420	9930 21890	*7120 *15700	5210 11490	*4910 *10820	3510 7740			*4890 *10780	3500 7720	6.01 (19.7)
-4.5 m (-14.8 ft)	kg lb			*6860 *15120	*6860 *15120							*4560 *10050	*4560 *10050	4.39 (14.4)

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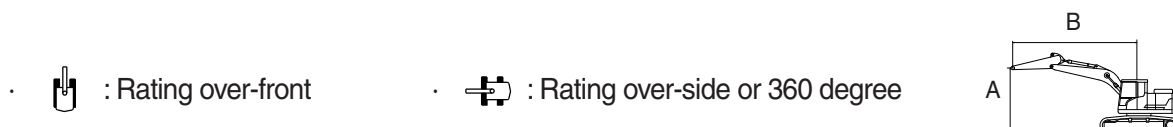
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	2900	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2710 *5970	*2710 *5970	5.51 (18.1)
6.0 m (19.7 ft)	kg lb							*3700 *8160	*3700 *8160			*2430 *5360	*2430 *5360	6.79 (22.3)
4.5 m (14.8 ft)	kg lb							*4020 *8860	3950 8710	*2570 *5670	*2570 *5670	*2340 *5160	*2340 *5160	7.56 (24.8)
3.0 m (9.8 ft)	kg lb			*7930 *17480	*7930 *17480	*5540 *12210	*5540 *12210	*4580 *10100	3790 8360	*3790 *8360	2670 5890	*2380 *5250	*2380 *5250	7.97 (26.2)
1.5 m (4.9 ft)	kg lb			*6760 *14900	*6760 *14900	*6920 *15260	5470 12060	*5230 *11530	3610 7960	3940 8690	2590 5710	*2530 *5580	2310 5090	8.09 (26.5)
0.0 m (0.0 ft)	kg lb			*6160 *13580	*6160 *13580	*7830 *17260	5200 11460	5380 11860	3460 7630	3870 8530	2530 5580	*2820 *6220	2340 5160	7.91 (25.9)
-1.5 m (-4.9 ft)	kg lb	*4790 *10560	*4790 *10560	*8770 *19330	*8770 *19330	*8030 *17700	5080 11200	5290 11660	3390 7470			*3360 *7410	2540 5600	7.42 (24.3)
-3.0 m (-9.8 ft)	kg lb	*8080 *17810	*8080 *17810	*10910 *24050	9730 21450	*7450 *16420	5100 11240	5310 11710	3410 7520			*4510 *9940	3040 6700	6.55 (21.5)
-4.5 m (-14.8 ft)	kg lb			*8260 *18210	*8260 *18210	*5640 *12430	5260 11600					*4650 *10250	4410 9720	5.11 (16.8)

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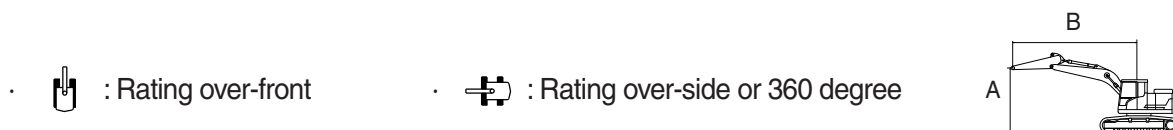
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2200	3250	600	-	-	-	-	-



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									*3850 *8490	*3850 *8490	5.86 (19.2)
4.5 m (14.8 ft)	kg lb					*5320 *11730	*5320 *11730	*4750 *10470	4070 8970	*3630 *8000	3370 7430	6.74 (22.1)
3.0 m (9.8 ft)	kg lb					*6540 *14420	6010 13250	*5200 *11460	3950 8710	*3650 *8050	2990 6590	7.20 (23.6)
1.5 m (4.9 ft)	kg lb					*7690 *16950	5680 12520	*5710 *12590	3800 8380	*3850 *8490	2870 6330	7.33 (24.0)
0.0 m (0.0 ft)	kg lb					*8180 *18030	5510 12150	5660 12480	3710 8180	*4310 *9500	2940 6480	7.13 (23.4)
-1.5 m (-4.9 ft)	kg lb			*9400 *20720	*9400 *20720	*7910 *17440	5480 12080	5640 12430	3680 8110	4950 10910	3270 7210	6.58 (21.6)
-3.0 m (-9.8 ft)	kg lb			*9400 *20720	*9400 *20720	*6720 *14820	5570 12280			*4980 *10980	4160 9170	5.58 (18.3)

Note 1. Lifting capacity are based on ISO 10567.

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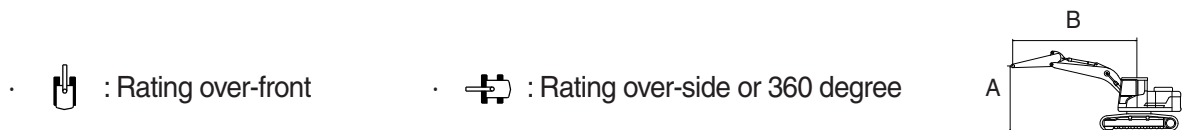
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	3250	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*3410 *7520	*3410 *7520	4.85 (15.9)
6.0 m (19.7 ft)	kg lb							*3840 *8470	*3840 *8470			*2970 *6550	*2970 *6550	6.27 (20.6)
4.5 m (14.8 ft)	kg lb					*4870 *10740	*4870 *10740	*4430 *9770	4100 9040			*2850 *6280	*2850 *6280	7.10 (23.3)
3.0 m (9.8 ft)	kg lb			*9370 *20660	*9370 *20660	*6120 *13490	6070 13380	*4940 *10890	3960 8730	*3110 *6860	2820 6220	*2880 *6350	2790 6150	7.54 (24.7)
1.5 m (4.9 ft)	kg lb					*7380 *16270	5720 12610	*5520 *12170	3800 8380	*4040 *8910	2760 6080	*3060 *6750	2680 5910	7.66 (25.1)
0.0 m (0.0 ft)	kg lb			*5290 *11660	*5290 *11660	*8070 *17790	5500 12130	5640 12430	3690 8140			*3420 *7540	2730 6020	7.47 (24.5)
-1.5 m (-4.9 ft)	kg lb	*5090 *11220	*5090 *11220	*9190 *20260	*9190 *20260	*8010 *17660	5430 11970	5590 12320	3640 8020			*4130 *9110	3000 6610	6.95 (22.8)
-3.0 m (-9.8 ft)	kg lb	*9360 *20640	*9360 *20640	*10170 *22420	*10170 *22420	*7120 *15700	5490 12100	*4910 *10820	3710 8180			*4890 *10780	3700 8160	6.01 (19.7)
-4.5 m (-14.8 ft)	kg lb			*6860 *15120	*6860 *15120							*4560 *10050	*4560 *10050	4.39 (14.4)

Note 1. Lifting capacity are based on ISO 10567.

