

SECTION 1 GENERAL



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SECTION 1 GENERAL

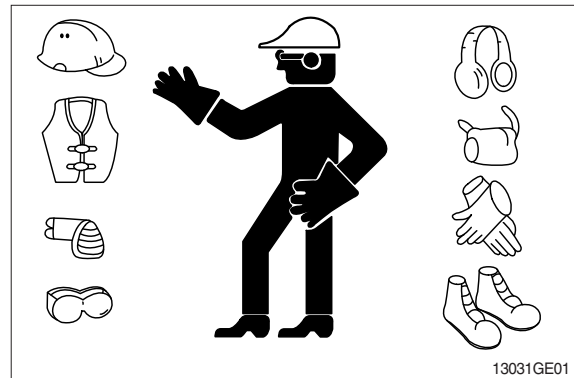
GROUP 1 SAFETY

FOLLOW SAFE PROCEDURE

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

WEAR PROTECTIVE CLOTHING

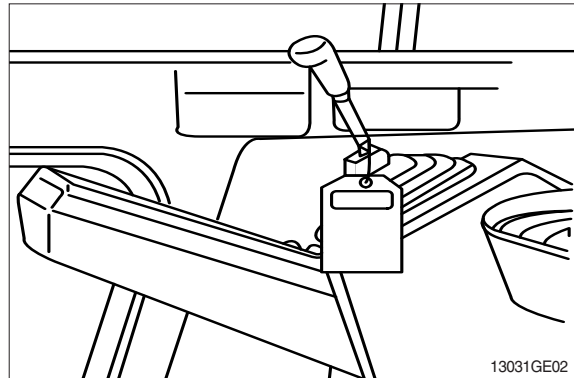
Wear close fitting clothing and safety equipment appropriate to the job.



WARN OTHERS OF SERVICE WORK

Unexpected machine movement can cause serious injury.

Before performing any work on the excavator, attach a 「Do Not Operate」 tag on the right side control lever.



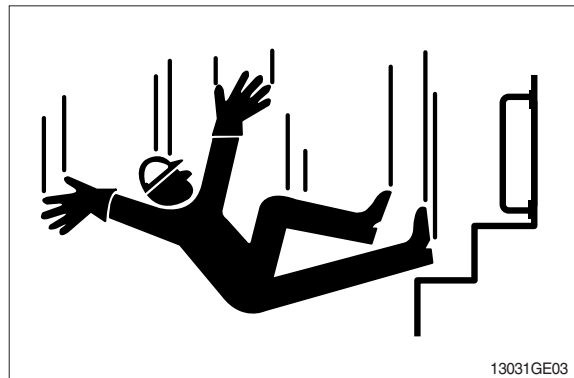
USE HANDHOLDS AND STEPS

Falling is one of the major causes of personal injury.

When you get on and off the machine, always maintain a three point contact with the steps and handrails and face the machine. Do not use any controls as handholds.

Never jump on or off the machine. Never mount or dismount a moving machine.

Be careful of slippery conditions on platforms, steps, and handrails when leaving the machine.

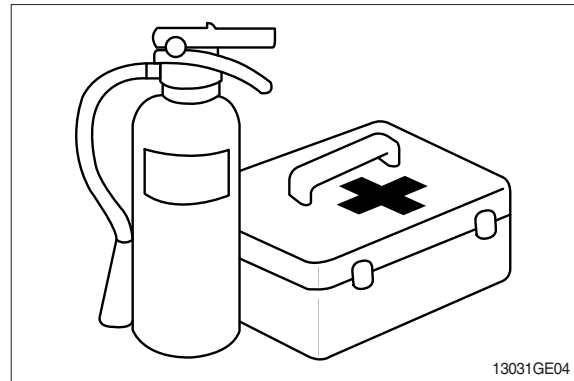


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

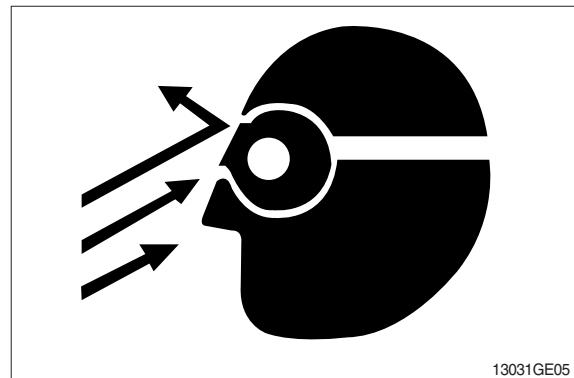
Keep a first aid kit and fire extinguisher handy.

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



PROTECT AGAINST FLYING DEBRIS

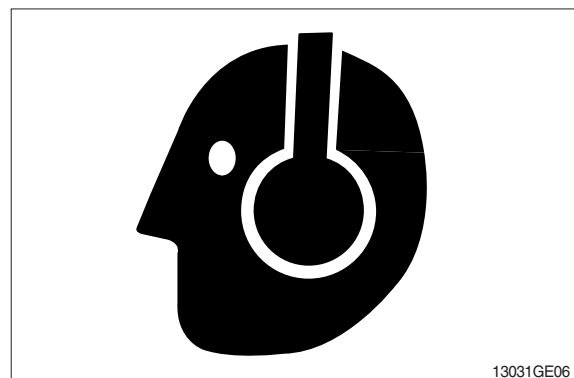
Guard against injury from flying pieces of metal or debris; Wear goggles or safety glasses.



PROTECT AGAINST NOISE

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

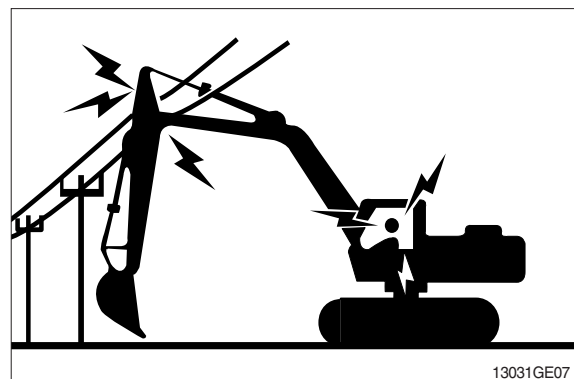
Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



AVOID POWER LINES

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

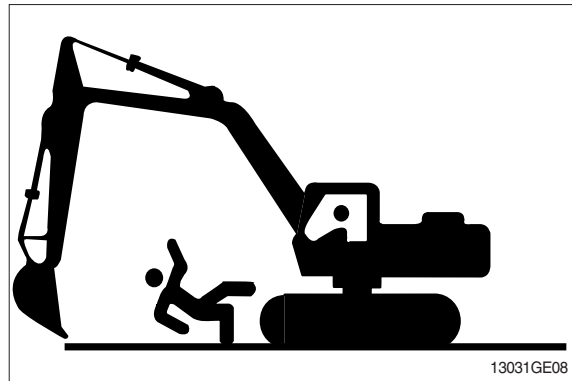
Never move any part of the machine or load closer to electric line than 3m(10ft) plus twice the line insulator length.



KEEP RIDERS OFF EXCAVATOR

Only allow the operator on the excavator. Keep riders off.

Riders on excavator are subject to injury such as being struck by foreign objects and being thrown off the excavator. Riders also obstruct the operator's view resulting in the excavator being operated in an unsafe manner.

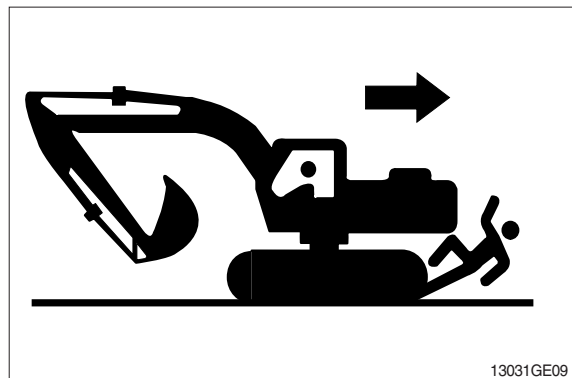


MOVE AND OPERATE MACHINE SAFELY

Bystanders can be run over. Know the location of bystanders before moving, swinging, or operating the machine.

Always keep the travel alarm in working condition. It warns people when the excavator starts to move.

Use a signal person when moving, swinging, or operating the machine in congested areas. Coordinate hand signals before starting the excavator.



OPERATE ONLY FROM OPERATOR'S SEAT

Avoid possible injury machine damage. Do not start engine by shorting across starter terminals.

NEVER start engine while standing on ground. Start engine only from operator's seat.



PARK MACHINE SAFELY

Before working on the machine:

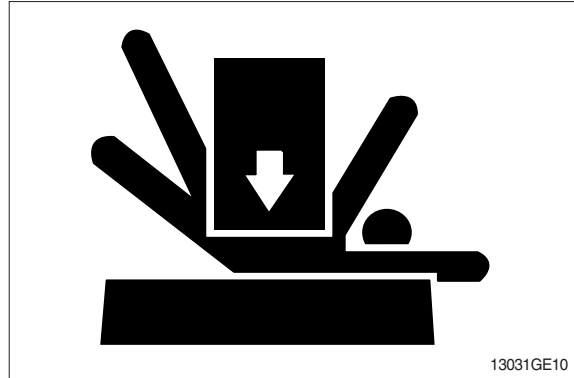
- Park machine on a level surface.
- Lower bucket to the ground.
- Turn auto idle switch off.
- Run engine at low idle speed without load for 5 minutes.
- Turn key switch to OFF to stop engine. Remove key from switch.
- Place safety lever to locked position.
- Allow engine to cool.

SUPPORT MACHINE PROPERLY

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

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

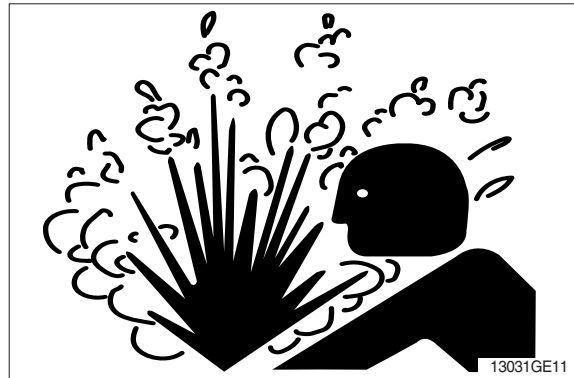
Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.



SERVICE COOLING SYSTEM SAFELY

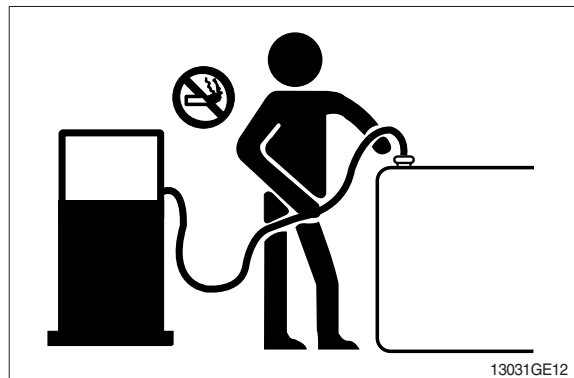
Explosive release of fluids from pressurized cooling system can cause serious burns.

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



HANDLE FLUIDS SAFELY-AVOID FIRES

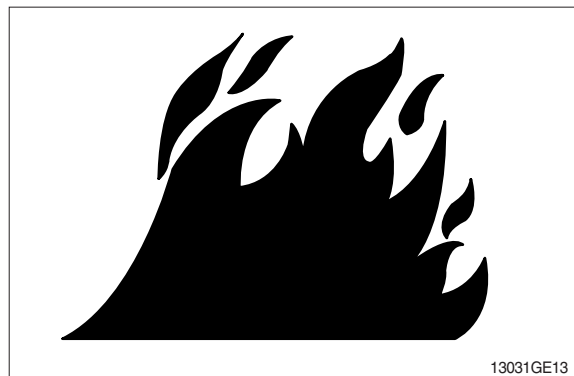
Handle fuel with care; It is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks. Always stop engine before refueling machine. Fill fuel tank outdoors.



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

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

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



BEWARE OF EXHAUST FUMES

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

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

REMOVE PAINT BEFORE WELDING OR HEATING

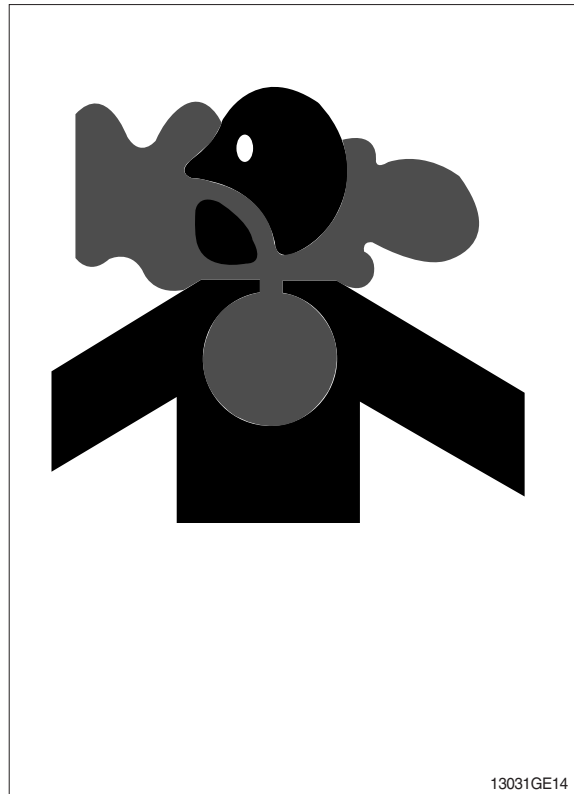
Avoid potentially toxic fumes and dust.

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

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

Remove paint before welding or heating:

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



ILLUMINATE WORK AREA SAFELY

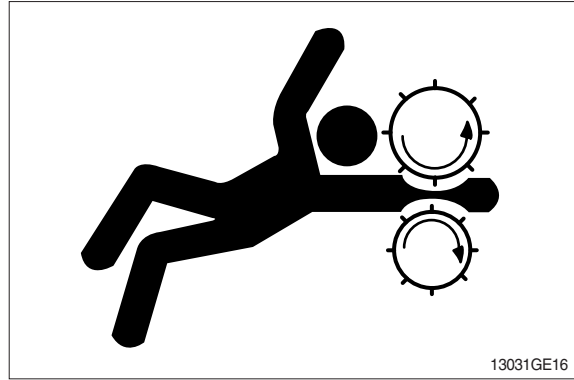
Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.



SERVICE MACHINE SAFELY

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

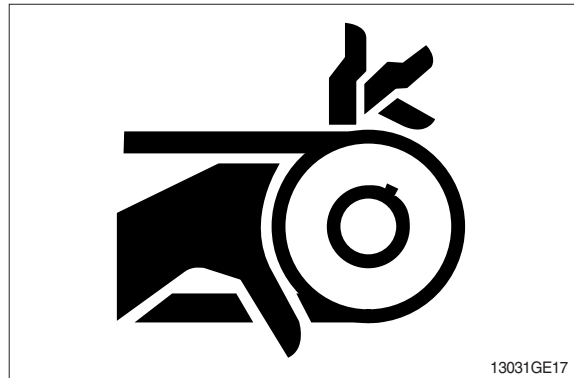
Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



STAY CLEAR OF MOVING PARTS

Entanglements in moving parts can cause serious injury.

