

SECTION 1 GENERAL



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SECTION 1 GENERAL

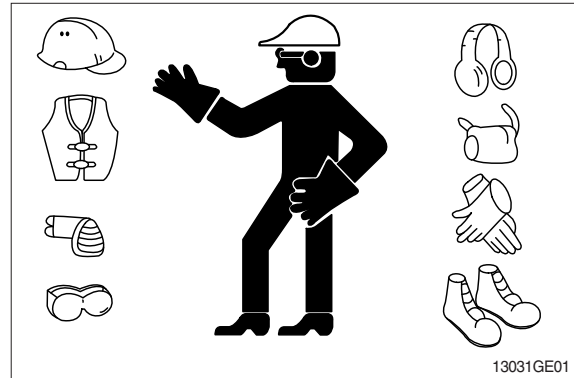
GROUP 1 SAFETY

FOLLOW SAFE PROCEDURE

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

WEAR PROTECTIVE CLOTHING

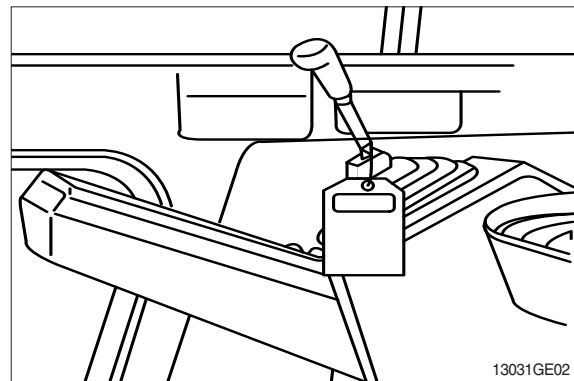
Wear close fitting clothing and safety equipment appropriate to the job.



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.



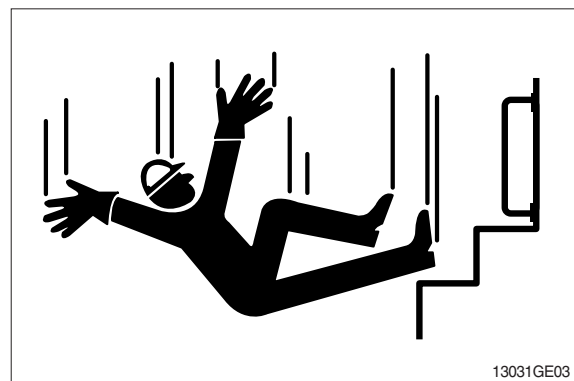
USE HANDHOLDS AND STEPS

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.

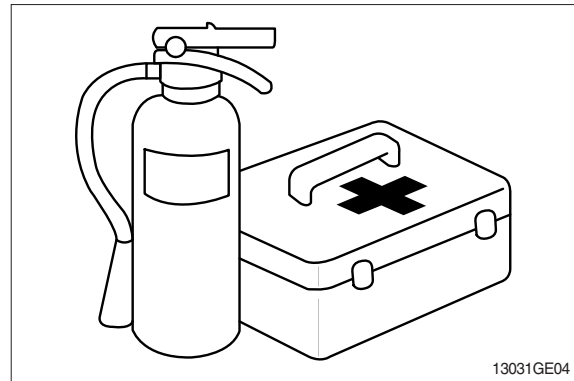


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

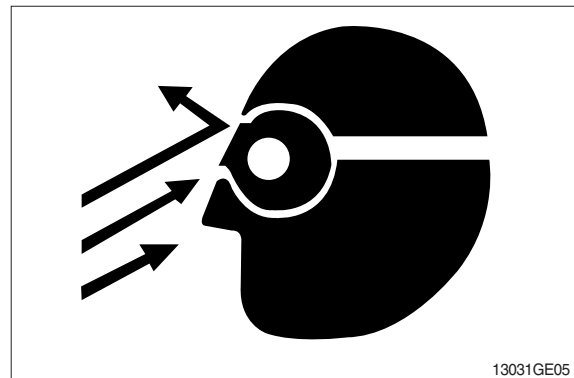
Keep a first aid kit and fire extinguisher handy.

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



PROTECT AGAINST FLYING DEBRIS

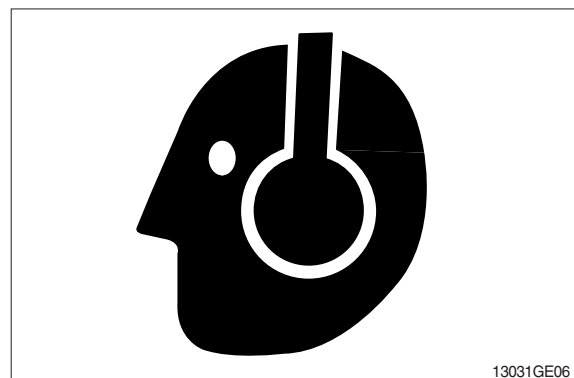
Guard against injury from flying pieces of metal or debris; Wear goggles or safety glasses.



PROTECT AGAINST NOISE

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

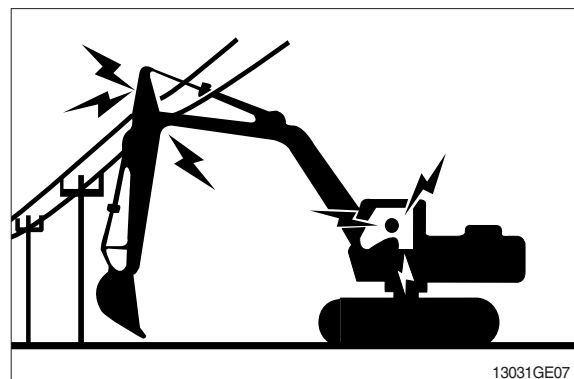
Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



AVOID POWER LINES

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

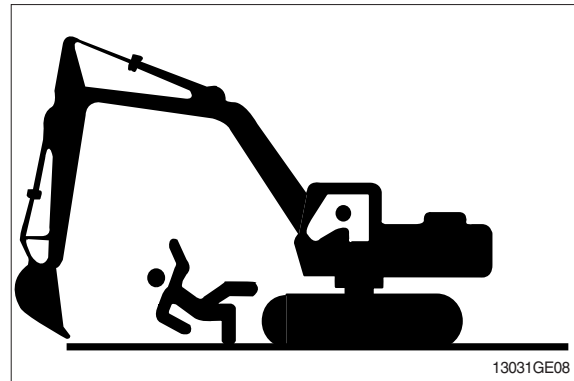
Never move any part of the machine or load closer to electric line than 3m(10ft) plus twice the line insulator length.



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.

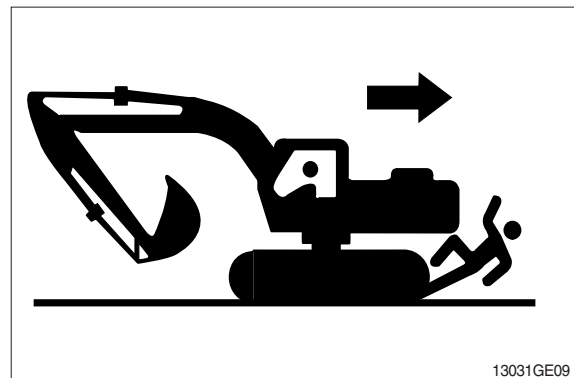


MOVE AND OPERATE MACHINE SAFELY

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:

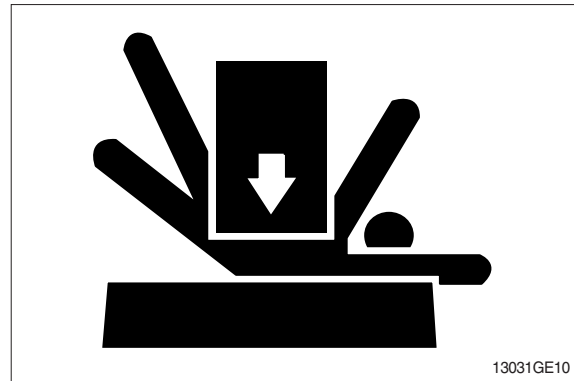
- Park machine on a level surface.
- Lower bucket to the ground.
- Turn auto idle switch off.
- Run engine at low idle speed without load for 5 minutes.
- Turn key switch to OFF to stop engine. Remove key from switch.
- Place safety lever to locked position.
- Allow engine to cool.

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.

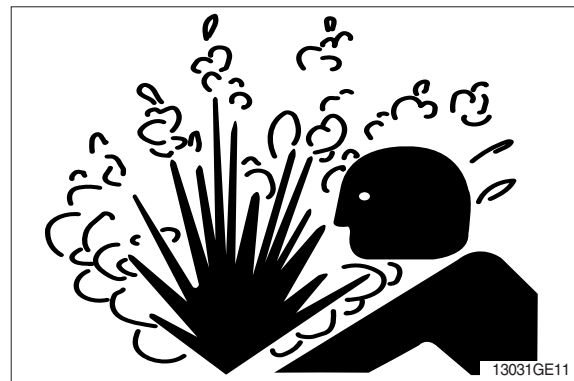
Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.



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

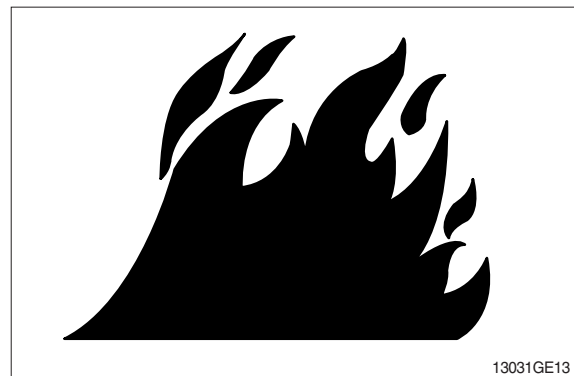
Handle fuel with care; It is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks. Always stop engine before refueling machine. Fill fuel tank outdoors.



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.

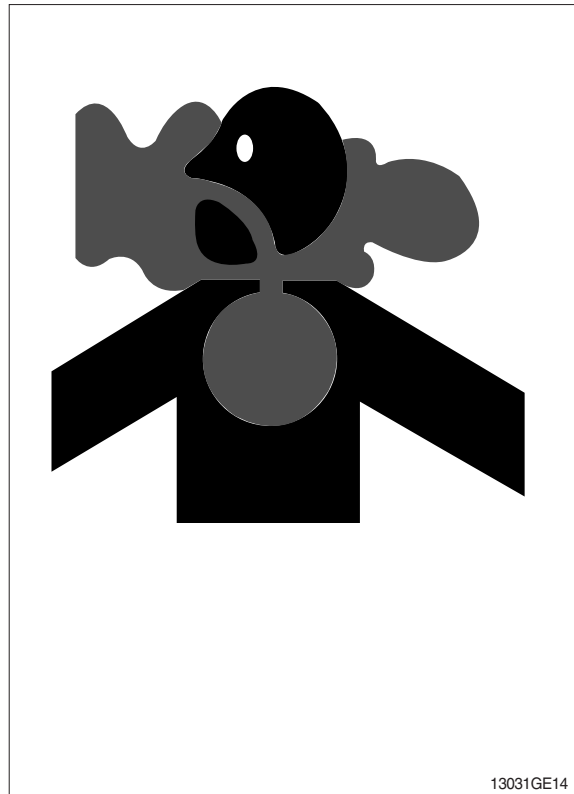
Do all work outside or in a well ventilated area. Dispose of paint and solvent properly.

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

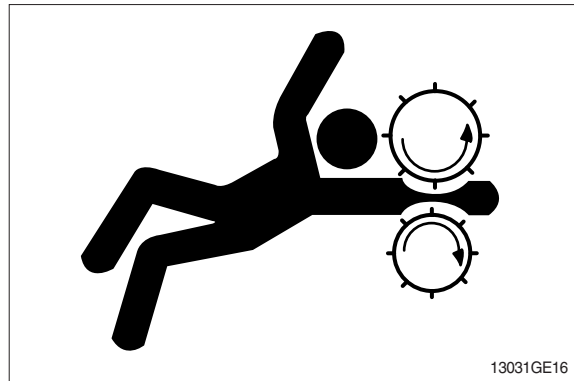
Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.



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.

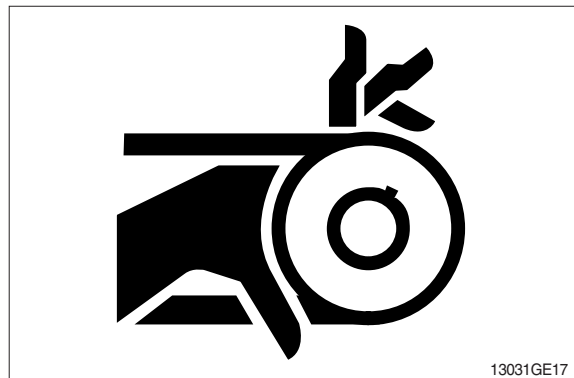
Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



STAY CLEAR OF MOVING PARTS

Entanglements in moving parts can cause serious injury.

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



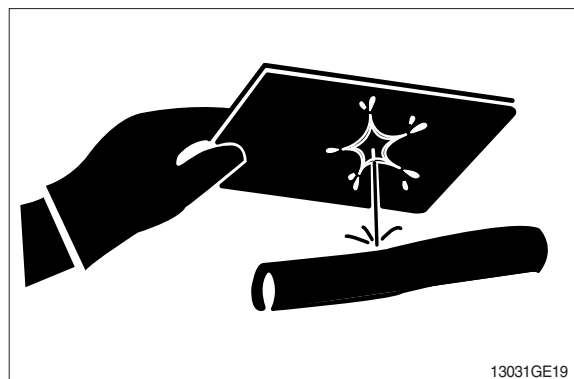
AVOID HIGH PRESSURE FLUIDS

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:

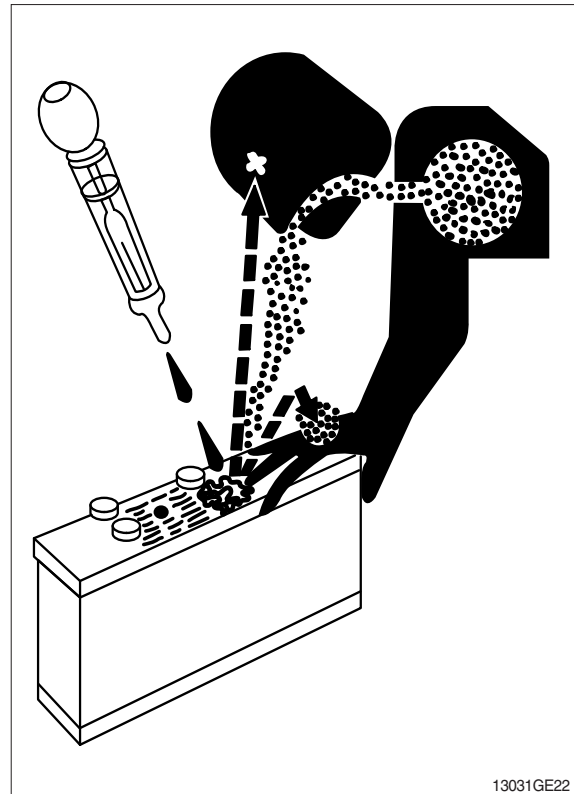
1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.
5. Use proper jump start procedure.

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.



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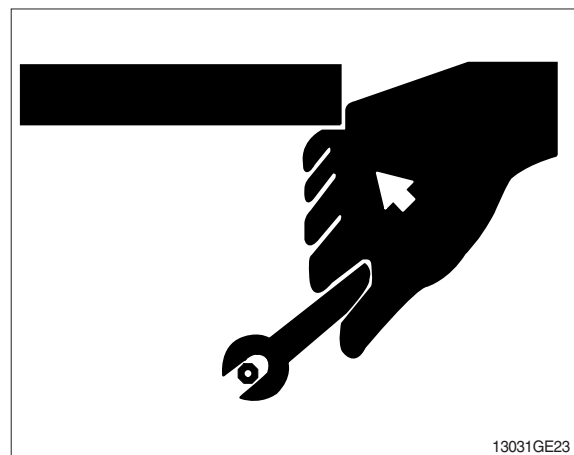
USE TOOLS PROPERLY

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.)



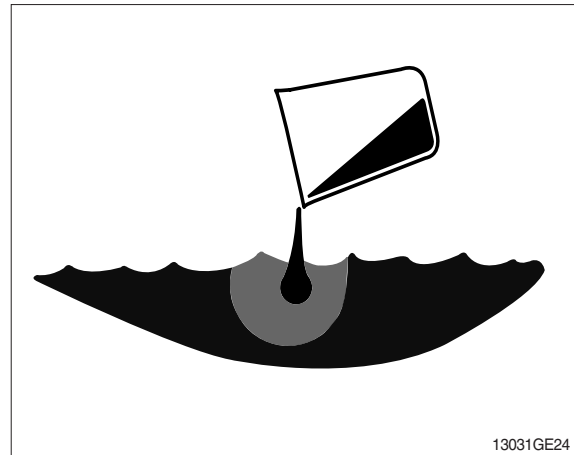
13031GE23

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.

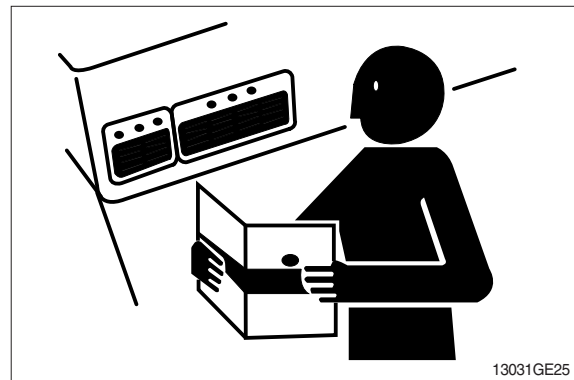
Use proper containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

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.