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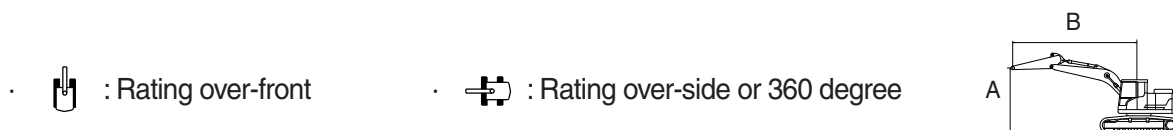
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	3100	3250	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2710 *5970	*2710 *5970	5.51 (18.1)
6.0 m (19.7 ft)	kg lb							*3700 *8160	*3700 *8160			*2430 *5360	*2430 *5360	6.79 (22.3)
4.5 m (14.8 ft)	kg lb							*4020 *8860	*4020 *8860	*2570 *5670	*2570 *5670	*2340 *5160	*2340 *5160	7.56 (24.8)
3.0 m (9.8 ft)	kg lb			*7930 *17480	*7930 *17480	*5540 *12210	*5540 *12210	*4580 *10100	3980 8770	*3790 *8360	2820 6220	*2380 *5250	*2380 *5250	7.97 (26.2)
1.5 m (4.9 ft)	kg lb			*6760 *14900	*6760 *14900	*6920 *15260	5750 12680	*5230 *11530	3800 8380	4120 9080	2740 6040	*2530 *5580	2440 5380	8.09 (26.5)
0.0 m (0.0 ft)	kg lb			*6160 *13580	*6160 *13580	*7830 *17260	5480 12080	5620 12390	3660 8070	4050 8930	2670 5890	*2820 *6220	2480 5470	7.91 (25.9)
-1.5 m (-4.9 ft)	kg lb	*4790 *10560	*4790 *10560	*8770 *19330	*8770 *19330	*8030 *17700	5360 11820	5540 12210	3580 7890			*3360 *7410	2690 5930	7.42 (24.3)
-3.0 m (-9.8 ft)	kg lb	*8080 *17810	*8080 *17810	*10910 *24050	10250 22600	*7450 *16420	5380 11860	*5360 *11820	3600 7940			*4510 *9940	3210 7080	6.55 (21.5)
-4.5 m (-14.8 ft)	kg lb			*8260 *18210	*8260 *18210	*5640 *12430	5550 12240					*4650 *10250	*4650 *10250	5.11 (16.8)

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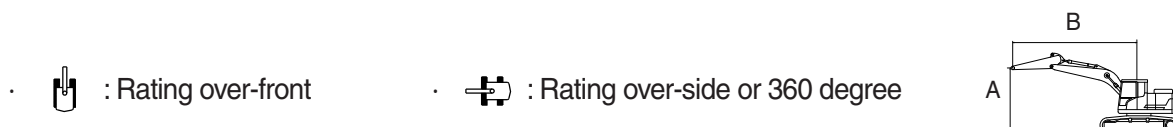
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A L	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5097	2200	3250	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*4850 *10690	*4850 *10690	4.43 (14.5)
6.0 m (19.7 ft)	kg lb			*4510 *9940	*4510 *9940					*3970 *8750	*3970 *8750	5.95 (19.5)
4.5 m (14.8 ft)	kg lb			*5110 *11270	*5110 *11270	*4560 *10050	4070 8970			*3670 *8090	3300 7280	6.82 (22.4)
3.0 m (9.8 ft)	kg lb			*6280 *13850	6010 13250	*5010 *11050	3940 8690			*3620 *7980	2930 6460	7.28 (23.9)
1.5 m (4.9 ft)	kg lb			*7440 *16400	5660 12480	*5530 *12190	3790 8360			*3750 *8270	2810 6190	7.40 (24.3)
0.0 m (0.0 ft)	kg lb			*8020 *17680	5480 12080	5680 12520	3690 8140			*4090 *9020	2890 6370	7.20 (23.6)
-1.5 m (-4.9 ft)	kg lb	*8360 *18430	*8360 *18430	*7890 *17390	5460 12040	5660 12480	3670 8090			*4780 *10540	3220 7100	6.66 (21.9)

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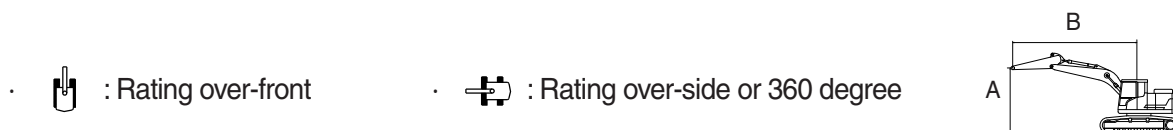
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A L	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5097	2600	3250	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb			*4310 *9500	*4310 *9500					*3570 *7870	*3570 *7870	5.00 (16.4)
6.0 m (19.7 ft)	kg lb					*4130 *9110	*4130 *9110			*3050 *6720	*3050 *6720	6.39 (21.0)
4.5 m (14.8 ft)	kg lb			*4680 *10320	*4680 *10320	*4250 *9370	4110 9060			*2870 *6330	*2870 *6330	7.20 (23.6)
3.0 m (9.8 ft)	kg lb			*5870 *12940	*5870 *12940	*4750 *10470	3960 8730	*3660 *8070	2810 6190	*2850 *6280	2720 6000	7.63 (25.0)
1.5 m (4.9 ft)	kg lb			*7130 *15720	5700 12570	*5330 *11750	3790 8360	4150 9150	2750 6060	*2970 *6550	2610 5750	7.75 (25.4)
0.0 m (0.0 ft)	kg lb			*7880 *17370	5470 12060	5660 12480	3670 8090	*3840 *8470	2700 5950	*3250 *7170	2670 5890	7.56 (24.8)
-1.5 m (-4.9 ft)	kg lb	*8290 *18280	*8290 *18280	*7950 *17530	5410 11930	5610 12370	3620 7980			*3800 *8380	2940 6480	7.05 (23.1)
-3.0 m (-9.8 ft)	kg lb			*7200 *15870	5480 12080							

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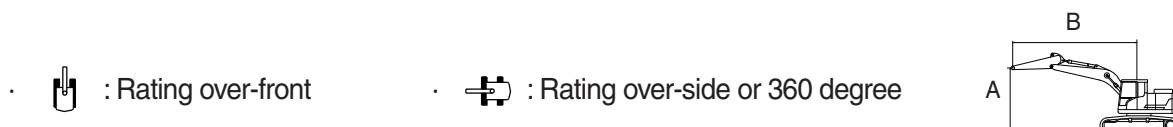
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2200	2900	600	-	Down	-	-	-



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									*3850 *8490	*3850 *8490	5.86 (19.2)
4.5 m (14.8 ft)	kg lb					*5320 *11730	*5320 *11730	*4750 *10470	4090 9020	*3630 *8000	3390 7470	6.74 (22.1)
3.0 m (9.8 ft)	kg lb					*6540 *14420	6030 13290	*5200 *11460	3960 8730	*3650 *8050	3010 6640	7.20 (23.6)
1.5 m (4.9 ft)	kg lb					*7690 *16950	5700 12570	*5710 *12590	3820 8420	*3850 *8490	2880 6350	7.33 (24.0)
0.0 m (0.0 ft)	kg lb					*8180 *18030	5530 12190	*5980 *13180	3720 8200	*4310 *9500	2950 6500	7.13 (23.4)
-1.5 m (-4.9 ft)	kg lb			*9400 *20720	*9400 *20720	*7910 *17440	5500 12130	*5770 *12720	3700 8160	*5030 *11090	3290 7250	6.58 (21.6)
-3.0 m (-9.8 ft)	kg lb			*9400 *20720	*9400 *20720	*6720 *14820	5590 12320			*4980 *10980	4170 9190	5.58 (18.3)

