

SECTION 1 GENERAL

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SECTION 1 GENERAL

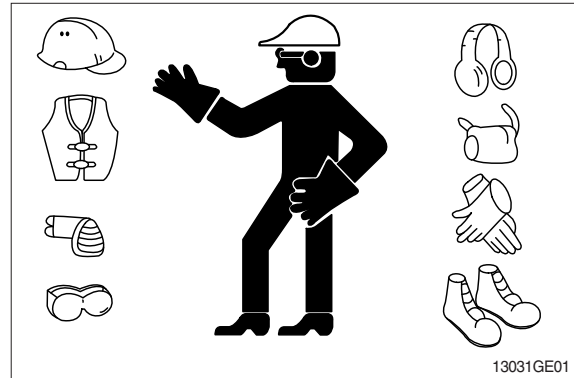
GROUP 1 SAFETY

FOLLOW SAFE PROCEDURE

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

WEAR PROTECTIVE CLOTHING

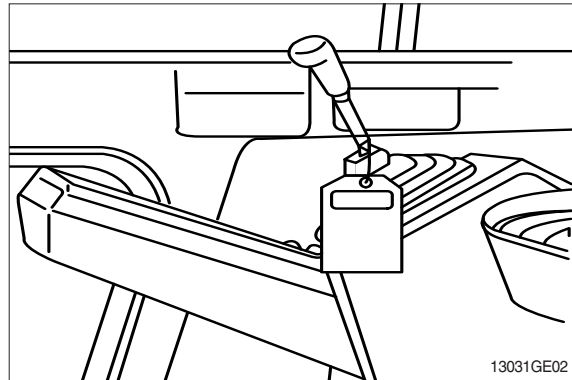
Wear close fitting clothing and safety equipment appropriate to the job.



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.



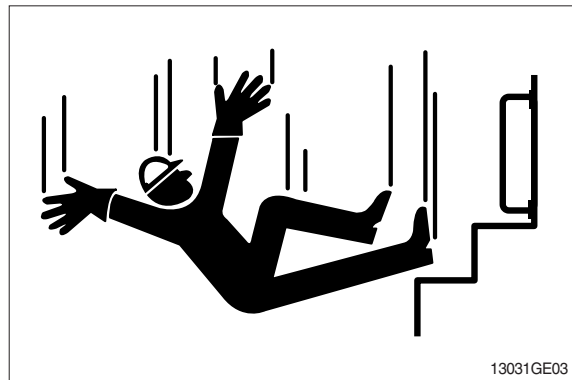
USE HANDHOLDS AND STEPS

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.

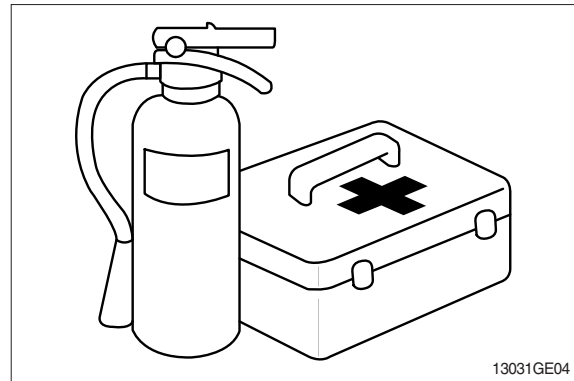


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

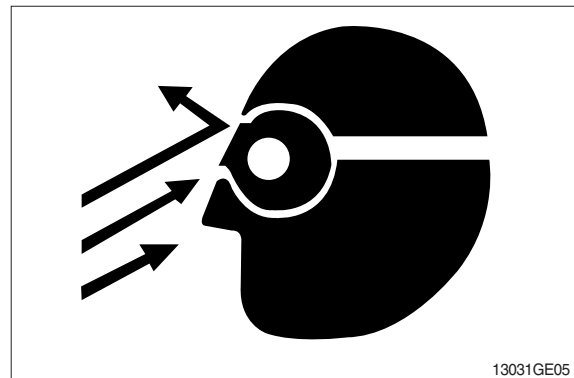
Keep a first aid kit and fire extinguisher handy.

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



PROTECT AGAINST FLYING DEBRIS

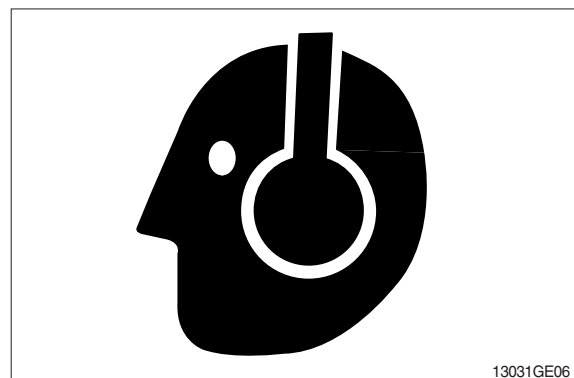
Guard against injury from flying pieces of metal or debris; Wear goggles or safety glasses.



PROTECT AGAINST NOISE

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

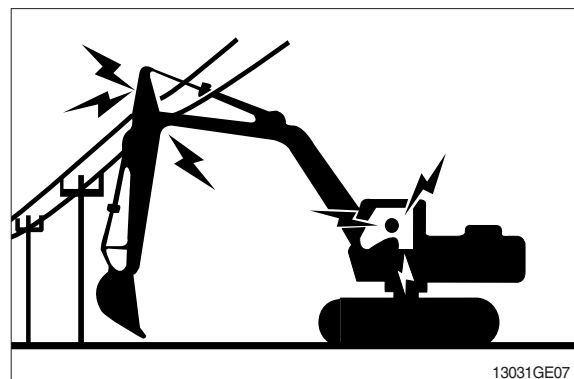
Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



AVOID POWER LINES

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

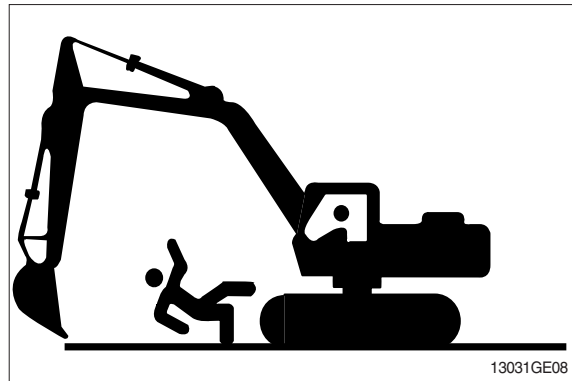
Never move any part of the machine or load closer to electric line than 3m(10ft) plus twice the line insulator length.



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.

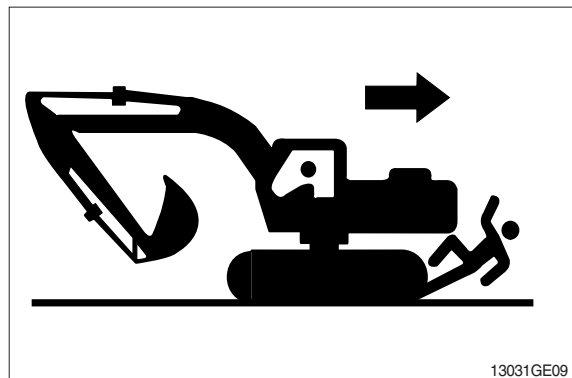


MOVE AND OPERATE MACHINE SAFELY

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:

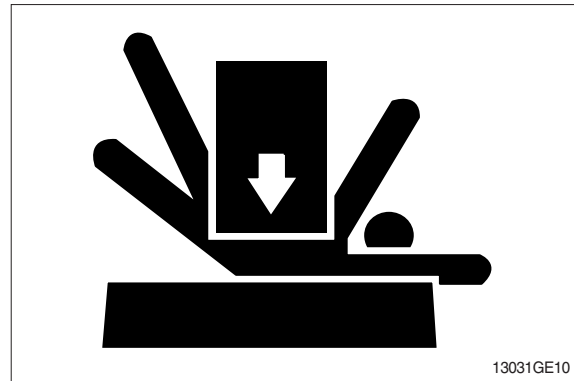
- Park machine on a level surface.
- Lower bucket to the ground.
- Turn auto idle switch off.
- Run engine at low idle speed without load for 5 minutes.
- Turn key switch to OFF to stop engine. Remove key from switch.
- Place safety lever to locked position.
- Allow engine to cool.

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.