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



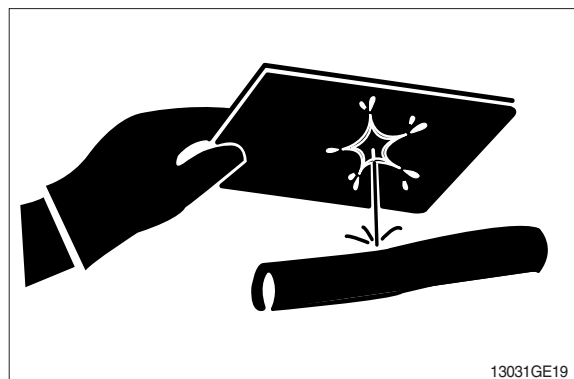
AVOID HIGH PRESSURE FLUIDS

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

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

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

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



AVOID HEATING NEAR PRESSURIZED FLUID LINES

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

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



PREVENT BATTERY EXPLOSIONS

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

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

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



PREVENT ACID BURNS

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

Avoid the hazard by:

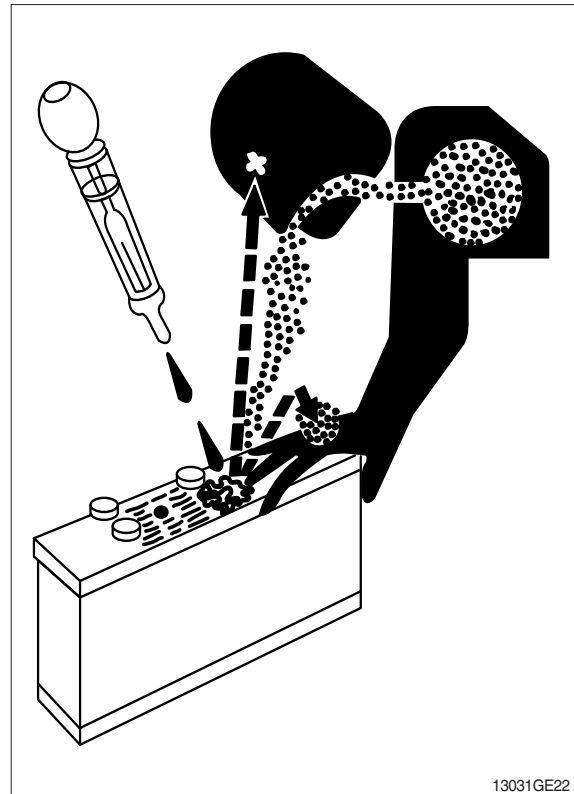
1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.
5. Use proper jump start procedure.

If you spill acid on yourself:

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

If acid is swallowed:

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



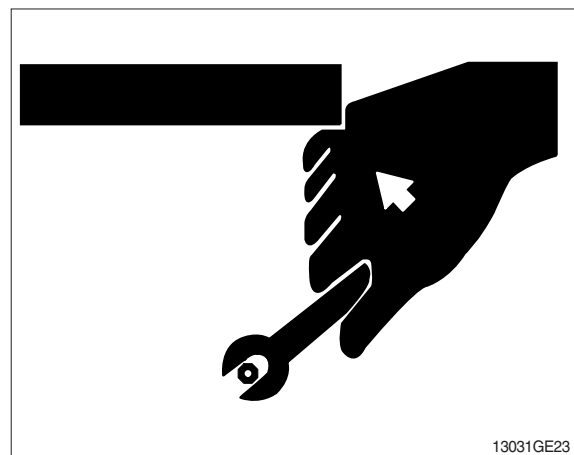
USE TOOLS PROPERLY

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

Use power tools only to loosen threaded tools and fasteners.

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

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

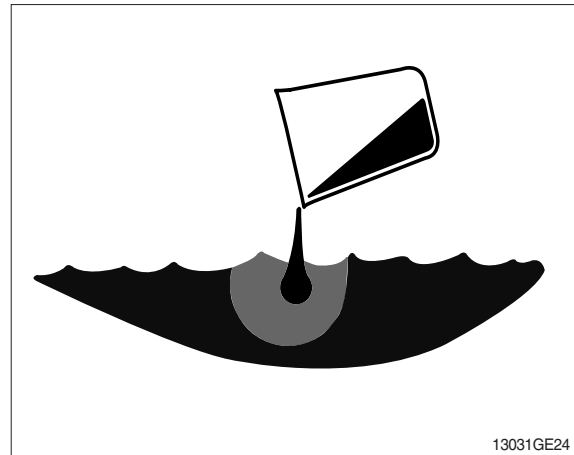


DISPOSE OF FLUIDS PROPERLY

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

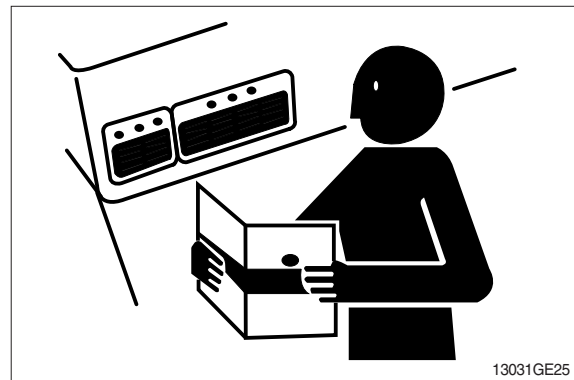
Use proper containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

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



REPLACE SAFETY LABELS

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

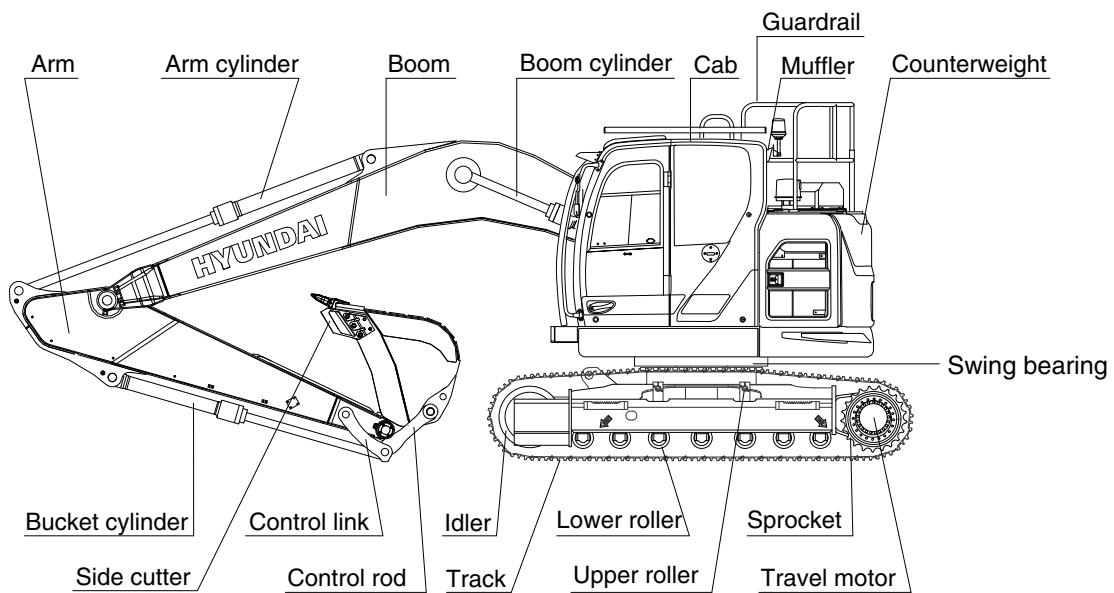
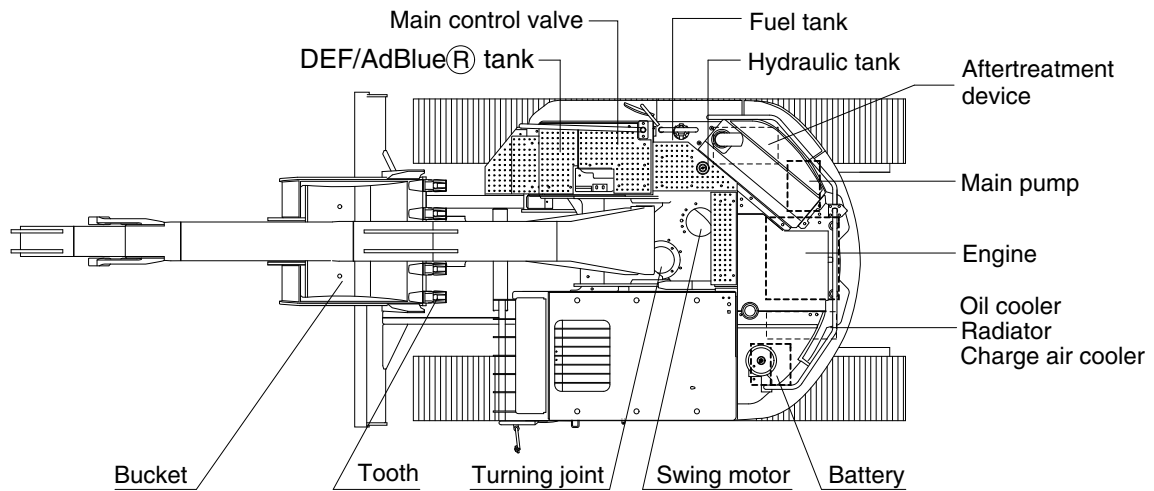


LIVE WITH SAFETY

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

GROUP 2 SPECIFICATIONS

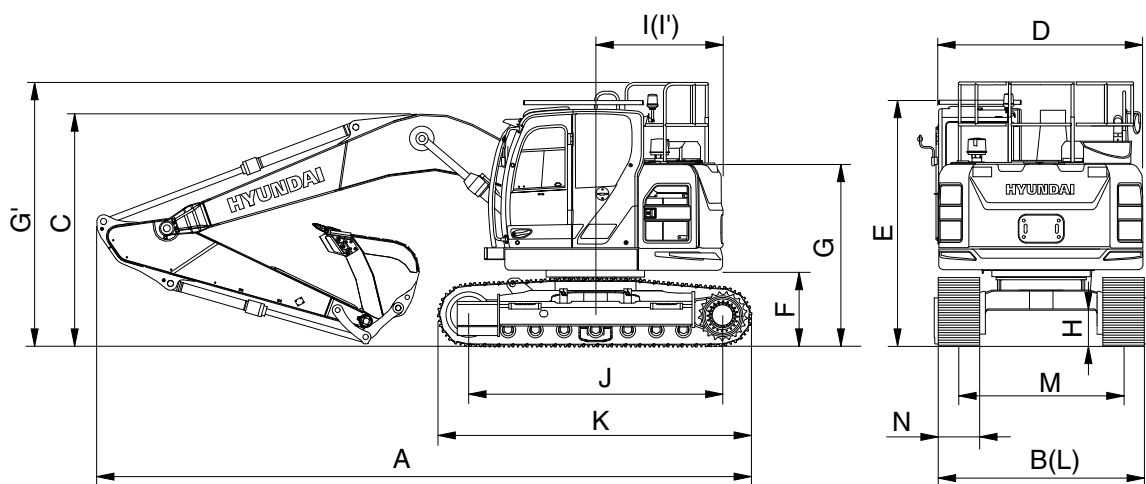
1. MAJOR COMPONENT



145A2SP01

2. SPECIFICATIONS

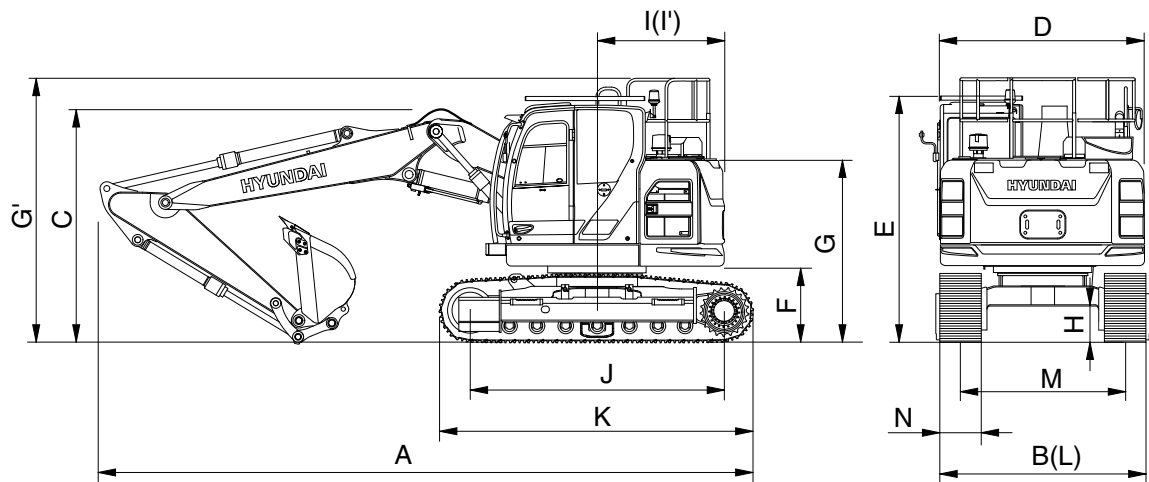
1) HX145A LCR, MONO BOOM



145A2SP02

Description		Unit		Specification		
		m (ft-in)	Boom	4.60 (15' 1")		
			Arm	2.50 (8' 2")	2.10 (6' 11")	3.00 (9' 10")
			Shoe	600 (24)		
Operating weight		kg (lb)		15430 (34020)	15365 (33870)	15430 (34020)
Overall length	A	mm (ft-in)		7320 (24' 0")	7330 (24' 1")	7435 (24' 5")
Overall width	B			2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Overall width with add footboard	B'			2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Overall height of boom	C			2730 (8' 11")	2560 (8' 5")	3165 (10' 5")
Overall width of upper structure	D			2485 (8' 2")	2485 (8' 2")	2485 (8' 2")
Overall height of cab	E			2820 (9' 3")	2820 (9' 3")	2820 (9' 3")
Ground clearance of counterweight	F			905 (3' 0")	905 (3' 0")	905 (3' 0")
Overall height of engine hood	G			2485 (8' 2")	2485 (8' 2")	2485 (8' 2")
Overall height of guardrail	G'			3090 (10' 2")	3090 (10' 2")	3090 (10' 2")
Minimum ground clearance	H			270 (0' 11")	270 (0' 11")	270 (0' 11")
Rear-end distance	I			1530 (5' 0")	1530 (5' 0")	1530 (5' 0")
Rear-end swing radius	I'			1530 (5' 0")	1530 (5' 0")	1530 (5' 0")
Distance between tumblers	J			3120 (10' 3")	3120 (10' 3")	3120 (10' 3")
Undercarriage length (without grouser)	K			3740 (12' 3")	3740 (12' 3")	3740 (12' 3")
Undercarriage length (with grouser)	K			3790 (12' 5")	3790 (12' 5")	3790 (12' 5")
Undercarriage width	L			2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Undercarriage width with add footboard	L			2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Track gauge	M			1990 (6' 6")	1990 (6' 6")	1990 (6' 6")
Track shoe width, standard	N			600 (2' 0")	600 (2' 0")	600 (2' 0")
Track shoe link quantity		EA		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)
Swing speed		rpm		11.4	11.4	11.4
Gradeability		Degree (%)		35 (70)	35 (70)	35 (70)
Ground pressure		kgf/cm ² (psi)		0.39 (5.48)	0.38 (5.46)	0.39 (5.48)
Max traction force		kg (lb)		12672 (27940)	12672 (27940)	12672 (27940)

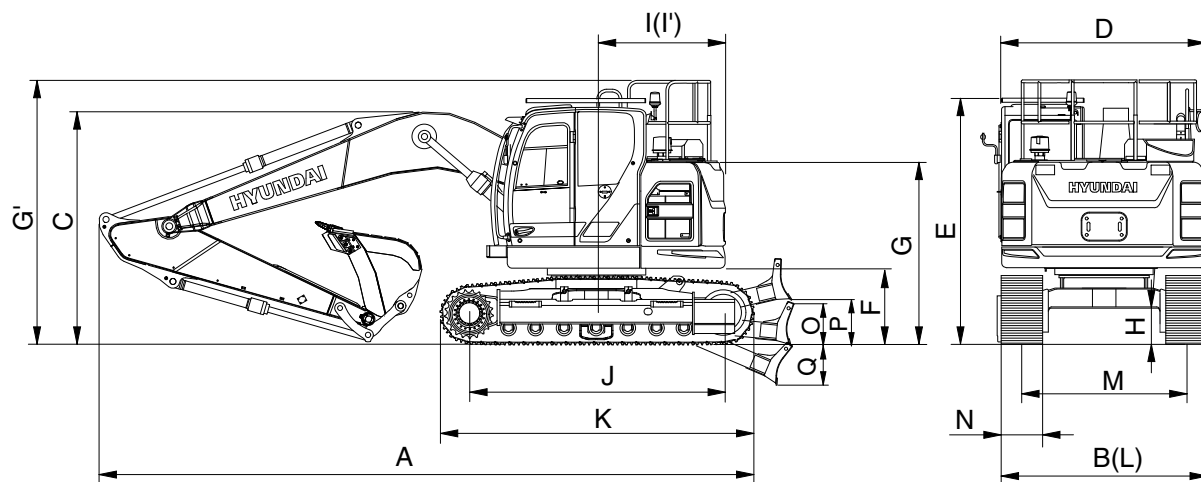
2) HX145A LCR, 2-PIECE BOOM



145A2SP03

Description		Unit		Specification	
		m (ft-in)	Boom	4.90 (16' 1")	
			Arm	2.50 (8' 2")	2.10 (6' 11")
			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			2485 (8' 2")	2485 (8' 2")
Overall height of cab	E			2820 (9' 3")	2820 (9' 3")
Ground clearance of counterweight	F			905 (3' 0")	905 (3' 0")
Overall height of engine hood	G			2485 (8' 2")	2485 (8' 2")
Overall height of guardrail	G'			3090 (10' 2")	3090 (10' 2")
Minimum ground clearance	H			270 (0' 11")	270 (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			3120 (10' 3")	3120 (10' 3")
Undercarriage length (without grouser)	K			3740 (12' 3")	3740 (12' 3")
Undercarriage length (with grouser)	K'			3790 (12' 5")	3790 (12' 5")
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	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)