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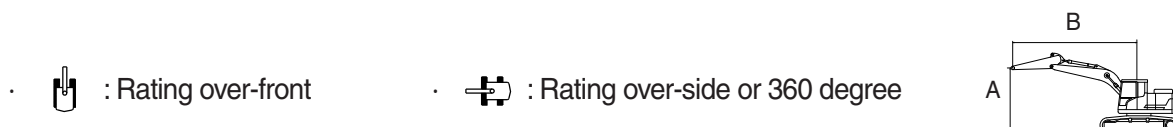
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2200	2900	600	-	Up	-	-	-



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									*3850 *8490	*3850 *8490	5.86 (19.2)
4.5 m (14.8 ft)	kg lb					*5320 *11730	*5320 *11730	*4750 *10470	4090 9020	*3630 *8000	3390 7470	6.74 (22.1)
3.0 m (9.8 ft)	kg lb					*6540 *14420	6030 13290	*5200 *11460	3960 8730	*3650 *8050	3010 6640	7.20 (23.6)
1.5 m (4.9 ft)	kg lb					*7690 *16950	5700 12570	5470 12060	3820 8420	*3850 *8490	2880 6350	7.33 (24.0)
0.0 m (0.0 ft)	kg lb					*8180 *18030	5530 12190	5370 11840	3720 8200	4190 9240	2950 6500	7.13 (23.4)
-1.5 m (-4.9 ft)	kg lb			*9400 *20720	*9400 *20720	*7910 *17440	5500 12130	5340 11770	3700 8160	4690 10340	3290 7250	6.58 (21.6)
-3.0 m (-9.8 ft)	kg lb			*9400 *20720	*9400 *20720	*6720 *14820	5590 12320			*4980 *10980	4170 9190	5.58 (18.3)

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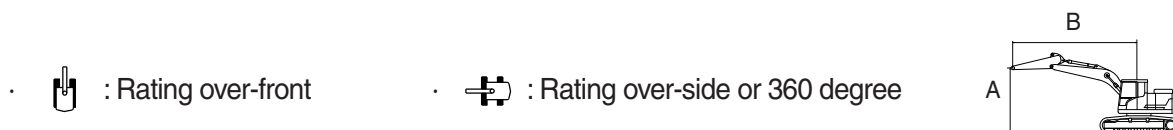
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HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	2900	600	-	Down	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*3410 *7520	*3410 *7520	4.85 (15.9)
6.0 m (19.7 ft)	kg lb							*3840 *8470	*3840 *8470			*2970 *6550	*2970 *6550	6.27 (20.6)
4.5 m (14.8 ft)	kg lb					*4870 *10740	*4870 *10740	*4430 *9770	4120 9080			*2850 *6280	*2850 *6280	7.10 (23.3)
3.0 m (9.8 ft)	kg lb			*9370 *20660	*9370 *20660	*6120 *13490	6100 13450	*4940 *10890	3980 8770	*3110 *6860	2830 6240	*2880 *6350	2810 6190	7.54 (24.7)
1.5 m (4.9 ft)	kg lb					*7380 *16270	5740 12650	*5520 *12170	3820 8420	*4040 *8910	2770 6110	*3060 *6750	2690 5930	7.66 (25.1)
0.0 m (0.0 ft)	kg lb			*5290 *11660	*5290 *11660	*8070 *17790	5520 12170	*5900 *13010	3700 8160			*3420 *7540	2740 6040	7.47 (24.5)
-1.5 m (-4.9 ft)	kg lb	*5090 *11220	*5090 *11220	*9190 *20260	*9190 *20260	*8010 *17660	5460 12040	*5850 *12900	3660 8070			*4130 *9110	3020 6660	6.95 (22.8)
-3.0 m (-9.8 ft)	kg lb	*9360 *20640	*9360 *20640	*10170 *22420	*10170 *22420	*7120 *15700	5510 12150	*4910 *10820	3720 8200			*4890 *10780	3710 8180	6.01 (19.7)
-4.5 m (-14.8 ft)	kg lb			*6860 *15120	*6860 *15120							*4560 *10050	*4560 *10050	4.39 (14.4)

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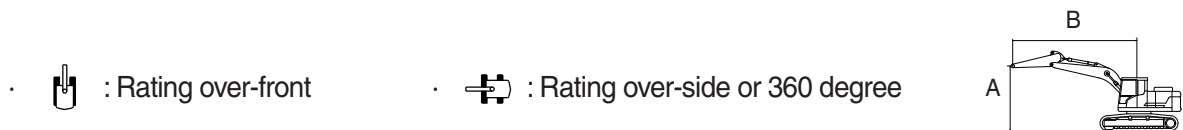
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	2900	600	-	Up	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*3410 *7520	*3410 *7520	4.85 (15.9)
6.0 m (19.7 ft)	kg lb							*3840 *8470	*3840 *8470			*2970 *6550	*2970 *6550	6.27 (20.6)
4.5 m (14.8 ft)	kg lb					*4870 *10740	*4870 *10740	*4430 *9770	4120 9080			*2850 *6280	*2850 *6280	7.10 (23.3)
3.0 m (9.8 ft)	kg lb			*9370 *20660	*9370 *20660	*6120 *13490	6100 13450	*4940 *10890	3980 8770	*3110 *6860	2830 6240	*2880 *6350	2810 6190	7.54 (24.7)
1.5 m (4.9 ft)	kg lb					*7380 *16270	5740 12650	5480 12080	3820 8420	3920 8640	2770 6110	*3060 *6750	2690 5930	7.66 (25.1)
0.0 m (0.0 ft)	kg lb			*5290 *11660	*5290 *11660	*8070 *17790	5520 12170	5350 11790	3700 8160			*3420 *7540	2740 6040	7.47 (24.5)
-1.5 m (-4.9 ft)	kg lb	*5090 *11220	*5090 *11220	*9190 *20260	*9190 *20260	*8010 *17660	5460 12040	5300 11680	3660 8070			*4130 *9110	3020 6660	6.95 (22.8)
-3.0 m (-9.8 ft)	kg lb	*9360 *20640	*9360 *20640	*10170 *22420	*10170 *22420	*7120 *15700	5510 12150	*4910 *10820	3720 8200			*4890 *10780	3710 8180	6.01 (19.7)
-4.5 m (-14.8 ft)	kg lb			*6860 *15120	*6860 *15120							*4560 *10050	*4560 *10050	4.39 (14.4)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

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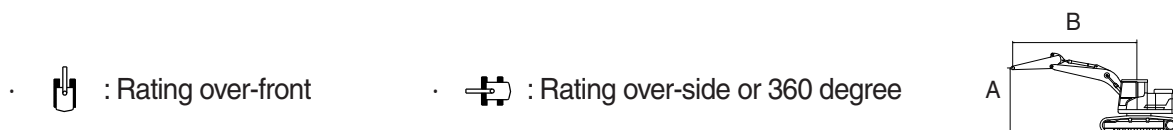
Lifting capacities will vary with different work tools, ground conditions and attachments.