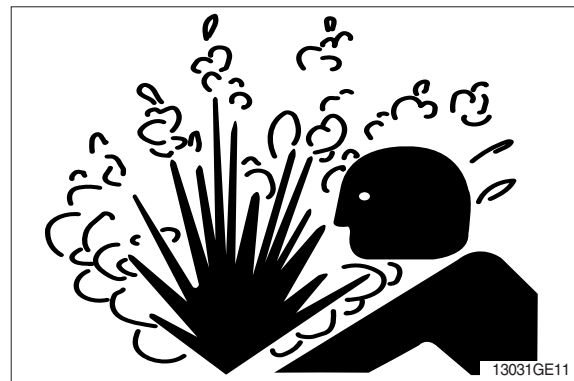
Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.



SERVICE COOLING SYSTEM SAFELY

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

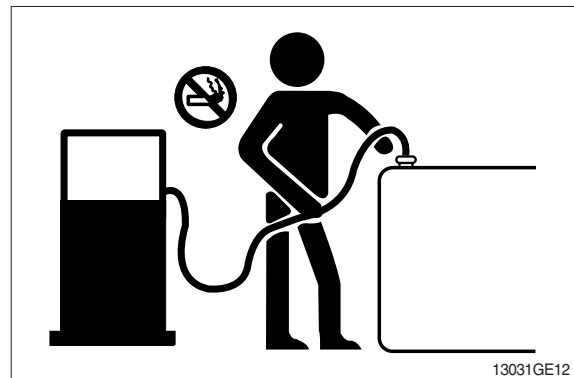
Shut off engine. Only remove filler cap when cool enough to touch with bare hands.



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.

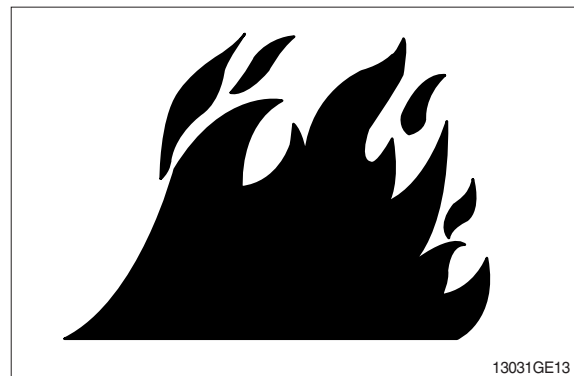
Fill fuel tank outdoors.



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.

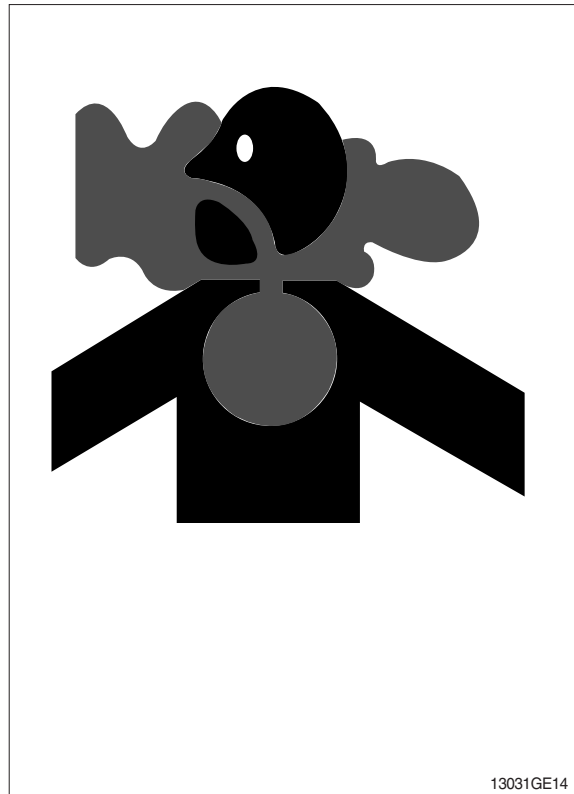
Do all work outside or in a well ventilated area. Dispose of paint and solvent properly.

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

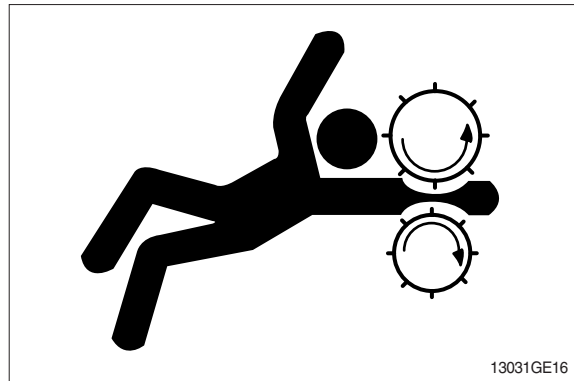
Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.



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.

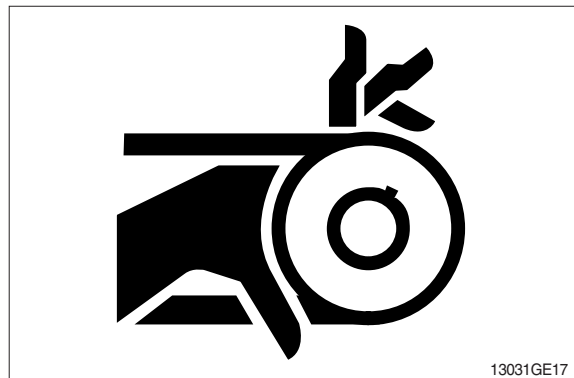
Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



STAY CLEAR OF MOVING PARTS

Entanglements in moving parts can cause serious injury.

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



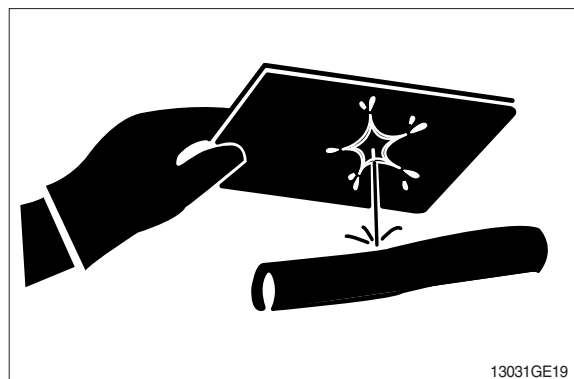
AVOID HIGH PRESSURE FLUIDS

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

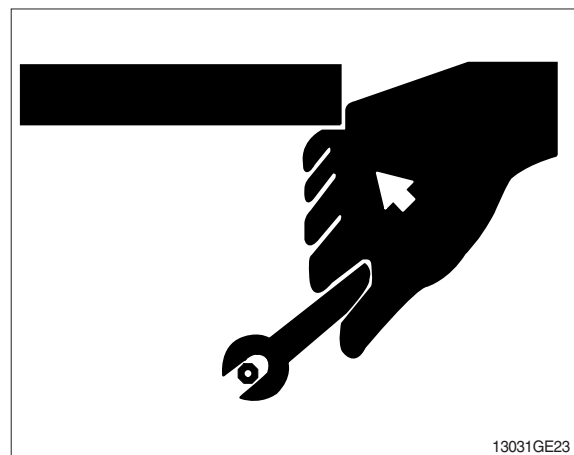
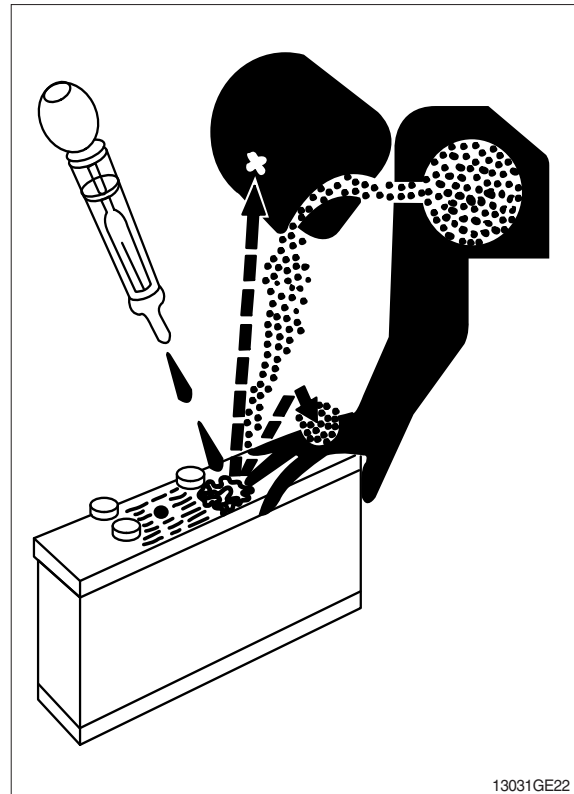
Use tools appropriate to the work. Makeshift tools, parts, and procedures can create safety hazards.