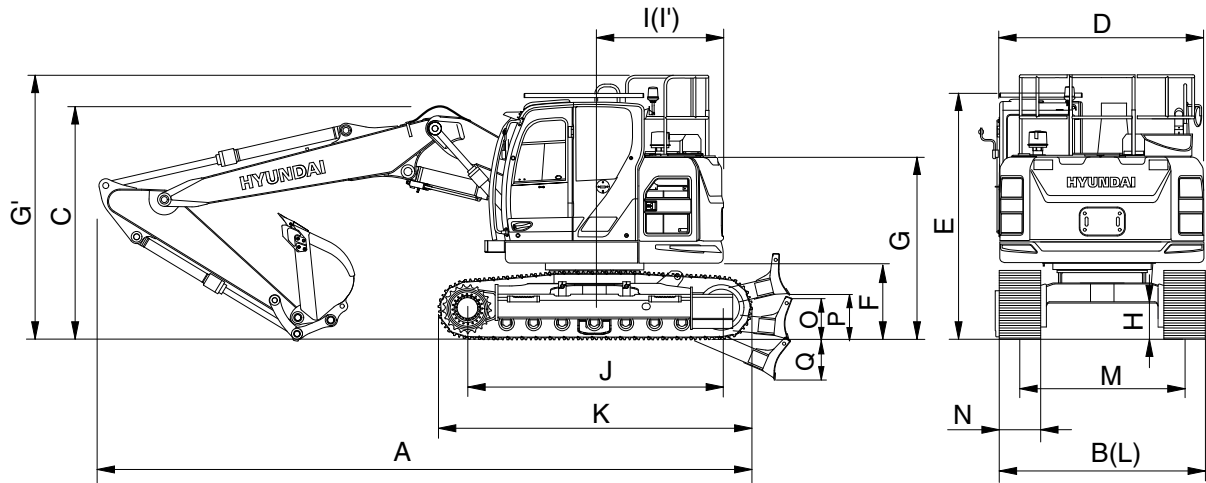
3) HX145A LCRD, MONO BOOM



145A2SP04

Description	Unit		Specification		
	m (ft-in)	Boom	4.6 (15' 1")		
		Arm	2.50 (8' 2")	2.10 (6' 11")	3.00 (9' 10")
		Shoe	600 (24)		
Operating weight		kg (lb)	16240 (35800)	16175 (35660)	16290 (35910)
Overall length	A	mm (ft-in)	7755 (25' 5")	7765 (25' 6")	7870 (25' 10")
Overall width	B		2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Overall width with add footboard	B'		2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Overall height of boom	C		2730 (8' 11")	2560 (8' 5")	3165 (10' 5")
Overall width of upper structure	D		2485 (8' 2")	2485 (8' 2")	2485 (8' 2")
Overall height of cab	E		2820 (9' 3")	2820 (9' 3")	2820 (9' 3")
Ground clearance of counterweight	F		905 (3' 0")	905 (3' 0")	905 (3' 0")
Overall height of engine hood	G		2485 (8' 2")	2485 (8' 2")	2485 (8' 2")
Overall height of guardrail	G'		3090 (10' 2")	3090 (10' 2")	3090 (10' 2")
Minimum ground clearance	H		270 (0' 11")	270 (0' 11")	270 (0' 11")
Rear-end distance	I		1530 (5' 0")	1530 (5' 0")	1530 (5' 0")
Rear-end swing radius	I'		1530 (5' 0")	1530 (5' 0")	1530 (5' 0")
Distance between tumblers	J		3120 (10' 3")	3120 (10' 3")	3120 (10' 3")
Undercarriage length (without grouser)	K		3740 (12' 3")	3740 (12' 3")	3740 (12' 3")
Undercarriage length (with grouser)	K'		3790 (12' 5")	3790 (12' 5")	3790 (12' 5")
Undercarriage width	L		2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Undercarriage width with add footboard	L'		2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Track gauge	M		1990 (6' 6")	1990 (6' 6")	1990 (6' 6")
Track shoe width, standard	N		600 (2' 0")	600 (2' 0")	600 (2' 0")
Height of blade	O		575 (1' 11")	575 (1' 11")	575 (1' 11")
Ground clearance of blade up	P		425 (1' 5")	425 (1' 5")	425 (1' 5")
Depth of blade down	Q		430 (1' 5")	430 (1' 5")	430 (1' 5")
Track shoe link quantity		EA	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)
Swing speed		rpm	11.4	11.4	11.4
Gradeability		Degree (%)	35 (70)	35 (70)	35 (70)
Ground pressure		kgf/cm ² (psi)	0.41 (5.76)	0.40 (5.75)	0.41 (5.79)
Max traction force		kg (lb)	12672 (27940)	12672 (27940)	12672 (27940)

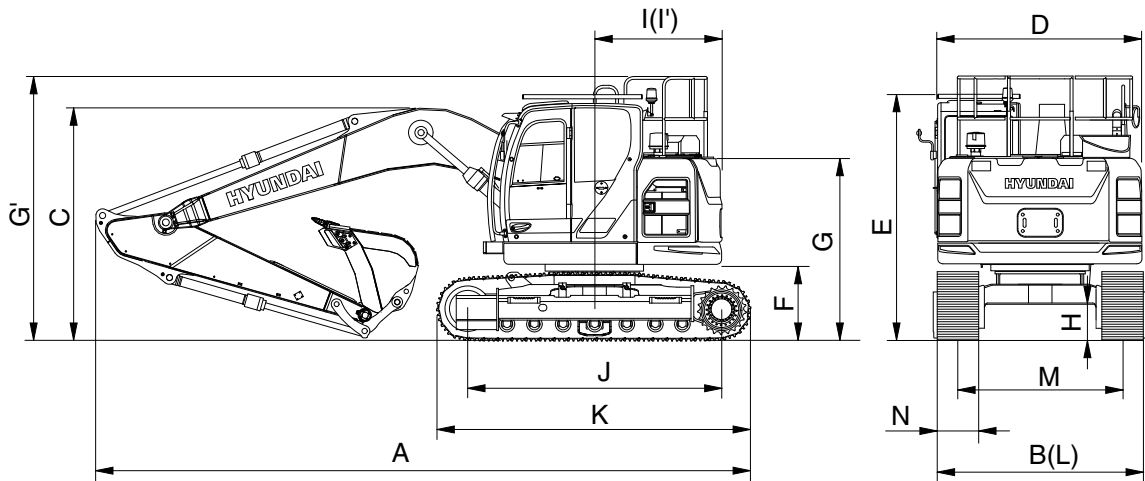
4) HX145A LCRD, 2-PIECE BOOM



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)		7625 (25' 0")	7645 (25' 1")
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			2485 (8' 2")	2485 (8' 2")
Overall height of cab	E			2820 (9' 3")	2820 (9' 3")
Ground clearance of counterweight	F			905 (3' 0")	905 (3' 0")
Overall height of engine hood	G			2485 (8' 2")	2485 (8' 2")
Overall height of guardrail	G'			3090 (10' 2")	3090 (10' 2")
Minimum ground clearance	H			270 (0' 11")	270 (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			3120 (10' 3")	3120 (10' 3")
Undercarriage length (without grouser)	K			3740 (12' 3")	3740 (12' 3")
Undercarriage length (with grouser)	K'			3790 (12' 5")	3790 (12' 5")
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			425 (1' 5")	425 (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)

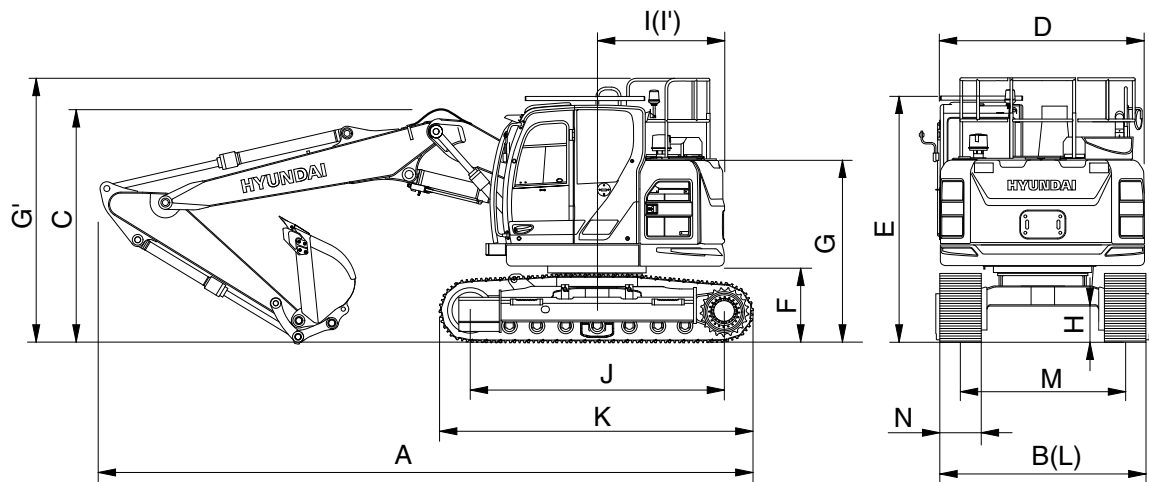
5) HX145A LCR HW, MONO BOOM



145A2SP02

Description		Unit		Specification		
		m (ft-in)	Boom	4.60 (15' 1")		
			Arm	2.50 (8' 2")	2.10 (6' 11")	3.00 (9' 10")
			Shoe	800 (32)		
Operating weight		kg (lb)		18120 (39950)	18055 (39800)	18165 (40050)
Overall length	A	mm (ft-in)		7315 (24' 0")	7285 (23' 11")	7370 (24' 2")
Overall width	B			2840 (9' 4")	2840 (9' 4")	2840 (9' 4")
Overall width with add footboard	B'			2840 (9' 4")	2840 (9' 4")	2840 (9' 4")
Overall height of boom	C			2750 (9' 0")	2595 (8' 6")	3125 (10' 3")
Overall width of upper structure	D			2485 (8' 2")	2485 (8' 2")	2485 (8' 2")
Overall height of cab	E			3155 (10' 4")	3155 (10' 4")	3155 (10' 4")
Ground clearance of counterweight	F			1195 (3' 11")	1195 (3' 11")	1195 (3' 11")
Overall height of engine hood	G			2760 (9' 1")	2760 (9' 1")	2760 (9' 1")
Overall height of guardrail	G'			3380 (11' 1")	3380 (11' 1")	3380 (11' 1")
Minimum ground clearance	H			605 (2' 0")	605 (2' 0")	605 (2' 0")
Rear-end distance	I			1530 (5' 0")	1530 (5' 0")	1530 (5' 0")
Rear-end swing radius	I'			1530 (5' 0")	1530 (5' 0")	1530 (5' 0")
Distance between tumblers	J			3030 (9' 11")	3030 (9' 11")	3030 (9' 11")
Undercarriage length (without grouser)	K			3770 (12' 4")	3770 (12' 4")	3770 (12' 4")
Undercarriage length (with grouser)	K			3820 (12' 6")	3820 (12' 6")	3820 (12' 6")
Undercarriage width	L			2840 (9' 4")	2840 (9' 4")	2840 (9' 4")
Undercarriage width with add footboard	L			2840 (9' 4")	2840 (9' 4")	2840 (9' 4")
Track gauge	M			2040 (6' 8")	2040 (6' 8")	2040 (6' 8")
Track shoe width, standard	N			800 (2' 7")	800 (2' 7")	800 (2' 7")
Track shoe link quantity		EA		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)
Swing speed		rpm		11.4	11.4	11.4
Gradeability		Degree (%)		35 (70)	35 (70)	35 (70)
Ground pressure		kgf/cm ² (psi)		0.34 (4.89)	0.34 (4.88)	0.35 (4.91)
Max traction force		kg (lb)		16717 (36850)	16717 (36850)	16717 (36850)

6) HX145A LCR HW, 2-PIECE BOOM

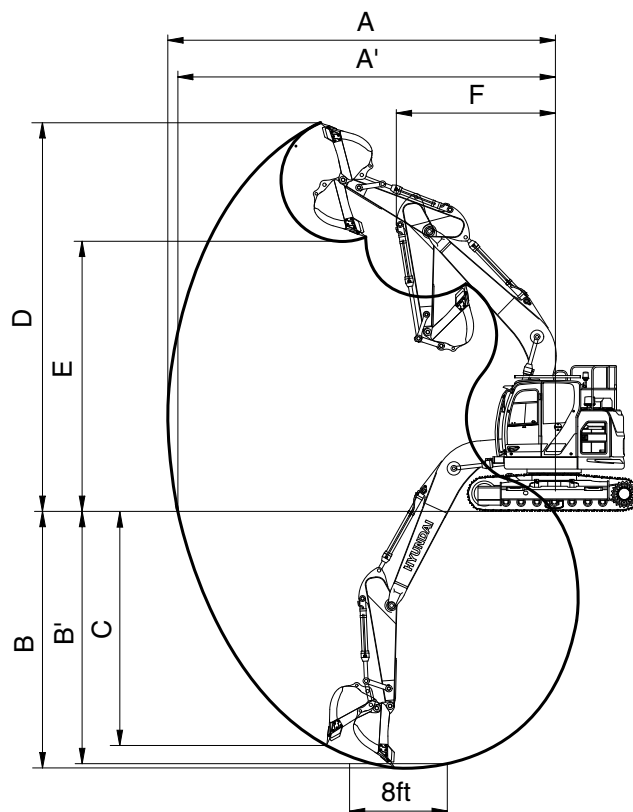


145A2SP03

Description	Unit		Specification	
	m (ft-in)	Boom	4.9 (16' 1")	
		Arm	2.5 (8' 2")	2.1 (6' 11")
		Shoe	800 (32)	
Operating weight		kg (lb)	18530 (40850)	18465 (40710)
Overall length	A	mm (ft-in)	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		2485 (8' 2")	2485 (8' 2")
Overall height of cab	E		3155 (10' 4")	3155 (10' 4")
Ground clearance of counterweight	F		1195 (3' 11")	1195 (3' 11")
Overall height of engine hood	G		2760 (9' 1")	2760 (9' 1")
Overall height of guardrail	G'		3380 (11' 1")	3380 (11' 1")
Minimum ground clearance	H		605 (2' 0")	605 (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)