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	
HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	3100	2900	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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2710 *5970	*2710 *5970	5.51 (18.1)
6.0 m (19.7 ft)	kg lb							*3700 *8160	*3700 *8160			*2430 *5360	*2430 *5360	6.79 (22.3)
4.5 m (14.8 ft)	kg lb							*4020 *8860	*4020 *8860	*2570 *5670	*2570 *5670	*2340 *5160	*2340 *5160	7.56 (24.8)
3.0 m (9.8 ft)	kg lb			*7930 *17480	*7930 *17480	*5540 *12210	*5540 *12210	*4580 *10100	4000 8820	*3790 *8360	2830 6240	*2380 *5250	*2380 *5250	7.97 (26.2)
1.5 m (4.9 ft)	kg lb			*6760 *14900	*6760 *14900	*6920 *15260	5780 12740	*5230 *11530	3820 8420	*4390 *9680	2750 6060	*2530 *5580	2460 5420	8.09 (26.5)
0.0 m (0.0 ft)	kg lb			*6160 *13580	*6160 *13580	*7830 *17260	5500 12130	*5730 *12630	3670 8090	*4580 *10100	2690 5930	*2820 *6220	2490 5490	7.91 (25.9)
-1.5 m (-4.9 ft)	kg lb	*4790 *10560	*4790 *10560	*8770 *19330	*8770 *19330	*8030 *17700	5390 11880	*5860 *12920	3600 7940			*3360 *7410	2700 5950	7.42 (24.3)
-3.0 m (-9.8 ft)	kg lb	*8080 *17810	*8080 *17810	*10910 *24050	10290 22690	*7450 *16420	5400 11900	*5360 *11820	3620 7980			*4510 *9940	3230 7120	6.55 (21.5)
-4.5 m (-14.8 ft)	kg lb			*8260 *18210	*8260 *18210	*5640 *12430	5570 12280					*4650 *10250	*4650 *10250	5.11 (16.8)

Note 1. Lifting capacity are based on ISO 10567.

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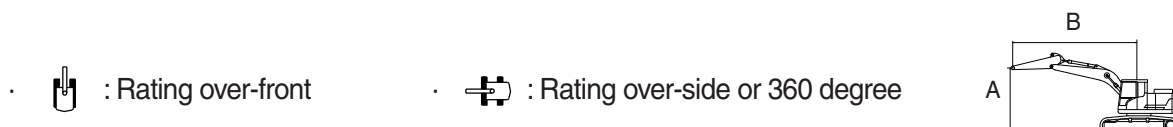
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	3100	2900	600	-	Up	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2710 *5970	*2710 *5970	5.51 (18.1)
6.0 m (19.7 ft)	kg lb							*3700 *8160	*3700 *8160			*2430 *5360	*2430 *5360	6.79 (22.3)
4.5 m (14.8 ft)	kg lb							*4020 *8860	*4020 *8860	*2570 *5670	*2570 *5670	*2340 *5160	*2340 *5160	7.56 (24.8)
3.0 m (9.8 ft)	kg lb			*7930 *17480	*7930 *17480	*5540 *12210	*5540 *12210	*4580 *10100	4000 8820	*3790 *8360	2830 6240	*2380 *5250	*2380 *5250	7.97 (26.2)
1.5 m (4.9 ft)	kg lb			*6760 *14900	*6760 *14900	*6920 *15260	5780 12740	*5230 *11530	3820 8420	3900 8600	2750 6060	*2530 *5580	2460 5420	8.09 (26.5)
0.0 m (0.0 ft)	kg lb			*6160 *13580	*6160 *13580	*7830 *17260	5500 12130	5320 11730	3670 8090	3830 8440	2690 5930	*2820 *6220	2490 5490	7.91 (25.9)
-1.5 m (-4.9 ft)	kg lb	*4790 *10560	*4790 *10560	*8770 *19330	*8770 *19330	*8030 *17700	5390 11880	5240 11550	3600 7940			*3360 *7410	2700 5950	7.42 (24.3)
-3.0 m (-9.8 ft)	kg lb	*8080 *17810	*8080 *17810	*10910 *24050	10290 22690	*7450 *16420	5400 11900	5260 11600	3620 7980			*4510 *9940	3230 7120	6.55 (21.5)
-4.5 m (-14.8 ft)	kg lb			*8260 *18210	*8260 *18210	*5640 *12430	5570 12280					*4650 *10250	*4650 *10250	5.11 (16.8)

Note 1. Lifting capacity are based on ISO 10567.

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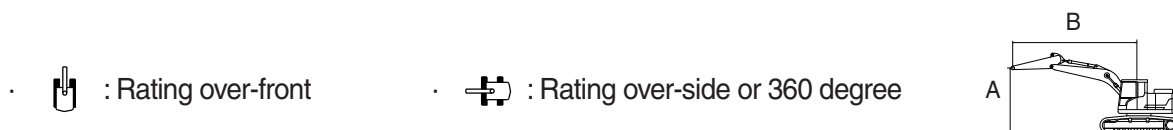
Lifting capacities will vary with different work tools, ground conditions and attachments.

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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2200	3250	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									*3850 *8490	*3850 *8490	5.86 (19.2)
4.5 m (14.8 ft)	kg lb					*5320 *11730	*5320 *11730	*4750 *10470	4280 9440	*3630 *8000	3560 7850	6.74 (22.1)
3.0 m (9.8 ft)	kg lb					*6540 *14420	6310 13910	*5200 *11460	4150 9150	*3650 *8050	3160 6970	7.20 (23.6)
1.5 m (4.9 ft)	kg lb					*7690 *16950	5990 13210	*5710 *12590	4010 8840	*3850 *8490	3030 6680	7.33 (24.0)
0.0 m (0.0 ft)	kg lb					*8180 *18030	5810 12810	*5980 *13180	3910 8620	*4310 *9500	3110 6860	7.13 (23.4)
-1.5 m (-4.9 ft)	kg lb			*9400 *20720	*9400 *20720	*7910 *17440	5780 12740	*5770 *12720	3890 8580	*5030 *11090	3460 7630	6.58 (21.6)
-3.0 m (-9.8 ft)	kg lb			*9400 *20720	*9400 *20720	*6720 *14820	5870 12940			*4980 *10980	4390 9680	5.58 (18.3)

Note 1. Lifting capacity are based on ISO 10567.