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.)

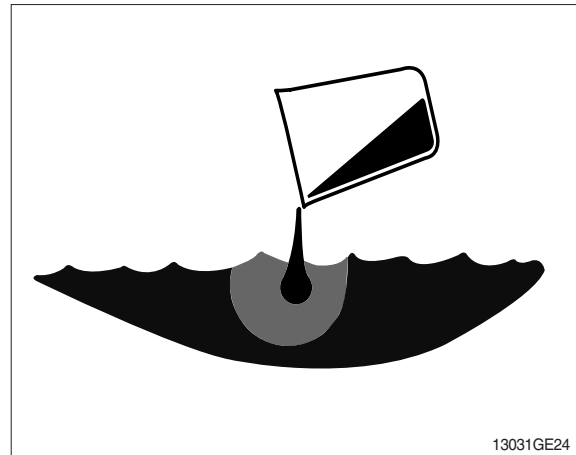


DISPOSE OF FLUIDS PROPERLY

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.

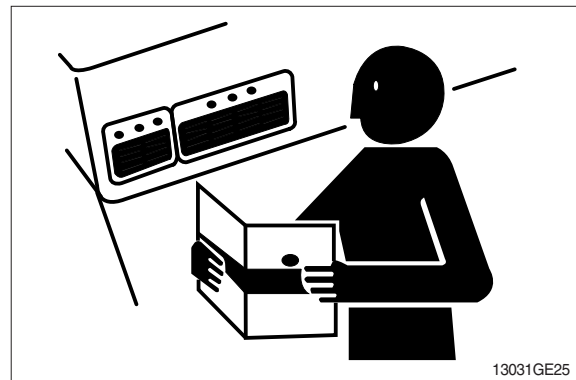
Use proper containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

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.

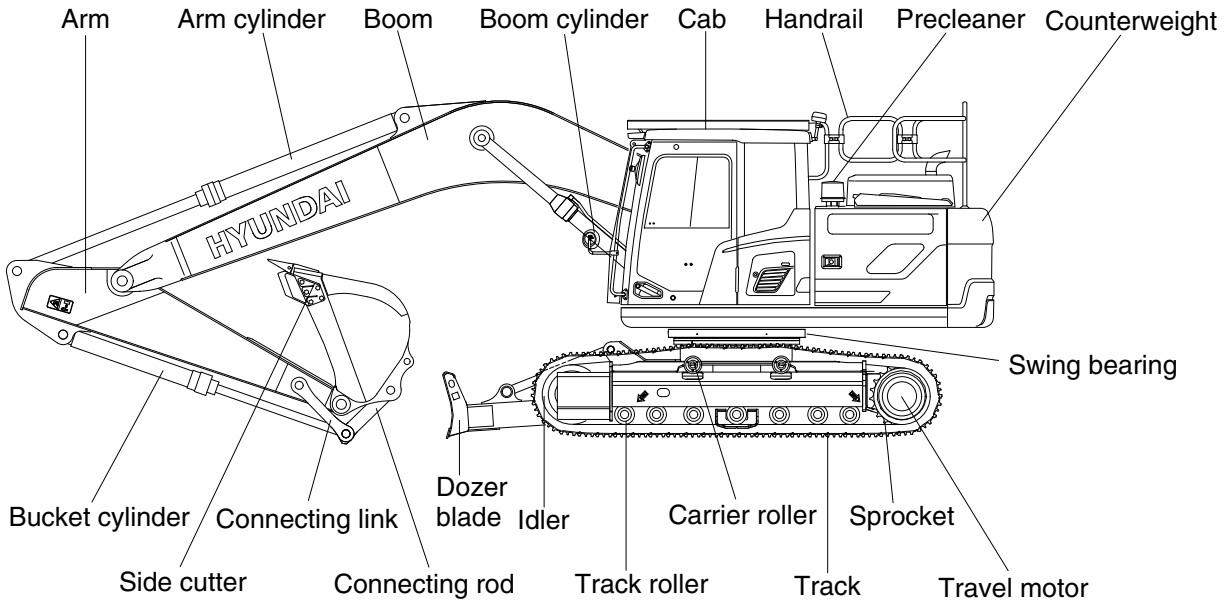
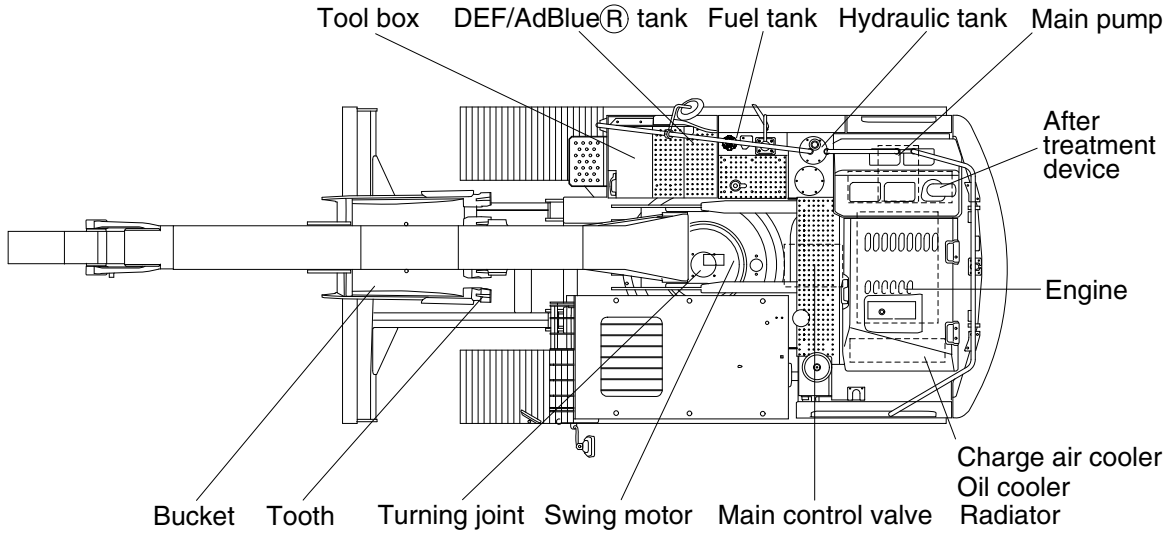