3. WORKING RANGE AND DIGGING FORCE

1) HX145A LCR/LCRD, MONO BOOM

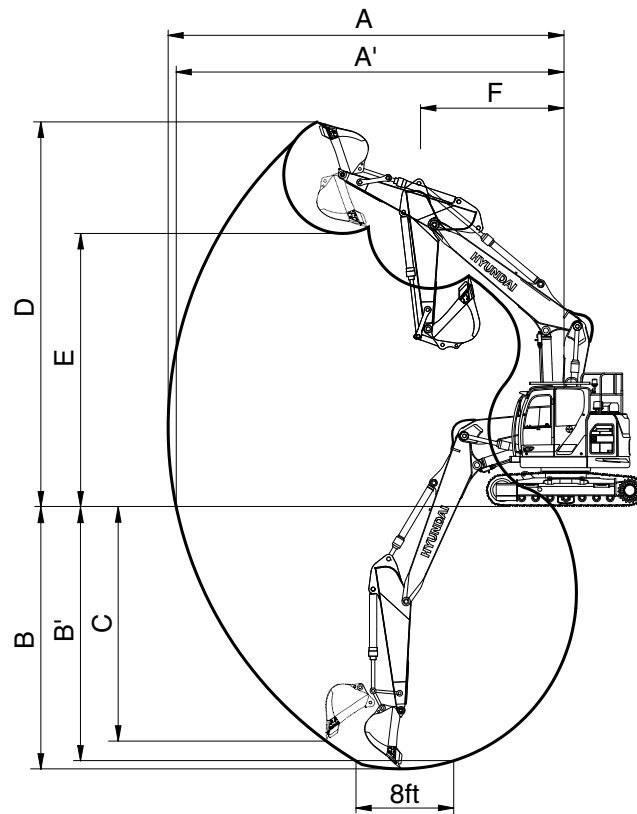


145A2SP06

Description	m (ft-in)	Boom			
		Arm	4.60 (15' 1")		
			2.50 (8' 2")	2.10 (6' 11")	3.00 (9' 10")
Max digging reach	mm (ft-in)	A	8240 (27' 0")	7770 (25' 6")	8625 (28' 4")
Max digging reach on ground		A'	8100 (26' 7")	7620 (25' 0")	8490 (27' 10")
Max digging depth		B	5225 (17' 2")	4825 (15' 10")	5725 (18' 9")
Max digging depth (8 ft level)		B'	5020 (16' 6")	4570 (15' 0")	5540 (18' 2")
Max vertical wall digging depth		C	4725 (15' 6")	4015 (13' 2")	5000 (16' 5")
Max digging height		D	9205 (30' 2")	8695 (28' 6")	9395 (30' 10")
Max dumping height		E	6785 (22' 3")	6315 (20' 9")	7000 (23' 0")
Min swing radius		F	1990 (6' 6")	1830 (6' 0")	2305 (7' 7")
Bucket digging force	kN	SAE	94.3 [102.4]	94.3 [102.4]	94.3 [102.4]
	kgf		9620 [10440]	9620 [10440]	9620 [10440]
	lbf		21210 [23020]	21210 [23020]	21210 [23020]
	kN	ISO	111.4 [120.9]	111.4 [120.9]	111.4 [120.9]
	kgf		11360 [12330]	11360 [12330]	11360 [12330]
	lbf		25040 [27180]	25040 [27180]	25040 [27180]
Arm digging force	kN	SAE	62.0 [67.3]	71.7 [77.9]	57.0 [61.9]
	kgf		6320 [6860]	7310 [7940]	5810 [6310]
	lbf		13930 [15120]	16120 [17500]	12810 [13910]
	kN	ISO	64.6 [70.1]	75.1 [81.6]	59.0 [64.1]
	kgf		6590 [7150]	7660 [8320]	6020 [6540]
	lbf		14530 [15760]	16890 [18340]	13270 [14420]

[] : Power boost

2) HX145A LCR/LCRD, 2-PIECE BOOM

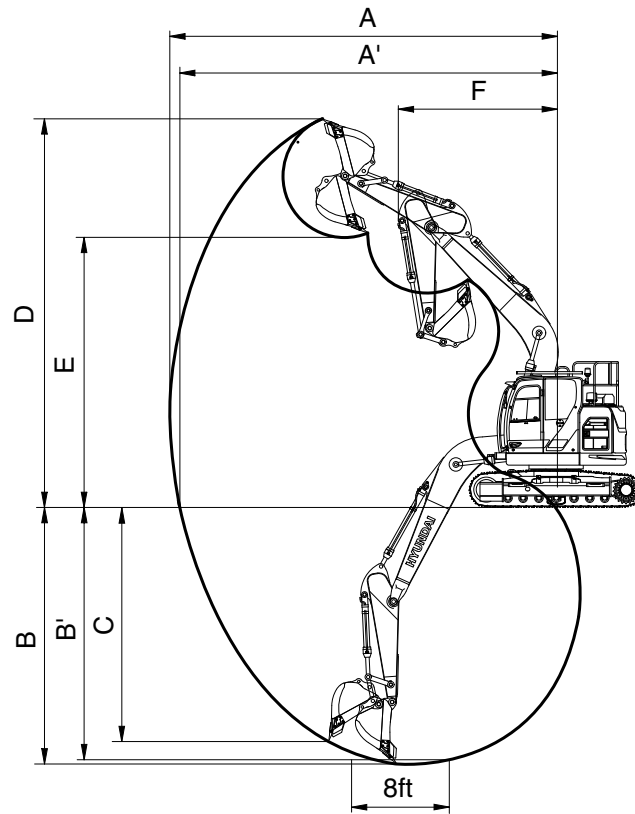


145A2SP07

Description	m (ft-in)	Boom		
		Arm	4.90 (16' 1")	
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	95.1 [103.3]	95.1 [103.3]
	kgf		9700 [10530]	9700 [10530]
	lbf		21380 [23210]	21380 [23210]
	kN	ISO	112.4 [122.0]	112.4 [122.0]
	kgf		11460 [12440]	11460 [12440]
	lbf		25260 [27430]	25260 [27430]
Arm digging force	kN	SAE	63.5 [69.0]	74.7 [81.1]
	kgf		6480 [7040]	7620 [8270]
	lbf		14290 [15520]	16800 [18230]
	kN	ISO	66.2 [71.9]	78.3 [84.9]
	kgf		6750 [7330]	7980 [8660]
	lbf		14880 [16160]	17590 [19090]

[] : Power boost

3) HX145A LCR HW, MONO BOOM

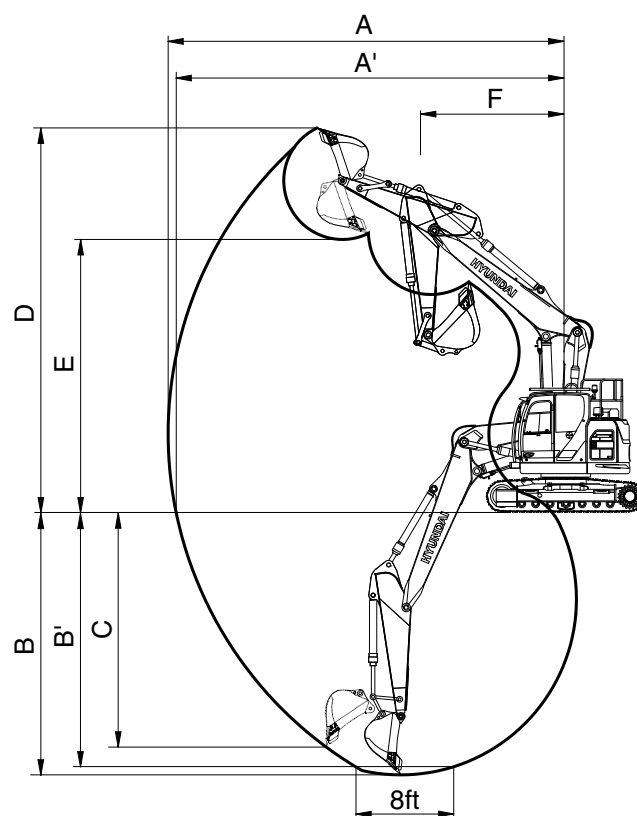


145A2SP06

Description	m (ft-in)	Boom	4.60 (15' 1")		
		Arm	2.50 (8' 2")	2.10 (6' 11")	3.00 (9' 10")
Max digging reach	mm (ft-in)	A	8240 (27' 0")	7770 (25' 6")	8625 (28' 4")
Max digging reach on ground		A'	8040 (26' 5")	7560 (24' 10")	8435 (27' 8")
Max digging depth		B	8950 (29' 4")	4550 (14' 11")	5450 (17' 11")
Max digging depth (8 ft level)		B'	4745 (15' 7")	4295 (14' 1")	5270 (17' 3")
Max vertical wall digging depth		C	4450 (14' 7")	3740 (12' 3")	4725 (15' 6")
Max digging height		D	9480 (31' 1")	8970 (29' 5")	9670 (31' 9")
Max dumping height		E	7060 (23' 2")	6590 (21' 7")	7275 (23' 10")
Min swing radius		F	1990 (6' 6")	1830 (6' 0")	2305 (7' 7")
Bucket digging force	kN	SAE	94.3 [102.4]	94.3 [102.4]	94.3 [102.4]
	kgf		9620 [10440]	9620 [10440]	9620 [10440]
	lbf		21210 [23020]	21210 [23020]	21210 [23020]
	kN	ISO	111.4 [120.9]	111.4 [120.9]	111.4 [120.9]
	kgf		11360 [12330]	11360 [12330]	11360 [12330]
	lbf		25040 [27180]	25040 [27180]	25040 [27180]
Arm digging force	kN	SAE	62.0 [67.3]	71.7 [77.9]	57.0 [61.9]
	kgf		6320 [6860]	7310 [7940]	5810 [6310]
	lbf		13930 [15120]	16120 [17500]	12810 [13910]
	kN	ISO	64.6 [70.1]	75.1 [81.6]	59.0 [64.1]
	kgf		6590 [7150]	7660 [8320]	6020 [6540]
	lbf		14530 [15760]	16890 [18340]	13270 [14420]

[] : Power boost

4) HX145A LCR HW, 2-PIECE BOOM



145A2SP07

Description	m (ft-in)	Boom	4.90 (16' 1")	
		Arm	2.50 (8' 2")	2.10 (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	95.1 [103.3]	95.1 [103.3]
	kgf		9700 [10530]	9700 [10530]
	lbf		21380 [23210]	21380 [23210]
	kN	ISO	112.4 [122.0]	112.4 [122.0]
	kgf		11460 [12440]	11460 [12440]
	lbf		25260 [27430]	25260 [27430]
Arm digging force	kN	SAE	63.5 [69.0]	74.7 [81.1]
	kgf		6480 [7040]	7620 [8270]
	lbf		14290 [15520]	16800 [18230]
	kN	ISO	66.2 [71.9]	78.3 [84.9]
	kgf		6750 [7330]	7980 [8660]
	lbf		14880 [16160]	17590 [19090]

[] : 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.

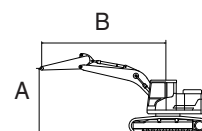
5. LIFTING CAPACITIES









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
		4600	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. ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m (19.7 ft)	kg lb			*3710 *8180	*3710 *8180			*3020 *6660	*3020 *6660	4.72 (15.5)
4.5 m (14.8 ft)	kg lb	*5620 *12390	*5620 *12390	*4910 *10820	3710 8180			*2830 *6240	2450 5400	5.81 (19.1)
3.0 m (9.8 ft)	kg lb	*8090 *17840	6540 14420	*5560 *12260	3520 7760	3750 8270	2280 5030	*2870 *6330	2070 4560	6.37 (20.9)
1.5 m (4.9 ft)	kg lb			5700 12570	3310 7300	3660 8070	2200 4850	*3110 *6860	1930 4250	6.55 (21.5)
0.0 m (0.0 ft)	kg lb	*7250 *15980	5730 12630	5540 12210	3170 6990	3590 7910	2140 4720	3300 7280	1970 4340	6.37 (20.9)
-1.5 m (-4.9 ft)	kg lb	*8140 *17950	5750 12680	5500 12130	3130 6900			3770 8310	2230 4920	5.80 (19.0)
-3.0 m (-9.8 ft)	kg lb	*5710 *12590	*5710 *12590	*3940 *8690	3220 7100			*3630 *8000	3040 6700	4.70 (15.4)

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	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2800	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2780 *6130	*2780 *6130	3.54 (11.6)
6.0 m (19.7 ft)	kg lb					*3640 *8020	*3640 *8020			*2180 *4810	*2180 *4810	5.35 (17.6)
4.5 m (14.8 ft)	kg lb			*3990 *8800	*3990 *8800	*4250 *9370	3750 8270	*3090 *6810	2350 5180	*2020 *4450	*2020 *4450	6.33 (20.8)
3.0 m (9.8 ft)	kg lb			*7380 *16270	6710 14790	*5270 *11620	3560 7850	3770 8310	2290 5050	*2010 *4430	1850 4080	6.85 (22.5)
1.5 m (4.9 ft)	kg lb			*8750 *19290	6030 13290	5730 12630	3330 7340	3670 8090	2200 4850	*2120 *4670	1740 3840	7.02 (23.0)
0.0 m (0.0 ft)	kg lb			*7040 *15520	5740 12650	5540 12210	3170 6990	3580 7890	2120 4670	*2370 *5220	1770 3900	6.85 (22.5)
-1.5 m (-4.9 ft)	kg lb	*4910 *10820	*4910 *10820	*8720 *19220	5710 12590	5470 12060	3110 6860	3560 7850	2100 4630	*2890 *6370	1960 4320	6.32 (20.8)
-3.0 m (-9.8 ft)	kg lb			*6600 *14550	5820 12830	*4620 *10190	3160 6970			*3430 *7560	2520 5560	5.34 (17.5)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

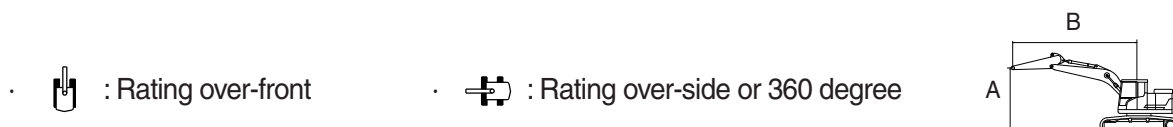
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

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

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



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2450 *5400	*2450 *5400	4.26 (14.0)
6.0 m (19.7 ft)	kg lb					*3290 *7250	*3290 *7250			*2070 *4560	*2070 *4560	5.85 (19.2)
4.5 m (14.8 ft)	kg lb					*3580 *7890	*3580 *7890	*3180 *7010	2400 5290	*1960 *4320	1950 4300	6.76 (22.2)
3.0 m (9.8 ft)	kg lb			*5700 *12570	*5700 *12570	*4850 *10690	3630 8000	3800 8380	2320 5110	*1980 *4370	1700 3750	7.25 (23.8)
1.5 m (4.9 ft)	kg lb			*8880 *19580	6180 13620	*5760 *12700	3370 7430	3680 8110	2210 4870	*2100 *4630	1600 3530	7.40 (24.3)
0.0 m (0.0 ft)	kg lb			*8300 *18300	5740 12650	5550 12240	3170 6990	3570 7870	2110 4650	*2360 *5200	1610 3550	7.24 (23.8)
-1.5 m (-4.9 ft)	kg lb	*4700 *10360	*4700 *10360	*9190 *20260	5620 12390	5430 11970	3070 6770	3520 7760	2060 4540	*2860 *6310	1760 3880	6.75 (22.1)
-3.0 m (-9.8 ft)	kg lb	*7750 *17090	*7750 *17090	*7480 *16490	5680 12520	*5180 *11420	3080 6790			*3530 *7780	2170 4780	5.83 (19.1)

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.

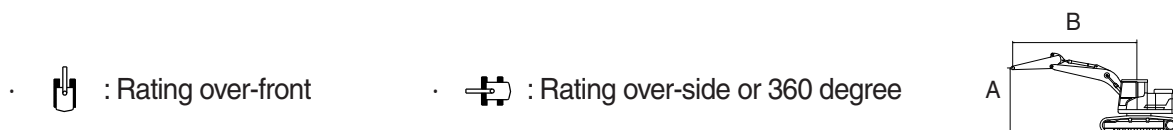
Lifting capacities will vary with different work tools, ground conditions and attachments.









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	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2100	3300	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9. ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m (19.7 ft)	kg lb			*3710 *8180	*3710 *8180			*3020 *6660	*3020 *6660	4.72 (15.5)
4.5 m (14.8 ft)	kg lb	*5620 *12390	*5620 *12390	*4910 *10820	3960 8730			*2830 *6240	2640 5820	5.81 (19.1)
3.0 m (9.8 ft)	kg lb	*8090 *17840	7000 15430	*5560 *12260	3780 8330	3990 8800	2460 5420	*2870 *6330	2240 4940	6.37 (20.9)
1.5 m (4.9 ft)	kg lb			6060 13360	3560 7850	3900 8600	2380 5250	*3110 *6860	2090 4610	6.55 (21.5)
0.0 m (0.0 ft)	kg lb	*7250 *15980	6190 13650	5900 13010	3430 7560	3830 8440	2310 5090	3520 7760	2140 4720	6.37 (20.9)
-1.5 m (-4.9 ft)	kg lb	*8140 *17950	6210 13690	*5790 *12760	3390 7470			4020 8860	2420 5340	5.80 (19.0)
-3.0 m (-9.8 ft)	kg lb	*5710 *12590	*5710 *12590	*3940 *8690	3470 7650			*3630 *8000	3280 7230	4.70 (15.4)

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.