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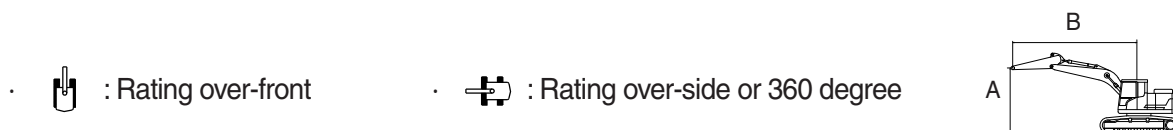
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2200	3250	600	-	Up	-	-	-



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									*3850 *8490	*3850 *8490	5.86 (19.2)
4.5 m (14.8 ft)	kg lb					*5320 *11730	*5320 *11730	*4750 *10470	4280 9440	*3630 *8000	3560 7850	6.74 (22.1)
3.0 m (9.8 ft)	kg lb					*6540 *14420	6310 13910	*5200 *11460	4150 9150	*3650 *8050	3160 6970	7.20 (23.6)
1.5 m (4.9 ft)	kg lb					*7690 *16950	5990 13210	*5710 *12590	4010 8840	*3850 *8490	3030 6680	7.33 (24.0)
0.0 m (0.0 ft)	kg lb					*8180 *18030	5810 12810	5610 12370	3910 8620	*4310 *9500	3110 6860	7.13 (23.4)
-1.5 m (-4.9 ft)	kg lb			*9400 *20720	*9400 *20720	*7910 *17440	5780 12740	5590 12320	3890 8580	4910 10820	3460 7630	6.58 (21.6)
-3.0 m (-9.8 ft)	kg lb			*9400 *20720	*9400 *20720	*6720 *14820	5870 12940			*4980 *10980	4390 9680	5.58 (18.3)

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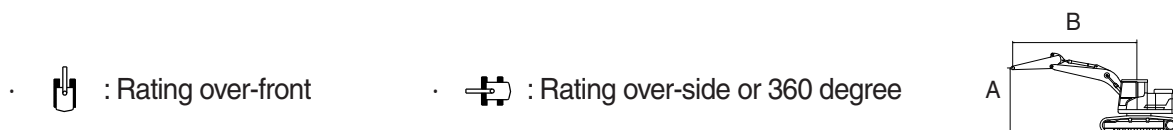
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	3250	600	-	Down	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*3410 *7520	*3410 *7520	4.85 (15.9)
6.0 m (19.7 ft)	kg lb							*3840 *8470	*3840 *8470			*2970 *6550	*2970 *6550	6.27 (20.6)
4.5 m (14.8 ft)	kg lb					*4870 *10740	*4870 *10740	*4430 *9770	4310 9500			*2850 *6280	*2850 *6280	7.10 (23.3)
3.0 m (9.8 ft)	kg lb			*9370 *20660	*9370 *20660	*6120 *13490	*6120 *13490	*4940 *10890	4170 9190	*3110 *6860	2980 6570	*2880 *6350	*2880 *6350	7.54 (24.7)
1.5 m (4.9 ft)	kg lb					*7380 *16270	6020 13270	*5520 *12170	4010 8840	*4040 *8910	2920 6440	*3060 *6750	2830 6240	7.66 (25.1)
0.0 m (0.0 ft)	kg lb			*5290 *11660	*5290 *11660	*8070 *17790	5800 12790	*5900 *13010	3900 8600			*3420 *7540	2890 6370	7.47 (24.5)
-1.5 m (-4.9 ft)	kg lb	*5090 *11220	*5090 *11220	*9190 *20260	*9190 *20260	*8010 *17660	5740 12650	*5850 *12900	3850 8490			*4130 *9110	3180 7010	6.95 (22.8)
-3.0 m (-9.8 ft)	kg lb	*9360 *20640	*9360 *20640	*10170 *22420	*10170 *22420	*7120 *15700	5790 12760	*4910 *10820	3920 8640			*4890 *10780	3900 8600	6.01 (19.7)
-4.5 m (-14.8 ft)	kg lb			*6860 *15120	*6860 *15120							*4560 *10050	*4560 *10050	4.39 (14.4)

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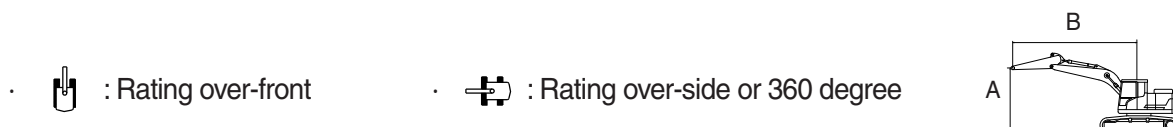
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	3250	600	-	Up	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*3410 *7520	*3410 *7520	4.85 (15.9)
6.0 m (19.7 ft)	kg lb							*3840 *8470	*3840 *8470			*2970 *6550	*2970 *6550	6.27 (20.6)
4.5 m (14.8 ft)	kg lb					*4870 *10740	*4870 *10740	*4430 *9770	4310 9500			*2850 *6280	*2850 *6280	7.10 (23.3)
3.0 m (9.8 ft)	kg lb			*9370 *20660	*9370 *20660	*6120 *13490	*6120 *13490	*4940 *10890	4170 9190	*3110 *6860	2980 6570	*2880 *6350	*2880 *6350	7.54 (24.7)
1.5 m (4.9 ft)	kg lb					*7380 *16270	6020 13270	*5520 *12170	4010 8840	*4040 *8910	2920 6440	*3060 *6750	2830 6240	7.66 (25.1)
0.0 m (0.0 ft)	kg lb			*5290 *11660	*5290 *11660	*8070 *17790	5800 12790	5590 12320	3900 8600			*3420 *7540	2890 6370	7.47 (24.5)
-1.5 m (-4.9 ft)	kg lb	*5090 *11220	*5090 *11220	*9190 *20260	*9190 *20260	*8010 *17660	5740 12650	5540 12210	3850 8490			*4130 *9110	3180 7010	6.95 (22.8)
-3.0 m (-9.8 ft)	kg lb	*9360 *20640	*9360 *20640	*10170 *22420	*10170 *22420	*7120 *15700	5790 12760	*4910 *10820	3920 8640			*4890 *10780	3900 8600	6.01 (19.7)
-4.5 m (-14.8 ft)	kg lb			*6860 *15120	*6860 *15120							*4560 *10050	*4560 *10050	4.39 (14.4)

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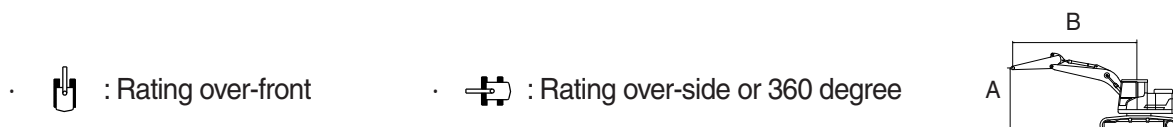
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	3100	3250	600	-	Down	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2710 *5970	*2710 *5970	5.51 (18.1)
6.0 m (19.7 ft)	kg lb							*3700 *8160	*3700 *8160			*2430 *5360	*2430 *5360	6.79 (22.3)
4.5 m (14.8 ft)	kg lb							*4020 *8860	*4020 *8860	*2570 *5670	*2570 *5670	*2340 *5160	*2340 *5160	7.56 (24.8)
3.0 m (9.8 ft)	kg lb			*7930 *17480	*7930 *17480	*5540 *12210	*5540 *12210	*4580 *10100	4190 9240	*3790 *8360	2980 6570	*2380 *5250	*2380 *5250	7.97 (26.2)
1.5 m (4.9 ft)	kg lb			*6760 *14900	*6760 *14900	*6920 *15260	6060 13360	*5230 *11530	4010 8840	*4390 *9680	2900 6390	*2530 *5580	*2530 *5580	8.09 (26.5)
0.0 m (0.0 ft)	kg lb			*6160 *13580	*6160 *13580	*7830 *17260	5780 12740	*5730 *12630	3870 8530	*4580 *10100	2830 6240	*2820 *6220	2630 5800	7.91 (25.9)
-1.5 m (-4.9 ft)	kg lb	*4790 *10560	*4790 *10560	*8770 *19330	*8770 *19330	*8030 *17700	5670 12500	*5860 *12920	3790 8360			*3360 *7410	2850 6280	7.42 (24.3)
-3.0 m (-9.8 ft)	kg lb	*8080 *17810	*8080 *17810	*10910 *24050	10810 23830	*7450 *16420	5680 12520	*5360 *11820	3810 8400			*4510 *9940	3400 7500	6.55 (21.5)
-4.5 m (-14.8 ft)	kg lb			*8260 *18210	*8260 *18210	*5640 *12430	*5640 *12430					*4650 *10250	*4650 *10250	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).