LIVE WITH SAFETY

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

GROUP 2 SPECIFICATIONS

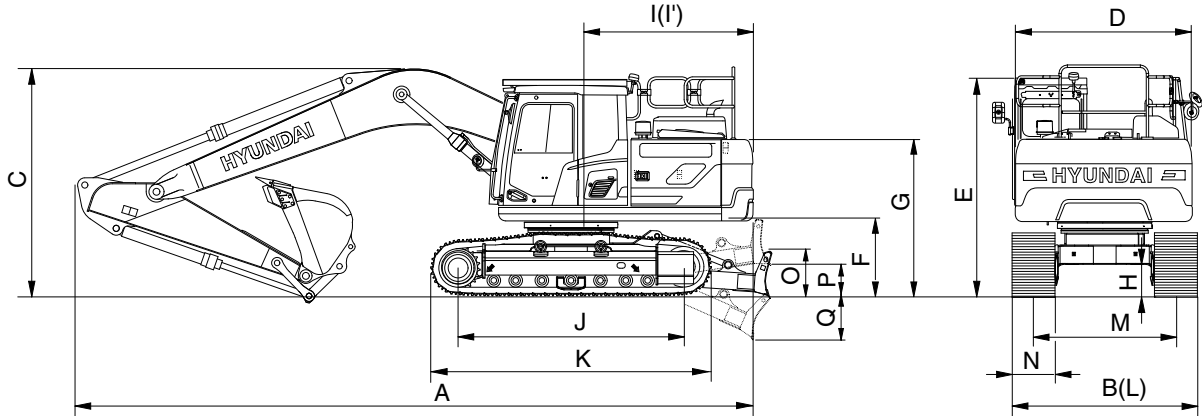
1. MAJOR COMPONENT



160A2SP01

2. SPECIFICATIONS

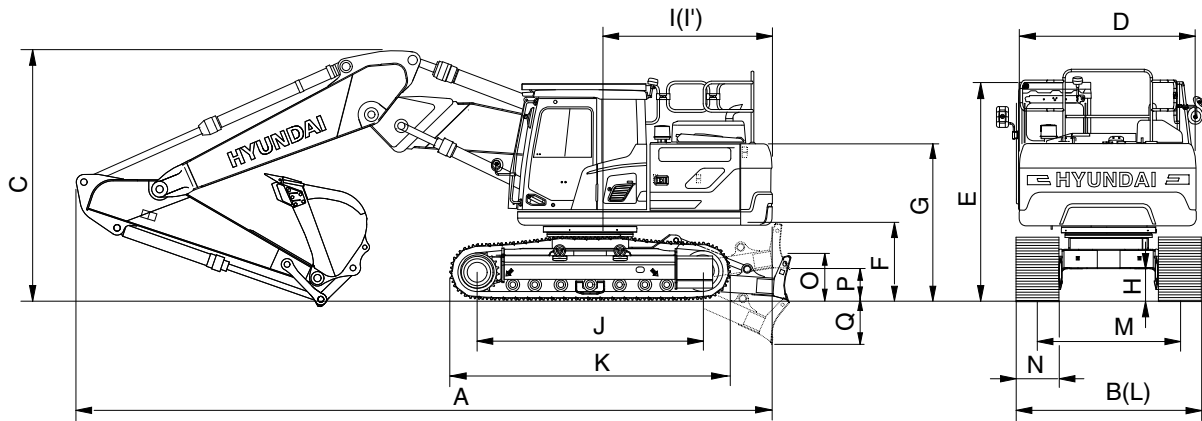
1) HX160A L, MONO BOOM



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	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)	

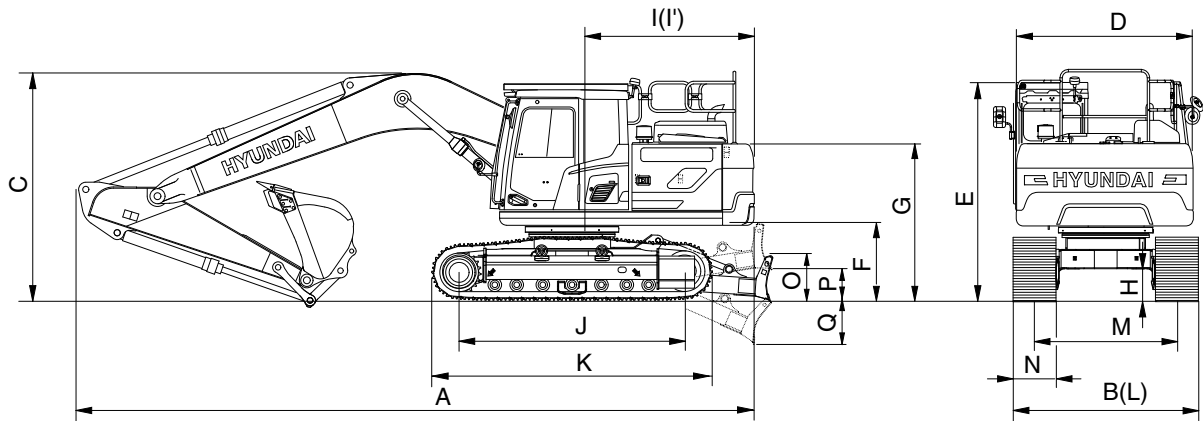
2) HX160A L, 2-PIECE BOOM



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)	

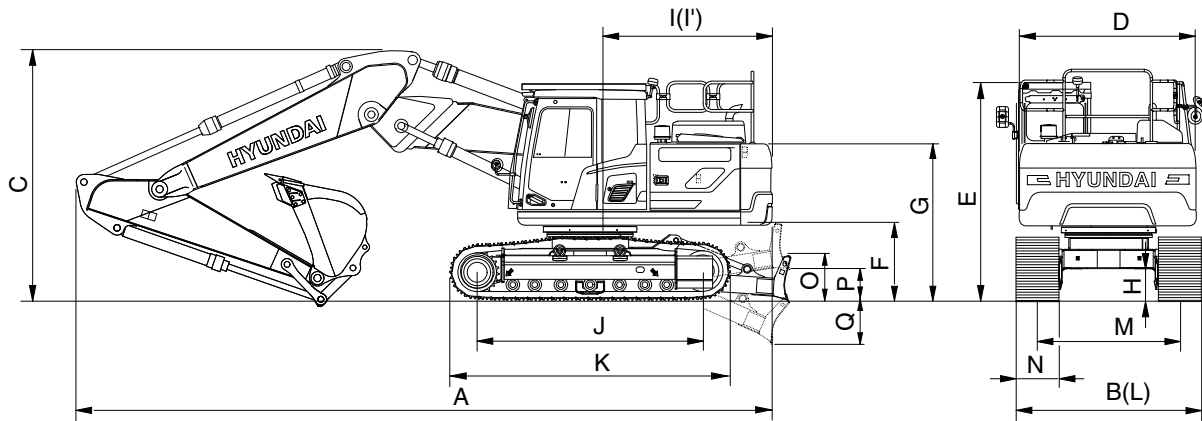
3) HX180A L, MONO BOOM



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

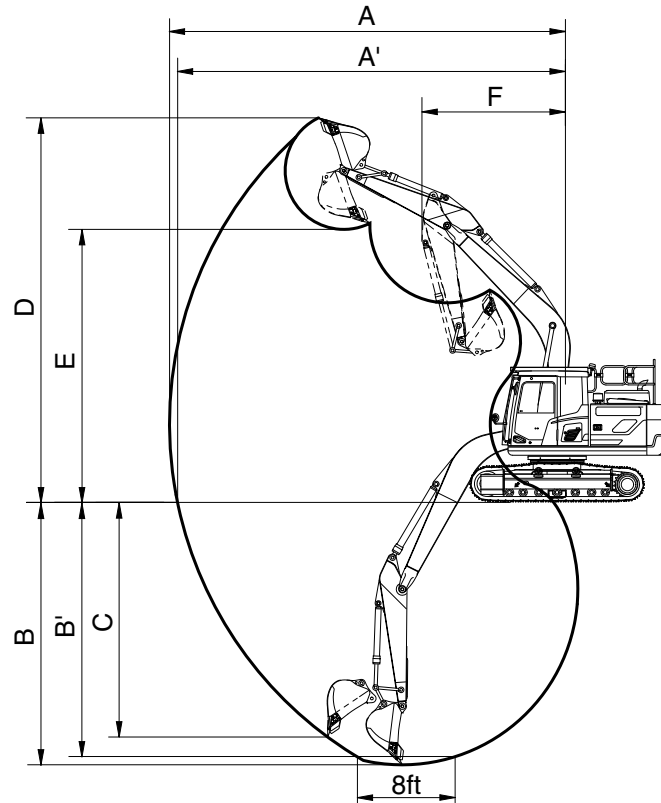


160A2SP03

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

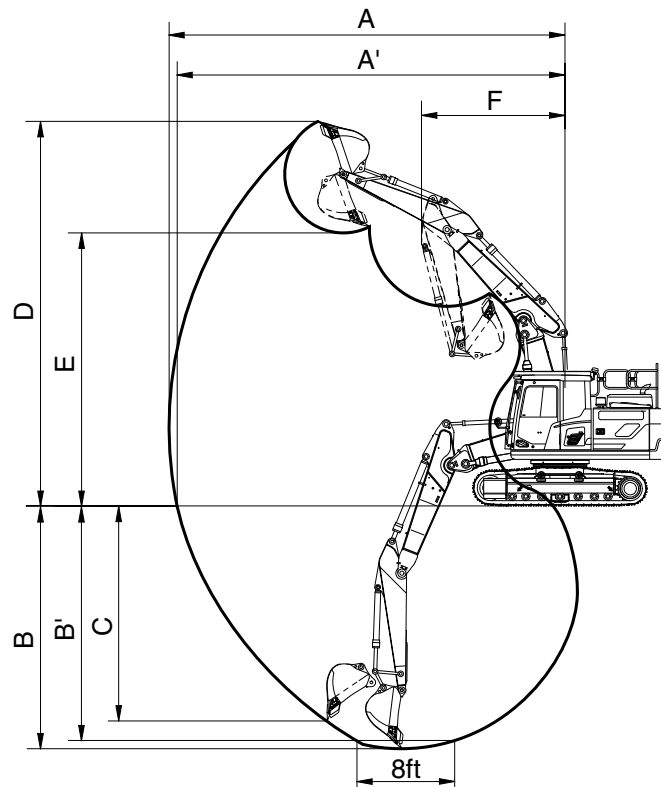


160A2SP10

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		107.9 [117.2]	107.7 [117]	107.9 [117.2]
	kgf	SAE	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