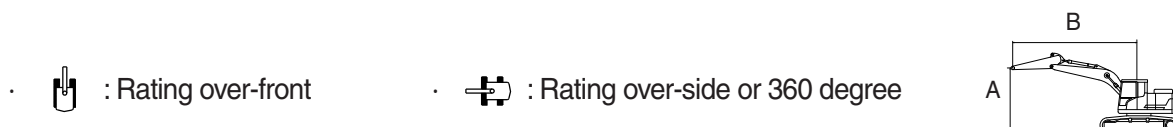
Lifting capacities will vary with different work tools, ground conditions and attachments.











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	
HX145A LCR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	3300	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2780 *6130	*2780 *6130	3.54 (11.6)
6.0 m (19.7 ft)	kg lb					*3640 *8020	*3640 *8020			*2180 *4810	*2180 *4810	5.35 (17.6)
4.5 m (14.8 ft)	kg lb			*3990 *8800	*3990 *8800	*4250 *9370	4000 8820	*3090 *6810	2530 5580	*2020 *4450	*2020 *4450	6.33 (20.8)
3.0 m (9.8 ft)	kg lb			*7380 *16270	7160 15790	*5270 *11620	3820 8420	4010 8840	2470 5450	*2010 *4430	2000 4410	6.85 (22.5)
1.5 m (4.9 ft)	kg lb			*8750 *19290	6490 14310	*6060 *13360	3590 7910	3910 8620	2380 5250	*2120 *4670	1890 4170	7.02 (23.0)
0.0 m (0.0 ft)	kg lb			*7040 *15520	6200 13670	5900 13010	3430 7560	3820 8420	2300 5070	*2370 *5220	1920 4230	6.85 (22.5)
-1.5 m (-4.9 ft)	kg lb	*4910 *10820	*4910 *10820	*8720 *19220	6170 13600	5840 12870	3370 7430	3800 8380	2280 5030	*2890 *6370	2130 4700	6.32 (20.8)
-3.0 m (-9.8 ft)	kg lb			*6600 *14550	6270 13820	*4620 *10190	3410 7520			*3430 *7560	2720 6000	5.34 (17.5)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

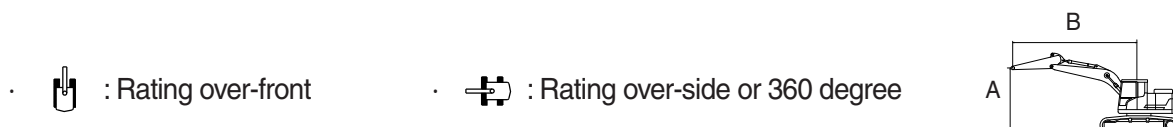
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

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

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



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2450 *5400	*2450 *5400	4.26 (14.0)
6.0 m (19.7 ft)	kg lb					*3290 *7250	*3290 *7250			*2070 *4560	*2070 *4560	5.85 (19.2)
4.5 m (14.8 ft)	kg lb					*3580 *7890	*3580 *7890	*3180 *7010	2580 5690	*1960 *4320	*1960 *4320	6.76 (22.2)
3.0 m (9.8 ft)	kg lb			*5700 *12570	*5700 *12570	*4850 *10690	3880 8550	*4000 *8820	2500 5510	*1980 *4370	1840 4060	7.25 (23.8)
1.5 m (4.9 ft)	kg lb			*8880 *19580	6630 14620	*5760 *12700	3630 8000	3920 8640	2390 5270	*2100 *4630	1740 3840	7.40 (24.3)
0.0 m (0.0 ft)	kg lb			*8300 *18300	6190 13650	5910 13030	3420 7540	3810 8400	2290 5050	*2360 *5200	1750 3860	7.24 (23.8)
-1.5 m (-4.9 ft)	kg lb	*4700 *10360	*4700 *10360	*9190 *20260	6080 13400	5790 12760	3330 7340	3760 8290	2240 4940	*2860 *6310	1920 4230	6.75 (22.1)
-3.0 m (-9.8 ft)	kg lb	*7750 *17090	*7750 *17090	*7480 *16490	6140 13540	*5180 *11420	3330 7340			*3530 *7780	2350 5180	5.83 (19.1)

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.

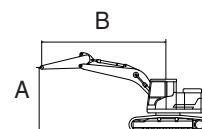
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.









2) HX145A LCR, 2-PIECE BOOM

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	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 lb	*5010 *11050	*5010 *11050					*4600 *10140	*4600 *10140	3.56 (11.7)
6.0 m (19.7 ft)	kg lb			*4170 *9190	*4170 *9190			*3600 *7940	3220 7100	5.37 (17.6)
4.5 m (14.8 ft)	kg lb	*5300 *11680	*5300 *11680	*4460 *9830	4220 9300	*3990 *8800	2690 5930	*3320 *7320	2440 5380	6.34 (20.8)
3.0 m (9.8 ft)	kg lb			*5220 *11510	3980 8770	4160 9170	2610 5750	*3280 *7230	2120 4670	6.86 (22.5)
1.5 m (4.9 ft)	kg lb			*5980 *13180	3730 8220	4040 8910	2510 5530	3200 7050	2000 4410	7.03 (23.1)
0.0 m (0.0 ft)	kg lb			6070 13380	3580 7890	3960 8730	2430 5360	3270 7210	2030 4480	6.86 (22.5)
-1.5 m (-4.9 ft)	kg lb	*7840 *17280	6510 14350	*5900 *13010	3550 7830	3940 8690	2410 5310	3660 8070	2260 4980	6.34 (20.8)
-3.0 m (-9.8 ft)	kg lb			*4700 *10360	3620 7980					

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	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4939	2500	2800	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							*3080 *6790	*3080 *6790	4.31 (14.1)
6.0 m (19.7 ft)	kg lb			*3790 *8360	*3790 *8360			*2500 *5510	*2500 *5510	5.89 (19.3)
4.5 m (14.8 ft)	kg lb	*3800 *8380	*3800 *8380	*4130 *9110	*4130 *9110	*3730 *8220	2710 5970	*2310 *5090	2190 4830	6.79 (22.3)
3.0 m (9.8 ft)	kg lb	*7170 *15810	*7170 *15810	*4910 *10820	4020 8860	*4010 *8840	2620 5780	*2270 *5000	1920 4230	7.28 (23.9)
1.5 m (4.9 ft)	kg lb			*5750 *12680	3750 8270	4040 8910	2500 5510	*2350 *5180	1820 4010	7.43 (24.4)
0.0 m (0.0 ft)	kg lb	*3940 *8690	*3940 *8690	6060 13360	3560 7850	3930 8660	2400 5290	*2550 *5620	1840 4060	7.27 (23.9)
-1.5 m (-4.9 ft)	kg lb	*7150 *15760	6410 14130	5980 13180	3500 7720	3890 8580	2370 5220	*2970 *6550	2020 4450	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7140 *15740	6520 14370	*5090 *11220	3540 7800					

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	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		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	3.56 (11.7)
6.0 m (19.7 ft)	kg lb			*4170 *9190	*4170 *9190			*3600 *7940	3500 7720	5.37 (17.6)
4.5 m (14.8 ft)	kg lb	*5300 *11680	*5300 *11680	*4460 *9830	*4460 *9830	*3990 *8800	2930 6460	*3320 *7320	2670 5890	6.34 (20.8)
3.0 m (9.8 ft)	kg lb			*5220 *11510	4330 9550	*4200 *9260	2850 6280	*3280 *7230	2320 5110	6.86 (22.5)
1.5 m (4.9 ft)	kg lb			*5980 *13180	4080 8990	4350 9590	2750 6060	*3420 *7540	2190 4830	7.03 (23.1)
0.0 m (0.0 ft)	kg lb			*6250 *13780	3930 8660	4260 9390	2670 5890	3530 7780	2240 4940	6.86 (22.5)
-1.5 m (-4.9 ft)	kg lb	*7840 *17280	7120 15700	*5900 *13010	3890 8580	*4240 *9350	2660 5860	*3830 *8440	2480 5470	6.34 (20.8)
-3.0 m (-9.8 ft)	kg lb			*4700 *10360	3960 8730					

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	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4939	2500	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							*3080 *6790	*3080 *6790	4.31 (14.1)
6.0 m (19.7 ft)	kg lb			*3790 *8360	*3790 *8360			*2500 *5510	*2500 *5510	5.89 (19.3)
4.5 m (14.8 ft)	kg lb	*3800 *8380	*3800 *8380	*4130 *9110	*4130 *9110	*3730 *8220	2950 6500	*2310 *5090	*2310 *5090	6.79 (22.3)
3.0 m (9.8 ft)	kg lb	*7170 *15810	*7170 *15810	*4910 *10820	4370 9630	*4010 *8840	2860 6310	*2270 *5000	2110 4650	7.28 (23.9)
1.5 m (4.9 ft)	kg lb			*5750 *12680	4090 9020	4340 9570	2740 6040	*2350 *5180	2000 4410	7.43 (24.4)
0.0 m (0.0 ft)	kg lb	*3940 *8690	*3940 *8690	*6180 *13620	3910 8620	4240 9350	2640 5820	*2550 *5620	2040 4500	7.27 (23.9)
-1.5 m (-4.9 ft)	kg lb	*7150 *15760	7020 15480	*6010 *13250	3840 8470	4200 9260	2610 5750	*2970 *6550	2230 4920	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7140 *15740	7130 15720	*5090 *11220	3880 8550					

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.

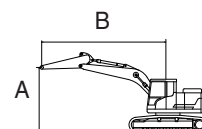
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.









3) HX145A LCRD, MONO BOOM

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCRD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		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		
		3.0 m (9. ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m (19.7 ft)	kg lb			*3710 *8180	*3710 *8180			*3020 *6660	*3020 *6660	4.72 (15.5)
4.5 m (14.8 ft)	kg lb	*5620 *12390	*5620 *12390	*4910 *10820	3950 8710			*2830 *6240	2630 5800	5.81 (19.1)
3.0 m (9.8 ft)	kg lb	*8090 *17840	6990 15410	*5560 *12260	3770 8310	*4520 *9960	2450 5400	*2870 *6330	2230 4920	6.37 (20.9)
1.5 m (4.9 ft)	kg lb			*6240 *13760	3550 7830	*4710 *10380	2370 5220	*3110 *6860	2090 4610	6.55 (21.5)
0.0 m (0.0 ft)	kg lb	*7250 *15980	6170 13600	*6400 *14110	3420 7540	*4650 *10250	2310 5090	*3630 *8000	2130 4700	6.37 (20.9)
-1.5 m (-4.9 ft)	kg lb	*8140 *17950	6190 13650	*5790 *12760	3380 7450			*4140 *9130	2410 5310	5.80 (19.0)
-3.0 m (-9.8 ft)	kg lb	*5710 *12590	*5710 *12590	*3940 *8690	3470 7650			*3630 *8000	3270 7210	4.70 (15.4)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

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









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

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 LCRD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2100	2800	600	-	Up	-	-	-



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9. ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m (19.7 ft)	kg lb			*3710 *8180	*3710 *8180			*3020 *6660	*3020 *6660	4.72 (15.5)
4.5 m (14.8 ft)	kg lb	*5620 *12390	*5620 *12390	*4910 *10820	3950 8710			*2830 *6240	2630 5800	5.81 (19.1)
3.0 m (9.8 ft)	kg lb	*8090 *17840	6990 15410	*5560 *12260	3770 8310	3830 8440	2450 5400	*2870 *6330	2230 4920	6.37 (20.9)
1.5 m (4.9 ft)	kg lb			5810 12810	3550 7830	3740 8250	2370 5220	*3110 *6860	2090 4610	6.55 (21.5)
0.0 m (0.0 ft)	kg lb	*7250 *15980	6170 13600	5650 12460	3420 7540	3670 8090	2310 5090	3370 7430	2130 4700	6.37 (20.9)
-1.5 m (-4.9 ft)	kg lb	*8140 *17950	6190 13650	5610 12370	3380 7450			3850 8490	2410 5310	5.80 (19.0)
-3.0 m (-9.8 ft)	kg lb	*5710 *12590	*5710 *12590	*3940 *8690	3470 7650			*3630 *8000	3270 7210	4.70 (15.4)

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



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2780 *6130	*2780 *6130	3.54 (11.6)
6.0 m (19.7 ft)	kg lb					*3640 *8020	*3640 *8020			*2180 *4810	*2180 *4810	5.35 (17.6)
4.5 m (14.8 ft)	kg lb			*3990 *8800	*3990 *8800	*4250 *9370	4000 8820	*3090 *6810	2520 5560	*2020 *4450	*2020 *4450	6.33 (20.8)
3.0 m (9.8 ft)	kg lb			*7380 *16270	7150 15760	*5260 *11600	3800 8380	*4330 *9550	2460 5420	*2010 *4430	1990 4390	6.85 (22.5)
1.5 m (4.9 ft)	kg lb			*8750 *19290	6460 14240	*6050 *13340	3570 7870	*4600 *10140	2370 5220	*2120 *4670	1870 4120	7.02 (23.0)
0.0 m (0.0 ft)	kg lb			*7040 *15520	6160 13580	*6380 *14070	3410 7520	*4670 *10300	2290 5050	*2370 *5220	1910 4210	6.85 (22.5)
-1.5 m (-4.9 ft)	kg lb	*4910 *10820	*4910 *10820	*8690 *19160	6130 13510	*5990 *13210	3350 7390	*4210 *9280	2260 4980	*2890 *6370	2120 4670	6.32 (20.8)
-3.0 m (-9.8 ft)	kg lb			*6570 *14480	6230 13730	*4600 *10140	3390 7470			*3410 *7520	2710 5970	5.34 (17.5)

Note 1. Lifting capacity are based on ISO 10567.

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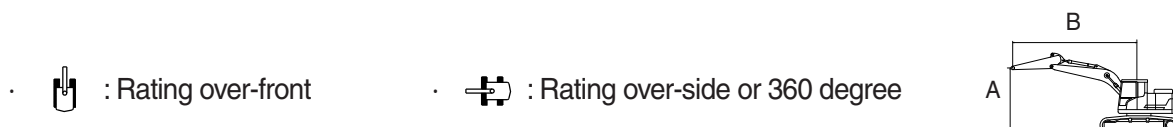
Lifting capacities will vary with different work tools, ground conditions and attachments.