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

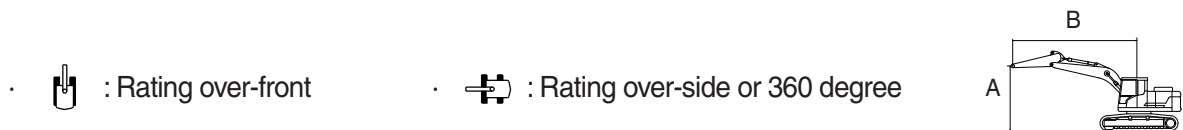
Lifting capacities will vary with different work tools, ground conditions and attachments.

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	
HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	3100	3250	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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2710 *5970	*2710 *5970	5.51 (18.1)
6.0 m (19.7 ft)	kg lb							*3700 *8160	*3700 *8160			*2430 *5360	*2430 *5360	6.79 (22.3)
4.5 m (14.8 ft)	kg lb							*4020 *8860	*4020 *8860	*2570 *5670	*2570 *5670	*2340 *5160	*2340 *5160	7.56 (24.8)
3.0 m (9.8 ft)	kg lb			*7930 *17480	*7930 *17480	*5540 *12210	*5540 *12210	*4580 *10100	4190 9240	*3790 *8360	2980 6570	*2380 *5250	*2380 *5250	7.97 (26.2)
1.5 m (4.9 ft)	kg lb			*6760 *14900	*6760 *14900	*6920 *15260	6060 13360	*5230 *11530	4010 8840	4080 8990	2900 6390	*2530 *5580	*2530 *5580	8.09 (26.5)
0.0 m (0.0 ft)	kg lb			*6160 *13580	*6160 *13580	*7830 *17260	5780 12740	5570 12280	3870 8530	4010 8840	2830 6240	*2820 *6220	2630 5800	7.91 (25.9)
-1.5 m (-4.9 ft)	kg lb	*4790 *10560	*4790 *10560	*8770 *19330	*8770 *19330	*8030 *17700	5670 12500	5480 12080	3790 8360			*3360 *7410	2850 6280	7.42 (24.3)
-3.0 m (-9.8 ft)	kg lb	*8080 *17810	*8080 *17810	*10910 *24050	10810 23830	*7450 *16420	5680 12520	*5360 *11820	3810 8400			*4510 *9940	3400 7500	6.55 (21.5)
-4.5 m (-14.8 ft)	kg lb			*8260 *18210	*8260 *18210	*5640 *12430	*5640 *12430					*4650 *10250	*4650 *10250	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).

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

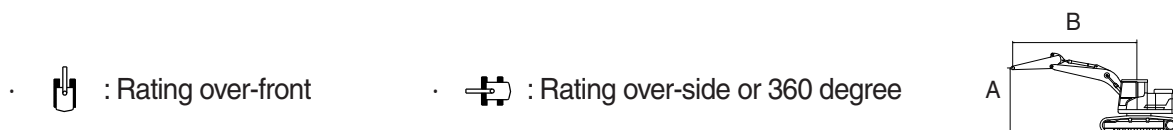
Lifting capacities will vary with different work tools, ground conditions and attachments.

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	
HX180A LD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5097	2200	3250	600	-	Down	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*4850 *10690	*4850 *10690	4.43 (14.5)
6.0 m (19.7 ft)	kg lb			*4510 *9940	*4510 *9940					*3970 *8750	*3970 *8750	5.95 (19.5)
4.5 m (14.8 ft)	kg lb			*5110 *11270	*5110 *11270	*4560 *10050	4280 9440			*3670 *8090	3470 7650	6.82 (22.4)
3.0 m (9.8 ft)	kg lb			*6280 *13850	*6280 *13850	*5010 *11050	4150 9150			*3620 *7980	3100 6830	7.28 (23.9)
1.5 m (4.9 ft)	kg lb			*7440 *16400	5960 13140	*5530 *12190	4000 8820			*3750 *8270	2970 6550	7.40 (24.3)
0.0 m (0.0 ft)	kg lb			*8020 *17680	5790 12760	*5870 *12940	3890 8580			*4090 *9020	3050 6720	7.20 (23.6)
-1.5 m (-4.9 ft)	kg lb	*8360 *18430	*8360 *18430	*7890 *17390	5760 12700	*5760 *12700	3880 8550			*4780 *10540	3400 7500	6.66 (21.9)

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.

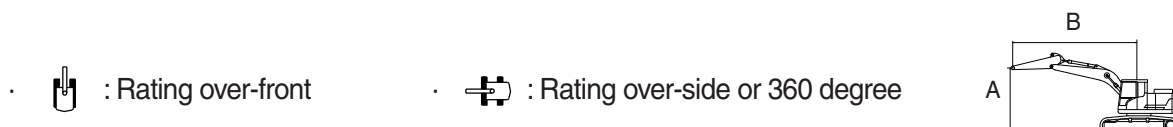
Lifting capacities will vary with different work tools, ground conditions and attachments.

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	
HX180A LD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5097	2200	3250	600	-	Up	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*4850 *10690	*4850 *10690	4.43 (14.5)
6.0 m (19.7 ft)	kg lb			*4510 *9940	*4510 *9940					*3970 *8750	*3970 *8750	5.95 (19.5)
4.5 m (14.8 ft)	kg lb			*5110 *11270	*5110 *11270	*4560 *10050	4280 9440			*3670 *8090	3470 7650	6.82 (22.4)
3.0 m (9.8 ft)	kg lb			*6280 *13850	*6280 *13850	*5010 *11050	4150 9150			*3620 *7980	3100 6830	7.28 (23.9)
1.5 m (4.9 ft)	kg lb			*7440 *16400	5960 13140	*5530 *12190	4000 8820			*3750 *8270	2970 6550	7.40 (24.3)
0.0 m (0.0 ft)	kg lb			*8020 *17680	5790 12760	5620 12390	3890 8580			*4090 *9020	3050 6720	7.20 (23.6)
-1.5 m (-4.9 ft)	kg lb	*8360 *18430	*8360 *18430	*7890 *17390	5760 12700	5610 12370	3880 8550			*4780 *10540	3400 7500	6.66 (21.9)

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.