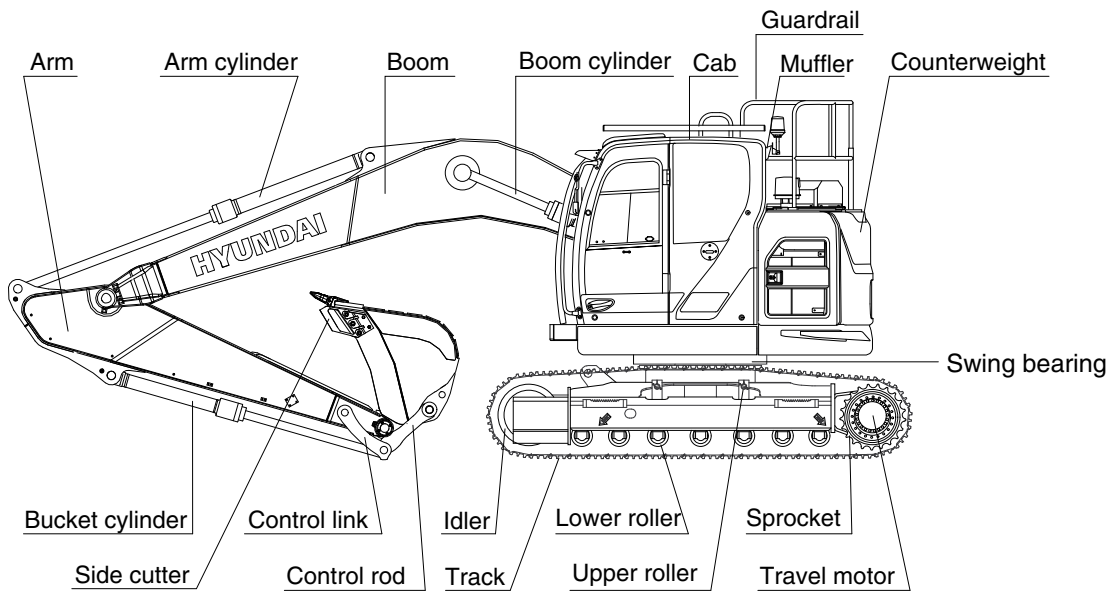
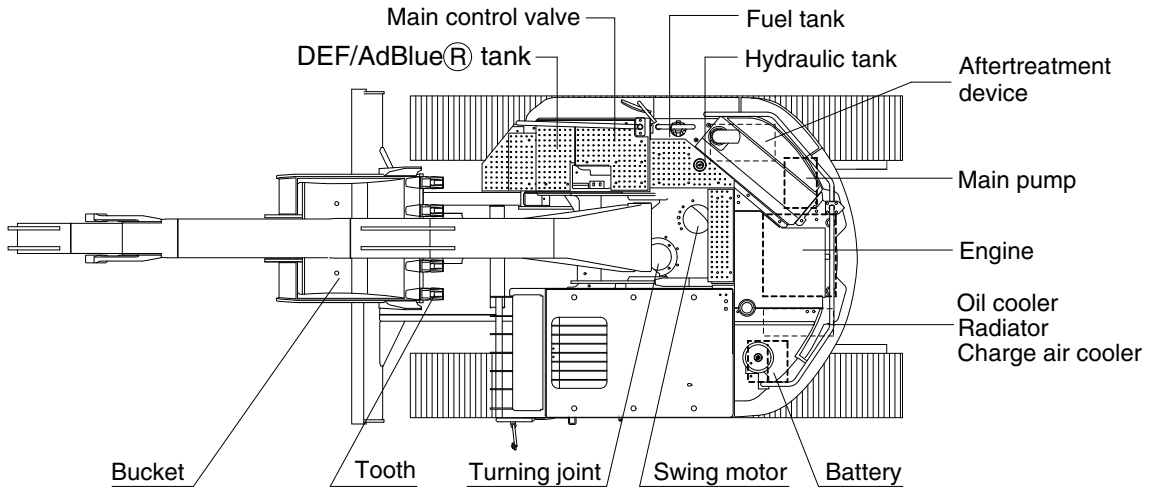


LIVE WITH SAFETY

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

GROUP 2 SPECIFICATIONS

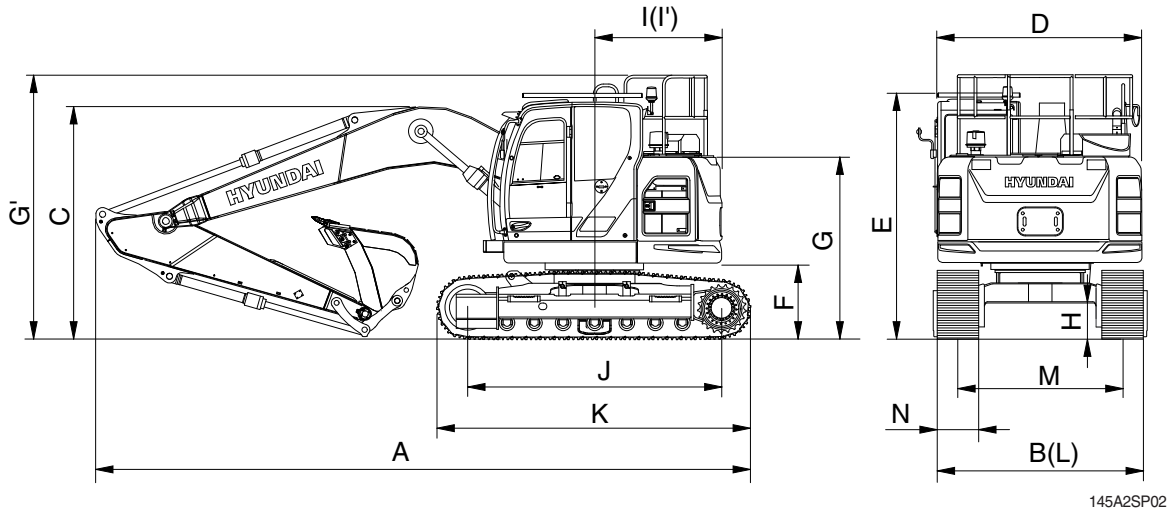
1. MAJOR COMPONENT



145A2SP01

2. SPECIFICATIONS

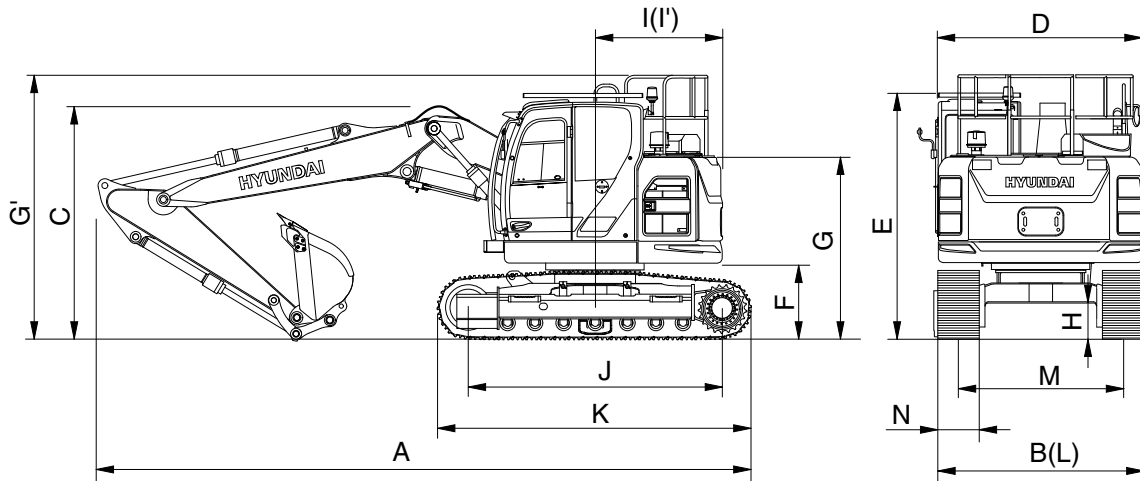
1) HX145A LCR, MONO BOOM



145A2SP02

Description	Unit		Specification			
	m (ft-in)	Boom	4.6 (15' 1")		4.6 (15' 1")	
		Arm	2.5 (8' 2")	2.1 (6' 11")	3.0 (9' 10")	1.9 (6' 3")
mm (in)	Shoe	600 (24)				
Operating weight	kg (lb)	15430 (34020)	15365 (33870)	15430 (34020)	15295 (33720)	
Overall length	A	6965 (22' 10")	6990 (22' 11")	6885 (22' 7")	6490 (21' 4")	
Overall width	B	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	
Overall width with add footboard	B'	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	
Overall height of boom	C	2925 (9' 7")	2895 (9' 6")	3260 (10' 8")	3005 (9' 10")	
Overall width of upper structure	D	2484 (8' 2")	2484 (8' 2")	2484 (8' 2")	2484 (8' 2")	
Overall height of cab	E	2835 (9' 4")	2835 (9' 4")	2835 (9' 4")	2835 (9' 4")	
Ground clearance of counterweight	F	918 (3' 0")	918 (3' 0")	918 (3' 0")	918 (3' 0")	
Overall height of engine hood	G	2485 (8' 2")	2485 (8' 2")	2485 (8' 2")	2485 (8' 2")	
Overall height of handrail	G'	3105 (10' 2")	3105 (10' 2")	3105 (10' 2")	3105 (10' 2")	
Minimum ground clearance	H	429 (1' 5")	429 (1' 5")	429 (1' 5")	429 (1' 5")	
Rear-end distance	I	1530 (5' 0")	1530 (5' 0")	1530 (5' 0")	1530 (5' 0")	
Rear-end swing radius	I'	1530 (5' 0")	1530 (5' 0")	1530 (5' 0")	1530 (5' 0")	
Distance between tumblers	J	3090 (10' 2")	3090 (10' 2")	3090 (10' 2")	3090 (10' 2")	
Undercarriage length (without grouser)	K	3786 (12' 5")	3786 (12' 5")	3786 (12' 5")	3786 (12' 5")	
Undercarriage length (with grouser)	K	3836 (12' 7")	3836 (12' 7")	3836 (12' 7")	3836 (12' 7")	
Undercarriage width	L	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	
Undercarriage width with add footboard	L	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	
Track gauge	M	1990 (6' 6")	1990 (6' 6")	1990 (6' 6")	1990 (6' 6")	
Track shoe width, standard	N	600 (2' 0")	600 (2' 0")	600 (2' 0")	600 (2' 0")	
Track shoe link quantity	EA	47	47	47	47	
Travel speed (low/high)	km/hr (mph)	3.3/5.6 (2.1/3.5)	3.3/5.6 (2.1/3.5)	3.3/5.6 (2.1/3.5)	3.3/5.6 (2.1/3.5)	
Swing speed	rpm	11.4	11.4	11.4	11.4	
Gradeability	Degree (%)	35 (70)	35 (70)	35 (70)	35 (70)	
Ground pressure	kgf/cm ² (psi)	0.39 (5.48)	0.38 (5.46)	0.39 (5.48)	0.38 (5.43)	
Max traction force	kg (lb)	12672 (27940)	12672 (27940)	12672 (27940)	12672 (27940)	

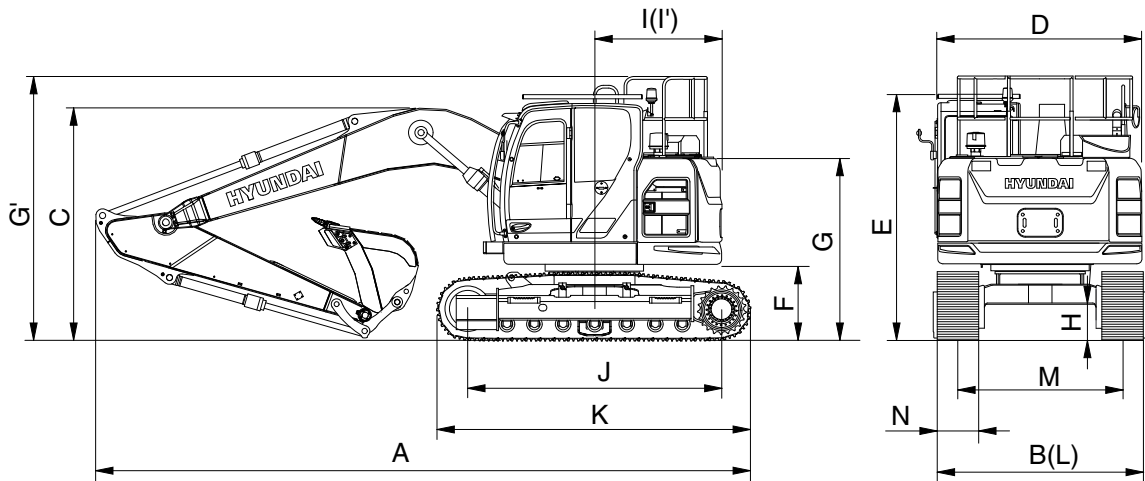
2) HX145A LCR, 2-PIECE BOOM



145A2SP03

Description	Unit		Specification	
	m (ft-in)	Boom	4.9 (16' 1")	
		Arm	2.5 (8' 2")	2.1 (6' 11")
	mm (in)	Shoe	600 (24)	
Operating weight		kg (lb)	15845 (34930)	15780 (34790)
Overall length	A	mm (ft-in)	7290 (23' 11")	7310 (24' 0")
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		2670 (8' 9")	2660 (8' 9")
Overall width of upper structure	D		2484 (8' 2")	2484 (8' 2")
Overall height of cab	E		2835 (9' 4")	2835 (9' 4")
Ground clearance of counterweight	F		918 (3' 0")	918 (3' 0")
Overall height of engine hood	G		2485 (8' 2")	2485 (8' 2")
Overall height of handrail	G'		3105 (10' 2")	3105 (10' 2")
Minimum ground clearance	H		429 (1' 5")	429 (1' 5")
Rear-end distance	I		1530 (5' 0")	1530 (5' 0")
Rear-end swing radius	I'		1530 (5' 0")	1530 (5' 0")
Distance between tumblers	J		3090 (10' 2")	3090 (10' 2")
Undercarriage length (without grouser)	K		3786 (12' 5")	3786 (12' 5")
Undercarriage length (with grouser)	K'		3836 (12' 7")	3836 (12' 7")
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")
Track shoe link quantity			EA	43
Travel speed (low/high)		km/hr (mph)	3.3/5.6 (2.1/3.5)	3.3/5.6 (2.1/3.5)
Swing speed		rpm	11.4	11.4
Gradeability		Degree (%)	35 (70)	35 (70)
Ground pressure		kgf/cm ² (psi)	0.40 (5.63)	0.39 (5.6)
Max traction force		kg (lb)	12672 (27940)	12672 (27940)

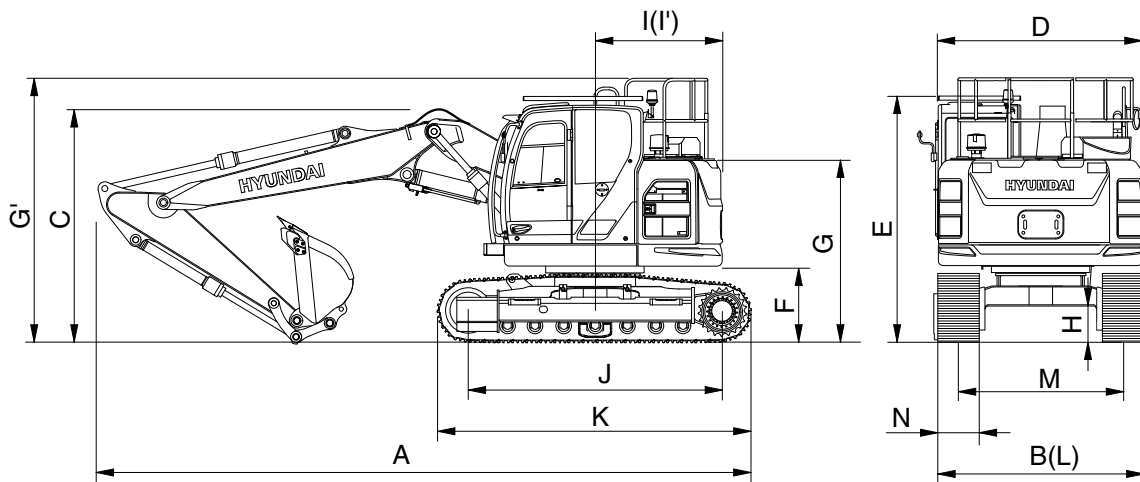
3) HX145A HW, MONO BOOM



145A2SP02

Description	Unit		Specification			
	m (ft-in)	Boom	4.6 (15' 1")			4.1 (13' 5")
		Arm	2.5 (8' 2")	2.1 (6' 11")	3.0 (9' 10")	1.9 (6' 3")
mm (in)	Shoe	800 (32)				
Operating weight	kg (lb)		18120 (39950)	18055 (39800)	18165 (40050)	17980 (39640)
Overall length	A	mm (ft-in)	6965 (22' 10")	6990 (22' 11")	6885 (22' 7")	6490 (21' 4")
Overall width	B		2840 (9' 4")	2840 (9' 4")	2840 (9' 4")	2840 (9' 4")
Overall width with add footboard	B'		2840 (9' 4")	2840 (9' 4")	2840 (9' 4")	2840 (9' 4")
Overall height of boom	C		2930 (9' 7")	2940 (9' 8")	3275 (10' 9")	3055 (10' 0")
Overall width of upper structure	D		2484 (8' 2")	2484 (8' 2")	2484 (8' 2")	2484 (8' 2")
Overall height of cab	E		3155 (10' 4")	3155 (10' 4")	3155 (10' 4")	3155 (10' 4")
Ground clearance of counterweight	F		1193 (3' 11")	1193 (3' 11")	1193 (3' 11")	1193 (3' 11")
Overall height of engine hood	G		2760 (9' 1")	2760 (9' 1")	2760 (9' 1")	2760 (9' 1")
Overall height of handrail	G'		3380 (11' 1")	3380 (11' 1")	3380 (11' 1")	3380 (11' 1")
Minimum ground clearance	H		603 (2' 0")	603 (2' 0")	603 (2' 0")	603 (2' 0")
Rear-end distance	I		1530 (5' 0")	1530 (5' 0")	1530 (5' 0")	1530 (5' 0")
Rear-end swing radius	I'		1530 (5' 0")	1530 (5' 0")	1530 (5' 0")	1530 (5' 0")
Distance between tumblers	J		3030 (9' 11")	3030 (9' 11")	3030 (9' 11")	3030 (9' 11")
Undercarriage length (without grouser)	K		3770 (12' 4")	3770 (12' 4")	3770 (12' 4")	3770 (12' 4")
Undercarriage length (with grouser)	K		3820 (12' 6")	3820 (12' 6")	3820 (12' 6")	3820 (12' 6")
Undercarriage width	L		2840 (9' 4")	2840 (9' 4")	2840 (9' 4")	2840 (9' 4")
Undercarriage width with add footboard	L		2840 (9' 4")	2840 (9' 4")	2840 (9' 4")	2840 (9' 4")
Track gauge	M		2040 (6' 8")	2040 (6' 8")	2040 (6' 8")	2040 (6' 8")
Track shoe width, standard	N		800 (2' 7")	800 (2' 7")	800 (2' 7")	800 (2' 7")
Track shoe link quantity	EA		47	47	47	47
Travel speed (low/high)	km/hr (mph)		2.5/4.4 (1.6/2.7)	2.5/4.4 (1.6/2.7)	2.5/4.4 (1.6/2.7)	2.5/4.4 (1.6/2.7)
Swing speed	rpm		11.4	11.4	11.4	11.4
Gradeability	Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure	kgf/cm ² (psi)		0.34 (4.89)	0.34 (4.88)	0.35 (4.91)	0.34 (4.85)
Max traction force	kg (lb)		16717 (36850)	16717 (36850)	16717 (36850)	16717 (36850)