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



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2780 *6130	*2780 *6130	3.54 (11.6)
6.0 m (19.7 ft)	kg lb					*3640 *8020	*3640 *8020			*2180 *4810	*2180 *4810	5.35 (17.6)
4.5 m (14.8 ft)	kg lb			*3990 *8800	*3990 *8800	*4250 *9370	4000 8820	*3090 *6810	2520 5560	*2020 *4450	*2020 *4450	6.33 (20.8)
3.0 m (9.8 ft)	kg lb			*7380 *16270	7150 15760	*5260 *11600	3800 8380	3840 8470	2460 5420	*2010 *4430	1990 4390	6.85 (22.5)
1.5 m (4.9 ft)	kg lb			*8750 *19290	6460 14240	5840 12870	3570 7870	3730 8220	2370 5220	*2120 *4670	1870 4120	7.02 (23.0)
0.0 m (0.0 ft)	kg lb			*7040 *15520	6160 13580	5640 12430	3410 7520	3650 8050	2290 5050	*2370 *5220	1910 4210	6.85 (22.5)
-1.5 m (-4.9 ft)	kg lb	*4910 *10820	*4910 *10820	*8690 *19160	6130 13510	5570 12280	3350 7390	3620 7980	2260 4980	*2890 *6370	2120 4670	6.32 (20.8)
-3.0 m (-9.8 ft)	kg lb			*6570 *14480	6230 13730	*4600 *10140	3390 7470			*3410 *7520	2710 5970	5.34 (17.5)

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



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2450 *5400	*2450 *5400	4.26 (14.0)
6.0 m (19.7 ft)	kg lb					*3290 *7250	*3290 *7250			*2070 *4560	*2070 *4560	5.85 (19.2)
4.5 m (14.8 ft)	kg lb					*3580 *7890	*3580 *7890	*3180 *7010	2570 5670	*1960 *4320	*1960 *4320	6.76 (22.2)
3.0 m (9.8 ft)	kg lb			*5700 *12570	*5700 *12570	*4850 *10690	3870 8530	*4000 *8820	2490 5490	*1980 *4370	1830 4030	7.25 (23.8)
1.5 m (4.9 ft)	kg lb			*8880 *19580	6620 14590	*5760 *12700	3620 7980	*4450 *9810	2380 5250	*2100 *4630	1730 3810	7.40 (24.3)
0.0 m (0.0 ft)	kg lb			*8300 *18300	6180 13620	*6300 *13890	3410 7520	*4650 *10250	2280 5030	*2360 *5200	1750 3860	7.24 (23.8)
-1.5 m (-4.9 ft)	kg lb	*4700 *10360	*4700 *10360	*9190 *20260	6070 13380	*6170 *13600	3320 7320	*4440 *9790	2230 4920	*2860 *6310	1910 4210	6.75 (22.1)
-3.0 m (-9.8 ft)	kg lb	*7750 *17090	*7750 *17090	*7480 *16490	6120 13490	*5180 *11420	3330 7340			*3530 *7780	2350 5180	5.83 (19.1)

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



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2450 *5400	*2450 *5400	4.26 (14.0)
6.0 m (19.7 ft)	kg lb					*3290 *7250	*3290 *7250			*2070 *4560	*2070 *4560	5.85 (19.2)
4.5 m (14.8 ft)	kg lb					*3580 *7890	*3580 *7890	*3180 *7010	2570 5670	*1960 *4320	*1960 *4320	6.76 (22.2)
3.0 m (9.8 ft)	kg lb			*5700 *12570	*5700 *12570	*4850 *10690	3870 8530	3880 8550	2490 5490	*1980 *4370	1830 4030	7.25 (23.8)
1.5 m (4.9 ft)	kg lb			*8880 *19580	6620 14590	*5760 *12700	3620 7980	3750 8270	2380 5250	*2100 *4630	1730 3810	7.40 (24.3)
0.0 m (0.0 ft)	kg lb			*8300 *18300	6180 13620	5660 12480	3410 7520	3650 8050	2280 5030	*2360 *5200	1750 3860	7.24 (23.8)
-1.5 m (-4.9 ft)	kg lb	*4700 *10360	*4700 *10360	*9190 *20260	6070 13380	5550 12240	3320 7320	3590 7910	2230 4920	*2860 *6310	1910 4210	6.75 (22.1)
-3.0 m (-9.8 ft)	kg lb	*7750 *17090	*7750 *17090	*7480 *16490	6120 13490	*5180 *11420	3330 7340			*3530 *7780	2350 5180	5.83 (19.1)

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



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9. ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m (19.7 ft)	kg lb			*3710 *8180	*3710 *8180			*3020 *6660	*3020 *6660	4.72 (15.5)
4.5 m (14.8 ft)	kg lb	*5620 *12390	*5620 *12390	*4910 *10820	4210 9280			*2830 *6240	2820 6220	5.81 (19.1)
3.0 m (9.8 ft)	kg lb	*8090 *17840	7440 16400	*5560 *12260	4030 8880	*4520 *9960	2630 5800	*2870 *6330	2400 5290	6.37 (20.9)
1.5 m (4.9 ft)	kg lb			*6240 *13760	3810 8400	*4710 *10380	2550 5620	*3110 *6860	2250 4960	6.55 (21.5)
0.0 m (0.0 ft)	kg lb	*7250 *15980	6630 14620	*6400 *14110	3670 8090	*4650 *10250	2490 5490	*3630 *8000	2300 5070	6.37 (20.9)
-1.5 m (-4.9 ft)	kg lb	*8140 *17950	6650 14660	*5790 *12760	3640 8020			*4140 *9130	2600 5730	5.80 (19.0)
-3.0 m (-9.8 ft)	kg lb	*5710 *12590	*5710 *12590	*3940 *8690	3720 8200			*3630 *8000	3520 7760	4.70 (15.4)

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



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9. ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m (19.7 ft)	kg lb			*3710 *8180	*3710 *8180			*3020 *6660	*3020 *6660	4.72 (15.5)
4.5 m (14.8 ft)	kg lb	*5620 *12390	*5620 *12390	*4910 *10820	4210 9280			*2830 *6240	2820 6220	5.81 (19.1)
3.0 m (9.8 ft)	kg lb	*8090 *17840	7440 16400	*5560 *12260	4030 8880	4070 8970	2630 5800	*2870 *6330	2400 5290	6.37 (20.9)
1.5 m (4.9 ft)	kg lb			6170 13600	3810 8400	3980 8770	2550 5620	*3110 *6860	2250 4960	6.55 (21.5)
0.0 m (0.0 ft)	kg lb	*7250 *15980	6630 14620	6010 13250	3670 8090	3910 8620	2490 5490	3590 7910	2300 5070	6.37 (20.9)
-1.5 m (-4.9 ft)	kg lb	*8140 *17950	6650 14660	*5790 *12760	3640 8020			4100 9040	2600 5730	5.80 (19.0)
-3.0 m (-9.8 ft)	kg lb	*5710 *12590	*5710 *12590	*3940 *8690	3720 8200			*3630 *8000	3520 7760	4.70 (15.4)

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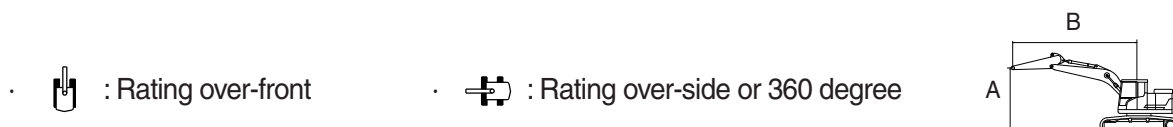
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCRD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	3300	600	-	Down	-	-	-



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)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2780 *6130	*2780 *6130	3.54 (11.6)
6.0 m (19.7 ft)	kg lb					*3640 *8020	*3640 *8020			*2180 *4810	*2180 *4810	5.35 (17.6)
4.5 m (14.8 ft)	kg lb			*3990 *8800	*3990 *8800	*4250 *9370	*4250 *9370	*3090 *6810	2700 5950	*2020 *4450	*2020 *4450	6.33 (20.8)
3.0 m (9.8 ft)	kg lb			*7380 *16270	*7380 *16270	*5260 *11600	4060 8950	*4330 *9550	2640 5820	*2010 *4430	*2010 *4430	6.85 (22.5)
1.5 m (4.9 ft)	kg lb			*8750 *19290	6910 15230	*6050 *13340	3830 8440	*4600 *10140	2540 5600	*2120 *4670	2020 4450	7.02 (23.0)
0.0 m (0.0 ft)	kg lb			*7040 *15520	6620 14590	*6380 *14070	3660 8070	*4670 *10300	2470 5450	*2370 *5220	2060 4540	6.85 (22.5)
-1.5 m (-4.9 ft)	kg lb	*4910 *10820	*4910 *10820	*8690 *19160	6590 14530	*5990 *13210	3600 7940	*4210 *9280	2440 5380	*2890 *6370	2280 5030	6.32 (20.8)
-3.0 m (-9.8 ft)	kg lb			*6570 *14480	*6570 *14480	*4600 *10140	3650 8050			*3410 *7520	2910 6420	5.34 (17.5)

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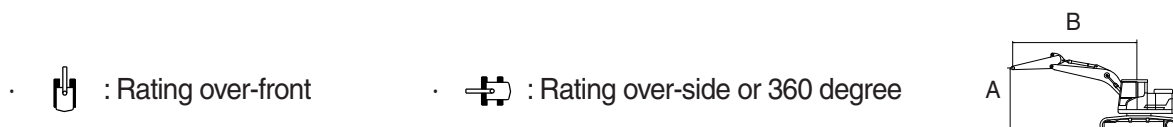
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCRD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	3300	600	-	Up	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2780 *6130	*2780 *6130	3.54 (11.6)
6.0 m (19.7 ft)	kg lb					*3640 *8020	*3640 *8020			*2180 *4810	*2180 *4810	5.35 (17.6)
4.5 m (14.8 ft)	kg lb			*3990 *8800	*3990 *8800	*4250 *9370	*4250 *9370	*3090 *6810	2700 5950	*2020 *4450	*2020 *4450	6.33 (20.8)
3.0 m (9.8 ft)	kg lb			*7380 *16270	*7380 *16270	*5260 *11600	4060 8950	4080 8990	2640 5820	*2010 *4430	*2010 *4430	6.85 (22.5)
1.5 m (4.9 ft)	kg lb			*8750 *19290	6910 15230	*6050 *13340	3830 8440	3970 8750	2540 5600	*2120 *4670	2020 4450	7.02 (23.0)
0.0 m (0.0 ft)	kg lb			*7040 *15520	6620 14590	6010 13250	3660 8070	3890 8580	2470 5450	*2370 *5220	2060 4540	6.85 (22.5)
-1.5 m (-4.9 ft)	kg lb	*4910 *10820	*4910 *10820	*8690 *19160	6590 14530	5940 13100	3600 7940	3860 8510	2440 5380	*2890 *6370	2280 5030	6.32 (20.8)
-3.0 m (-9.8 ft)	kg lb			*6570 *14480	*6570 *14480	*4600 *10140	3650 8050			*3410 *7520	2910 6420	5.34 (17.5)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

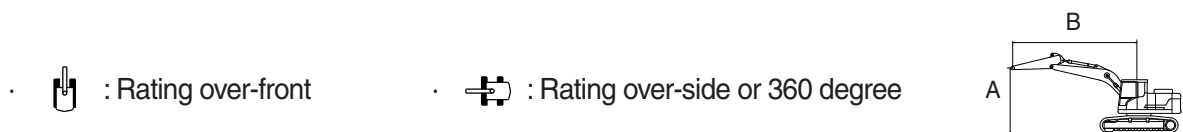
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCRD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	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)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2450 *5400	*2450 *5400	4.26 (14.0)
6.0 m (19.7 ft)	kg lb					*3290 *7250	*3290 *7250			*2070 *4560	*2070 *4560	5.85 (19.2)
4.5 m (14.8 ft)	kg lb					*3580 *7890	*3580 *7890	*3180 *7010	2750 6060	*1960 *4320	*1960 *4320	6.76 (22.2)
3.0 m (9.8 ft)	kg lb			*5700 *12570	*5700 *12570	*4850 *10690	4130 9110	*4000 *8820	2670 5890	*1980 *4370	*1980 *4370	7.25 (23.8)
1.5 m (4.9 ft)	kg lb			*8880 *19580	7070 15590	*5760 *12700	3880 8550	*4450 *9810	2560 5640	*2100 *4630	1870 4120	7.40 (24.3)
0.0 m (0.0 ft)	kg lb			*8300 *18300	6640 14640	*6300 *13890	3670 8090	*4650 *10250	2460 5420	*2360 *5200	1890 4170	7.24 (23.8)
-1.5 m (-4.9 ft)	kg lb	*4700 *10360	*4700 *10360	*9190 *20260	6520 14370	*6170 *13600	3570 7870	*4440 *9790	2410 5310	*2860 *6310	2070 4560	6.75 (22.1)
-3.0 m (-9.8 ft)	kg lb	*7750 *17090	*7750 *17090	*7480 *16490	6580 14510	*5180 *11420	3580 7890			*3530 *7780	2530 5580	5.83 (19.1)

Note 1. Lifting capacity are based on ISO 10567.

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

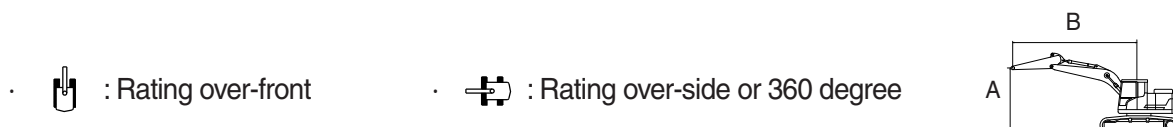
Lifting capacities will vary with different work tools, ground conditions and attachments.











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 LCRD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	3300	600	-	Up	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2450 *5400	*2450 *5400	4.26 (14.0)
6.0 m (19.7 ft)	kg lb					*3290 *7250	*3290 *7250			*2070 *4560	*2070 *4560	5.85 (19.2)
4.5 m (14.8 ft)	kg lb					*3580 *7890	*3580 *7890	*3180 *7010	2750 6060	*1960 *4320	*1960 *4320	6.76 (22.2)
3.0 m (9.8 ft)	kg lb			*5700 *12570	*5700 *12570	*4850 *10690	4130 9110	*4000 *8820	2670 5890	*1980 *4370	*1980 *4370	7.25 (23.8)
1.5 m (4.9 ft)	kg lb			*8880 *19580	7070 15590	*5760 *12700	3880 8550	3990 8800	2560 5640	*2100 *4630	1870 4120	7.40 (24.3)
0.0 m (0.0 ft)	kg lb			*8300 *18300	6640 14640	6020 13270	3670 8090	3890 8580	2460 5420	*2360 *5200	1890 4170	7.24 (23.8)
-1.5 m (-4.9 ft)	kg lb	*4700 *10360	*4700 *10360	*9190 *20260	6520 14370	5910 13030	3570 7870	3830 8440	2410 5310	*2860 *6310	2070 4560	6.75 (22.1)
-3.0 m (-9.8 ft)	kg lb	*7750 *17090	*7750 *17090	*7480 *16490	6580 14510	*5180 *11420	3580 7890			*3530 *7780	2530 5580	5.83 (19.1)

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.

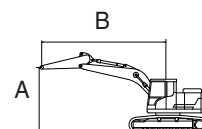
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.









4) HX145A LCRD, 2-PIECE BOOM

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCRD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		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 lb	*5010 *11050	*5010 *11050					*4600 *10140	*4600 *10140	3.56 (11.7)
6.0 m (19.7 ft)	kg lb			*4170 *9190	*4170 *9190			*3600 *7940	3420 7540	5.37 (17.6)
4.5 m (14.8 ft)	kg lb	*5300 *11680	*5300 *11680	*4460 *9830	*4460 *9830	*3990 *8800	2860 6310	*3320 *7320	2600 5730	6.34 (20.8)
3.0 m (9.8 ft)	kg lb			*5220 *11510	4230 9330	*4200 *9260	2790 6150	*3280 *7230	2260 4980	6.86 (22.5)
1.5 m (4.9 ft)	kg lb			*5980 *13180	3980 8770	*4490 *9900	2680 5910	*3420 *7540	2140 4720	7.03 (23.1)
0.0 m (0.0 ft)	kg lb			*6250 *13780	3830 8440	*4600 *10140	2600 5730	*3770 *8310	2180 4810	6.86 (22.5)
-1.5 m (-4.9 ft)	kg lb	*7840 *17280	6950 15320	*5900 *13010	3800 8380	*4240 *9350	2590 5710	*3830 *8440	2420 5340	6.34 (20.8)
-3.0 m (-9.8 ft)	kg lb			*4700 *10360	3860 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.

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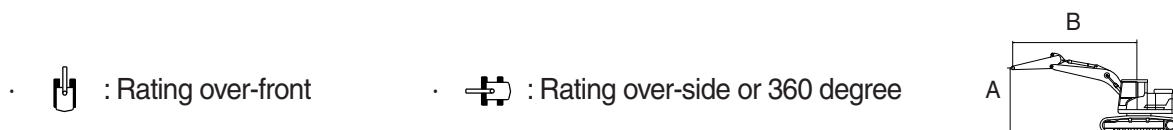
Lifting capacities will vary with different work tools, ground conditions and attachments.









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

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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCRD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4939	2100	2800	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	3.56 (11.7)
6.0 m (19.7 ft)	kg lb			*4170 *9190	*4170 *9190			*3600 *7940	3420 7540	5.37 (17.6)
4.5 m (14.8 ft)	kg lb	*5300 *11680	*5300 *11680	*4460 *9830	*4460 *9830	*3990 *8800	2860 6310	*3320 *7320	2600 5730	6.34 (20.8)
3.0 m (9.8 ft)	kg lb			*5220 *11510	4230 9330	*4200 *9260	2790 6150	*3280 *7230	2260 4980	6.86 (22.5)
1.5 m (4.9 ft)	kg lb			*5980 *13180	3980 8770	4120 9080	2680 5910	3260 7190	2140 4720	7.03 (23.1)
0.0 m (0.0 ft)	kg lb			6190 13650	3830 8440	4030 8880	2600 5730	3340 7360	2180 4810	6.86 (22.5)
-1.5 m (-4.9 ft)	kg lb	*7840 *17280	6950 15320	*5900 *13010	3800 8380	4010 8840	2590 5710	3730 8220	2420 5340	6.34 (20.8)
-3.0 m (-9.8 ft)	kg lb			*4700 *10360	3860 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.