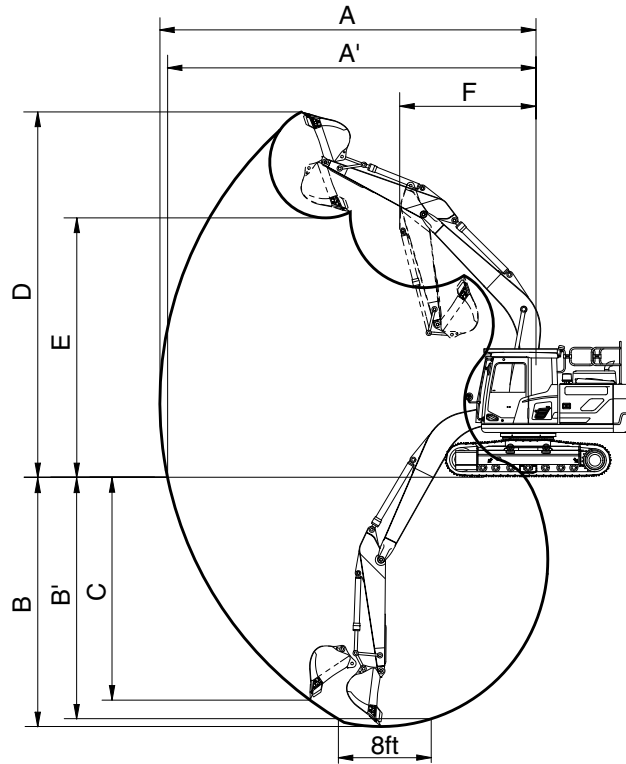


160A2SP11

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

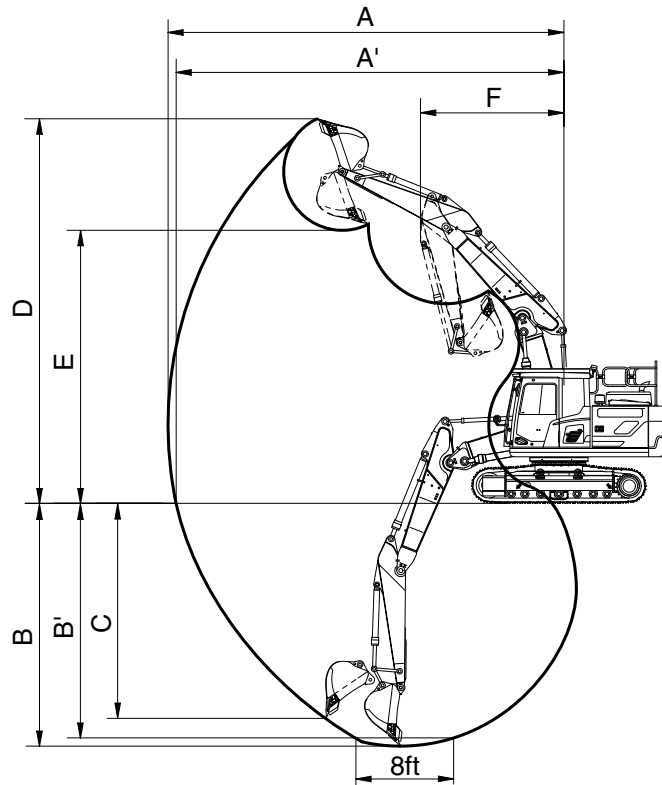


160A2SP10

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		107.9 [117.2]	107.7 [117]	107.9 [117.2]
	kgf	SAE	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		77.3 [83.8]	87.2 [94.6]	69 [74.9]
	kgf	SAE	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 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.

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.

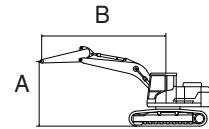
※ Refer to Transportation for actual weight information and Specifications for operating weight.











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

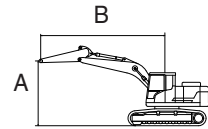
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX160A L	MONO BOOM	5100	2600	2600	600	-	-	-	-	-



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

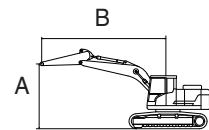
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.















▲ 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	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX160A L	MONO BOOM	5100	3100	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)		7.5 m (24.6 ft)		Capacity		Reach			
																m (ft)	
7.5 m (24.6 ft)	kg																
	lb																
6.0 m (19.7 ft)	kg							*3700	3330					*2430	*2430		6.79
	lb							*8160	7340					*5360	*5360		(22.3)
4.5 m (14.8 ft)	kg							*4020	3260	*2570	2230	*2340	2190				7.56
	lb							*8860	7190	*5670	4920	*5160	4830				(24.8)
3.0 m (9.8 ft)	kg			*7930	*7930	*5540	4810	*4580	3110	3540	2170	*2380	1950				7.97
	lb			*17480	*17480	*12210	10600	*10100	6860	7800	4780	*5250	4300				(26.2)
1.5 m (4.9 ft)	kg			*6760	*6760	*6920	4430	4850	2930	3450	2100	*2530	1860				8.09
	lb			*14900	*14900	*15260	9770	10690	6460	7610	4630	*5580	4100				(26.5)
0.0 m (0.0 ft)	kg			*6160	*6160	7280	4160	4690	2790	3380	2030	*2820	1880				7.91
	lb			*13580	*13580	16050	9170	10340	6150	7450	4480	*6220	4140				(25.9)
-1.5 m (-4.9 ft)	kg	*4790	*4790	*8770	7480	7150	4050	4610	2720					*3360	2040		7.42
	lb	*10560	*10560	*19330	16490	15760	8930	10160	6000					*7410	4500		(24.3)
-3.0 m (-9.8 ft)	kg	*8080	*8080	*10910	7580	7170	4070	4630	2740					4090	2440		6.55
	lb	*17810	*17810	*24050	16710	15810	8970	10210	6040					9020	5380		(21.5)
-4.5 m (-14.8 ft)	kg			*8260	7850	*5640	4230							*4650	3560		5.11
	lb			*18210	17310	*12430	9330							*10250	7850		(16.8)

Note 1. Lifting capacity are based on ISO 10567.

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

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

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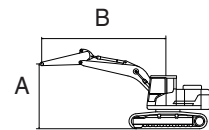
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











▲ 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	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX160A L	MONO BOOM	5100	2200	3250	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 (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)	

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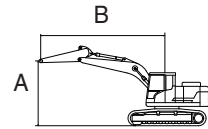
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX160A L	MONO BOOM	5100	2600	3250	600	-	-	-	-	-



: Rating over-front



: Rating over-side or 360 degree



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

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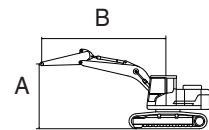
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






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

·  : Rating over-front

·  : Rating over-side or 360 degree



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

Note 1. Lifting capacity are based on ISO 10567.

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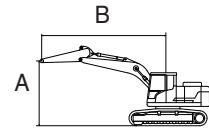
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








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

·  : Rating over-front

·  : Rating over-side or 360 degree



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

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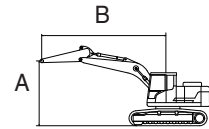
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








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

·  : Rating over-front

·  : Rating over-side or 360 degree



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

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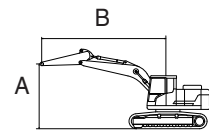
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


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

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach	
											m (ft)	
6.0 m (19.7 ft)	kg									*3850	3530	5.86
	lb									*8490	7780	(19.2)
4.5 m (14.8 ft)	kg				*5320	5270	*4750	3380	*3630	2790	6.74	
	lb				*11730	11620	*10470	7450	*8000	6150	(22.1)	
3.0 m (9.8 ft)	kg				*6540	4940	*5200	3260	*3650	2460	7.20	
	lb				*14420	10890	*11460	7190	*8050	5420	(23.6)	
1.5 m (4.9 ft)	kg				*7690	4630	*5710	3120	*3850	2350	7.33	
	lb				*16950	10210	*12590	6880	*8490	5180	(24.0)	
0.0 m (0.0 ft)	kg				*8180	4460	*5980	3030	*4310	2400	7.13	
	lb				*18030	9830	*13180	6680	*9500	5290	(23.4)	
-1.5 m (-4.9 ft)	kg		*9400	8200	*7910	4430	*5770	3010	*5030	2680	6.58	
	lb		*20720	18080	*17440	9770	*12720	6640	*11090	5910	(21.6)	
-3.0 m (-9.8 ft)	kg		*9400	8370	*6720	4520			*4980	3400	5.58	
	lb		*20720	18450	*14820	9960			*10980	7500	(18.3)	