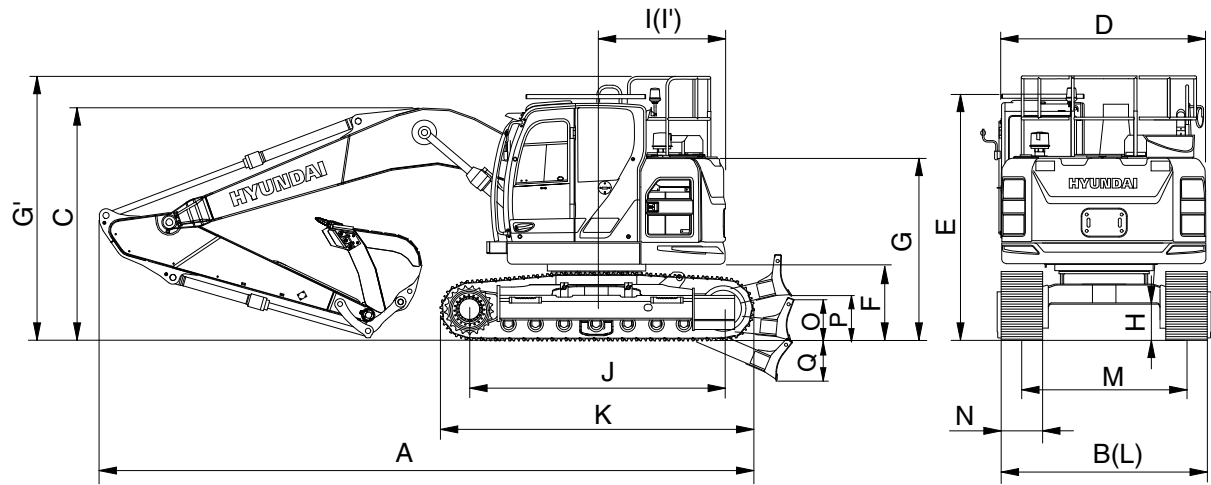
4) HX145A HW, 2-PIECE BOOM



145A2SP03

Description	Unit		Specification	
	m (ft-in)	Boom	4.9 (16' 1")	
		Arm	2.5 (8' 2")	2.1 (6' 11")
mm (in)	Shoe	800 (32)		
Operating weight	kg (lb)	18530 (40850)	18465 (40710)	
Overall length	A	7290 (23' 11")	7310 (24' 0")	
Overall width	B	2840 (9' 4")	2840 (9' 4")	
Overall width with add footboard	B'	2840 (9' 4")	2840 (9' 4")	
Overall height of boom	C	2790 (9' 2")	2785 (9' 2")	
Overall width of upper structure	D	2484 (8' 2")	2484 (8' 2")	
Overall height of cab	E	3155 (10' 4")	3155 (10' 4")	
Ground clearance of counterweight	F	1193 (3' 11")	1193 (3' 11")	
Overall height of engine hood	G	2760 (9' 1")	2760 (9' 1")	
Overall height of handrail	G'	3380 (11' 1")	3380 (11' 1")	
Minimum ground clearance	H	603 (2' 0")	603 (2' 0")	
Rear-end distance	I	1530 (5' 0")	1530 (5' 0")	
Rear-end swing radius	I'	1530 (5' 0")	1530 (5' 0")	
Distance between tumblers	J	3030 (9' 11")	3030 (9' 11")	
Undercarriage length (without grouser)	K	3770 (12' 4")	3770 (12' 4")	
Undercarriage length (with grouser)	K'	3820 (12' 6")	3820 (12' 6")	
Undercarriage width	L	2840 (9' 4")	2840 (9' 4")	
Undercarriage width with add footboard	L'	2840 (9' 4")	2840 (9' 4")	
Track gauge	M	2040 (6' 8")	2040 (6' 8")	
Track shoe width, standard	N	800 (2' 7")	800 (2' 7")	
Track shoe link quantity	EA	47	47	
Travel speed (low/high)	km/hr (mph)	2.5/4.4 (1.6/2.7)	2.5/4.4 (1.6/2.7)	
Swing speed	rpm	11.4	11.4	
Gradeability	Degree (%)	35 (70)	35 (70)	
Ground pressure	kgf/cm ² (psi)	0.35 (5.01)	0.35 (4.98)	
Max traction force	kg (lb)	16717 (36850)	16717 (36850)	

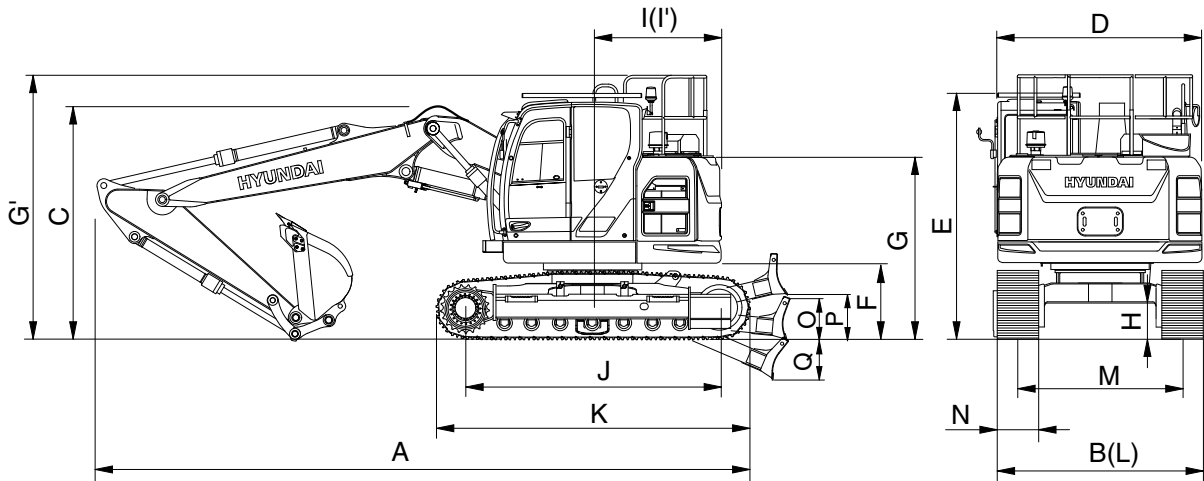
5) HX145A LCRD, MONO BOOM



145A2SP04

Description	Unit		Specification			
	m (ft-in)	Boom	4.6 (15' 1")			4.1 (13' 5")
		Arm	2.5 (8' 2")	2.1 (6' 11")	3.0 (9' 10")	1.9 (6' 3")
mm (in)	Shoe	600 (24)				
Operating weight	kg (lb)	16240 (35800)	16175 (35660)	16290 (35910)	16100 (35490)	
Overall length	A	6965 (22' 10")	6990 (22' 11")	6885 (22' 7")	6490 (21' 4")	
Overall width	B	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	
Overall width with add footboard	B'	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	
Overall height of boom	C	2925 (9' 7")	2895 (9' 6")	3260 (10' 8")	3005 (9' 10")	
Overall width of upper structure	D	2484 (8' 2")	2484 (8' 2")	2484 (8' 2")	2484 (8' 2")	
Overall height of cab	E	2835 (9' 4")	2835 (9' 4")	2835 (9' 4")	2835 (9' 4")	
Ground clearance of counterweight	F	918 (3' 0")	918 (3' 0")	918 (3' 0")	918 (3' 0")	
Overall height of engine hood	G	2485 (8' 2")	2485 (8' 2")	2485 (8' 2")	2485 (8' 2")	
Overall height of handrail	G'	3105 (10' 2")	3105 (10' 2")	3105 (10' 2")	3105 (10' 2")	
Minimum ground clearance	H	282 (0' 11")	282 (0' 11")	282 (0' 11")	282 (0' 11")	
Rear-end distance	I	1530 (5' 0")	1530 (5' 0")	1530 (5' 0")	1530 (5' 0")	
Rear-end swing radius	I'	1530 (5' 0")	1530 (5' 0")	1530 (5' 0")	1530 (5' 0")	
Distance between tumblers	J	3090 (10' 2")	3090 (10' 2")	3090 (10' 2")	3090 (10' 2")	
Undercarriage length (without grouser)	K	3786 (12' 5")	3786 (12' 5")	3786 (12' 5")	3786 (12' 5")	
Undercarriage length (with grouser)	K'	3836 (12' 7")	3836 (12' 7")	3836 (12' 7")	3836 (12' 7")	
Undercarriage width	L	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	
Undercarriage width with add footboard	L'	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	
Track gauge	M	1990 (6' 6")	1990 (6' 6")	1990 (6' 6")	1990 (6' 6")	
Track shoe width, standard	N	600 (2' 0")	600 (2' 0")	600 (2' 0")	600 (2' 0")	
Height of blade	O	575 (1' 11")	575 (1' 11")	575 (1' 11")	575 (1' 11")	
Ground clearance of blade up	P	423 (1' 5")	423 (1' 5")	423 (1' 5")	423 (1' 5")	
Depth of blade down	Q	430 (1' 5")	430 (1' 5")	430 (1' 5")	430 (1' 5")	
Track shoe link quantity	EA	47	47	47	47	
Travel speed (low/high)	km/hr (mph)	3.3/5.6 (2.1/3.5)	3.3/5.6 (2.1/3.5)	3.3/5.6 (2.1/3.5)	3.3/5.6 (2.1/3.5)	
Swing speed	rpm	11.4	11.4	11.4	11.4	
Gradeability	Degree (%)	35 (70)	35 (70)	35 (70)	35 (70)	
Ground pressure	kgf/cm ² (psi)	0.41 (5.76)	0.40 (5.75)	0.41 (5.79)	0.40 (5.72)	
Max traction force	kg (lb)	12672 (27940)	12672 (27940)	12672 (27940)	12672 (27940)	

6) HX145A LCRD, 2-PIECE BOOM

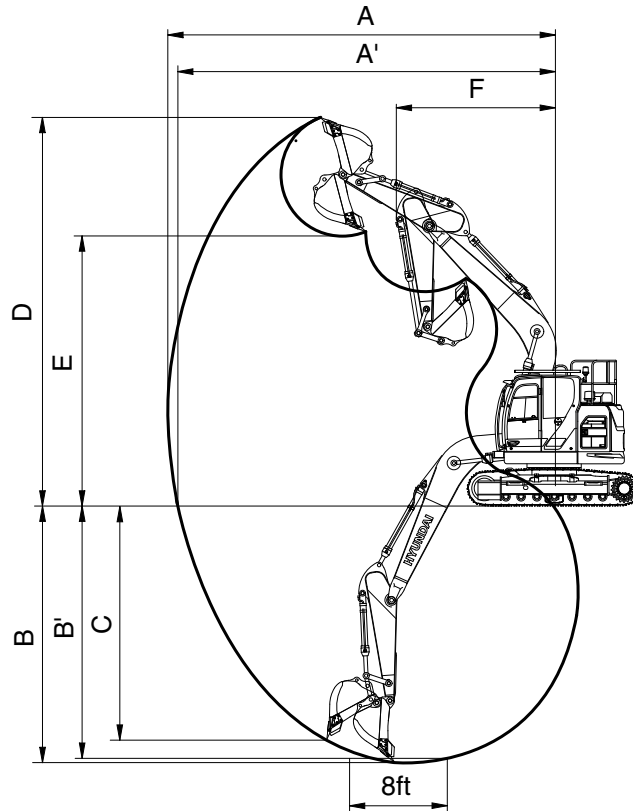


145A2SP05

Description	Unit		Specification	
	m (ft-in)	Boom	4.9 (16' 1")	
		Arm	2.5 (8' 2")	2.1 (6' 11")
	mm (in)	Shoe	600 (24)	
Operating weight	kg (lb)		16650 (36710)	16585 (36560)
Overall length	A	mm (ft-in)	7290 (23' 11")	7310 (24' 0")
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		2670 (8' 9")	2660 (8' 9")
Overall width of upper structure	D		2484 (8' 2")	2484 (8' 2")
Overall height of cab	E		2835 (9' 4")	2835 (9' 4")
Ground clearance of counterweight	F		918 (3' 0")	918 (3' 0")
Overall height of engine hood	G		2485 (8' 2")	2485 (8' 2")
Overall height of handrail	G'		3105 (10' 2")	3105 (10' 2")
Minimum ground clearance	H		282 (0' 11")	282 (0' 11")
Rear-end distance	I		1530 (5' 0")	1530 (5' 0")
Rear-end swing radius	I'		1530 (5' 0")	1530 (5' 0")
Distance between tumblers	J		3090 (10' 2")	3090 (10' 2")
Undercarriage length (without grouser)	K		3786 (12' 5")	3786 (12' 5")
Undercarriage length (with grouser)	K'		3836 (12' 7")	3836 (12' 7")
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		575 (1' 11")	575 (1' 11")
Ground clearance of blade up	P	423 (1' 5")	423 (1' 5")	
Depth of blade down	Q	430 (1' 5")	430 (1' 5")	
Track shoe link quantity	EA	47	47	
Travel speed (low/high)	km/hr (mph)	3.3/5.6 (2.1/3.5)	3.3/5.6 (2.1/3.5)	
Swing speed	rpm	11.4	11.4	
Gradeability	Degree (%)	35 (70)	35 (70)	
Ground pressure	kgf/cm ² (psi)	0.42 (5.92)	0.41 (5.89)	
Max traction force	kg (lb)	12672 (27940)	12672 (27940)	

3. WORKING RANGE AND DIGGING FORCE

1) HX145A LCR, MONO BOOM

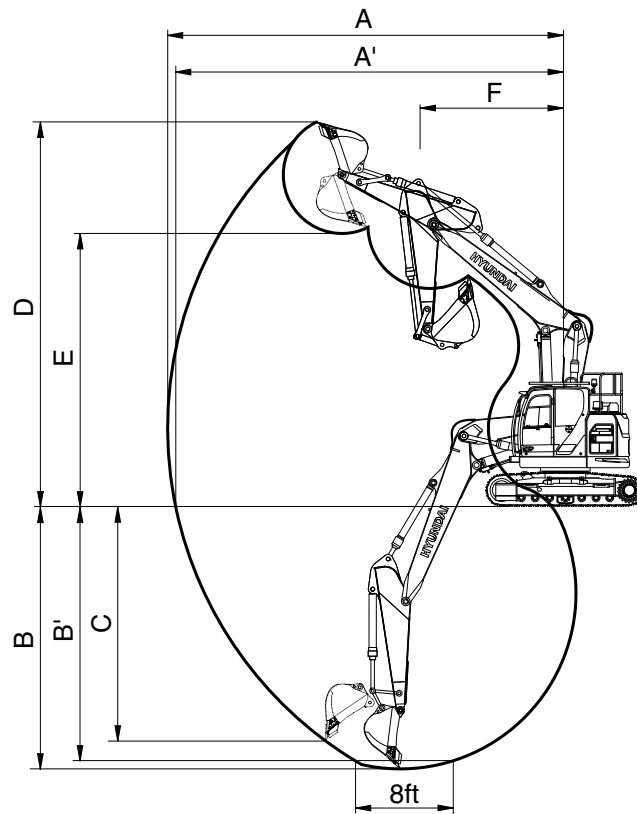


145A2SP06

Description	m (ft-in)	Boom	4.6 (15' 1")			4.1 (13' 6")
		Arm	2.5 (8' 2")	2.1 (6' 11")	3.0 (9' 10")	1.9 (6' 3")
Max digging reach	mm (ft-in)	A	8300 (27' 3")	7890 (25' 11")	8765 (28' 9")	7210 (23' 8")
Max digging reach on ground		A'	8160 (26' 9")	7740 (25' 5")	8630 (28' 4")	7040 (23' 1")
Max digging depth		B	5440 (17' 10")	5040 (16' 6")	5940 (19' 6")	4375 (14' 4")
Max digging depth (8 ft level)		B'	5230 (17' 2")	4800 (15' 9")	5760 (18' 11")	4130 (13' 7")
Max vertical wall digging depth		C	4990 (16' 4")	4590 (15' 1")	5490 (18' 0")	3930 (12' 11")
Max digging height		D	9370 (30' 9")	8990 (29' 6")	9750 (32' 0")	8395 (27' 7")
Max dumping height		E	6880 (22' 7")	6500 (21' 4")	7255 (23' 10")	5900 (19' 4")
Min swing radius		F	2050 (6' 9")	2100 (6' 11")	2330 (7' 8")	2010 (6' 7")
Bucket digging force	kN	SAE	87.9 [95.4]	87.9 [95.4]	87.8 [95.3]	87.8 [95.3]
	kgf		8960 [9730]	8960 [9730]	8956 [9720]	8955 [9720]
	lbf		19754 [21451]	19754 [21451]	19745 [21429]	19742 [21429]
	kN	ISO	102.9 [111.8]	102.9 [111.8]	102.9 [111.7]	102.9 [111.7]
	kgf		10497 [11400]	10497 [11400]	10492 [11390]	10490 [11390]
	lbf		23142 [25133]	23142 [25133]	23131 [25111]	23127 [25111]
Arm digging force	kN	SAE	62.7 [68.1]	73.6 [79.9]	56 [60.8]	82 [89]
	kgf		6396 [6940]	7506 [8150]	5711 [6200]	8360 [9080]
	lbf		14100 [15300]	16547 [17968]	12591 [13669]	18430 [20018]
	kN	ISO	65.4 [71]	77.1 [83.7]	58.1 [63.1]	86.1 [93.6]
	kgf		6665 [7240]	7863 [8540]	5924 [6430]	8785 [9540]
	lbf		14694 [15961]	17334 [18827]	13060 [14176]	19367 [21032]

[] : Power boost

2) HX145A LCR, 2-PIECE BOOM



145A2SP07

Description	m (ft-in)	Boom	4.9 (16' 1")	
		Arm	2.5 (8' 2")	2.1 (6' 11")
Max digging reach	mm (ft-in)	A	8680 (28' 6")	8270 (27' 2")
Max digging reach on ground		A'	8540 (28' 0")	8130 (26' 8")
Max digging depth		B	5600 (18' 4")	5190 (17' 0")
Max digging depth (8 ft level)		B'	5490 (18' 0")	5080 (16' 8")
Max vertical wall digging depth		C	5000 (16' 5")	4540 (14' 11")
Max digging height		D	9750 (32' 0")	9370 (30' 9")
Max dumping height		E	7260 (23' 10")	6880 (22' 7")
Min swing radius		F	2250 (7' 5")	2310 (7' 7")
Bucket digging force	kN	SAE	87.9 [95.4]	87.9 [95.4]
	kgf		8960 [9730]	8960 [9730]
	lbf		19754 [21451]	19754 [21451]
	kN	ISO	102.9 [111.8]	102.9 [111.8]
	kgf		10497 [11400]	10497 [11400]
	lbf		23142 [25133]	23142 [25133]
Arm digging force	kN	SAE	62.7 [68.1]	73.6 [79.9]
	kgf		6396 [6940]	7506 [8150]
	lbf		14100 [15300]	16547 [17968]
	kN	ISO	65.4 [71]	77.1 [83.7]
	kgf		6665 [7240]	7863 [8540]
	lbf		14694 [15961]	17334 [18827]

[] : Power boost

4. WEIGHT

Item	Qty	HX 145A LCR		HX 145A LCRD		HX 145A LCR HW	
	EA	kg	lb	kg	lb	kg	lb
Upperstructure assembly							
· Main frame weld assembly	1	1238	2729	1238	2729	1238	2729
· Engine assembly	1	360	794	360	794	360	794
· Aftertreatment assy	1	48	106	48	106	48	106
· Main pump assembly	1	88	194	88	194	88	194
· Main control valve assembly	1	140	309	140	309	140	309
· Swing motor assembly	1	130	287	130	287	130	287
· Hydraulic oil tank WA	1	132	291	132	291	132	291
· Fuel tank WA	1	131	289	131	289	131	289
· Counterweight	1	2800	6173	2800	6173	2800	6173
· Cab assembly	1	450	992	450	992	450	992
Lower chassis assembly							
· Track frame weld assembly	1	1605	3538	1740	3836	2250	4960
· Dozer blade assembly	1	-	-	473	1042	-	-
· Swing bearing	1	214	472	214	472	214	472
· Travel motor assembly	2	278	613	278	613	300	661
· Turning joint	1	56	123	63	139	56	123
· Sprocket	2	40	87	40	87	49	109
· Track recoil spring	2	94	208	94	208	132	291
· Idler	2	105	232	105	232	151	332
· Upper roller	4	19	42	19	42	40	88
· Lower roller	14	35	77	35	77	40	88
· Track Guard (LCR/LCRD:2EA, LCR HW:4EA)	-	36	79	36	79	592	1306
· Track-chain assembly (500 mm, 47 link)	2	942	2077	942	2077	-	-
· Track-chain assembly (600 mm, 47 link)	2	1049	2312	1049	2312	-	-
· Track-chain assembly (700 mm, 47 link)	2	1156	2549	1156	2549	-	-
· Track-chain assembly (700 mm, 47 link)-HW	2	-	-	-	-	1250	2755
· Track-chain assembly (800 mm, 47 link)-HW	2	-	-	-	-	1367	3013
· Track-chain assembly (600 mm, 47 link)-r/pad, bolt on	2	1329	2929	1329	2929	-	-
· Track-chain assembly (500 mm, 47 link)-rubber pad	2	930	2049	930	2049	-	-

※ 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.