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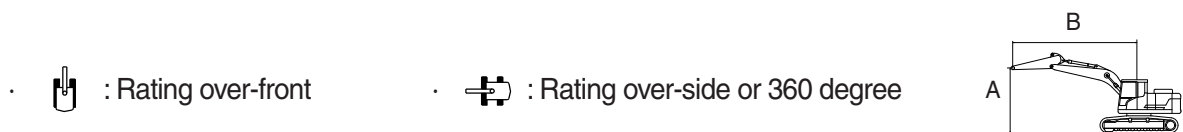
Lifting capacities will vary with different work tools, ground conditions and attachments.









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

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

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

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



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
7.5 m (24.6 ft)	kg lb							*3080 *6790	*3080 *6790	4.31 (14.1)
6.0 m (19.7 ft)	kg lb			*3790 *8360	*3790 *8360			*2500 *5510	*2500 *5510	5.89 (19.3)
4.5 m (14.8 ft)	kg lb	*3800 *8380	*3800 *8380	*4130 *9110	*4130 *9110	*3730 *8220	2880 6350	*2310 *5090	*2310 *5090	6.79 (22.3)
3.0 m (9.8 ft)	kg lb	*7170 *15810	*7170 *15810	*4910 *10820	4270 9410	*4010 *8840	2790 6150	*2270 *5000	2060 4540	7.28 (23.9)
1.5 m (4.9 ft)	kg lb			*5750 *12680	3990 8800	*4350 *9590	2670 5890	*2350 *5180	1950 4300	7.43 (24.4)
0.0 m (0.0 ft)	kg lb	*3940 *8690	*3940 *8690	*6180 *13620	3810 8400	*4550 *10030	2580 5690	*2550 *5620	1980 4370	7.27 (23.9)
-1.5 m (-4.9 ft)	kg lb	*7150 *15760	6850 15100	*6010 *13250	3740 8250	*4370 *9630	2540 5600	*2970 *6550	2170 4780	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7140 *15740	6960 15340	*5090 *11220	3780 8330					

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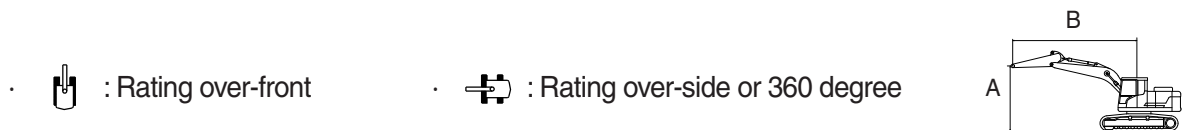
Lifting capacities will vary with different work tools, ground conditions and attachments.









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

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 LCRD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4939	2500	2800	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							*3080 *6790	*3080 *6790	4.31 (14.1)
6.0 m (19.7 ft)	kg lb			*3790 *8360	*3790 *8360			*2500 *5510	*2500 *5510	5.89 (19.3)
4.5 m (14.8 ft)	kg lb	*3800 *8380	*3800 *8380	*4130 *9110	*4130 *9110	*3730 *8220	2880 6350	*2310 *5090	*2310 *5090	6.79 (22.3)
3.0 m (9.8 ft)	kg lb	*7170 *15810	*7170 *15810	*4910 *10820	4270 9410	*4010 *8840	2790 6150	*2270 *5000	2060 4540	7.28 (23.9)
1.5 m (4.9 ft)	kg lb			*5750 *12680	3990 8800	4110 9060	2670 5890	*2350 *5180	1950 4300	7.43 (24.4)
0.0 m (0.0 ft)	kg lb	*3940 *8690	*3940 *8690	6170 13600	3810 8400	4010 8840	2580 5690	*2550 *5620	1980 4370	7.27 (23.9)
-1.5 m (-4.9 ft)	kg lb	*7150 *15760	6850 15100	*6010 *13250	3740 8250	3960 8730	2540 5600	*2970 *6550	2170 4780	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7140 *15740	6960 15340	*5090 *11220	3780 8330					

Note 1. Lifting capacity are based on ISO 10567.

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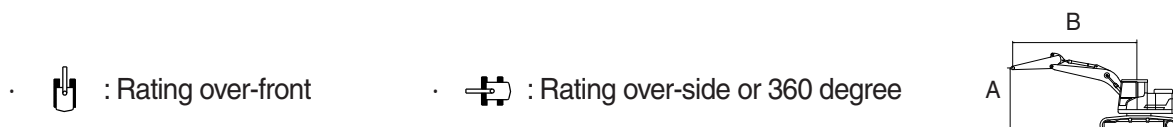
Lifting capacities will vary with different work tools, ground conditions and attachments.









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

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



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
7.5 m (24.6 ft)	kg lb	*5010 *11050	*5010 *11050					*4600 *10140	*4600 *10140	3.56 (11.7)
6.0 m (19.7 ft)	kg lb			*4170 *9190	*4170 *9190			*3600 *7940	*3600 *7940	5.37 (17.6)
4.5 m (14.8 ft)	kg lb	*5300 *11680	*5300 *11680	*4460 *9830	*4460 *9830	*3990 *8800	3100 6830	*3320 *7320	2830 6240	6.34 (20.8)
3.0 m (9.8 ft)	kg lb			*5220 *11510	4580 10100	*4200 *9260	3030 6680	*3280 *7230	2470 5450	6.86 (22.5)
1.5 m (4.9 ft)	kg lb			*5980 *13180	4330 9550	*4490 *9900	2920 6440	*3420 *7540	2340 5160	7.03 (23.1)
0.0 m (0.0 ft)	kg lb			*6250 *13780	4180 9220	*4600 *10140	2840 6260	*3770 *8310	2380 5250	6.86 (22.5)
-1.5 m (-4.9 ft)	kg lb	*7840 *17280	7560 16670	*5900 *13010	4140 9130	*4240 *9350	2830 6240	*3830 *8440	2650 5840	6.34 (20.8)
-3.0 m (-9.8 ft)	kg lb			*4700 *10360	4210 9280					

Note 1. Lifting capacity are based on ISO 10567.

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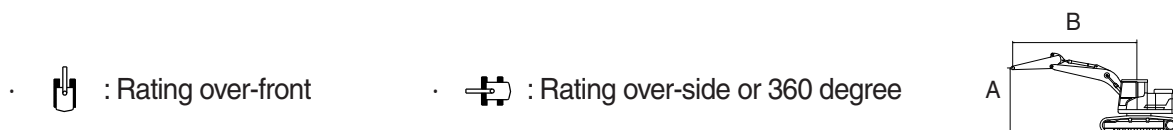
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCRD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4939	2100	3300	600	-	Up	-	-	-



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	3.56 (11.7)
6.0 m (19.7 ft)	kg lb			*4170 *9190	*4170 *9190			*3600 *7940	*3600 *7940	5.37 (17.6)
4.5 m (14.8 ft)	kg lb	*5300 *11680	*5300 *11680	*4460 *9830	*4460 *9830	*3990 *8800	3100 6830	*3320 *7320	2830 6240	6.34 (20.8)
3.0 m (9.8 ft)	kg lb			*5220 *11510	4580 10100	*4200 *9260	3030 6680	*3280 *7230	2470 5450	6.86 (22.5)
1.5 m (4.9 ft)	kg lb			*5980 *13180	4330 9550	4420 9740	2920 6440	*3420 *7540	2340 5160	7.03 (23.1)
0.0 m (0.0 ft)	kg lb			*6250 *13780	4180 9220	4340 9570	2840 6260	3590 7910	2380 5250	6.86 (22.5)
-1.5 m (-4.9 ft)	kg lb	*7840 *17280	7560 16670	*5900 *13010	4140 9130	*4240 *9350	2830 6240	*3830 *8440	2650 5840	6.34 (20.8)
-3.0 m (-9.8 ft)	kg lb			*4700 *10360	4210 9280					

Note 1. Lifting capacity are based on ISO 10567.

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4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

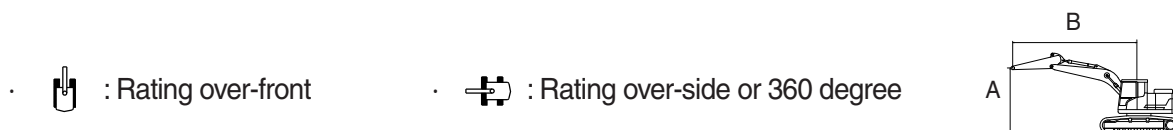
Lifting capacities will vary with different work tools, ground conditions and attachments.









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 LCRD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4939	2500	3300	600	-	Down	-	-	-



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
7.5 m (24.6 ft)	kg lb							*3080 *6790	*3080 *6790	4.31 (14.1)
6.0 m (19.7 ft)	kg lb			*3790 *8360	*3790 *8360			*2500 *5510	*2500 *5510	5.89 (19.3)
4.5 m (14.8 ft)	kg lb	*3800 *8380	*3800 *8380	*4130 *9110	*4130 *9110	*3730 *8220	3130 6900	*2310 *5090	*2310 *5090	6.79 (22.3)
3.0 m (9.8 ft)	kg lb	*7170 *15810	*7170 *15810	*4910 *10820	4620 10190	*4010 *8840	3030 6680	*2270 *5000	2250 4960	7.28 (23.9)
1.5 m (4.9 ft)	kg lb			*5750 *12680	4340 9570	*4350 *9590	2910 6420	*2350 *5180	2140 4720	7.43 (24.4)
0.0 m (0.0 ft)	kg lb	*3940 *8690	*3940 *8690	*6180 *13620	4150 9150	*4550 *10030	2820 6220	*2550 *5620	2170 4780	7.27 (23.9)
-1.5 m (-4.9 ft)	kg lb	*7150 *15760	*7150 *15760	*6010 *13250	4090 9020	*4370 *9630	2780 6130	*2970 *6550	2380 5250	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7140 *15740	*7140 *15740	*5090 *11220	4130 9110					

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

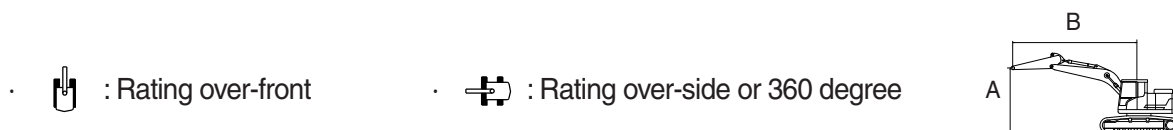
Lifting capacities will vary with different work tools, ground conditions and attachments.









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

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▲ 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 LCRD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4939	2500	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							*3080 *6790	*3080 *6790	4.31 (14.1)
6.0 m (19.7 ft)	kg lb			*3790 *8360	*3790 *8360			*2500 *5510	*2500 *5510	5.89 (19.3)
4.5 m (14.8 ft)	kg lb	*3800 *8380	*3800 *8380	*4130 *9110	*4130 *9110	*3730 *8220	3130 6900	*2310 *5090	*2310 *5090	6.79 (22.3)
3.0 m (9.8 ft)	kg lb	*7170 *15810	*7170 *15810	*4910 *10820	4620 10190	*4010 *8840	3030 6680	*2270 *5000	2250 4960	7.28 (23.9)
1.5 m (4.9 ft)	kg lb			*5750 *12680	4340 9570	*4350 *9590	2910 6420	*2350 *5180	2140 4720	7.43 (24.4)
0.0 m (0.0 ft)	kg lb	*3940 *8690	*3940 *8690	*6180 *13620	4150 9150	*4310 *9500	2820 6220	*2550 *5620	2170 4780	7.27 (23.9)
-1.5 m (-4.9 ft)	kg lb	*7150 *15760	*7150 *15760	*6010 *13250	4090 9020	4270 9410	2780 6130	*2970 *6550	2380 5250	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7140 *15740	*7140 *15740	*5090 *11220	4130 9110					

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

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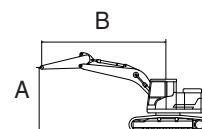
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5) HX145A LCR HW, MONO BOOM, 700 mm SHOE

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	2800	700	-	-	-	-	-

·  : 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	*3830 *8440	*3830 *8440					*3680 *8110	*3680 *8110	3.06 (10.0)
6.0 m (19.7 ft)	kg lb	*4880 *10760	*4880 *10760	*4190 *9240	*4190 *9240			*2960 *6530	*2960 *6530	4.97 (16.3)
4.5 m (14.8 ft)	kg lb	*6200 *13670	*6200 *13670	*5000 *11020	4440 9790			*2820 *6220	*2820 *6220	5.94 (19.5)
3.0 m (9.8 ft)	kg lb	*8530 *18810	7800 17200	*5700 *12570	4240 9350	4360 9610	2790 6150	*2900 *6390	2510 5530	6.43 (21.1)
1.5 m (4.9 ft)	kg lb			*6320 *13930	4030 8880	4270 9410	2710 5970	*3180 *7010	2400 5290	6.54 (21.5)
0.0 m (0.0 ft)	kg lb	*7890 *17390	7120 15700	*6350 *14000	3910 8620	4210 9280	2650 5840	*3770 *8310	2490 5490	6.29 (20.7)
-1.5 m (-4.9 ft)	kg lb	*7790 *17170	7160 15790	*5570 *12280	3900 8600			*4090 *9020	2880 6350	5.64 (18.5)
-3.0 m (-9.8 ft)	kg lb	*5070 *11180	*5070 *11180					*3430 *7560	*3430 *7560	4.41 (14.5)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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

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

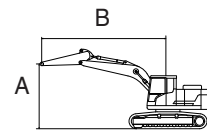
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2800	700	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2590 *5710	*2590 *5710	3.98 (13.0)
6.0 m (19.7 ft)	kg lb					*3760 *8290	*3760 *8290			*2140 *4720	*2140 *4720	5.58 (18.3)
4.5 m (14.8 ft)	kg lb			*4240 *9350	*4240 *9350	*4430 *9770	*4430 *9770	*3360 *7410	2870 6330	*2010 *4430	*2010 *4430	6.46 (21.2)
3.0 m (9.8 ft)	kg lb			*7830 *17260	*7830 *17260	*5420 *11950	4280 9440	4370 9630	2790 6150	*2020 *4450	*2020 *4450	6.91 (22.7)
1.5 m (4.9 ft)	kg lb			*7550 *16640	7320 16140	*6150 *13560	4050 8930	4270 9410	2700 5950	*2150 *4740	*2150 *4740	7.01 (23.0)
0.0 m (0.0 ft)	kg lb			*7400 *16310	7090 15630	*6370 *14040	3900 8600	4190 9240	2630 5800	*2440 *5380	2230 4920	6.78 (22.2)
-1.5 m (-4.9 ft)	kg lb	*5540 *12210	*5540 *12210	*8390 *18500	7090 15630	*5830 *12850	3860 8510	*4020 *8860	2620 5780	*3040 *6700	2520 5560	6.18 (20.3)
-3.0 m (-9.8 ft)	kg lb			*6020 *13270	*6020 *13270	*4160 *9170	3930 8660			*3270 *7210	*3270 *7210	5.09 (16.7)

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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
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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	3000	2800	700	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*2580 *5690	*2580 *5690			*2340 *5160	*2340 *5160	4.63 (15.2)
6.0 m (19.7 ft)	kg lb					*3320 *7320	*3320 *7320	*2170 *4780	*2170 *4780	*2040 *4500	*2040 *4500	6.05 (19.9)
4.5 m (14.8 ft)	kg lb					*3690 *8140	*3690 *8140	*3320 *7320	2910 6420	*1950 *4300	*1950 *4300	6.87 (22.6)
3.0 m (9.8 ft)	kg lb			*6930 *15280	*6930 *15280	*5030 *11090	4340 9570	*4160 *9170	2820 6220	*1990 *4390	*1990 *4390	7.30 (23.9)
1.5 m (4.9 ft)	kg lb			*9190 *20260	7460 16450	*5900 *13010	4090 9020	4280 9440	2710 5970	*2130 *4700	1990 4390	7.39 (24.3)
0.0 m (0.0 ft)	kg lb			*8330 *18360	7090 15630	*6330 *13960	3900 8600	4180 9220	2620 5780	*2420 *5340	2040 4500	7.18 (23.6)
-1.5 m (-4.9 ft)	kg lb	*5190 *11440	*5190 *11440	*8960 *19750	7010 15450	*6060 *13360	3820 8420	4140 9130	2580 5690	*3000 *6610	2270 5000	6.62 (21.7)
-3.0 m (-9.8 ft)	kg lb	*8440 *18610	*8440 *18610	*7030 *15500	*7030 *15500	*4870 *10740	3850 8490			*3460 *7630	2870 6330	5.61 (18.4)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