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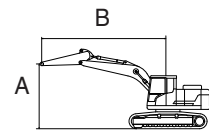
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











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

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach	
											m (ft)	
6.0 m (19.7 ft)	kg									*3850	3530	5.86
	lb									*8490	7780	(19.2)
4.5 m (14.8 ft)	kg				*5320	5270	*4750	3380	*3630	2790	6.74	
	lb				*11730	11620	*10470	7450	*8000	6150	(22.1)	
3.0 m (9.8 ft)	kg				*6540	4940	4950	3260	*3650	2460	7.20	
	lb				*14420	10890	10910	7190	*8050	5420	(23.6)	
1.5 m (4.9 ft)	kg				7430	4630	4790	3120	3570	2350	7.33	
	lb				16380	10210	10560	6880	7870	5180	(24.0)	
0.0 m (0.0 ft)	kg				7240	4460	4690	3030	3670	2400	7.13	
	lb				15960	9830	10340	6680	8090	5290	(23.4)	
-1.5 m (-4.9 ft)	kg		*9400	8200	7200	4430	4670	3010	4110	2680	6.58	
	lb		*20720	18080	15870	9770	10300	6640	9060	5910	(21.6)	
-3.0 m (-9.8 ft)	kg		*9400	8370	*6720	4520			*4980	3400	5.58	
	lb		*20720	18450	*14820	9960			*10980	7500	(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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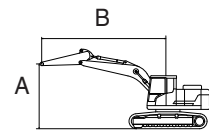
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	2600	600	-	Down	-	-	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		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)		

Note 1. Lifting capacity are based on ISO 10567.

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

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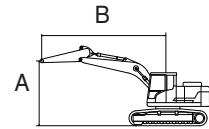
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX160A LD	MONO BOOM	5100	2600	2600	600	-	Up	-	-	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		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)		

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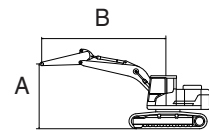
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






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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	2600	600	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		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)		

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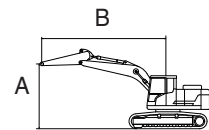
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






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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	2600	600	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		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)		

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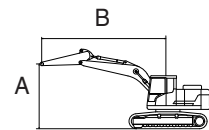
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








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

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach		
	1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
											m (ft)
6.0 m (19.7 ft)	kg								*3850	*3850	5.86
	lb								*8490	*8490	(19.2)
4.5 m (14.8 ft)	kg				*5320	*5320	*4750	3720	*3630	3080	6.74
	lb				*11730	*11730	*10470	8200	*8000	6790	(22.1)
3.0 m (9.8 ft)	kg				*6540	5420	*5200	3600	*3650	2730	7.20
	lb				*14420	11950	*11460	7940	*8050	6020	(23.6)
1.5 m (4.9 ft)	kg				*7690	5110	*5710	3460	*3850	2610	7.33
	lb				*16950	11270	*12590	7630	*8490	5750	(24.0)
0.0 m (0.0 ft)	kg				*8180	4950	*5980	3360	*4310	2680	7.13
	lb				*18030	10910	*13180	7410	*9500	5910	(23.4)
-1.5 m (-4.9 ft)	kg		*9400	9060	*7910	4920	*5770	3340	*5030	2980	6.58
	lb		*20720	19970	*17440	10850	*12720	7360	*11090	6570	(21.6)
-3.0 m (-9.8 ft)	kg		*9400	9230	*6720	5000			*4980	3770	5.58
	lb		*20720	20350	*14820	11020			*10980	8310	(18.3)

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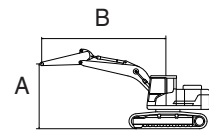
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








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

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach	
											m (ft)	
6.0 m (19.7 ft)	kg									*3850	*3850	5.86
	lb									*8490	*8490	(19.2)
4.5 m (14.8 ft)	kg				*5320	*5320	*4750	3720	*3630	3080	6.74	
	lb				*11730	*11730	*10470	8200	*8000	6790	(22.1)	
3.0 m (9.8 ft)	kg				*6540	5420	*5200	3600	*3650	2730	7.20	
	lb				*14420	11950	*11460	7940	*8050	6020	(23.6)	
1.5 m (4.9 ft)	kg				*7690	5110	5230	3460	*3850	2610	7.33	
	lb				*16950	11270	11530	7630	*8490	5750	(24.0)	
0.0 m (0.0 ft)	kg				7890	4950	5120	3360	4010	2680	7.13	
	lb				17390	10910	11290	7410	8840	5910	(23.4)	
-1.5 m (-4.9 ft)	kg		*9400	9060	7860	4920	5100	3340	4490	2980	6.58	
	lb		*20720	19970	17330	10850	11240	7360	9900	6570	(21.6)	
-3.0 m (-9.8 ft)	kg		*9400	9230	*6720	5000			*4980	3770	5.58	
	lb		*20720	20350	*14820	11020			*10980	8310	(18.3)	

Note 1. Lifting capacity are based on ISO 10567.

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- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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

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▲ 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.

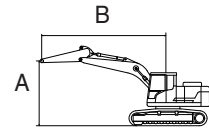
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	3250	600	-	Down	-	-	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		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)		

Note 1. Lifting capacity are based on ISO 10567.

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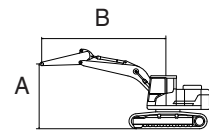
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX160A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	3250	600	-	Up	-	-	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		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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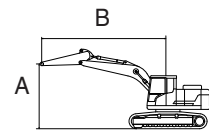
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






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

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		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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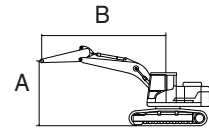
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






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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	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		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)

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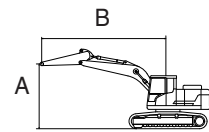
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








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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX160A LD	2-PIECE BOOM	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									*4850	*4850	4.43
	lb									*10690	*10690	(14.5)
6.0 m (19.7 ft)	kg		*4510	*4510						*3970	3760	5.95
	lb		*9940	*9940						*8750	8290	(19.5)
4.5 m (14.8 ft)	kg		*5110	*5110	*4560	3710				*3670	3000	6.82
	lb		*11270	*11270	*10050	8180				*8090	6610	(22.4)
3.0 m (9.8 ft)	kg		*6280	5410	*5010	3580				*3620	2670	7.28
	lb		*13850	11930	*11050	7890				*7980	5890	(23.9)
1.5 m (4.9 ft)	kg		*7440	5080	*5530	3430				*3750	2550	7.40
	lb		*16400	11200	*12190	7560				*8270	5620	(24.3)
0.0 m (0.0 ft)	kg		*8020	4910	*5870	3330				*4090	2620	7.20
	lb		*17680	10820	*12940	7340				*9020	5780	(23.6)
-1.5 m (-4.9 ft)	kg	*8360	*8360	*7890	4880	*5760	3320			*4780	2920	6.66
	lb	*18430	*18430	*17390	10760	*12700	7320			*10540	6440	(21.9)

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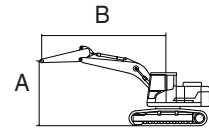
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








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

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

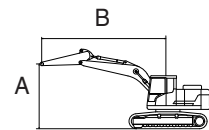
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











▲ 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	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX160A LD	2-PIECE BOOM	5097	2600	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		*4310	*4310					*3570	*3570	5.00
	lb		*9500	*9500					*7870	*7870	(16.4)
6.0 m (19.7 ft)	kg				*4130	3800			*3050	*3050	6.39
	lb				*9110	8380			*6720	*6720	(21.0)
4.5 m (14.8 ft)	kg		*4680	*4680	*4250	3750			*2870	2770	7.20
	lb		*10320	*10320	*9370	8270			*6330	6110	(23.6)
3.0 m (9.8 ft)	kg		*5870	5480	*4750	3600	*3660	2550	*2850	2480	7.63
	lb		*12940	12080	*10470	7940	*8070	5620	*6280	5470	(25.0)
1.5 m (4.9 ft)	kg		*7130	5110	*5330	3430	*4480	2490	*2970	2370	7.75
	lb		*15720	11270	*11750	7560	*9880	5490	*6550	5220	(25.4)
0.0 m (0.0 ft)	kg		*7880	4900	*5760	3320	*3840	2450	*3250	2420	7.56
	lb		*17370	10800	*12700	7320	*8470	5400	*7170	5340	(24.8)
-1.5 m (-4.9 ft)	kg	*8290	*8290	*7950	4830	*5810	3270		*3800	2670	7.05
	lb	*18280	*18280	*17530	10650	*12810	7210		*8380	5890	(23.1)
-3.0 m (-9.8 ft)	kg		*7200	4900							
	lb		*15870	10800							

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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

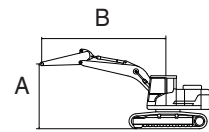
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.