Item	Qty	HX 145A LCR		HX 145A LCRD		HX 145A LCR HW	
	EA	kg	lb	kg	lb	kg	lb
Front attachment assembly							
· 4.6 m mono boom assembly	1	831	1832	831	1832	831	1832
· 4.1 m mono boom assembly	1	791	1744	791	1744	791	1744
· 4.9 m 2-piece boom assembly	1	1029	2269	1029	2269	1029	2269
· 2.5 m arm assembly	1	450	992	450	992	450	992
· 2.1 m arm assembly	1	389	858	389	858	389	858
· 3.0 m arm assembly	1	485	1069	485	1069	485	1069
· 1.9 m arm assembly	1	368	811	368	811	368	811
· 2.5 m arm assembly (w/o reinforce)	1	436	961	436	961	436	961
· 3.0 m arm assembly (w/o reinforce)	1	471	1038	471	1038	471	1038
· 0.58 m ³ bucket assembly	1	439	968	439	968	439	968
· 0.52 m ³ bucket assembly	1	406	895	406	895	406	895
· 0.65 m ³ bucket assembly	1	459	1012	459	1012	459	1012
· 0.50 m ³ bucket assembly	1	439	968	439	968	439	968
· 0.61 m ³ bucket assembly	1	490	1080	490	1080	490	1080
· 0.66 m ³ bucket assembly	1	493	1087	493	1087	493	1087
· 0.77 m ³ bucket assembly	1	543	1197	543	1197	543	1197
· Boom cylinder assembly	2	119	262	119	262	119	262
· Arm cylinder assembly	1	145	320	145	320	145	320
· Bucket cylinder assembly	1	104	229	104	229	104	229
· 2-piece boom cylinder assembly	1	180	397	180	397	180	397
· Dozer cylinder assembly	2	-	-	54	120	-	-
· Bucket control linkage total	1	113	249	113	249	113	249

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

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

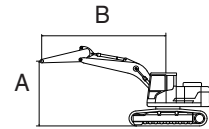
5. LIFTING CAPACITIES









1) HX145A LCR MONO BOOM

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4100	1900	2800	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)		Capacity		Reach	
									m (ft)	
6.0 m (19.7 ft)	kg lb		*5570 *12280	*5570 *12280			*3050 *6720	*3050 *6720	3.83 (12.6)	
4.5 m (14.8 ft)	kg lb		*6150 *13560	*6150 *13560	*5300 *11680	3710 8180	*2620 *5780	*2620 *5780	5.12 (16.8)	
3.0 m (9.8 ft)	kg lb		*7960 *17550	6750 14880	*5770 *12720	3580 7890	*2560 *5640	2430 5360	5.76 (18.9)	
1.5 m (4.9 ft)	kg lb				5800 12790	3390 7470	*2700 *5950	2250 4960	5.96 (19.6)	
0.0 m (0.0 ft)	kg lb		*9720 *21430	5900 13010	5640 12430	3250 7170	*3100 *6830	2310 5090	5.77 (18.9)	
-1.5 m (-4.9 ft)	kg lb	*8890 *19600	*8890 *19600	*8110 *17880	5890 12990	*5510 *12150	3230 7120	*4060 *8950	2710 5970	5.14 (16.9)
-3.0 m (-9.8 ft)	kg lb			*4700 *10360	*4700 *10360			*3280 *7230	*3280 *7230	3.86 (12.7)

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.

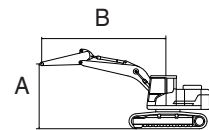
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









▲ 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	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4100	1900	3300	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)		Capacity		Reach	
									m (ft)	
6.0 m (19.7 ft)	kg			*5570	*5570			*3050	*3050	3.83
	lb			*12280	*12280			*6720	*6720	(12.6)
4.5 m (14.8 ft)	kg			*6150	*6150	*5300	3970	*2620	*2620	5.12
	lb			*13560	*13560	*11680	8750	*5780	*5780	(16.8)
3.0 m (9.8 ft)	kg			*7960	7200	*5770	3840	*2560	*2560	5.76
	lb			*17550	15870	*12720	8470	*5640	*5640	(18.9)
1.5 m (4.9 ft)	kg					6160	3650	*2700	2430	5.96
	lb					13580	8050	*5950	5360	(19.6)
0.0 m (0.0 ft)	kg			*9720	6360	6000	3510	*3100	2500	5.77
	lb			*21430	14020	13230	7740	*6830	5510	(18.9)
-1.5 m (-4.9 ft)	kg	*8890	*8890	*8110	6350	*5510	3480	*4060	2920	5.14
	lb	*19600	*19600	*17880	14000	*12150	7670	*8950	6440	(16.9)
-3.0 m (-9.8 ft)	kg			*4700	*4700			*3280	*3280	3.86
	lb			*10360	*10360			*7230	*7230	(12.7)

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.

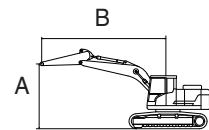
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











▲ 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	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2100	2800	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)	
7.5 m (24.6 ft)	kg									*4670	*4670	2.66
	lb									*10300	*10300	(8.7)
6.0 m (19.7 ft)	kg		*4980	*4980	*4410	3760				*3370	3310	4.83
	lb		*10980	*10980	*9720	8290				*7430	7300	(15.9)
4.5 m (14.8 ft)	kg		*5280	*5280	*4770	3710				*3070	2370	5.91
	lb		*11640	*11640	*10520	8180				*6770	5220	(19.4)
3.0 m (9.8 ft)	kg		*7880	6570	*5440	3520	3750	2270		*3040	2000	6.47
	lb		*17370	14480	*11990	7760	8270	5000		*6700	4410	(21.2)
1.5 m (4.9 ft)	kg				5700	3300	3660	2180		3130	1870	6.65
	lb				12570	7280	8070	4810		6900	4120	(21.8)
0.0 m (0.0 ft)	kg		*6200	5700	5530	3150	3580	2120		3210	1910	6.47
	lb		*13670	12570	12190	6940	7890	4670		7080	4210	(21.2)
-1.5 m (-4.9 ft)	kg	*5160	*5160	*8280	5710	5480	3110			3640	2150	5.92
	lb	*11380	*11380	*18250	12590	12080	6860			8020	4740	(19.4)
-3.0 m (-9.8 ft)	kg			*6010	5840	*4130	3180			*3520	2880	4.86
	lb			*13250	12870	*9110	7010			*7760	6350	(15.9)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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

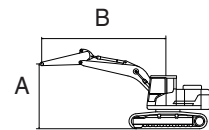
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR	MONO BOOM	4600	2100	3300	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)	
7.5 m (24.6 ft)	kg									*4670	*4670	2.66
	lb									*10300	*10300	(8.7)
6.0 m (19.7 ft)	kg			*4980	*4980	*4410	4010			*3370	*3370	4.83
	lb			*10980	*10980	*9720	8840			*7430	*7430	(15.9)
4.5 m (14.8 ft)	kg			*5280	*5280	*4770	3970			*3070	2550	5.91
	lb			*11640	*11640	*10520	8750			*6770	5620	(19.4)
3.0 m (9.8 ft)	kg			*7880	7020	*5440	3780	3990	2450	*3040	2170	6.47
	lb			*17370	15480	*11990	8330	8800	5400	*6700	4780	(21.2)
1.5 m (4.9 ft)	kg					6060	3550	3890	2360	*3210	2030	6.65
	lb					13360	7830	8580	5200	*7080	4480	(21.8)
0.0 m (0.0 ft)	kg			*6200	6160	5890	3400	3820	2290	3430	2070	6.47
	lb			*13670	13580	12990	7500	8420	5050	7560	4560	(21.2)
-1.5 m (-4.9 ft)	kg	*5160	*5160	*8280	6170	*5830	3360			3890	2330	5.92
	lb	*11380	*11380	*18250	13600	*12850	7410			8580	5140	(19.4)
-3.0 m (-9.8 ft)	kg			*6010	*6010	*4130	3440			*3520	3110	4.86
	lb			*13250	*13250	*9110	7580			*7760	6860	(15.9)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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

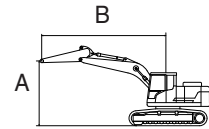
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2800	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)	
7.5 m (24.6 ft)	kg			*4030	*4030					*2930	*2930	3.58
	lb			*8880	*8880					*6460	*6460	(11.7)
6.0 m (19.7 ft)	kg					*3800	*3800			*2260	*2260	5.39
	lb					*8380	*8380			*4980	*4980	(17.7)
4.5 m (14.8 ft)	kg			*3920	*3920	*4290	3760	*3290	2340	*2060	*2060	6.37
	lb			*8640	*8640	*9460	8290	*7250	5160	*4540	*4540	(20.9)
3.0 m (9.8 ft)	kg			*7140	6730	*5120	3550	3760	2270	*2030	1800	6.89
	lb			*15740	14840	*11290	7830	8290	5000	*4480	3970	(22.6)
1.5 m (4.9 ft)	kg			*8300	5990	5720	3310	3650	2170	*2120	1690	7.06
	lb			*18300	13210	12610	7300	8050	4780	*4670	3730	(23.1)
0.0 m (0.0 ft)	kg			*6700	5670	5510	3130	3560	2090	*2340	1720	6.89
	lb			*14770	12500	12150	6900	7850	4610	*5160	3790	(22.6)
-1.5 m (-4.9 ft)	kg	*4660	*4660	*8760	5620	5430	3060	3520	2060	*2800	1900	6.38
	lb	*10270	*10270	*19310	12390	11970	6750	7760	4540	*6170	4190	(20.9)
-3.0 m (-9.8 ft)	kg	*8720	*8720	*6790	5720	*4730	3100			*3410	2430	5.41
	lb	*19220	*19220	*14970	12610	*10430	6830			*7520	5360	(17.7)

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

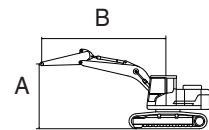
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	3300	600	-	-	-	-	-

·  : 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)	
7.5 m (24.6 ft)	kg			*4030	*4030					*2930	*2930	3.58
	lb			*8880	*8880					*6460	*6460	(11.7)
6.0 m (19.7 ft)	kg					*3800	*3800			*2260	*2260	5.39
	lb					*8380	*8380			*4980	*4980	(17.7)
4.5 m (14.8 ft)	kg			*3920	*3920	*4290	4010	*3290	2520	*2060	*2060	6.37
	lb			*8640	*8640	*9460	8840	*7250	5560	*4540	*4540	(20.9)
3.0 m (9.8 ft)	kg			*7140	*7140	*5120	3810	4000	2450	*2030	1960	6.89
	lb			*15740	*15740	*11290	8400	8820	5400	*4480	4320	(22.6)
1.5 m (4.9 ft)	kg			*8300	6450	*5940	3560	3890	2350	*2120	1840	7.06
	lb			*18300	14220	*13100	7850	8580	5180	*4670	4060	(23.1)
0.0 m (0.0 ft)	kg			*6700	6130	5870	3390	3800	2270	*2340	1870	6.89
	lb			*14770	13510	12940	7470	8380	5000	*5160	4120	(22.6)
-1.5 m (-4.9 ft)	kg	*4660	*4660	*8760	6080	5790	3320	3760	2240	*2800	2070	6.38
	lb	*10270	*10270	*19310	13400	12760	7320	8290	4940	*6170	4560	(20.9)
-3.0 m (-9.8 ft)	kg	*8720	*8720	*6790	6180	*4730	3360			*3410	2630	5.41
	lb	*19220	*19220	*14970	13620	*10430	7410			*7520	5800	(17.7)

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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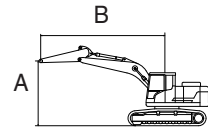
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2800	600	-	-	-	-	-



: 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													*2310 *5090	*2310 *5090	4.43 (14.5)
6.0 m (19.7 ft)	kg lb					*3270 *7210	*3270 *7210							*1900 *4190	*1900 *4190	5.98 (19.6)
4.5 m (14.8 ft)	kg lb					*3440 *7580	*3440 *7580	*3210 *7080	2390 5270					*1760 *3880	*1760 *3880	6.88 (22.6)
3.0 m (9.8 ft)	kg lb			*5080 *11200	*5080 *11200	*4580 *10100	3630 8000	3800 8380	2310 5090					*1740 *3840	1630 3590	7.36 (24.2)
1.5 m (4.9 ft)	kg lb			*8710 *19200	6190 13650	*5650 *12460	3370 7430	3670 8090	2190 4830	*1910 *4210	1540 3400			*1810 *3990	1530 3370	7.52 (24.7)
0.0 m (0.0 ft)	kg lb			*7520 *16580	5720 12610	5540 12210	3150 6940	3560 7850	2090 4610					*1990 *4390	1550 3420	7.37 (24.2)
-1.5 m (-4.9 ft)	kg lb	*4220 *9300	*4220 *9300	*9240 *20370	5600 12350	5420 11950	3040 6700	3500 7720	2040 4500					*2340 *5160	1690 3730	6.89 (22.6)
-3.0 m (-9.8 ft)	kg lb	*7330 *16160	*7330 *16160	*7660 *16890	5640 12430	*5270 *11620	3050 6720	*3120 *6880	2070 4560					*3100 *6830	2070 4560	6.00 (19.7)
-4.5 m (-14.8 ft)	kg lb			*4550 *10030	*4550 *10030									*2630 *5800	*2630 *5800	4.47 (14.7)

Note 1. Lifting capacity are based on ISO 10567.

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

4. *Indicates load limited by hydraulic capacity.

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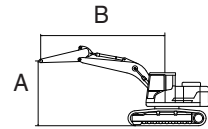
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	3300	600	-	-	-	-	-



: 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
														kg
7.5 m (24.6 ft)	kg											*2310	*2310	4.43
	lb											*5090	*5090	(14.5)
6.0 m (19.7 ft)	kg					*3270	*3270					*1900	*1900	5.98
	lb					*7210	*7210					*4190	*4190	(19.6)
4.5 m (14.8 ft)	kg					*3440	*3440	*3210	2570			*1760	*1760	6.88
	lb					*7580	*7580	*7080	5670			*3880	*3880	(22.6)
3.0 m (9.8 ft)	kg			*5080	*5080	*4580	3890	*3940	2490			*1740	*1740	7.36
	lb			*11200	*11200	*10100	8580	*8690	5490			*3840	*3840	(24.2)
1.5 m (4.9 ft)	kg			*8710	6650	*5650	3620	3910	2370	*1910	1680	*1810	1670	7.52
	lb			*19200	14660	*12460	7980	8620	5220	*4210	3700	*3990	3680	(24.7)
0.0 m (0.0 ft)	kg			*7520	6180	5910	3410	3800	2270			*1990	1690	7.37
	lb			*16580	13620	13030	7520	8380	5000			*4390	3730	(24.2)
-1.5 m (-4.9 ft)	kg	*4220	*4220	*9240	6050	5780	3300	3740	2210			*2340	1840	6.89
	lb	*9300	*9300	*20370	13340	12740	7280	8250	4870			*5160	4060	(22.6)
-3.0 m (-9.8 ft)	kg	*7330	*7330	*7660	6100	*5270	3300	*3120	2250			*3100	2240	6.00
	lb	*16160	*16160	*16890	13450	*11620	7280	*6880	4960			*6830	4940	(19.7)
-4.5 m (-14.8 ft)	kg			*4550	*4550							*2630	*2630	4.47
	lb			*10030	*10030							*5800	*5800	(14.7)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

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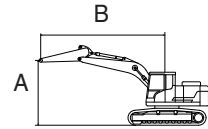
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.









2) HX145A LCR 2-PIECE BOOM

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR	2-PIECE BOOM	4939	2100	2800	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)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg *5010	kg *5010					*4600	*4600	3.52	
	lb *11050	lb *11050					*10140	*10140	(11.5)	
6.0 m (19.7 ft)	kg		*4150	3820			*3580	2820	5.35	
	lb		*9150	8420			*7890	6220	(17.5)	
4.5 m (14.8 ft)	kg	*5230	*5230	*4430	3710	3840	2330	*3290	2110	6.33
	lb	*11530	*11530	*9770	8180	8470	5140	*7250	4650	(20.8)
3.0 m (9.8 ft)	kg			*5190	3480	3760	2250	3030	1810	6.86
	lb			*11440	7670	8290	4960	6680	3990	(22.5)
1.5 m (4.9 ft)	kg			5660	3220	3640	2150	2870	1690	7.03
	lb			12480	7100	8020	4740	6330	3730	(23.1)
0.0 m (0.0 ft)	kg			5480	3070	3560	2070	2930	1720	6.86
	lb			12080	6770	7850	4560	6460	3790	(22.5)
-1.5 m (-4.9 ft)	kg	*7730	5610	5440	3030	3540	2050	3280	1910	6.35
	lb	*17040	12370	11990	6680	7800	4520	7230	4210	(20.8)
-3.0 m (-9.8 ft)	kg			*4710	3100					
	lb			*10380	6830					

Note 1. Lifting capacity are based on ISO 10567.

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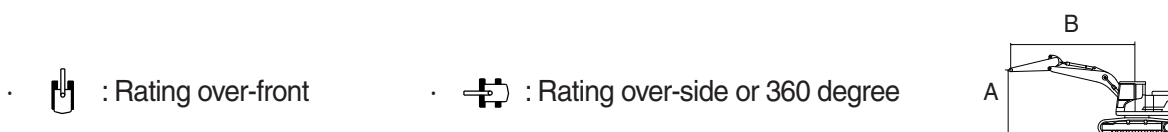
Lifting capacities will vary with different work tools, ground conditions and attachments.