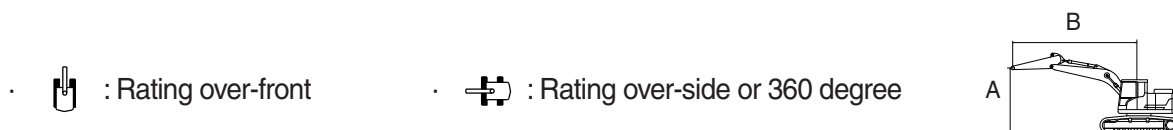
Lifting capacities will vary with different work tools, ground conditions and attachments.

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	
HX180A LD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5097	2600	3250	600	-	Down	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb			*4310 *9500	*4310 *9500					*3570 *7870	*3570 *7870	5.00 (16.4)
6.0 m (19.7 ft)	kg lb					*4130 *9110	*4130 *9110			*3050 *6720	*3050 *6720	6.39 (21.0)
4.5 m (14.8 ft)	kg lb			*4680 *10320	*4680 *10320	*4250 *9370	*4250 *9370			*2870 *6330	*2870 *6330	7.20 (23.6)
3.0 m (9.8 ft)	kg lb			*5870 *12940	*5870 *12940	*4750 *10470	4170 9190	*3660 *8070	2970 6550	*2850 *6280	*2850 *6280	7.63 (25.0)
1.5 m (4.9 ft)	kg lb			*7130 *15720	6000 13230	*5330 *11750	4000 8820	*4480 *9880	2900 6390	*2970 *6550	2770 6110	7.75 (25.4)
0.0 m (0.0 ft)	kg lb			*7880 *17370	5780 12740	*5760 *12700	3880 8550	*3840 *8470	2860 6310	*3250 *7170	2830 6240	7.56 (24.8)
-1.5 m (-4.9 ft)	kg lb	*8290 *18280	*8290 *18280	*7950 *17530	5710 12590	*5810 *12810	3830 8440			*3800 *8380	3110 6860	7.05 (23.1)
-3.0 m (-9.8 ft)	kg lb			*7200 *15870	5780 12740							

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.

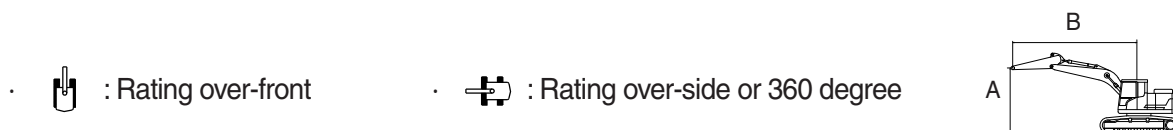
Lifting capacities will vary with different work tools, ground conditions and attachments.

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	
HX180A LD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5097	2600	3250	600	-	Up	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb			*4310 *9500	*4310 *9500					*3570 *7870	*3570 *7870	5.00 (16.4)
6.0 m (19.7 ft)	kg lb					*4130 *9110	*4130 *9110			*3050 *6720	*3050 *6720	6.39 (21.0)
4.5 m (14.8 ft)	kg lb			*4680 *10320	*4680 *10320	*4250 *9370	*4250 *9370			*2870 *6330	*2870 *6330	7.20 (23.6)
3.0 m (9.8 ft)	kg lb			*5870 *12940	*5870 *12940	*4750 *10470	4170 9190	*3660 *8070	2970 6550	*2850 *6280	*2850 *6280	7.63 (25.0)
1.5 m (4.9 ft)	kg lb			*7130 *15720	6000 13230	*5330 *11750	4000 8820	4110 9060	2900 6390	*2970 *6550	2770 6110	7.75 (25.4)
0.0 m (0.0 ft)	kg lb			*7880 *17370	5780 12740	5610 12370	3880 8550	*3840 *8470	2860 6310	*3250 *7170	2830 6240	7.56 (24.8)
-1.5 m (-4.9 ft)	kg lb	*8290 *18280	*8290 *18280	*7950 *17530	5710 12590	5560 12260	3830 8440			*3800 *8380	3110 6860	7.05 (23.1)
-3.0 m (-9.8 ft)	kg lb			*7200 *15870	5780 12740							

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.

6. BUCKET SELECTION GUIDE

1) HX160A L/LD (1/2)



General bucket

Type	Counterweight					2600 kg			3250 kg	
	Capacity		Width	Weight	Tooth	MONO		2-PIECE		
	SAE Heaped	CECE heaped	Without side cutter			5.1 m (16' 9") Boom				
	m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA	2.2 m (7' 3") Arm	2.6 m (8' 6") Arm	3.1 m (10' 2") Arm	2.2 m (7' 3") Arm	2.6 m (8' 6") Arm
General bucket	0.73 (0.95)	0.67 (0.88)	914 (36.0")	617 (1360)	5	●	◐	◐	●	●
	0.85 (1.11)	0.76 (0.99)	1067 (42.0")	669 (1470)	5	◐	■	X	◐	◐
	0.88 (1.15)	0.77 (1.01)	1200 (47.2")	662 (1460)	6	◐	■	X	◐	◐
	0.96 (1.26)	0.84 (1.10)	1350 (53.1")	726 (1600)	6	X	X	X	X	X

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

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

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

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

HX160A L/LD (2/2)



General bucket

Type	Counterweight					3250 kg				
	Capacity		Width	Weight	Tooth	MONO		2-PIECE		
	SAE Heaped	CECE heaped	Without side cutter			5.1 m (16' 9") Boom				
	m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA	2.2 m (7' 3") Arm	2.6 m (8' 6") Arm	3.1 m (10' 2") Arm	2.2 m (7' 3") Arm	2.6 m (8' 6") Arm
General bucket	0.73 (0.95)	0.67 (0.88)	914 (36.0")	617 (1360)	5	●	●	◐	●	●
	0.85 (1.11)	0.76 (0.99)	1067 (42.0")	669 (1470)	5	◐	◐	X	◐	◐
	0.88 (1.15)	0.77 (1.01)	1200 (47.2")	662 (1460)	5	◐	◐	X	◐	◐
	0.96 (1.26)	0.84 (1.10)	1350 (53.1")	726 (1600)	6	■	■	X	■	■

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

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

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

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

2) HX180A L/LD (1/2)



General bucket

Type	Counterweight					2900 kg			3250 kg	
	Capacity		Width	Weight	Tooth	MONO			2-PIECE	
	SAE Heaped	CECE heaped	Without side cutter			5.1 m (16' 9") Boom				
	m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA	2.2 m (7' 3") Arm	2.6 m (8' 6") Arm	3.1 m (10' 2") Arm	2.2 m (7' 3") Arm	2.6 m (8' 6") Arm
General bucket	0.73 (0.95)	0.67 (0.88)	914 (36.0")	617 (1360)	5	●	●	●	●	●
	0.85 (1.11)	0.76 (0.99)	1067 (42.0")	669 (1470)	5	●	●	◐	●	●
	0.88 (1.15)	0.77 (1.01)	1200 (47.2")	662 (1460)	5	●	●	◐	●	●
	0.96 (1.26)	0.84 (1.10)	1350 (53.1")	726 (1600)	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.