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

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												
7.5 m (24.6 ft)	kg 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							

Note 1. Lifting capacity are based on ISO 10567.

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

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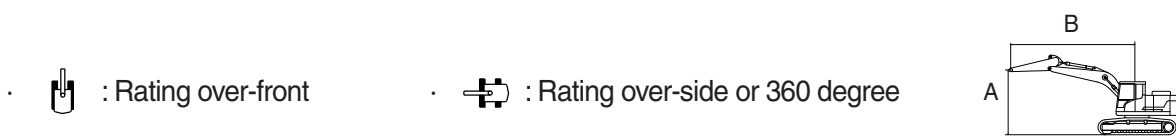
Lifting capacities will vary with different work tools, ground conditions and attachments.











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	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX180A L	MONO BOOM	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								*3850	*3850	5.86
	lb								*8490	*8490	(19.2)
4.5 m (14.8 ft)	kg				*5320	*5320	*4750	3880	*3630	3210	6.74
	lb				*11730	*11730	*10470	8550	*8000	7080	(22.1)
3.0 m (9.8 ft)	kg				*6540	5720	*5200	3750	*3650	2840	7.20
	lb				*14420	12610	*11460	8270	*8050	6260	(23.6)
1.5 m (4.9 ft)	kg				*7690	5400	5530	3610	*3850	2720	7.33
	lb				*16950	11900	12190	7960	*8490	6000	(24.0)
0.0 m (0.0 ft)	kg				*8180	5230	5420	3510	4230	2780	7.13
	lb				*18030	11530	11950	7740	9330	6130	(23.4)
-1.5 m (-4.9 ft)	kg		*9400	*9400	*7910	5200	5390	3490	4740	3100	6.58
	lb		*20720	*20720	*17440	11460	11880	7690	10450	6830	(21.6)
-3.0 m (-9.8 ft)	kg		*9400	*9400	*6720	5290			*4980	3940	5.58
	lb		*20720	*20720	*14820	11660			*10980	8690	(18.3)

- Note
- Lifting capacity are based on ISO 10567.
 - Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
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Lifting capacities will vary with different work tools, ground conditions and attachments.

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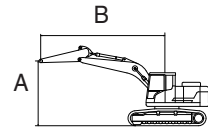
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX180A L	MONO BOOM	5100	2600	2900	600	-	-	-	-	-



: Rating over-front



: Rating over-side or 360 degree



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

Note 1. Lifting capacity are based on ISO 10567.

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

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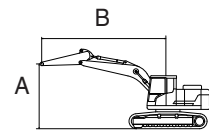
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






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

·  : Rating over-front

·  : Rating over-side or 360 degree



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

Note 1. Lifting capacity are based on ISO 10567.

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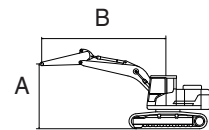
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








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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX180A L	MONO BOOM	5100	2200	3250	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 (19.7 ft)	kg									*3850	*3850	5.86
	lb									*8490	*8490	(19.2)
4.5 m (14.8 ft)	kg				*5320	*5320	*4750	4070	*3630	3370	6.74	
	lb				*11730	*11730	*10470	8970	*8000	7430	(22.1)	
3.0 m (9.8 ft)	kg				*6540	6010	*5200	3950	*3650	2990	7.20	
	lb				*14420	13250	*11460	8710	*8050	6590	(23.6)	
1.5 m (4.9 ft)	kg				*7690	5680	*5710	3800	*3850	2870	7.33	
	lb				*16950	12520	*12590	8380	*8490	6330	(24.0)	
0.0 m (0.0 ft)	kg				*8180	5510	5660	3710	*4310	2940	7.13	
	lb				*18030	12150	12480	8180	*9500	6480	(23.4)	
-1.5 m (-4.9 ft)	kg		*9400	*9400	*7910	5480	5640	3680	4950	3270	6.58	
	lb		*20720	*20720	*17440	12080	12430	8110	10910	7210	(21.6)	
-3.0 m (-9.8 ft)	kg		*9400	*9400	*6720	5570			*4980	4160	5.58	
	lb		*20720	*20720	*14820	12280			*10980	9170	(18.3)	

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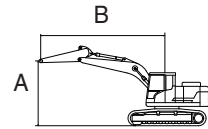
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX180A L	MONO BOOM	5100	2600	3250	600	-	-	-	-	-



: Rating over-front



: Rating over-side or 360 degree



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

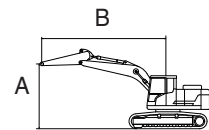
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






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

·  : Rating over-front

·  : Rating over-side or 360 degree



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

Note 1. Lifting capacity are based on ISO 10567.

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

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

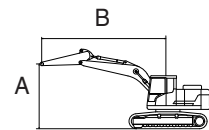
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








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

·  : Rating over-front

·  : Rating over-side or 360 degree



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

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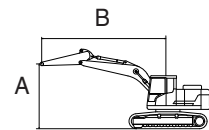
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








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

·  : Rating over-front

·  : Rating over-side or 360 degree



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

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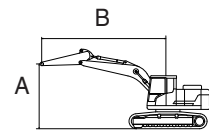
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


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

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach	
											m (ft)	
6.0 m (19.7 ft)	kg									*3850	*3850	5.86
	lb									*8490	*8490	(19.2)
4.5 m (14.8 ft)	kg				*5320	*5320	*4750	4090	*3630	3390	6.74	
	lb				*11730	*11730	*10470	9020	*8000	7470	(22.1)	
3.0 m (9.8 ft)	kg				*6540	6030	*5200	3960	*3650	3010	7.20	
	lb				*14420	13290	*11460	8730	*8050	6640	(23.6)	
1.5 m (4.9 ft)	kg				*7690	5700	*5710	3820	*3850	2880	7.33	
	lb				*16950	12570	*12590	8420	*8490	6350	(24.0)	
0.0 m (0.0 ft)	kg				*8180	5530	*5980	3720	*4310	2950	7.13	
	lb				*18030	12190	*13180	8200	*9500	6500	(23.4)	
-1.5 m (-4.9 ft)	kg		*9400	*9400	*7910	5500	*5770	3700	*5030	3290	6.58	
	lb		*20720	*20720	*17440	12130	*12720	8160	*11090	7250	(21.6)	
-3.0 m (-9.8 ft)	kg		*9400	*9400	*6720	5590			*4980	4170	5.58	
	lb		*20720	*20720	*14820	12320			*10980	9190	(18.3)	

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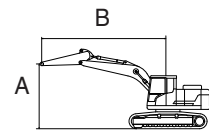
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


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

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach	
											m (ft)	
6.0 m (19.7 ft)	kg									*3850	*3850	5.86
	lb									*8490	*8490	(19.2)
4.5 m (14.8 ft)	kg				*5320	*5320	*4750	4090	*3630	3390	6.74	
	lb				*11730	*11730	*10470	9020	*8000	7470	(22.1)	
3.0 m (9.8 ft)	kg				*6540	6030	*5200	3960	*3650	3010	7.20	
	lb				*14420	13290	*11460	8730	*8050	6640	(23.6)	
1.5 m (4.9 ft)	kg				*7690	5700	5470	3820	*3850	2880	7.33	
	lb				*16950	12570	12060	8420	*8490	6350	(24.0)	
0.0 m (0.0 ft)	kg				*8180	5530	5370	3720	4190	2950	7.13	
	lb				*18030	12190	11840	8200	9240	6500	(23.4)	
-1.5 m (-4.9 ft)	kg		*9400	*9400	*7910	5500	5340	3700	4690	3290	6.58	
	lb		*20720	*20720	*17440	12130	11770	8160	10340	7250	(21.6)	
-3.0 m (-9.8 ft)	kg		*9400	*9400	*6720	5590			*4980	4170	5.58	
	lb		*20720	*20720	*14820	12320			*10980	9190	(18.3)	

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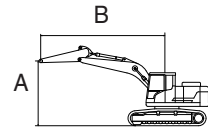
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	2900	600	-	Down	-	-	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		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)		

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.