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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR	2-PIECE BOOM	4939	2100	3300	600	-	-	-	-	-



Lift-point height (A)	Lift-point radius (B)						At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg lb	*5010 *11050	*5010 *11050					*4600 *10140	*4600 *10140	3.52 (11.5)
6.0 m (19.7 ft)	kg lb			*4150 *9150	4070 8970			*3580 *7890	3030 6680	5.35 (17.5)
4.5 m (14.8 ft)	kg lb	*5230 *11530	*5230 *11530	*4430 *9770	3970 8750	*3970 *8750	2510 5530	*3290 *7250	2270 5000	6.33 (20.8)
3.0 m (9.8 ft)	kg lb			*5190 *11440	3730 8220	4000 8820	2430 5360	3230 7120	1960 4320	6.86 (22.5)
1.5 m (4.9 ft)	kg lb			*5940 *13100	3480 7670	3880 8550	2320 5110	3060 6750	1840 4060	7.03 (23.1)
0.0 m (0.0 ft)	kg lb			5840 12870	3330 7340	3800 8380	2250 4960	3130 6900	1870 4120	6.86 (22.5)
-1.5 m (-4.9 ft)	kg lb	*7730 *17040	6070 13380	5800 12790	3290 7250	3780 8330	2230 4920	3500 7720	2080 4590	6.35 (20.8)
-3.0 m (-9.8 ft)	kg lb			*4710 *10380	3360 7410					

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

※ Lifting capacities are based upon a standard machine conditions.

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

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

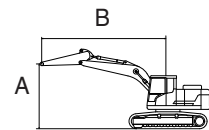
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









▲ 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
HX145A LCR	2-PIECE BOOM	4939	2500	2800	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)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg						*3070	*3070	4.28	
	lb						*6770	*6770	(14.0)	
6.0 m (19.7 ft)	kg		*3770	*3770			*2480	2430	5.87	
	lb		*8310	*8310			*5470	5360	(19.3)	
4.5 m (14.8 ft)	kg	*3760	*3760	*4090	3760	*3700	2350	*2280	1880	6.78
	lb	*8290	*8290	*9020	8290	*8160	5180	*5030	4140	(22.3)
3.0 m (9.8 ft)	kg	*7110	6580	*4880	3510	3770	2260	*2240	1630	7.27
	lb	*15670	14510	*10760	7740	8310	4980	*4940	3590	(23.9)
1.5 m (4.9 ft)	kg			5680	3240	3640	2140	*2320	1530	7.43
	lb			12520	7140	8020	4720	*5110	3370	(24.4)
0.0 m (0.0 ft)	kg	*3870	*3870	5460	3050	3530	2040	*2520	1550	7.28
	lb	*8530	*8530	12040	6720	7780	4500	*5560	3420	(23.9)
-1.5 m (-4.9 ft)	kg	*7060	5510	5390	2980	3490	2000	*2930	1700	6.79
	lb	*15560	12150	11880	6570	7690	4410	*6460	3750	(22.3)
-3.0 m (-9.8 ft)	kg	*7150	5620	*5090	3020					
	lb	*15760	12390	*11220	6660					

Note 1. Lifting capacity are based on ISO 10567.

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

4. *Indicates load limited by hydraulic capacity.

※ 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.

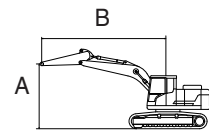
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









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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
HX145A LCR	2-PIECE BOOM	4939	2500	3300	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)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg lb						*3070 *6770	*3070 *6770	4.28 (14.0)	
6.0 m (19.7 ft)	kg lb		*3770 *8310	*3770 *8310			*2480 *5470	*2480 *5470	5.87 (19.3)	
4.5 m (14.8 ft)	kg lb	*3760 *8290	*3760 *8290	*4090 *9020	4020 8860	*3700 *8160	2530 5580	*2280 *5030	2030 4480	6.78 (22.3)
3.0 m (9.8 ft)	kg lb	*7110 *15670	7040 15520	*4880 *10760	3770 8310	*3980 *8770	2440 5380	*2240 *4940	1770 3900	7.27 (23.9)
1.5 m (4.9 ft)	kg lb			*5720 *12610	3490 7690	3880 8550	2320 5110	*2320 *5110	1670 3680	7.43 (24.4)
0.0 m (0.0 ft)	kg lb	*3870 *8530	*3870 *8530	5820 12830	3310 7300	3770 8310	2220 4890	*2520 *5560	1690 3730	7.28 (23.9)
-1.5 m (-4.9 ft)	kg lb	*7060 *15560	5970 13160	5750 12680	3240 7140	3730 8220	2180 4810	*2930 *6460	1860 4100	6.79 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7150 *15760	6080 13400	*5090 *11220	3280 7230					

Note 1. Lifting capacity are based on ISO 10567.

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

4. *Indicates load limited by hydraulic capacity.

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

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

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3) HX145A LCRD MONO BOOM

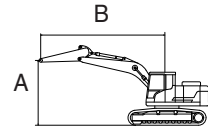
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR	MONO BOOM	4100	1900	2800	600	-	Down	-	-	-



: 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)		Capacity		Reach	
									m (ft)	
6.0 m (19.7 ft)	kg lb		*5570 *12280	*5570 *12280			*3050 *6720	*3050 *6720	3.83 (12.6)	
4.5 m (14.8 ft)	kg lb		*6150 *13560	*6150 *13560	*5300 *11680	3960 8730	*2620 *5780	*2620 *5780	5.12 (16.8)	
3.0 m (9.8 ft)	kg lb		*7960 *17550	7190 15850	*5770 *12720	3830 8440	*2560 *5640	*2560 *5640	5.76 (18.9)	
1.5 m (4.9 ft)	kg lb				*6370 *14040	3640 8020	*2700 *5950	2420 5340	5.96 (19.6)	
0.0 m (0.0 ft)	kg lb		*9720 *21430	6340 13980	*6450 *14220	3500 7720	*3100 *6830	2490 5490	5.77 (18.9)	
-1.5 m (-4.9 ft)	kg lb	*8890 *19600	*8890 *19600	*8110 *17880	6340 13980	*5510 *12150	3480 7670	*4060 *8950	2920 6440	5.14 (16.9)
-3.0 m (-9.8 ft)	kg lb			*4700 *10360	*4700 *10360			*3280 *7230	*3280 *7230	3.86 (12.7)

Note 1. Lifting capacity are based on ISO 10567.

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

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

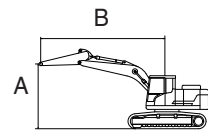
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4100	1900	2800	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)		Capacity		Reach	
									m (ft)	
6.0 m (19.7 ft)	kg			*5570	*5570			*3050	*3050	3.83
	lb			*12280	*12280			*6720	*6720	(12.6)
4.5 m (14.8 ft)	kg			*6150	*6150	*5300	3960	*2620	*2620	5.12
	lb			*13560	*13560	*11680	8730	*5780	*5780	(16.8)
3.0 m (9.8 ft)	kg			*7960	7190	*5770	3830	*2560	*2560	5.76
	lb			*17550	15850	*12720	8440	*5640	*5640	(18.9)
1.5 m (4.9 ft)	kg					5910	3640	*2700	2420	5.96
	lb					13030	8020	*5950	5340	(19.6)
0.0 m (0.0 ft)	kg			*9720	6340	5750	3500	*3100	2490	5.77
	lb			*21430	13980	12680	7720	*6830	5490	(18.9)
-1.5 m (-4.9 ft)	kg	*8890	*8890	*8110	6340	*5510	3480	*4060	2920	5.14
	lb	*19600	*19600	*17880	13980	*12150	7670	*8950	6440	(16.9)
-3.0 m (-9.8 ft)	kg			*4700	*4700			*3280	*3280	3.86
	lb			*10360	*10360			*7230	*7230	(12.7)

Note 1. Lifting capacity are based on ISO 10567.

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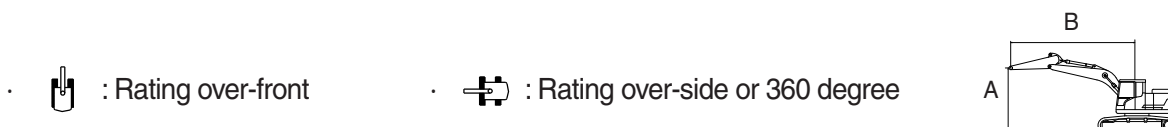
Lifting capacities will vary with different work tools, ground conditions and attachments.









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

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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR	MONO BOOM	4100	1900	3300	600	-	Down	-	-	-



Lift-point height (A)	Lift-point radius (B)						At max. reach			
	1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		Capacity		Reach	
									m (ft)	
6.0 m (19.7 ft)	kg			*5570	*5570			*3050	*3050	3.83
	lb			*12280	*12280			*6720	*6720	(12.6)
4.5 m (14.8 ft)	kg			*6150	*6150	*5300	4220	*2620	*2620	5.12
	lb			*13560	*13560	*11680	9300	*5780	*5780	(16.8)
3.0 m (9.8 ft)	kg			*7960	7650	*5770	4080	*2560	*2560	5.76
	lb			*17550	16870	*12720	8990	*5640	*5640	(18.9)
1.5 m (4.9 ft)	kg					*6370	3890	*2700	2600	5.96
	lb					*14040	8580	*5950	5730	(19.6)
0.0 m (0.0 ft)	kg			*9720	6800	*6450	3760	*3100	2680	5.77
	lb			*21430	14990	*14220	8290	*6830	5910	(18.9)
-1.5 m (-4.9 ft)	kg	*8890	*8890	*8110	6790	*5510	3730	*4060	3130	5.14
	lb	*19600	*19600	*17880	14970	*12150	8220	*8950	6900	(16.9)
-3.0 m (-9.8 ft)	kg			*4700	*4700			*3280	*3280	3.86
	lb			*10360	*10360			*7230	*7230	(12.7)

- Note
1. Lifting capacity are based on ISO 10567.
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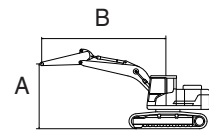
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4100	1900	3300	600	-	Up	-	-	-

·  : 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)		Capacity		Reach	
									m (ft)	
6.0 m (19.7 ft)	kg			*5570	*5570			*3050	*3050	3.83
	lb			*12280	*12280			*6720	*6720	(12.6)
4.5 m (14.8 ft)	kg			*6150	*6150	*5300	4220	*2620	*2620	5.12
	lb			*13560	*13560	*11680	9300	*5780	*5780	(16.8)
3.0 m (9.8 ft)	kg			*7960	7650	*5770	4080	*2560	*2560	5.76
	lb			*17550	16870	*12720	8990	*5640	*5640	(18.9)
1.5 m (4.9 ft)	kg					6270	3890	*2700	2600	5.96
	lb					13820	8580	*5950	5730	(19.6)
0.0 m (0.0 ft)	kg			*9720	6800	6120	3760	*3100	2680	5.77
	lb			*21430	14990	13490	8290	*6830	5910	(18.9)
-1.5 m (-4.9 ft)	kg	*8890	*8890	*8110	6790	*5510	3730	*4060	3130	5.14
	lb	*19600	*19600	*17880	14970	*12150	8220	*8950	6900	(16.9)
-3.0 m (-9.8 ft)	kg			*4700	*4700			*3280	*3280	3.86
	lb			*10360	*10360			*7230	*7230	(12.7)

Note 1. Lifting capacity are based on ISO 10567.

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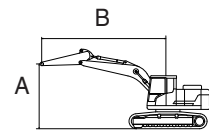
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR	MONO BOOM	4600	2100	2800	600	-	Down	-	-	-

·  : 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	
												
7.5 m (24.6 ft)	kg									*4670	*4670	2.66
	lb									*10300	*10300	(8.7)
6.0 m (19.7 ft)	kg		*4980	*4980	*4410	4010				*3370	*3370	4.83
	lb		*10980	*10980	*9720	8840				*7430	*7430	(15.9)
4.5 m (14.8 ft)	kg		*5280	*5280	*4770	3960				*3070	2550	5.91
	lb		*11640	*11640	*10520	8730				*6770	5620	(19.4)
3.0 m (9.8 ft)	kg		*7880	7010	*5440	3770	*4450	2440		*3040	2160	6.47
	lb		*17370	15450	*11990	8310	*9810	5380		*6700	4760	(21.2)
1.5 m (4.9 ft)	kg				*6150	3540	*4660	2360		*3210	2030	6.65
	lb				*13560	7800	*10270	5200		*7080	4480	(21.8)
0.0 m (0.0 ft)	kg		*6200	6140	*6370	3400	*4630	2290		*3610	2060	6.47
	lb		*13670	13540	*14040	7500	*10210	5050		*7960	4540	(21.2)
-1.5 m (-4.9 ft)	kg	*5160	*5160	*8280	6150	*5830	3350			*4010	2330	5.92
	lb	*11380	*11380	*18250	13560	*12850	7390			*8840	5140	(19.4)
-3.0 m (-9.8 ft)	kg		*6010	*6010	*4130	3430				*3520	3110	4.86
	lb		*13250	*13250	*9110	7560				*7760	6860	(15.9)

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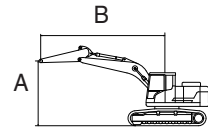
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR	MONO BOOM	4600	2100	2800	600	-	Up	-	-	-



: 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)	
7.5 m (24.6 ft)	kg									*4670	*4670	2.66
	lb									*10300	*10300	(8.7)
6.0 m (19.7 ft)	kg		*4980	*4980	*4410	4010				*3370	*3370	4.83
	lb		*10980	*10980	*9720	8840				*7430	*7430	(15.9)
4.5 m (14.8 ft)	kg		*5280	*5280	*4770	3960				*3070	2550	5.91
	lb		*11640	*11640	*10520	8730				*6770	5620	(19.4)
3.0 m (9.8 ft)	kg		*7880	7010	*5440	3770	3820	2440		*3040	2160	6.47
	lb		*17370	15450	*11990	8310	8420	5380		*6700	4760	(21.2)
1.5 m (4.9 ft)	kg				5810	3540	3730	2360		3190	2030	6.65
	lb				12810	7800	8220	5200		7030	4480	(21.8)
0.0 m (0.0 ft)	kg		*6200	6140	5640	3400	3660	2290		3280	2060	6.47
	lb		*13670	13540	12430	7500	8070	5050		7230	4540	(21.2)
-1.5 m (-4.9 ft)	kg	*5160	*5160	*8280	6150	5590	3350			3720	2330	5.92
	lb	*11380	*11380	*18250	13560	12320	7390			8200	5140	(19.4)
-3.0 m (-9.8 ft)	kg			*6010	*6010	*4130	3430			*3520	3110	4.86
	lb			*13250	*13250	*9110	7560			*7760	6860	(15.9)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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

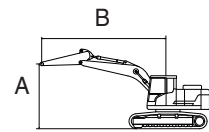
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR	MONO BOOM	4600	2100	3300	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)	
7.5 m (24.6 ft)	kg									*4670	*4670	2.66
	lb									*10300	*10300	(8.7)
6.0 m (19.7 ft)	kg		*4980	*4980	*4410	4260				*3370	*3370	4.83
	lb		*10980	*10980	*9720	9390				*7430	*7430	(15.9)
4.5 m (14.8 ft)	kg		*5280	*5280	*4770	4220				*3070	2730	5.91
	lb		*11640	*11640	*10520	9300				*6770	6020	(19.4)
3.0 m (9.8 ft)	kg		*7880	7460	*5440	4030	*4450	2620	*3040	2330	6.47	
	lb		*17370	16450	*11990	8880	*9810	5780	*6700	5140	(21.2)	
1.5 m (4.9 ft)	kg				*6150	3800	*4660	2540	*3210	2180	6.65	
	lb				*13560	8380	*10270	5600	*7080	4810	(21.8)	
0.0 m (0.0 ft)	kg		*6200	*6200	*6370	3650	*4630	2470	*3610	2230	6.47	
	lb		*13670	*13670	*14040	8050	*10210	5450	*7960	4920	(21.2)	
-1.5 m (-4.9 ft)	kg	*5160	*5160	*8280	6610	*5830	3610		*4010	2510	5.92	
	lb	*11380	*11380	*18250	14570	*12850	7960		*8840	5530	(19.4)	
-3.0 m (-9.8 ft)	kg		*6010	*6010	*4130	3690			*3520	3340	4.86	
	lb		*13250	*13250	*9110	8140			*7760	7360	(15.9)	

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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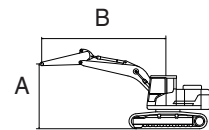
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2100	3300	600	-	Up	-	-	-

·  : 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)	
7.5 m (24.6 ft)	kg									*4670	*4670	2.66 (8.7)
6.0 m (19.7 ft)	kg			*4980	*4980	*4410	4260			*3370	*3370	4.83
	lb			*10980	*10980	*9720	9390			*7430	*7430	(15.9)
4.5 m (14.8 ft)	kg			*5280	*5280	*4770	4220			*3070	2730	5.91
	lb			*11640	*11640	*10520	9300			*6770	6020	(19.4)
3.0 m (9.8 ft)	kg			*7880	7460	*5440	4030	4060	2620	*3040	2330	6.47
	lb			*17370	16450	*11990	8880	8950	5780	*6700	5140	(21.2)
1.5 m (4.9 ft)	kg					*6150	3800	3970	2540	*3210	2180	6.65
	lb					*13560	8380	8750	5600	*7080	4810	(21.8)
0.0 m (0.0 ft)	kg			*6200	*6200	6000	3650	3900	2470	3490	2230	6.47
	lb			*13670	*13670	13230	8050	8600	5450	7690	4920	(21.2)
-1.5 m (-4.9 ft)	kg	*5160	*5160	*8280	6610	*5830	3610			3960	2510	5.92
	lb	*11380	*11380	*18250	14570	*12850	7960			8730	5530	(19.4)
-3.0 m (-9.8 ft)	kg			*6010	*6010	*4130	3690			*3520	3340	4.86
	lb			*13250	*13250	*9110	8140			*7760	7360	(15.9)

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.

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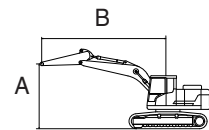
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2800	600	-	Down	-	-	-

·  : 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)	
7.5 m (24.6 ft)	kg			*4030	*4030					*2930	*2930	3.58
	lb			*8880	*8880					*6460	*6460	(11.7)
6.0 m (19.7 ft)	kg					*3800	*3800			*2260	*2260	5.39
	lb					*8380	*8380			*4980	*4980	(17.7)
4.5 m (14.8 ft)	kg			*3920	*3920	*4290	4010	*3290	2510	*2060	*2060	6.37
	lb			*8640	*8640	*9460	8840	*7250	5530	*4540	*4540	(20.9)
3.0 m (9.8 ft)	kg			*7140	*7140	*5120	3800	*4250	2450	*2030	1950	6.89
	lb			*15740	*15740	*11290	8380	*9370	5400	*4480	4300	(22.6)
1.5 m (4.9 ft)	kg			*8300	6430	*5940	3560	*4540	2350	*2120	1840	7.06
	lb			*18300	14180	*13100	7850	*10010	5180	*4670	4060	(23.1)
0.0 m (0.0 ft)	kg			*6700	6110	*6320	3380	*4640	2260	*2340	1860	6.89
	lb			*14770	13470	*13930	7450	*10230	4980	*5160	4100	(22.6)
-1.5 m (-4.9 ft)	kg	*4660	*4660	*8760	6070	*6000	3310	*4240	2230	*2800	2060	6.38
	lb	*10270	*10270	*19310	13380	*13230	7300	*9350	4920	*6170	4540	(20.9)
-3.0 m (-9.8 ft)	kg	*8720	*8720	*6790	6170	*4730	3350			*3410	2630	5.41
	lb	*19220	*19220	*14970	13600	*10430	7390			*7520	5800	(17.7)

Note 1. Lifting capacity are based on ISO 10567.