HX180A L/LD (2/2)



General bucket

Type	Counterweight					3250 kg				
	Capacity		Width	Weight	Tooth	MONO		2-PIECE		
	SAE Heaped	CECE heaped	Without side cutter			5.1 m (16' 9") Boom				
	m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA	2.2 m (7' 3") Arm	2.6 m (8' 6") Arm	3.1 m (10' 2") Arm	2.2 m (7' 3") Arm	2.6 m (8' 6") Arm
General bucket	0.73 (0.95)	0.67 (0.88)	914 (36.0")	617 (1360)	5	●	●	●	●	●
	0.85 (1.11)	0.76 (0.99)	1067 (42.0")	669 (1470)	5	●	●	◐	●	●
	0.88 (1.15)	0.77 (1.01)	1200 (47.2")	662 (1460)	5	●	●	◐	●	●
	0.96 (1.26)	0.84 (1.10)	1350 (53.1")	726 (1600)	6	●	◐	◐	●	◐

●	Applicable for materials with density of 2100 kg/m ³ (3500 lb/yd ³) or less
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■	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")	800	(32)
HX160A L	Operating weight	kg	(lb)	17455	38480	17965	39010	17945	39560	-	-
	Ground pressure	kgf/cm ²	(psi)	0.51	7.24	0.51	7.24	0.37	5.32	-	-
	Overall width	mm		2490	(8' 2")	2590	(8' 6")	2690	(8' 10")	-	-
	Link quantity	EA		49		49		49		-	
HX160A LD	Operating weight	kg	(lb)	18540	40870	18775	41390	19050	42000	-	-
	Ground pressure	kgf/cm ²	(psi)	0.54	7.69	0.46	6.49	0.40	5.64	-	-
	Overall width	mm		2490	(8' 2")	2590	(8' 6")	2690	(8' 10")	-	-
	Link quantity	EA		49		49		49		-	
HX180A L	Operating weight	kg	(lb)	18140	39990	18400	40570	18665	41150	18920	41710
	Ground pressure	kgf/cm ²	(psi)	0.50	7.13	0.42	6.03	0.37	5.24	0.33	4.65
	Overall width	mm		2750	(9' 0")	2850	(9' 4")	2950	(9' 8")	3050	(10' 0")
	Link quantity	EA		51		51		51		51	
HX180A LD	Operating weight	kg	(lb)	19235	42410	19505	43000	19780	43610	19985	44060
	Ground pressure	kgf/cm ²	(psi)	0.53	7.56	0.45	6.39	0.39	5.55	0.35	4.91
	Overall width	mm		2750	(9' 0")	2850	(9' 4")	2950	(9' 8")	3050	(10' 0")
	Link quantity	EA		51		51		51		51	

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
HX160A L	500 mm triple grouser	Standard	A
	600 mm triple grouser	Option	B
	700 mm triple grouser	Option	C
HX180A L	500 mm triple grouser	Standard	A
	600 mm triple grouser	Option	B
	700 mm triple grouser	Option	C
	800 mm triple grouser	Option	C

Table 2

Category	Applications	Precautions
A	Rocky ground, river beds, normal soil	· 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	· These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees · Travel at high speed only on flat ground · Travel slowly at low speed if it is impossible to avoid going over obstacles
C	Extremely soft ground (swampy ground)	· Use the shoes only in the conditions that the machine sinks and it is impossible to use the shoes of category A or B · These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees · Travel at high speed only on flat ground · Travel slowly at low speed if it is impossible to avoid going over obstacles

8. SPECIFICATIONS FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Maker / Model	Cummins / B4.5
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 × stroke	107 × 124 mm (4.21" × 4.88")
Displacement	4.5 ℓ (275 cu in)
Compression ratio	17.2 : 1
Gross power	155 Hp (115 kW) at 2200 rpm
Net power	152 Hp (113 kW) at 2200 rpm
Max. power	155 Hp (115 kW) at 2200 rpm
Peak Torque	712 N·m (525 lbf·ft) at 1200 rpm
Engine oil quantity	11 ℓ (2.9 U.S. gal)
Wet weight	383 kg (844 lb)
Starter motor	24 V-4.8 kW
Alternator	24 V-95 A

2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 80 cc/rev
Maximum pressure	350 kgf/cm ² (4980 psi)
Maximum pressure (power boost)	380 kgf/cm ² (5400 psi)
Rated oil flow	2 × 160 ℓ /min (42.3 U.S. gpm / 35.2 U.K. gpm)
Rated speed	2000 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	29 ℓ /min (7.7 U.S. gpm/6.4 U.K. gpm)

4) MAIN CONTROL VALVE

Item		Specification
Type		11 spools
Operating method		Hydraulic pilot system
Main relief valve pressure		350 kgf/cm ² (4980 psi) [380 kgf/cm ² (5400 psi)]
Port relief valve pressure	Boom	400 kgf/cm ² (5690 psi)
	Arm	400 kgf/cm ² (5690 psi)
	Bucket	400 kgf/cm ² (5690 psi)

[] : Power boost

5) SWING MOTOR

Item		Specification
Type		Fixed displacement axial piston motor
Capacity		142.8 cc/rev
Relief pressure		285 kgf/cm² (4060 psi)
Braking system		Automatic, spring applied hydraulic released
Braking torque		1183 kgf · m (8557 lbf · ft) over
Brake release pressure	Cracking	22.3 kgf/cm² (317 psi)
	Full stroke	36.6 kgf/cm² (521 psi)
Reduction gear type		2 - stage planetary

6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement axial piston motor
Capacity	147.1/83.6 cc/rev
Relief pressure	350 kgf/cm ² (4980 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	2868 kgf · m (20708 lbf · ft)
Brake release pressure	11.1~14.9 kgf/cm ² (158~212 psi)
Reduction gear type	2-stage planetary

7) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Stroke	Ø 115 × 1090 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Stroke	Ø 120 × 1355 mm
	Cushion	Extend and retract
Arm cylinder (2-piece boom)	Bore dia × Stroke	Ø 160×650 mm
	Cushion	Extend and retract
Adjust cylinder (2-piece boom)	Bore dia × Stroke	Ø 110×995 mm
	Cushion	Extend only
Bucket cylinder	Bore dia × Stroke	Ø 110 × 995 mm
	Cushion	Extend only
Bucket cylinder (long reach)	Bore dia × Stroke	Ø 110 × 320 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						
DEF/ AdBlue® tank	Mixture of urea and deionized water	35 (9.2)	ISO 22241, High-purity urea + deionized water (32.5:67.5)								
Swing drive	Gear oil	6.2 (1.6)	★SAE 75W-90								
Final drive		6.0x2 (1.6x2)		SAE 80W-90							
Hydraulic tank	Hydraulic oil	Tank 125 (33.0)	★ISO VG 15								
				ISO VG 32							
		System 225 (67.4)		ISO VG 46, HBHO VG 46★ ³							
				ISO VG 68							
Fuel tank	Diesel fuel★ ¹	290 (76.6)	★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	23 (6.1)	Ethylene glycol base permanent type (50 : 50)								
			★Ethylene glycol base permanent type (60 : 40)								

SAE : Society of Automotive Engineers

API : American Petroleum Institute

ISO : International Organization for Standardization

NLGI : National Lubricating Grease Institute

ASTM : American Society of Testing and Material

DEF : Diesel Exhaust Fluid, DEF compatible with AdBlue®

★ : Cold region (Russia, CIS, Mongolia)

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

★² : Soft water
City water or distilled water

★³ : HD Hyundai Construction Equipment
Bio Hydraulic Oil

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

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

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

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