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

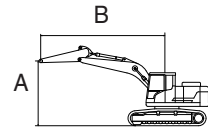
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	2900	600	-	Up	-	-	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		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)		

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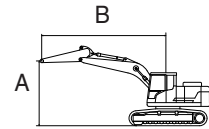
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






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

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		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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3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

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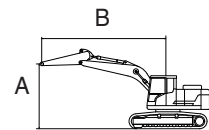
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






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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	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		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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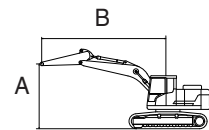
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX180A LD	MONO BOOM	5100	2200	3250	600	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach	
											m (ft)	
6.0 m (19.7 ft)	kg									*3850	*3850	5.86
	lb									*8490	*8490	(19.2)
4.5 m (14.8 ft)	kg				*5320	*5320	*4750	4280	*3630	3560	6.74	
	lb				*11730	*11730	*10470	9440	*8000	7850	(22.1)	
3.0 m (9.8 ft)	kg				*6540	6310	*5200	4150	*3650	3160	7.20	
	lb				*14420	13910	*11460	9150	*8050	6970	(23.6)	
1.5 m (4.9 ft)	kg				*7690	5990	*5710	4010	*3850	3030	7.33	
	lb				*16950	13210	*12590	8840	*8490	6680	(24.0)	
0.0 m (0.0 ft)	kg				*8180	5810	*5980	3910	*4310	3110	7.13	
	lb				*18030	12810	*13180	8620	*9500	6860	(23.4)	
-1.5 m (-4.9 ft)	kg		*9400	*9400	*7910	5780	*5770	3890	*5030	3460	6.58	
	lb		*20720	*20720	*17440	12740	*12720	8580	*11090	7630	(21.6)	
-3.0 m (-9.8 ft)	kg		*9400	*9400	*6720	5870			*4980	4390	5.58	
	lb		*20720	*20720	*14820	12940			*10980	9680	(18.3)	

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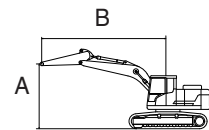
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


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

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								At max. reach		
	1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
											m (ft)
6.0 m (19.7 ft)	kg								*3850	*3850	5.86
	lb								*8490	*8490	(19.2)
4.5 m (14.8 ft)	kg				*5320	*5320	*4750	4280	*3630	3560	6.74
	lb				*11730	*11730	*10470	9440	*8000	7850	(22.1)
3.0 m (9.8 ft)	kg				*6540	6310	*5200	4150	*3650	3160	7.20
	lb				*14420	13910	*11460	9150	*8050	6970	(23.6)
1.5 m (4.9 ft)	kg				*7690	5990	*5710	4010	*3850	3030	7.33
	lb				*16950	13210	*12590	8840	*8490	6680	(24.0)
0.0 m (0.0 ft)	kg				*8180	5810	5610	3910	*4310	3110	7.13
	lb				*18030	12810	12370	8620	*9500	6860	(23.4)
-1.5 m (-4.9 ft)	kg		*9400	*9400	*7910	5780	5590	3890	4910	3460	6.58
	lb		*20720	*20720	*17440	12740	12320	8580	10820	7630	(21.6)
-3.0 m (-9.8 ft)	kg		*9400	*9400	*6720	5870			*4980	4390	5.58
	lb		*20720	*20720	*14820	12940			*10980	9680	(18.3)

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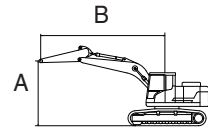
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX180A LD	MONO BOOM	5100	2600	3250	600	-	Down	-	-	-



: Rating over-front



: Rating over-side or 360 degree



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

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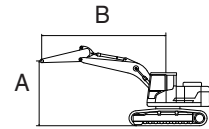
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX180A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5100	2600	3250	600	-	Up	-	-	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		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)		

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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

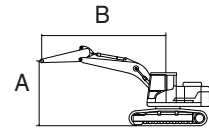
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








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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	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		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.

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

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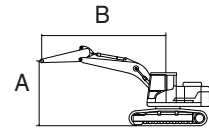
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






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

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach				
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		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.

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

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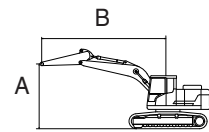
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX180A LD	2-PIECE BOOM	5097	2200	3250	600	-	Down	-	-	-

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

Note 1. Lifting capacity are based on ISO 10567.

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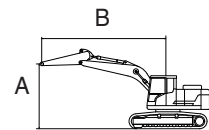
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








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

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

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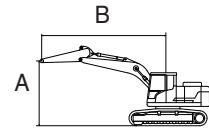
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








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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX180A LD	2-PIECE BOOM	5097	2600	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		*4310	*4310					*3570	*3570	5.00
	lb		*9500	*9500					*7870	*7870	(16.4)
6.0 m (19.7 ft)	kg				*4130	*4130			*3050	*3050	6.39
	lb				*9110	*9110			*6720	*6720	(21.0)
4.5 m (14.8 ft)	kg		*4680	*4680	*4250	*4250			*2870	*2870	7.20
	lb		*10320	*10320	*9370	*9370			*6330	*6330	(23.6)
3.0 m (9.8 ft)	kg		*5870	*5870	*4750	4170	*3660	2970	*2850	*2850	7.63
	lb		*12940	*12940	*10470	9190	*8070	6550	*6280	*6280	(25.0)
1.5 m (4.9 ft)	kg		*7130	6000	*5330	4000	*4480	2900	*2970	2770	7.75
	lb		*15720	13230	*11750	8820	*9880	6390	*6550	6110	(25.4)
0.0 m (0.0 ft)	kg		*7880	5780	*5760	3880	*3840	2860	*3250	2830	7.56
	lb		*17370	12740	*12700	8550	*8470	6310	*7170	6240	(24.8)
-1.5 m (-4.9 ft)	kg	*8290	*8290	*7950	5710	*5810	3830		*3800	3110	7.05
	lb	*18280	*18280	*17530	12590	*12810	8440		*8380	6860	(23.1)
-3.0 m (-9.8 ft)	kg		*7200	5780							
	lb		*15870	12740							

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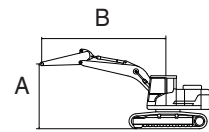
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX180A LD	2-PIECE BOOM	5097	2600	3250	600	-	Up	-	-	-

·  : 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		*4310	*4310					*3570	*3570	5.00
	lb		*9500	*9500					*7870	*7870	(16.4)
6.0 m (19.7 ft)	kg				*4130	*4130			*3050	*3050	6.39
	lb				*9110	*9110			*6720	*6720	(21.0)
4.5 m (14.8 ft)	kg		*4680	*4680	*4250	*4250			*2870	*2870	7.20
	lb		*10320	*10320	*9370	*9370			*6330	*6330	(23.6)
3.0 m (9.8 ft)	kg		*5870	*5870	*4750	4170	*3660	2970	*2850	*2850	7.63
	lb		*12940	*12940	*10470	9190	*8070	6550	*6280	*6280	(25.0)
1.5 m (4.9 ft)	kg		*7130	6000	*5330	4000	4110	2900	*2970	2770	7.75
	lb		*15720	13230	*11750	8820	9060	6390	*6550	6110	(25.4)
0.0 m (0.0 ft)	kg		*7880	5780	5610	3880	*3840	2860	*3250	2830	7.56
	lb		*17370	12740	12370	8550	*8470	6310	*7170	6240	(24.8)
-1.5 m (-4.9 ft)	kg	*8290	*8290	*7950	5710	5560	3830		*3800	3110	7.05
	lb	*18280	*18280	*17530	12590	12260	8440		*8380	6860	(23.1)
-3.0 m (-9.8 ft)	kg		*7200	5780							
	lb		*15870	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				
	m ³ (yd ³)	m ³ (yd ³)	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				
	m ³ (yd ³)	m ³ (yd ³)	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				
	m ³ (yd ³)	m ³ (yd ³)	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				
	m ³ (yd ³)	m ³ (yd ³)	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.

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

8. SPECIFICATIONS FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Maker / Model	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/cm ² (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/cm ² (317 psi)
	Full stroke	36.6 kgf/cm ² (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	Ø115 × 1090 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Stroke	Ø120 × 1355 mm
	Cushion	Extend and retract
Arm cylinder (2-piece boom)	Bore dia × Stroke	Ø160×650 mm
	Cushion	Extend and retract
Adjust cylinder (2-piece boom)	Bore dia × Stroke	Ø110×995 mm
	Cushion	Extend only
Bucket cylinder	Bore dia × Stroke	Ø110 × 995 mm
	Cushion	Extend only
Bucket cylinder (long reach)	Bore dia × Stroke	Ø110 × 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.