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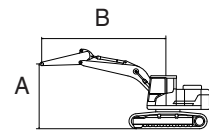
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2800	600	-	Up	-	-	-

·  : 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)	
7.5 m (24.6 ft)	kg			*4030	*4030					*2930	*2930	3.58
	lb			*8880	*8880					*6460	*6460	(11.7)
6.0 m (19.7 ft)	kg					*3800	*3800			*2260	*2260	5.39
	lb					*8380	*8380			*4980	*4980	(17.7)
4.5 m (14.8 ft)	kg			*3920	*3920	*4290	4010	*3290	2510	*2060	*2060	6.37
	lb			*8640	*8640	*9460	8840	*7250	5530	*4540	*4540	(20.9)
3.0 m (9.8 ft)	kg			*7140	*7140	*5120	3800	3840	2450	*2030	1950	6.89
	lb			*15740	*15740	*11290	8380	8470	5400	*4480	4300	(22.6)
1.5 m (4.9 ft)	kg			*8300	6430	5830	3560	3720	2350	*2120	1840	7.06
	lb			*18300	14180	12850	7850	8200	5180	*4670	4060	(23.1)
0.0 m (0.0 ft)	kg			*6700	6110	5630	3380	3630	2260	*2340	1860	6.89
	lb			*14770	13470	12410	7450	8000	4980	*5160	4100	(22.6)
-1.5 m (-4.9 ft)	kg	*4660	*4660	*8760	6070	5540	3310	3600	2230	*2800	2060	6.38
	lb	*10270	*10270	*19310	13380	12210	7300	7940	4920	*6170	4540	(20.9)
-3.0 m (-9.8 ft)	kg	*8720	*8720	*6790	6170	*4730	3350			*3410	2630	5.41
	lb	*19220	*19220	*14970	13600	*10430	7390			*7520	5800	(17.7)

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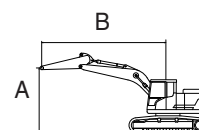
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	3300	600	-	Down	-	-	-

·  : 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)	
7.5 m (24.6 ft)	kg			*4030	*4030					*2930	*2930	3.58
	lb			*8880	*8880					*6460	*6460	(11.7)
6.0 m (19.7 ft)	kg					*3800	*3800			*2260	*2260	5.39
	lb					*8380	*8380			*4980	*4980	(17.7)
4.5 m (14.8 ft)	kg			*3920	*3920	*4290	4260	*3290	2690	*2060	*2060	6.37
	lb			*8640	*8640	*9460	9390	*7250	5930	*4540	*4540	(20.9)
3.0 m (9.8 ft)	kg			*7140	*7140	*5120	4060	*4250	2630	*2030	*2030	6.89
	lb			*15740	*15740	*11290	8950	*9370	5800	*4480	*4480	(22.6)
1.5 m (4.9 ft)	kg			*8300	6890	*5940	3810	*4540	2530	*2120	1980	7.06
	lb			*18300	15190	*13100	8400	*10010	5580	*4670	4370	(23.1)
0.0 m (0.0 ft)	kg			*6700	6570	*6320	3630	*4640	2440	*2340	2010	6.89
	lb			*14770	14480	*13930	8000	*10230	5380	*5160	4430	(22.6)
-1.5 m (-4.9 ft)	kg	*4660	*4660	*8760	6520	*6000	3560	*4240	2410	*2800	2230	6.38
	lb	*10270	*10270	*19310	14370	*13230	7850	*9350	5310	*6170	4920	(20.9)
-3.0 m (-9.8 ft)	kg	*8720	*8720	*6790	6620	*4730	3610			*3410	2830	5.41
	lb	*19220	*19220	*14970	14590	*10430	7960			*7520	6240	(17.7)

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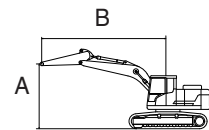
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	3300	600	-	Up	-	-	-

·  : 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)	
7.5 m (24.6 ft)	kg			*4030	*4030					*2930	*2930	3.58
	lb			*8880	*8880					*6460	*6460	(11.7)
6.0 m (19.7 ft)	kg					*3800	*3800			*2260	*2260	5.39
	lb					*8380	*8380			*4980	*4980	(17.7)
4.5 m (14.8 ft)	kg			*3920	*3920	*4290	4260	*3290	2690	*2060	*2060	6.37
	lb			*8640	*8640	*9460	9390	*7250	5930	*4540	*4540	(20.9)
3.0 m (9.8 ft)	kg			*7140	*7140	*5120	4060	4080	2630	*2030	*2030	6.89
	lb			*15740	*15740	*11290	8950	8990	5800	*4480	*4480	(22.6)
1.5 m (4.9 ft)	kg			*8300	6890	*5940	3810	3960	2530	*2120	1980	7.06
	lb			*18300	15190	*13100	8400	8730	5580	*4670	4370	(23.1)
0.0 m (0.0 ft)	kg			*6700	6570	5990	3630	3870	2440	*2340	2010	6.89
	lb			*14770	14480	13210	8000	8530	5380	*5160	4430	(22.6)
-1.5 m (-4.9 ft)	kg	*4660	*4660	*8760	6520	5910	3560	3840	2410	*2800	2230	6.38
	lb	*10270	*10270	*19310	14370	13030	7850	8470	5310	*6170	4920	(20.9)
-3.0 m (-9.8 ft)	kg	*8720	*8720	*6790	6620	*4730	3610			*3410	2830	5.41
	lb	*19220	*19220	*14970	14590	*10430	7960			*7520	6240	(17.7)

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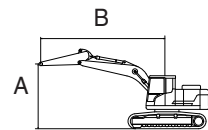
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2800	600	-	Down	-	-	-



: 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													*2310 *5090	*2310 *5090	4.43 (14.5)
6.0 m (19.7 ft)	kg lb					*3270 *7210	*3270 *7210							*1900 *4190	*1900 *4190	5.98 (19.6)
4.5 m (14.8 ft)	kg lb					*3440 *7580	*3440 *7580	*3210 *7080	2560 5640					*1760 *3880	*1760 *3880	6.88 (22.6)
3.0 m (9.8 ft)	kg lb			*5080 *11200	*5080 *11200	*4580 *10100	3880 8550	*3940 *8690	2480 5470					*1740 *3840	*1740 *3840	7.36 (24.2)
1.5 m (4.9 ft)	kg lb			*8710 *19200	6630 14620	*5650 *12460	3610 7960	*4380 *9660	2370 5220	*1910 *4210	1670 3680			*1810 *3990	1660 3660	7.52 (24.7)
0.0 m (0.0 ft)	kg lb			*7520 *16580	6170 13600	*6230 *13730	3400 7500	*4600 *10140	2260 4980					*1990 *4390	1680 3700	7.37 (24.2)
-1.5 m (-4.9 ft)	kg lb	*4220 *9300	*4220 *9300	*9240 *20370	6040 13320	*6170 *13600	3290 7250	*4450 *9810	2210 4870					*2340 *5160	1830 4030	6.89 (22.6)
-3.0 m (-9.8 ft)	kg lb	*7330 *16160	*7330 *16160	*7660 *16890	6090 13430	*5270 *11620	3300 7280	*3120 *6880	2240 4940					*3100 *6830	2240 4940	6.00 (19.7)
-4.5 m (-14.8 ft)	kg lb			*4550 *10030	*4550 *10030									*2630 *5800	*2630 *5800	4.47 (14.7)

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.

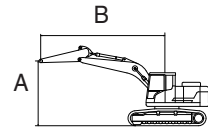
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2800	600	-	Up	-	-	-



: 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											*2310 *5090	*2310 *5090	4.43 (14.5)
6.0 m (19.7 ft)	kg lb					*3270 *7210	*3270 *7210					*1900 *4190	*1900 *4190	5.98 (19.6)
4.5 m (14.8 ft)	kg lb					*3440 *7580	*3440 *7580	*3210 *7080	2560 5640			*1760 *3880	*1760 *3880	6.88 (22.6)
3.0 m (9.8 ft)	kg lb			*5080 *11200	*5080 *11200	*4580 *10100	3880 8550	3880 8550	2480 5470			*1740 *3840	*1740 *3840	7.36 (24.2)
1.5 m (4.9 ft)	kg lb			*8710 *19200	6630 14620	*5650 *12460	3610 7960	3750 8270	2370 5220	*1910 *4210	1670 3680	*1810 *3990	1660 3660	7.52 (24.7)
0.0 m (0.0 ft)	kg lb			*7520 *16580	6170 13600	5660 12480	3400 7500	3640 8020	2260 4980			*1990 *4390	1680 3700	7.37 (24.2)
-1.5 m (-4.9 ft)	kg lb	*4220 *9300	*4220 *9300	*9240 *20370	6040 13320	5530 12190	3290 7250	3570 7870	2210 4870			*2340 *5160	1830 4030	6.89 (22.6)
-3.0 m (-9.8 ft)	kg lb	*7330 *16160	*7330 *16160	*7660 *16890	6090 13430	*5270 *11620	3300 7280	*3120 *6880	2240 4940			*3100 *6830	2240 4940	6.00 (19.7)
-4.5 m (-14.8 ft)	kg lb			*4550 *10030	*4550 *10030							*2630 *5800	*2630 *5800	4.47 (14.7)

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.

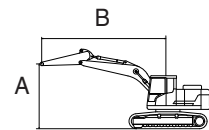
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.















▲ 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	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	3300	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																	*2310 *5090	*2310 *5090	4.43 (14.5)
6.0 m (19.7 ft)	kg lb					*3270 *7210	*3270 *7210											*1900 *4190	*1900 *4190	5.98 (19.6)
4.5 m (14.8 ft)	kg lb					*3440 *7580	*3440 *7580	*3210 *7080	2740 6040									*1760 *3880	*1760 *3880	6.88 (22.6)
3.0 m (9.8 ft)	kg lb			*5080 *11200	*5080 *11200	*4580 *10100	4140 9130	*3940 *8690	2660 5860									*1740 *3840	*1740 *3840	7.36 (24.2)
1.5 m (4.9 ft)	kg lb			*8710 *19200	7090 15630	*5650 *12460	3870 8530	*4380 *9660	2550 5620	*1910 *4210	1810 3990							*1810 *3990	1800 3970	7.52 (24.7)
0.0 m (0.0 ft)	kg lb			*7520 *16580	6620 14590	*6230 *13730	3660 8070	*4600 *10140	2440 5380									*1990 *4390	1820 4010	7.37 (24.2)
-1.5 m (-4.9 ft)	kg lb	*4220 *9300	*4220 *9300	*9240 *20370	6490 14310	*6170 *13600	3550 7830	*4450 *9810	2390 5270									*2340 *5160	1990 4390	6.89 (22.6)
-3.0 m (-9.8 ft)	kg lb	*7330 *16160	*7330 *16160	*7660 *16890	6540 14420	*5270 *11620	3550 7830	*3120 *6880	2420 5340									*3100 *6830	2420 5340	6.00 (19.7)
-4.5 m (-14.8 ft)	kg lb			*4550 *10030	*4550 *10030													*2630 *5800	*2630 *5800	4.47 (14.7)

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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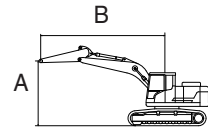
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	3300	600	-	Up	-	-	-



: 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																	
6.0 m (19.7 ft)	kg lb					*3270 *7210	*3270 *7210							*1900 *4190	*1900 *4190		4.43 (14.5)	5.98 (19.6)
4.5 m (14.8 ft)	kg lb					*3440 *7580	*3440 *7580	*3210 *7080	2740 6040					*1760 *3880	*1760 *3880		6.88 (22.6)	7.36 (24.2)
3.0 m (9.8 ft)	kg lb			*5080 *11200	*5080 *11200	*4580 *10100	4140 9130	*3940 *8690	2660 5860					*1740 *3840	*1740 *3840		7.52 (24.7)	7.36 (24.2)
1.5 m (4.9 ft)	kg lb			*8710 *19200	7090 15630	*5650 *12460	3870 8530	3990 8800	2550 5620	*1910 *4210	1810 3990			*1810 *3990	1800 3970		7.52 (24.7)	7.52 (24.7)
0.0 m (0.0 ft)	kg lb			*7520 *16580	6620 14590	6020 13270	3660 8070	3880 8550	2440 5380					*1990 *4390	1820 4010		7.37 (24.2)	7.37 (24.2)
-1.5 m (-4.9 ft)	kg lb	*4220 *9300	*4220 *9300	*9240 *20370	6490 14310	5890 12990	3550 7830	3810 8400	2390 5270					*2340 *5160	1990 4390		6.89 (22.6)	6.89 (22.6)
-3.0 m (-9.8 ft)	kg lb	*7330 *16160	*7330 *16160	*7660 *16890	6540 14420	*5270 *11620	3550 7830	*3120 *6880	2420 5340					*3100 *6830	2420 5340		6.00 (19.7)	6.00 (19.7)
-4.5 m (-14.8 ft)	kg lb			*4550 *10030	*4550 *10030									*2630 *5800	*2630 *5800		4.47 (14.7)	4.47 (14.7)

Note 1. Lifting capacity are based on ISO 10567.

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

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

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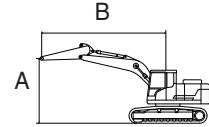
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


4) HX145A LCRD 2-PIECE BOOM

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR	2-PIECE BOOM	4939	2100	2800	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)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg *5010	kg *5010					*4600	*4600	3.52	
	lb *11050	lb *11050					*10140	*10140	(11.5)	
6.0 m (19.7 ft)	kg		*4150	4060			*3580	3020	5.35	
	lb		*9150	8950			*7890	6660	(17.5)	
4.5 m (14.8 ft)	kg	*5230	*5230	*4430	3960	*3970	2500	*3290	2270	6.33
	lb	*11530	*11530	*9770	8730	*8750	5510	*7250	5000	(20.8)
3.0 m (9.8 ft)	kg			*5190	3720	*4180	2420	*3250	1950	6.86
	lb			*11440	8200	*9220	5340	*7170	4300	(22.5)
1.5 m (4.9 ft)	kg			*5940	3470	*4470	2320	*3390	1840	7.03
	lb			*13100	7650	*9850	5110	*7470	4060	(23.1)
0.0 m (0.0 ft)	kg			*6230	3320	*4570	2240	*3740	1870	6.86
	lb			*13730	7320	*10080	4940	*8250	4120	(22.5)
-1.5 m (-4.9 ft)	kg	*7730	6050	*5890	3280	*4230	2220	*3810	2070	6.35
	lb	*17040	13340	*12990	7230	*9330	4890	*8400	4560	(20.8)
-3.0 m (-9.8 ft)	kg			*4710	3350					
	lb			*10380	7390					

Note 1. Lifting capacity are based on ISO 10567.

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

4. *Indicates load limited by hydraulic capacity.

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

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

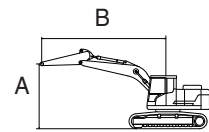
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


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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR	2-PIECE BOOM	4939	2100	2800	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)		Capacity		Reach
										m (ft)
7.5 m (24.6 ft)	kg lb	*5010 *11050	*5010 *11050					*4600 *10140	*4600 *10140	3.52 (11.5)
6.0 m (19.7 ft)	kg lb			*4150 *9150	4060 8950			*3580 *7890	3020 6660	5.35 (17.5)
4.5 m (14.8 ft)	kg lb	*5230 *11530	*5230 *11530	*4430 *9770	3960 8730	3920 8640	2500 5510	*3290 *7250	2270 5000	6.33 (20.8)
3.0 m (9.8 ft)	kg lb			*5190 *11440	3720 8200	3830 8440	2420 5340	3090 6810	1950 4300	6.86 (22.5)
1.5 m (4.9 ft)	kg lb			5770 12720	3470 7650	3720 8200	2320 5110	2930 6460	1840 4060	7.03 (23.1)
0.0 m (0.0 ft)	kg lb			5590 12320	3320 7320	3630 8000	2240 4940	2990 6590	1870 4120	6.86 (22.5)
-1.5 m (-4.9 ft)	kg lb	*7730 *17040	6050 13340	5550 12240	3280 7230	3610 7960	2220 4890	3350 7390	2070 4560	6.35 (20.8)
-3.0 m (-9.8 ft)	kg lb			*4710 *10380	3350 7390					

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.

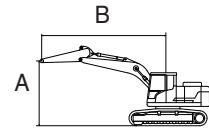
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


▲ 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	
HX145A LCR	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4939	2100	3300	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)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg lb	*5010 *11050	*5010 *11050					*4600 *10140	*4600 *10140	3.52 (11.5)
6.0 m (19.7 ft)	kg lb			*4150 *9150	*4150 *9150			*3580 *7890	3230 7120	5.35 (17.5)
4.5 m (14.8 ft)	kg lb	*5230 *11530	*5230 *11530	*4430 *9770	4220 9300	*3970 *8750	2680 5910	*3290 *7250	2440 5380	6.33 (20.8)
3.0 m (9.8 ft)	kg lb			*5190 *11440	3980 8770	*4180 *9220	2600 5730	*3250 *7170	2110 4650	6.86 (22.5)
1.5 m (4.9 ft)	kg lb			*5940 *13100	3730 8220	*4470 *9850	2500 5510	*3390 *7470	1980 4370	7.03 (23.1)
0.0 m (0.0 ft)	kg lb			*6230 *13730	3580 7890	*4570 *10080	2420 5340	*3740 *8250	2020 4450	6.86 (22.5)
-1.5 m (-4.9 ft)	kg lb	*7730 *17040	6510 14350	*5890 *12990	3540 7800	*4230 *9330	2400 5290	*3810 *8400	2240 4940	6.35 (20.8)
-3.0 m (-9.8 ft)	kg lb			*4710 *10380	3610 7960					

Note 1. Lifting capacity are based on ISO 10567.

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4. *Indicates load limited by hydraulic capacity.

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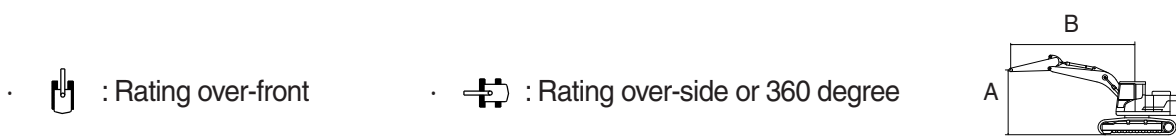
Lifting capacities will vary with different work tools, ground conditions and attachments.









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

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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4939	2100	3300	600	-	Up	-	-	-



Lift-point height (A)	Lift-point radius (B)						At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg lb	*5010 *11050	*5010 *11050					*4600 *10140	*4600 *10140	3.52 (11.5)
6.0 m (19.7 ft)	kg lb			*4150 *9150	*4150 *9150			*3580 *7890	3230 7120	5.35 (17.5)
4.5 m (14.8 ft)	kg lb	*5230 *11530	*5230 *11530	*4430 *9770	4220 9300	*3970 *8750	2680 5910	*3290 *7250	2440 5380	6.33 (20.8)
3.0 m (9.8 ft)	kg lb			*5190 *11440	3980 8770	4070 8970	2600 5730	*3250 *7170	2110 4650	6.86 (22.5)
1.5 m (4.9 ft)	kg lb			*5940 *13100	3730 8220	3960 8730	2500 5510	3120 6880	1980 4370	7.03 (23.1)
0.0 m (0.0 ft)	kg lb			5950 13120	3580 7890	3870 8530	2420 5340	3200 7050	2020 4450	6.86 (22.5)
-1.5 m (-4.9 ft)	kg lb	*7730 *17040	6510 14350	*5890 *12990	3540 7800	3850 8490	2400 5290	3570 7870	2240 4940	6.35 (20.8)
-3.0 m (-9.8 ft)	kg lb			*4710 *10380	3610 7960					

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

※ Lifting capacities are based upon a standard machine conditions.

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

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

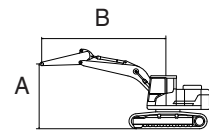
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









▲ 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
HX145A LCR	2-PIECE BOOM	4939	2500	2800	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)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg						*3070	*3070	4.28	
	lb						*6770	*6770	(14.0)	
6.0 m (19.7 ft)	kg		*3770	*3770			*2480	*2480	5.87	
	lb		*8310	*8310			*5470	*5470	(19.3)	
4.5 m (14.8 ft)	kg	*3760	*3760	*4090	4010	*3700	2520	*2280	2030	6.78
	lb	*8290	*8290	*9020	8840	*8160	5560	*5030	4480	(22.3)
3.0 m (9.8 ft)	kg	*7110	7020	*4880	3760	*3980	2430	*2240	1770	7.27
	lb	*15670	15480	*10760	8290	*8770	5360	*4940	3900	(23.9)
1.5 m (4.9 ft)	kg			*5720	3490	*4330	2310	*2320	1670	7.43
	lb			*12610	7690	*9550	5090	*5110	3680	(24.4)
0.0 m (0.0 ft)	kg	*3870	*3870	*6150	3300	*4520	2220	*2520	1690	7.28
	lb	*8530	*8530	*13560	7280	*9960	4890	*5560	3730	(23.9)
-1.5 m (-4.9 ft)	kg	*7060	5950	*5990	3230	*4350	2180	*2930	1850	6.79
	lb	*15560	13120	*13210	7120	*9590	4810	*6460	4080	(22.3)
-3.0 m (-9.8 ft)	kg	*7150	6060	*5090	3270					
	lb	*15760	13360	*11220	7210					

Note 1. Lifting capacity are based on ISO 10567.

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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

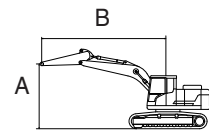
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR	2-PIECE BOOM	4939	2500	2800	600	-	Up	-	-	-

·  : 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)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg						*3070	*3070	4.28	
	lb						*6770	*6770	(14.0)	
6.0 m (19.7 ft)	kg		*3770	*3770			*2480	*2480	5.87	
	lb		*8310	*8310			*5470	*5470	(19.3)	
4.5 m (14.8 ft)	kg	*3760	*3760	*4090	4010	*3700	2520	*2280	2030	6.78
	lb	*8290	*8290	*9020	8840	*8160	5560	*5030	4480	(22.3)
3.0 m (9.8 ft)	kg	*7110	7020	*4880	3760	3840	2430	*2240	1770	7.27
	lb	*15670	15480	*10760	8290	8470	5360	*4940	3900	(23.9)
1.5 m (4.9 ft)	kg			*5720	3490	3710	2310	*2320	1670	7.43
	lb			*12610	7690	8180	5090	*5110	3680	(24.4)
0.0 m (0.0 ft)	kg	*3870	*3870	5580	3300	3610	2220	*2520	1690	7.28
	lb	*8530	*8530	12300	7280	7960	4890	*5560	3730	(23.9)
-1.5 m (-4.9 ft)	kg	*7060	5950	5500	3230	3560	2180	*2930	1850	6.79
	lb	*15560	13120	12130	7120	7850	4810	*6460	4080	(22.3)
-3.0 m (-9.8 ft)	kg	*7150	6060	*5090	3270					
	lb	*15760	13360	*11220	7210					

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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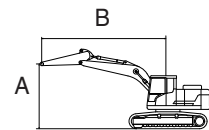
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR	2-PIECE BOOM	4939	2500	3300	600	-	Down	-	-	-

·  : 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)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg lb						*3070 *6770	*3070 *6770	4.28 (14.0)	
6.0 m (19.7 ft)	kg lb		*3770 *8310	*3770 *8310			*2480 *5470	*2480 *5470	5.87 (19.3)	
4.5 m (14.8 ft)	kg lb	*3760 *8290	*3760 *8290	*4090 *9020	*4090 *9020	*3700 8160	2700 5950	*2280 5030	2180 4810	6.78 (22.3)
3.0 m (9.8 ft)	kg lb	*7110 *15670	*7110 *15670	*4880 *10760	4020 8860	*3980 *8770	2610 5750	*2240 *4940	1910 4210	7.27 (23.9)
1.5 m (4.9 ft)	kg lb			*5720 *12610	3740 8250	*4330 *9550	2490 5490	*2320 *5110	1810 3990	7.43 (24.4)
0.0 m (0.0 ft)	kg lb	*3870 *8530	*3870 *8530	*6150 *13560	3560 7850	*4520 *9960	2390 5270	*2520 *5560	1830 4030	7.28 (23.9)
-1.5 m (-4.9 ft)	kg lb	*7060 *15560	6410 14130	*5990 *13210	3490 7690	*4350 *9590	2360 5200	*2930 *6460	2010 4430	6.79 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7150 *15760	6520 14370	*5090 *11220	3530 7780					

Note 1. Lifting capacity are based on ISO 10567.

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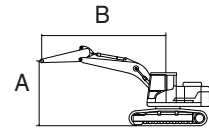
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









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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
HX145A LCR	2-PIECE BOOM	4939	2500	3300	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)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg						*3070	*3070	4.28	
	lb						*6770	*6770	(14.0)	
6.0 m (19.7 ft)	kg		*3770	*3770			*2480	*2480	5.87	
	lb		*8310	*8310			*5470	*5470	(19.3)	
4.5 m (14.8 ft)	kg	*3760	*3760	*4090	*4090	*3700	2700	*2280	2180	6.78
	lb	*8290	*8290	*9020	*9020	*8160	5950	*5030	4810	(22.3)
3.0 m (9.8 ft)	kg	*7110	*7110	*4880	4020	*3980	2610	*2240	1910	7.27
	lb	*15670	*15670	*10760	8860	*8770	5750	*4940	4210	(23.9)
1.5 m (4.9 ft)	kg			*5720	3740	3950	2490	*2320	1810	7.43
	lb			*12610	8250	8710	5490	*5110	3990	(24.4)
0.0 m (0.0 ft)	kg	*3870	*3870	5940	3560	3850	2390	*2520	1830	7.28
	lb	*8530	*8530	13100	7850	8490	5270	*5560	4030	(23.9)
-1.5 m (-4.9 ft)	kg	*7060	6410	5860	3490	3800	2360	*2930	2010	6.79
	lb	*15560	14130	12920	7690	8380	5200	*6460	4430	(22.3)
-3.0 m (-9.8 ft)	kg	*7150	6520	*5090	3530					
	lb	*15760	14370	*11220	7780					

Note 1. Lifting capacity are based on ISO 10567.

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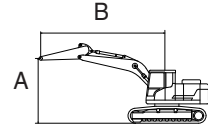
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


5) HX145A LCR HW, MONO BOOM

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR HW	MONO BOOM	4100	1900	2800	800	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)						At max. reach			
	1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		Capacity		Reach	
									m (ft)	
6.0 m (19.7 ft)	kg			*5750	*5750			*2930	*2930	4.11
	lb			*12680	*12680			*6460	*6460	(13.5)
4.5 m (14.8 ft)	kg			*6360	*6360	*5340	4520	*2590	*2590	5.27
	lb			*14020	*14020	*11770	9960	*5710	*5710	(17.3)
3.0 m (9.8 ft)	kg			*8350	8140	*5880	4370	*2570	*2570	5.82
	lb			*18410	17950	*12960	9630	*5670	*5670	(19.1)
1.5 m (4.9 ft)	kg					*6430	4180	*2750	*2750	5.96
	lb					*14180	9220	*6060	*6060	(19.5)
0.0 m (0.0 ft)	kg			*9540	7380	*6370	4060	*3210	2950	5.70
	lb			*21030	16270	*14040	8950	*7080	6500	(18.7)
-1.5 m (-4.9 ft)	kg	*9970	*9970	*7710	7400	*5200	4050	*4290	3550	4.98
	lb	*21980	*21980	*17000	16310	*11460	8930	*9460	7830	(16.3)
-3.0 m (-9.8 ft)	kg			*4710	3350					
	lb			*10380	7390					

Note 1. Lifting capacity are based on ISO 10567.

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4. *Indicates load limited by hydraulic capacity.

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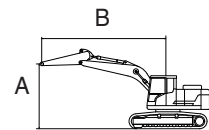
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


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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4100	1900	3300	800	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		Capacity		Reach
										m (ft)
6.0 m (19.7 ft)	kg lb			*5750 *12680	*5750 *12680			*2930 *6460	*2930 *6460	4.11 (13.5)
4.5 m (14.8 ft)	kg lb			*6360 *14020	*6360 *14020	*5340 *11770	4780 10540	*2590 *5710	*2590 *5710	5.27 (17.3)
3.0 m (9.8 ft)	kg lb			*8350 *18410	*8350 *18410	*5880 *12960	4630 10210	*2570 *5670	*2570 *5670	5.82 (19.1)
1.5 m (4.9 ft)	kg lb					*6430 *14180	4440 9790	*2750 *6060	*2750 *6060	5.96 (19.5)
0.0 m (0.0 ft)	kg lb			*9540 *21030	7850 17310	*6370 *14040	4320 9520	*3210 *7080	3140 6920	5.70 (18.7)
-1.5 m (-4.9 ft)	kg lb	*9970 *21980	*9970 *21980	*7710 *17000	*7710 *17000	*5200 *11460	4320 9520	*4290 *9460	3770 8310	4.98 (16.3)

Note 1. Lifting capacity are based on ISO 10567.

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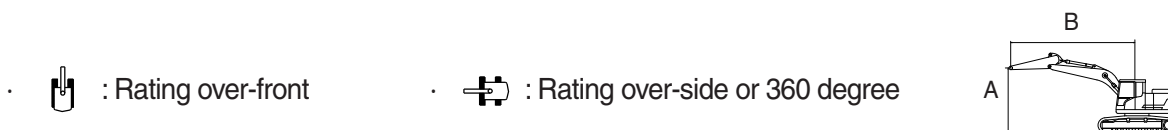
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR HW	MONO BOOM	4600	2100	2800	800	-	-	-	-	-



Lift-point height (A)	Lift-point radius (B)								At max. reach			
	1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach	
											m (ft)	
7.5 m (24.6 ft)	kg			*4760	*4760					*4240	*4240	3.18
	lb			*10490	*10490					*9350	*9350	(10.4)
6.0 m (19.7 ft)	kg			*4930	*4930	*4630	4590			*3290	*3290	5.06
	lb			*10870	*10870	*10210	10120			*7250	*7250	(16.6)
4.5 m (14.8 ft)	kg			*5680	*5680	*4850	4510	*3260	2870	*3050	2840	6.03
	lb			*12520	*12520	*10690	9940	*7190	6330	*6720	6260	(19.8)
3.0 m (9.8 ft)	kg					*5570	4300	4420	2820	*3060	2480	6.52
	lb					*12280	9480	9740	6220	*6750	5470	(21.4)
1.5 m (4.9 ft)	kg					*6230	4080	4320	2730	*3260	2360	6.64
	lb					*13730	8990	9520	6020	*7190	5200	(21.8)
0.0 m (0.0 ft)	kg			*6820	*6820	*6330	3950	4260	2670	*3710	2450	6.41
	lb			*15040	*15040	*13960	8710	9390	5890	*8180	5400	(21.0)
-1.5 m (-4.9 ft)	kg	*5990	*5990	*7990	7210	*5660	3930			*3960	2810	5.79
	lb	*13210	*13210	*17610	15900	*12480	8660			*8730	6190	(19.0)
-3.0 m (-9.8 ft)	kg			*5470	*5470	*3570	*3570			*3360	*3360	4.61
	lb			*12060	*12060	*7870	*7870			*7410	*7410	(15.1)

- Note
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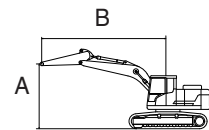
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





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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2100	3300	800	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												
7.5 m (24.6 ft)	kg lb			*4760 *10490	*4760 *10490					*4240 *9350	*4240 *9350	3.18 (10.4)
6.0 m (19.7 ft)	kg lb			*4930 *10870	*4930 *10870	*4630 *10210	*4630 *10210			*3290 *7250	*3290 *7250	5.06 (16.6)
4.5 m (14.8 ft)	kg lb			*5680 *12520	*5680 *12520	*4850 *10690	4770 10520	*3260 *7190	3050 6720	*3050 *6720	3030 6680	6.03 (19.8)
3.0 m (9.8 ft)	kg lb					*5570 *12280	4560 10050	*4490 *9900	3000 6610	*3060 *6750	2640 5820	6.52 (21.4)
1.5 m (4.9 ft)	kg lb					*6230 *13730	4340 9570	4560 10050	2910 6420	*3260 *7190	2520 5560	6.64 (21.8)
0.0 m (0.0 ft)	kg lb			*6820 *15040	*6820 *15040	*6330 *13960	4210 9280	4490 9900	2850 6280	*3710 *8180	2610 5750	6.41 (21.0)
-1.5 m (-4.9 ft)	kg lb	*5990 *13210	*5990 *13210	*7990 *17610	7680 16930	*5660 *12480	4190 9240			*3960 *8730	3000 6610	5.79 (19.0)
-3.0 m (-9.8 ft)	kg lb			*5470 *12060	*5470 *12060	*3570 *7870	*3570 *7870			*3360 *7410	*3360 *7410	4.61 (15.1)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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

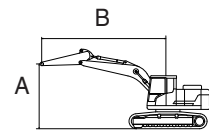
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.












▲ 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	
HX145A LCR HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2800	800	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												
7.5 m (24.6 ft)	kg lb									*2740 *6040	*2740 *6040	3.98 (13.1)
6.0 m (19.7 ft)	kg lb					*3890 *8580	*3890 *8580			*2210 *4870	*2210 *4870	5.59 (18.3)
4.5 m (14.8 ft)	kg lb			*4110 *9060	*4110 *9060	*4440 *9790	*4440 *9790	*3530 *7780	2900 6390	*2050 *4520	*2050 *4520	6.48 (21.3)
3.0 m (9.8 ft)	kg lb			*7560 *16670	*7560 *16670	*5270 *11620	4330 9550	*4300 *9480	2820 6220	*2040 *4500	*2040 *4500	6.94 (22.8)
1.5 m (4.9 ft)	kg lb			*7200 *15870	*7200 *15870	*6040 *13320	4090 9020	4320 9520	2720 6000	*2140 *4720	*2140 *4720	7.05 (23.1)
0.0 m (0.0 ft)	kg lb			*7050 *15540	*7050 *15540	*6320 *13930	3930 8660	4230 9330	2640 5820	*2390 *5270	*2210 4870	6.84 (22.4)
-1.5 m (-4.9 ft)	kg lb	*5250 *11570	*5250 *11570	*8510 *18760	7120 15700	*5870 *12940	3870 8530	*4080 *8990	2630 5800	*2920 *6440	2490 5490	6.25 (20.5)
-3.0 m (-9.8 ft)	kg lb	*8900 *19620	*8900 *19620	*6330 *13960	*6330 *13960	*4360 *9610	3940 8690			*3300 *7280	3270 7210	5.19 (17.0)

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.

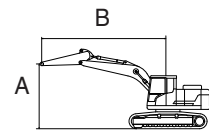
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.












▲ 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	
HX145A LCR HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	3300	800	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												
7.5 m (24.6 ft)	kg lb									*2740 *6040	*2740 *6040	3.98 (13.1)
6.0 m (19.7 ft)	kg lb					*3890 *8580	*3890 *8580			*2210 *4870	*2210 *4870	5.59 (18.3)
4.5 m (14.8 ft)	kg lb			*4110 *9060	*4110 *9060	*4440 *9790	*4440 *9790	*3530 *7780	3080 6790	*2050 *4520	*2050 *4520	6.48 (21.3)
3.0 m (9.8 ft)	kg lb			*7560 *16670	*7560 *16670	*5270 *11620	4600 10140	*4300 *9480	3000 6610	*2040 *4500	*2040 *4500	6.94 (22.8)
1.5 m (4.9 ft)	kg lb			*7200 *15870	*7200 *15870	*6040 *13320	4350 9590	4550 10030	2900 6390	*2140 *4720	*2140 *4720	7.05 (23.1)
0.0 m (0.0 ft)	kg lb			*7050 *15540	*7050 *15540	*6320 *13930	4190 9240	4470 9850	2820 6220	*2390 *5270	*2370 5220	6.84 (22.4)
-1.5 m (-4.9 ft)	kg lb	*5250 *11570	*5250 *11570	*8510 *18760	7590 16730	*5870 *12940	4140 9130	*4080 *8990	2810 6190	*2920 *6440	2670 5890	6.25 (20.5)
-3.0 m (-9.8 ft)	kg lb	*8900 *19620	*8900 *19620	*6330 *13960	*6330 *13960	*4360 *9610	4200 9260			*3300 *7280	*3300 *7280	5.19 (17.0)

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.

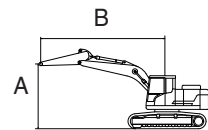
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2800	800	-	-	-	-	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)										At max. reach			
	1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach	
													m (ft)	
7.5 m (24.6 ft)	kg					*2750	*2750					*2200	*2200	4.76
	lb					*6060	*6060					*4850	*4850	(15.6)
6.0 m (19.7 ft)	kg					*3280	*3280	*2330	*2330			*1860	*1860	6.17
	lb					*7230	*7230	*5140	*5140			*4100	*4100	(20.2)
4.5 m (14.8 ft)	kg					*3530	*3530	*3320	2940			*1750	*1750	6.98
	lb					*7780	*7780	*7320	6480			*3860	*3860	(22.9)
3.0 m (9.8 ft)	kg			*6650	*6650	*4880	4410	*4070	2850			*1750	*1750	7.41
	lb			*14660	*14660	*10760	9720	*8970	6280			*3860	*3860	(24.3)
1.5 m (4.9 ft)	kg			*9010	7580	*5780	4140	4340	2740	*1910	*1910	*1830	*1830	7.51
	lb			*19860	16710	*12740	9130	9570	6040	*4210	*4210	*4030	*4030	(24.7)
0.0 m (0.0 ft)	kg			*7570	7180	*6270	3940	4230	2640			*2030	2000	7.31
	lb			*16690	15830	*13820	8690	9330	5820			*4480	4410	(24.0)
-1.5 m (-4.9 ft)	kg	*4670	*4670	*9050	7080	*6080	3850	4180	2600			*2430	2210	6.77
	lb	*10300	*10300	*19950	15610	*13400	8490	9220	5730			*5360	4870	(22.2)
-3.0 m (-9.8 ft)	kg	*7980	*7980	*7280	7160	*5010	3880					*3290	2760	5.80
	lb	*17590	*17590	*16050	15790	*11050	8550					*7250	6080	(19.0)
-4.5 m (-14.8 ft)	kg			*4550	*4550							*2630	*2630	4.47
	lb			*10030	*10030							*5800	*5800	(14.7)

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.

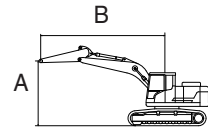
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	3300	800	-	-	-	-	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb					*2750 *6060	*2750 *6060					*2200 *4850	*2200 *4850	4.76 (15.6)
6.0 m (19.7 ft)	kg lb					*3280 *7230	*3280 *7230	*2330 *5140	*2330 *5140			*1860 *4100	*1860 *4100	6.17 (20.2)
4.5 m (14.8 ft)	kg lb					*3530 *7780	*3530 *7780	*3320 *7320	3130 6900			*1750 *3860	*1750 *3860	6.98 (22.9)
3.0 m (9.8 ft)	kg lb			*6650 *14660	*6650 *14660	*4880 *10760	4670 10300	*4070 *8970	3030 6680			*1750 *3860	*1750 *3860	7.41 (24.3)
1.5 m (4.9 ft)	kg lb			*9010 *19860	8050 17750	*5780 *12740	4400 9700	*4430 *9770	2920 6440	*1910 *4210	*1910 *4210	*1830 *4030	*1830 *4030	7.51 (24.7)
0.0 m (0.0 ft)	kg lb			*7570 *16690	*7570 *16690	*6270 *13820	4200 9260	4470 9850	2820 6220			*2030 *4480	*2030 *4480	7.31 (24.0)
-1.5 m (-4.9 ft)	kg lb	*4670 *10300	*4670 *10300	*9050 *19950	7550 16640	*6080 *13400	4120 9080	*4360 *9610	2780 6130			*2430 *5360	2370 5220	6.77 (22.2)
-3.0 m (-9.8 ft)	kg lb	*7980 *17590	*7980 *17590	*7280 *16050	*7280 *16050	*5010 *11050	4140 9130					*3290 *7250	2950 6500	5.80 (19.0)
-4.5 m (-14.8 ft)	kg lb			*4550 *10030	*4550 *10030							*2630 *5800	*2630 *5800	4.47 (14.7)

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.

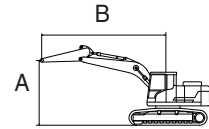
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


6) HX145A LCR HW, 2-PIECE BOOM

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX145A LCR HW	2-PIECE BOOM	4939	2100	2800	800	-	-	-	-	-

·  : 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)		Capacity		Reach
										m (ft)
7.5 m (24.6 ft)	kg	*4780	*4780					*4310	*4310	3.93
	lb	*10540	*10540					*9500	*9500	(12.9)
6.0 m (19.7 ft)	kg	*4580	*4580	*4150	*4150			*3510	3270	5.55
	lb	*10100	*10100	*9150	*9150			*7740	7210	(18.2)
4.5 m (14.8 ft)	kg	*5830	*5830	*4530	4500	*3980	2880	*3270	2550	6.45
	lb	*12850	*12850	*9990	9920	*8770	6350	*7210	5620	(21.2)
3.0 m (9.8 ft)	kg			*5330	4250	*4230	2800	*3260	2250	6.91
	lb			*11750	9370	*9330	6170	*7190	4960	(22.7)
1.5 m (4.9 ft)	kg			*6030	4010	4310	2690	3420	2150	7.02
	lb			*13290	8840	9500	5930	7540	4740	(23.0)
0.0 m (0.0 ft)	kg			*6220	3870	4230	2620	3550	2220	6.80
	lb			*13710	8530	9330	5780	7830	4890	(22.3)
-1.5 m (-4.9 ft)	kg	*8030	7120	*5760	3850	*4080	2620	*3780	2510	6.22
	lb	*17700	15700	*12700	8490	*8990	5780	*8330	5530	(20.4)

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.

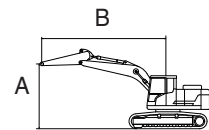
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









▲ 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
HX145A LCR HW	2-PIECE BOOM	4939	2100	3300	800	-	-	-	-	-

·  : 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)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg *4780	kg *4780					*4310	*4310	3.93	
	lb *10540	lb *10540					*9500	*9500	(12.9)	
6.0 m (19.7 ft)	kg *4580	kg *4580	*4150	*4150			*3510	3470	5.55	
	lb *10100	lb *10100	*9150	*9150			*7740	7650	(18.2)	
4.5 m (14.8 ft)	kg *5830	kg *5830	*4530	*4530	*3980	3070	*3270	2720	6.45	
	lb *12850	lb *12850	*9990	*9990	*8770	6770	*7210	6000	(21.2)	
3.0 m (9.8 ft)	kg		*5330	4510	*4230	2980	*3260	2400	6.91	
	lb		*11750	9940	*9330	6570	*7190	5290	(22.7)	
1.5 m (4.9 ft)	kg		*6030	4270	*4500	2880	*3430	2300	7.02	
	lb		*13290	9410	*9920	6350	*7560	5070	(23.0)	
0.0 m (0.0 ft)	kg		*6220	4140	4460	2810	3750	2380	6.80	
	lb		*13710	9130	9830	6190	8270	5250	(22.3)	
-1.5 m (-4.9 ft)	kg *8030	7590	*5760	4120	*4080	2800	*3780	2680	6.22	
	lb *17700	16730	*12700	9080	*8990	6170	*8330	5910	(20.4)	

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.

※ Lifting capacities are based upon a standard machine conditions.

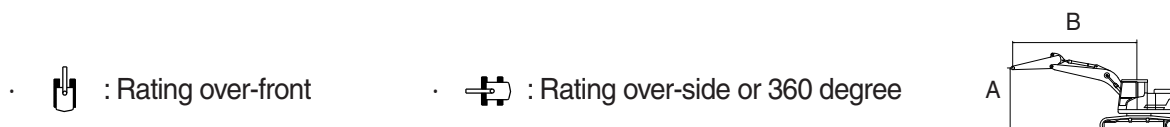
Lifting capacities will vary with different work tools, ground conditions and attachments.









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
HX145A LCR HW	2-PIECE BOOM	4939	2500	2800	800	-	-	-	-	-



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)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg			*3310	*3310			*2920	*2920	4.62
	lb			*7300	*7300			*6440	*6440	(15.2)
6.0 m (19.7 ft)	kg			*3780	*3780	*2710	*2710	*2430	*2430	6.06
	lb			*8330	*8330	*5970	*5970	*5360	*5360	(19.9)
4.5 m (14.8 ft)	kg	*4040	*4040	*4200	*4200	*3730	2900	*2270	*2270	6.89
	lb	*8910	*8910	*9260	*9260	*8220	6390	*5000	*5000	(22.6)
3.0 m (9.8 ft)	kg			*5030	4290	*4040	2800	*2250	2050	7.32
	lb			*11090	9460	*8910	6170	*4960	4520	(24.0)
1.5 m (4.9 ft)	kg			*5830	4020	4300	2680	*2340	1960	7.43
	lb			*12850	8860	9480	5910	*5160	4320	(24.4)
0.0 m (0.0 ft)	kg	*4280	*4280	*6170	3850	4200	2590	*2570	2010	7.22
	lb	*9440	*9440	*13600	8490	9260	5710	*5670	4430	(23.7)
-1.5 m (-4.9 ft)	kg	*7790	7010	*5900	3800	4170	2570	*3030	2240	6.68
	lb	*17170	15450	*13010	8380	9190	5670	*6680	4940	(21.9)
-1.5 m (-4.9 ft)	kg			*4830	3860					
	lb			*10650	8510					

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.

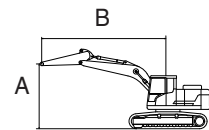
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









▲ 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
HX145A LCR HW	2-PIECE BOOM	4939	2500	3300	800	-	-	-	-	-

·  : 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)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg			*3310	*3310			*2920	*2920	4.62
	lb			*7300	*7300			*6440	*6440	(15.2)
6.0 m (19.7 ft)	kg			*3780	*3780	*2710	*2710	*2430	*2430	6.06
	lb			*8330	*8330	*5970	*5970	*5360	*5360	(19.9)
4.5 m (14.8 ft)	kg	*4040	*4040	*4200	*4200	*3730	3090	*2270	*2270	6.89
	lb	*8910	*8910	*9260	*9260	*8220	6810	*5000	*5000	(22.6)
3.0 m (9.8 ft)	kg			*5030	4550	*4040	2980	*2250	2190	7.32
	lb			*11090	10030	*8910	6570	*4960	4830	(24.0)
1.5 m (4.9 ft)	kg			*5830	4280	*4380	2860	*2340	2100	7.43
	lb			*12850	9440	*9660	6310	*5160	4630	(24.4)
0.0 m (0.0 ft)	kg	*4280	*4280	*6170	4110	4440	2780	*2570	2160	7.22
	lb	*9440	*9440	*13600	9060	9790	6130	*5670	4760	(23.7)
-1.5 m (-4.9 ft)	kg	*7790	7480	*5900	4060	*4270	2750	*3030	2400	6.68
	lb	*17170	16490	*13010	8950	*9410	6060	*6680	5290	(21.9)
-1.5 m (-4.9 ft)	kg			*4830	4120					
	lb			*10650	9080					

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.

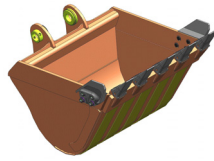
The difference between the weight of a work tool attachment must be subtracted.

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

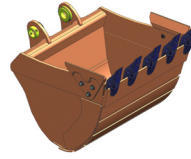
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

6. BUCKET SELECTION GUIDE

1) 2800 kg COUNTERWEIGHT



General bucket



Hammerless tooth bucket

140A2SP20

Type	Counterweight					2800 kg					
	Capacity		Width	Weight	Tooth	MONO				2-PIECE	
	SAE Heaped	CECE heaped	Without side cutter			4.1 m (13' 5") Boom	4.6 m (15' 1") Boom			4.94 m (16' 1") Boom	
	m ³ (yd ³)	m ³ (yd ³)	mm (in)	kg (lb)	EA	1.90 m (6' 3") Arm	2.10 m (6' 11") Arm	2.50 m (8' 2") Arm	3.00 m (9' 10") Arm	2.10 m (6' 11") Arm	2.50 m (8' 2") Arm
General bucket	0.58 (0.76)	0.50 (0.76)	950 (37.4")	438 (970)	5	●	●	●	◐	●	◐
	0.52 (0.68)	0.46 (0.60)	870 (34.3")	406 (900)	4	●	●	●	●	●	●
	0.65 (0.85)	0.56 (0.73)	1060 (41.7")	459 (1010)	5	●	●	◐	■	◐	■
	0.66 (0.86)	0.58 (0.76)	1050 (41.3")	493 (1090)	4	●	◐	◐	■	◐	■
	0.77 (1.01)	0.68 (0.89)	1200 (47.2")	543 (1200)	5	●	■	■	▲	■	▲
Hammerless tooth bucket	0.50 (0.65)	0.45 (0.59)	762 (30.0")	439 (970)	4	●	●	●	●	●	●
	0.61 (0.80)	0.54 (0.71)	914 (36.0")	490 (1080)	5	●	●	◐	■	◐	■

●	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

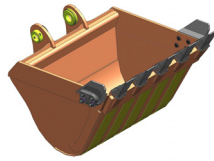
※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

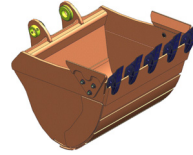
Select an optimum combination according to the working conditions and the type of work that is being done.

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

2) 3300 kg COUNTERWEIGHT



General bucket



Hammerless tooth bucket

140A2SP20

Type	Counterweight					3300 kg					
	Capacity		Width	Weight	Tooth	MONO				2-PIECE	
	SAE Heaped	CECE heaped	Without side cutter			4.1 m (13' 5") Boom	4.6 m (15' 1") Boom			4.94 m (16' 1") Boom	
	m ³ (yd ³)	m ³ (yd ³)	mm (in)	kg (lb)	EA	1.90 m (6' 3") Arm	2.10 m (6' 11") Arm	2.50 m (8' 2") Arm	3.00 m (9' 10") Arm	2.10 m (6' 11") Arm	2.50 m (8' 2") Arm
General bucket	0.58 (0.76)	0.50 (0.76)	950 (37.4")	438 (970)	5	●	●	●	◐	●	◐
	0.52 (0.68)	0.46 (0.60)	870 (34.3")	406 (900)	4	●	●	●	●	●	●
	0.65 (0.85)	0.56 (0.73)	1060 (41.7")	459 (1010)	5	●	●	◐	◐	◐	◐
	0.66 (0.86)	0.58 (0.76)	1050 (41.3")	493 (1090)	4	●	●	◐	■	◐	■
	0.77 (1.01)	0.68 (0.89)	1200 (47.2")	543 (1200)	5	●	◐	■	▲	■	▲
Hammerless tooth bucket	0.50 (0.65)	0.45 (0.59)	762 (30.0")	439 (970)	4	●	●	●	●	●	●
	0.61 (0.80)	0.54 (0.71)	914 (36.0")	490 (1080)	5	●	●	●	◐	●	◐

●	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")
HX145A LCR	Operating weight	kg	(lb)	15215	33540	15430	34020	15650	34500
	Ground pressure	kgf/cm ²	(psi)	0.46	(6.5)	0.39	(5.5)	0.34	(4.8)
	Overall width	mm		2490	(8' 2")	2590	(8' 6")	2690	(8' 10")
	Link quantity	EA		47		47		47	
HX145A LCRD	Operating weight	kg	(lb)	16015	35310	16240	35800	16465	36300
	Ground pressure	kgf/cm ²	(psi)	0.48	(6.8)	0.41	(5.8)	0.35	(5.0)
	Overall width	mm		2490	(8' 2")	2590	(8' 6")	2690	(8' 10")
	Link quantity	EA		47		47		47	

Model	Description	Unit		Rubber pad-bolt on type		Rubber pad	
	width	mm	(in)	600	(24")	500	(20")
HX145A LCR	Operating weight	kg	(lb)	15990	35250	15185	33480
	Ground pressure	kgf/cm ²	(psi)	0.39	(5.6)	0.45	(6.4)
	Overall width	mm		2590	(8' 6")	2490	(8' 2")
	Link quantity	EA		47		47	
HX145A LCRD	Operating weight	kg	(lb)	16800	37040	15985	35240
	Ground pressure	kgf/cm ²	(psi)	0.41	(5.9)	0.47	(6.7)
	Overall width	mm		2590	(8' 6")	2490	(8' 2")
	Link quantity	EA		47		47	

Model	Description	Unit		Triple grouser			
	width	mm	(in)	700	(28")	800	(32")
HX145A LCR HW	Operating weight	kg	(lb)	17880	39420	18120	39950
	Ground pressure	kgf/cm ²	(psi)	0.39	(5.5)	0.34	(4.9)
	Overall width	mm		2740	(9' 0")	2840	(9' 4")
	Link quantity	EA		47		47	

2) SELECTION OF TRACK SHOE

Suitable track shoes should be selected according to operating conditions.

Method of selecting shoes

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

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

Table 1

Model	Track shoe	Specification	Category
HX130A LCR LCRD	500 mm triple grouser	Standard	A
	600 mm triple grouser	Option	B
	700 mm triple grouser	Option	C
	700 mm triple grouser-HW	Option	C
	800 mm triple grouser-HW	Option	C
	600 mm rubber pad-bolt on type	Option	C
	500 mm rubber pad	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 / F3.8
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	102 × 115 mm (4.02" × 4.53")
Displacement	3.8 ℓ (229 cu in)
Compression ratio	17.2 : 1
Gross power	134 Hp (100 kW) at 2200 rpm
Net power	131 Hp (98 kW) at 2200 rpm
Max. power	134 Hp (100 kW) at 2200 rpm
Peak Torque	550 N · m (406 lbf · ft) at 1500 rpm
Engine oil quantity	12 ℓ (3.2 U.S. gal)
Wet weight	360 kg (794 lb)
Starter motor	24 V-4.8 kW
Alternator	24 V-70 A

2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 65 cc/rev
Maximum pressure	350 kgf/cm ² (4980 psi)
Maximum pressure (power boost)	380 kgf/cm ² (5400 psi)
Rated oil flow	2 × 127 ℓ /min (33.5 U.S. gpm / 27.9 U.K. gpm)
Rated speed	1950 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	29.3 ℓ /min (7.7 U.S. gpm/6.4 U.K. gpm)

4) MAIN CONTROL VALVE

Item	Specification	
Type	11 spools two block	
Operating method	Hydraulic pilot system	
Main relief valve pressure	350 kgf/cm ² (4980 psi)	
Main relief valve pressure (power boost)	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)

5) SWING MOTOR

Item	Specification
Type	Fixed displacement axial piston motor
Capacity	72 cc/rev
Relief pressure	280 kgf/cm ² (3990 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	640 kgf · m (4629 lbf · ft) over
Brake release pressure	24 kgf/cm ² (341 psi)
Reduction gear type	2 - stage planetary

6) TRAVEL MOTOR

Item	Specification	
	Type 1	Type 2 (HW)
Type	Variable displacement axial piston motor	
Capacity	77/44.5 cc/rev	118/67 cc/rev
Relief pressure	350 kgf/cm ² (4980 psi)	
Braking system	Automatic, spring applied hydraulic released	
Braking torque	33.1 kgf · m (239 lbf · ft)	49.3 kgf · m (357 lbf · ft)
Brake release pressure	12.5~15.9 kgf/cm ² (202~239 psi)	11 kgf/cm ² (157 psi)
Reduction gear type	2-stage planetary	

7) CYLINDER

Item		Specification
Boom cylinder (mono, 2-piece boom 1st)	Bore dia × Stroke	Ø105×1105 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Stroke	Ø115 × 1138 mm
	Cushion	Extend and retract
Adjust cylinder (2-piece boom)	Bore dia × Stroke	Ø145×613 mm
	Cushion	-
Adjust boom cylinder (2-piece boom)	Bore dia × Stroke	Ø105×995 mm
	Cushion	Extend only
Bucket cylinder	Bore dia × Stroke	Ø100 × 850 mm
	Cushion	Extend only
Dozer cylinder	Bore dia × Stroke	Ø100 × 250 mm
	Cushion	-

- ※ Discoloration of cylinder rod can occur when the friction reduction additive of lubrication oil spreads on the rod surface.
- ※ Discoloration does not cause any harmful effect on the cylinder performance.

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	12.0 (3.2)	★SAE 0W-40									
			SAE 5W-40									
			SAE 15W-40									
DEF/ AdBlue® tank	Mixture of urea and deionized water	27 (7.1)	ISO 22241, High-purity urea + deionized water (32.5:67.5)									
Swing drive	Gear oil	3.5 (0.9)	★SAE 75W-90									
Final drive		Type 1 :2.3 (0.6)x2 Type 2 :5.8 (1.5)x2	SAE 80W-90									
Hydraulic tank	Hydraulic oil	Tank 96 (25.4)	★ISO VG 15									
			ISO VG 32									
		System 180 (47.6)	ISO VG 46, HBHO VG 46★ ³									
			ISO VG 68									
Fuel tank	Diesel fuel★ ¹	210 (55.5)	★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	24.5 (6.5)	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.