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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	700	-	-	-	-	-



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	*3830 *8440	*3830 *8440					*3680 *8110	*3680 *8110	3.06 (10.0)
6.0 m (19.7 ft)	kg lb	*4880 *10760	*4880 *10760	*4190 *9240	*4190 *9240			*2960 *6530	*2960 *6530	4.97 (16.3)
4.5 m (14.8 ft)	kg lb	*6200 *13670	*6200 *13670	*5000 *11020	4700 10360			*2820 *6220	*2820 *6220	5.94 (19.5)
3.0 m (9.8 ft)	kg lb	*8530 *18810	8270 18230	*5700 *12570	4500 9920	*4560 *10050	2970 6550	*2900 *6390	2680 5910	6.43 (21.1)
1.5 m (4.9 ft)	kg lb			*6320 *13930	4300 9480	4510 9940	2890 6370	*3180 *7010	2560 5640	6.54 (21.5)
0.0 m (0.0 ft)	kg lb	*7890 *17390	7580 16710	*6350 *14000	4180 9220	4450 9810	2830 6240	*3770 *8310	2660 5860	6.29 (20.7)
-1.5 m (-4.9 ft)	kg lb	*7790 *17170	7630 16820	*5570 *12280	4160 9170			*4090 *9020	3080 6790	5.64 (18.5)
-3.0 m (-9.8 ft)	kg lb	*5070 *11180	*5070 *11180					*3430 *7560	*3430 *7560	4.41 (14.5)

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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	2500	3300	700	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2590 *5710	*2590 *5710	3.98 (13.0)
6.0 m (19.7 ft)	kg lb					*3760 *8290	*3760 *8290			*2140 *4720	*2140 *4720	5.58 (18.3)
4.5 m (14.8 ft)	kg lb			*4240 *9350	*4240 *9350	*4430 *9770	*4430 *9770	*3360 *7410	3050 6720	*2010 *4430	*2010 *4430	6.46 (21.2)
3.0 m (9.8 ft)	kg lb			*7830 *17260	*7830 *17260	*5420 *11950	4540 10010	*4390 *9680	2980 6570	*2020 *4450	*2020 *4450	6.91 (22.7)
1.5 m (4.9 ft)	kg lb			*7550 *16640	*7550 *16640	*6150 *13560	4310 9500	4500 9920	2880 6350	*2150 *4740	*2150 *4740	7.01 (23.0)
0.0 m (0.0 ft)	kg lb			*7400 *16310	*7400 *16310	*6370 *14040	4160 9170	4420 9740	2810 6190	*2440 *5380	2380 5250	6.78 (22.2)
-1.5 m (-4.9 ft)	kg lb	*5540 *12210	*5540 *12210	*8390 *18500	7550 16640	*5830 *12850	4120 9080	*4020 *8860	2800 6170	*3040 *6700	2700 5950	6.18 (20.3)
-3.0 m (-9.8 ft)	kg lb			*6020 *13270	*6020 *13270	*4160 *9170	*4160 *9170			*3270 *7210	*3270 *7210	5.09 (16.7)

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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	3000	3300	700	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*2580 *5690	*2580 *5690			*2340 *5160	*2340 *5160	4.63 (15.2)
6.0 m (19.7 ft)	kg lb					*3320 *7320	*3320 *7320	*2170 *4780	*2170 *4780	*2040 *4500	*2040 *4500	6.05 (19.9)
4.5 m (14.8 ft)	kg lb					*3690 *8140	*3690 *8140	*3320 *7320	3090 6810	*1950 *4300	*1950 *4300	6.87 (22.6)
3.0 m (9.8 ft)	kg lb			*6930 *15280	*6930 *15280	*5030 *11090	4610 10160	*4160 *9170	3000 6610	*1990 *4390	*1990 *4390	7.30 (23.9)
1.5 m (4.9 ft)	kg lb			*9190 *20260	7930 17480	*5900 *13010	4350 9590	*4510 *9940	2890 6370	*2130 *4700	*2130 *4700	7.39 (24.3)
0.0 m (0.0 ft)	kg lb			*8330 *18360	7560 16670	*6330 *13960	4160 9170	4420 9740	2800 6170	*2420 *5340	2190 4830	7.18 (23.6)
-1.5 m (-4.9 ft)	kg lb	*5190 *11440	*5190 *11440	*8960 *19750	7480 16490	*6060 *13360	4080 8990	*4340 *9570	2760 6080	*3000 *6610	2430 5360	6.62 (21.7)
-3.0 m (-9.8 ft)	kg lb	*8440 *18610	*8440 *18610	*7030 *15500	*7030 *15500	*4870 *10740	4110 9060			*3460 *7630	3070 6770	5.61 (18.4)

Note 1. Lifting capacity are based on ISO 10567.

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

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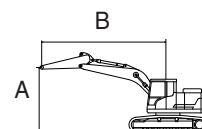
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.









6) HX145A LCR HW, MONO BOOM, 800 mm SHOE

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	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 lb	*3830 *8440	*3830 *8440					*3680 *8110	*3680 *8110	3.06 (10.0)
6.0 m (19.7 ft)	kg lb	*4880 *10760	*4880 *10760	*4190 *9240	*4190 *9240			*2960 *6530	*2960 *6530	4.97 (16.3)
4.5 m (14.8 ft)	kg lb	*6200 *13670	*6200 *13670	*5000 *11020	4500 9920			*2820 *6220	*2820 *6220	5.94 (19.5)
3.0 m (9.8 ft)	kg lb	*8530 *18810	7910 17440	*5700 *12570	4300 9480	4420 9740	2830 6240	*2900 *6390	2550 5620	6.43 (21.1)
1.5 m (4.9 ft)	kg lb			*6320 *13930	4090 9020	4330 9550	2750 6060	*3180 *7010	2430 5360	6.54 (21.5)
0.0 m (0.0 ft)	kg lb	*7890 *17390	7220 15920	*6350 *14000	3970 8750	4270 9410	2690 5930	*3770 *8310	2530 5580	6.29 (20.7)
-1.5 m (-4.9 ft)	kg lb	*7790 *17170	7260 16010	*5570 *12280	3960 8730			*4090 *9020	2930 6460	5.64 (18.5)
-3.0 m (-9.8 ft)	kg lb	*5070 *11180	*5070 *11180					*3430 *7560	*3430 *7560	4.41 (14.5)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

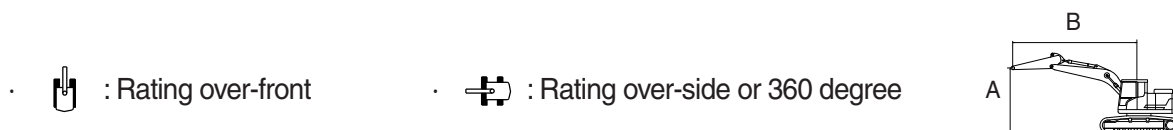
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145A LCR HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	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 lb									*2590 *5710	*2590 *5710	3.98 (13.0)
6.0 m (19.7 ft)	kg lb					*3760 *8290	*3760 *8290			*2140 *4720	*2140 *4720	5.58 (18.3)
4.5 m (14.8 ft)	kg lb			*4240 *9350	*4240 *9350	*4430 *9770	*4430 *9770	*3360 *7410	2910 6420	*2010 *4430	*2010 *4430	6.46 (21.2)
3.0 m (9.8 ft)	kg lb			*7830 *17260	*7830 *17260	*5420 *11950	4330 9550	*4390 *9680	2830 6240	*2020 *4450	*2020 *4450	6.91 (22.7)
1.5 m (4.9 ft)	kg lb			*7550 *16640	7420 16360	*6150 *13560	4100 9040	4330 9550	2740 6040	*2150 *4740	*2150 *4740	7.01 (23.0)
0.0 m (0.0 ft)	kg lb			*7400 *16310	7190 15850	*6370 *14040	3960 8730	4250 9370	2670 5890	*2440 *5380	2260 4980	6.78 (22.2)
-1.5 m (-4.9 ft)	kg lb	*5540 *12210	*5540 *12210	*8390 *18500	7190 15850	*5830 *12850	3910 8620	*4020 *8860	2660 5860	*3040 *6700	2560 5640	6.18 (20.3)
-3.0 m (-9.8 ft)	kg lb			*6020 *13270	*6020 *13270	*4160 *9170	3980 8770			*3270 *7210	*3270 *7210	5.09 (16.7)

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.

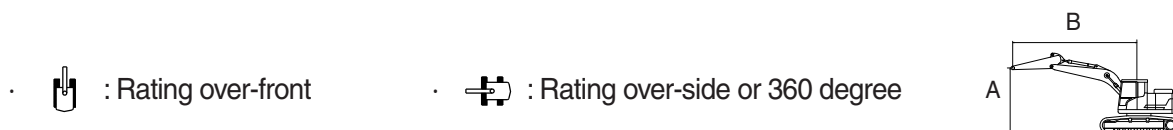
Lifting capacities will vary with different work tools, ground conditions and attachments.











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	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 lb					*2580 *5690	*2580 *5690			*2340 *5160	*2340 *5160	4.63 (15.2)
6.0 m (19.7 ft)	kg lb					*3320 *7320	*3320 *7320	*2170 *4780	*2170 *4780	*2040 *4500	*2040 *4500	6.05 (19.9)
4.5 m (14.8 ft)	kg lb					*3690 *8140	*3690 *8140	*3320 *7320	2950 6500	*1950 *4300	*1950 *4300	6.87 (22.6)
3.0 m (9.8 ft)	kg lb			*6930 *15280	*6930 *15280	*5030 *11090	4400 9700	*4160 *9170	2860 6310	*1990 *4390	*1990 *4390	7.30 (23.9)
1.5 m (4.9 ft)	kg lb			*9190 *20260	7560 16670	*5900 *13010	4140 9130	4340 9570	2750 6060	*2130 *4700	2030 4480	7.39 (24.3)
0.0 m (0.0 ft)	kg lb			*8330 *18360	7190 15850	*6330 *13960	3960 8730	4240 9350	2660 5860	*2420 *5340	2080 4590	7.18 (23.6)
-1.5 m (-4.9 ft)	kg lb	*5190 *11440	*5190 *11440	*8960 *19750	7120 15700	*6060 *13360	3880 8550	4200 9260	2620 5780	*3000 *6610	2310 5090	6.62 (21.7)
-3.0 m (-9.8 ft)	kg lb	*8440 *18610	*8440 *18610	*7030 *15500	*7030 *15500	*4870 *10740	3910 8620			*3460 *7630	2910 6420	5.61 (18.4)

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	
HX145A LCR HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2100	3300	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 lb	*3830 *8440	*3830 *8440					*3680 *8110	*3680 *8110	3.06 (10.0)
6.0 m (19.7 ft)	kg lb	*4880 *10760	*4880 *10760	*4190 *9240	*4190 *9240			*2960 *6530	*2960 *6530	4.97 (16.3)
4.5 m (14.8 ft)	kg lb	*6200 *13670	*6200 *13670	*5000 *11020	4760 10490			*2820 *6220	*2820 *6220	5.94 (19.5)
3.0 m (9.8 ft)	kg lb	*8530 *18810	8370 18450	*5700 *12570	4560 10050	*4560 *10050	3010 6640	*2900 *6390	2710 5970	6.43 (21.1)
1.5 m (4.9 ft)	kg lb			*6320 *13930	4350 9590	4570 10080	2930 6460	*3180 *7010	2600 5730	6.54 (21.5)
0.0 m (0.0 ft)	kg lb	*7890 *17390	7690 16950	*6350 *14000	4230 9330	4510 9940	2870 6330	*3770 *8310	2700 5950	6.29 (20.7)
-1.5 m (-4.9 ft)	kg lb	*7790 *17170	7730 17040	*5570 *12280	4220 9300			*4090 *9020	3120 6880	5.64 (18.5)
-3.0 m (-9.8 ft)	kg lb	*5070 *11180	*5070 *11180					*3430 *7560	*3430 *7560	4.41 (14.5)

Note 1. Lifting capacity are based on ISO 10567.

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

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

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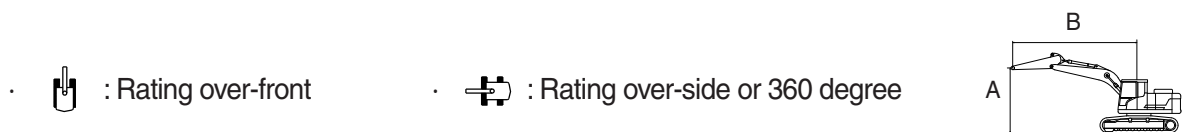
Lifting capacities will vary with different work tools, ground conditions and attachments.











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



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2590 *5710	*2590 *5710	3.98 (13.0)
6.0 m (19.7 ft)	kg lb					*3760 *8290	*3760 *8290			*2140 *4720	*2140 *4720	5.58 (18.3)
4.5 m (14.8 ft)	kg lb			*4240 *9350	*4240 *9350	*4430 *9770	*4430 *9770	*3360 *7410	3090 6810	*2010 *4430	*2010 *4430	6.46 (21.2)
3.0 m (9.8 ft)	kg lb			*7830 *17260	*7830 *17260	*5420 *11950	4590 10120	*4390 *9680	3010 6640	*2020 *4450	*2020 *4450	6.91 (22.7)
1.5 m (4.9 ft)	kg lb			*7550 *16640	*7550 *16640	*6150 *13560	4370 9630	4560 10050	2920 6440	*2150 *4740	*2150 *4740	7.01 (23.0)
0.0 m (0.0 ft)	kg lb			*7400 *16310	*7400 *16310	*6370 *14040	4220 9300	4480 9880	2850 6280	*2440 *5380	2420 5340	6.78 (22.2)
-1.5 m (-4.9 ft)	kg lb	*5540 *12210	*5540 *12210	*8390 *18500	7660 16890	*5830 *12850	4170 9190	*4020 *8860	2840 6260	*3040 *6700	2730 6020	6.18 (20.3)
-3.0 m (-9.8 ft)	kg lb			*6020 *13270	*6020 *13270	*4160 *9170	*4160 *9170			*3270 *7210	*3270 *7210	5.09 (16.7)

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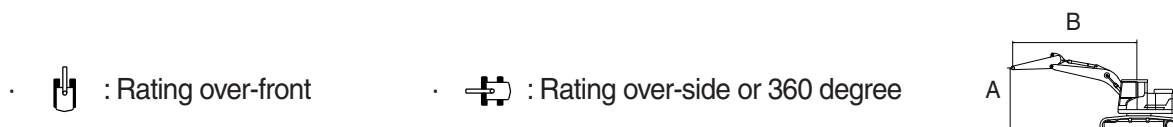
Lifting capacities will vary with different work tools, ground conditions and attachments.











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	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*2580 *5690	*2580 *5690			*2340 *5160	*2340 *5160	4.63 (15.2)
6.0 m (19.7 ft)	kg lb					*3320 *7320	*3320 *7320	*2170 *4780	*2170 *4780	*2040 *4500	*2040 *4500	6.05 (19.9)
4.5 m (14.8 ft)	kg lb					*3690 *8140	*3690 *8140	*3320 *7320	3130 6900	*1950 *4300	*1950 *4300	6.87 (22.6)
3.0 m (9.8 ft)	kg lb			*6930 *15280	*6930 *15280	*5030 *11090	4660 10270	*4160 *9170	3040 6700	*1990 *4390	*1990 *4390	7.30 (23.9)
1.5 m (4.9 ft)	kg lb			*9190 *20260	8030 17700	*5900 *13010	4410 9720	*4510 *9940	2930 6460	*2130 *4700	*2130 *4700	7.39 (24.3)
0.0 m (0.0 ft)	kg lb			*8330 *18360	7660 16890	*6330 *13960	4220 9300	4480 9880	2840 6260	*2420 *5340	2220 4890	7.18 (23.6)
-1.5 m (-4.9 ft)	kg lb	*5190 *11440	*5190 *11440	*8960 *19750	7580 16710	*6060 *13360	4140 9130	*4340 *9570	2800 6170	*3000 *6610	2470 5450	6.62 (21.7)
-3.0 m (-9.8 ft)	kg lb	*8440 *18610	*8440 *18610	*7030 *15500	*7030 *15500	*4870 *10740	4170 9190			*3460 *7630	3110 6860	5.61 (18.4)

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.

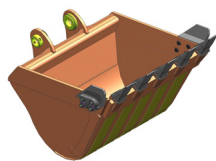
The difference between the weight of a work tool attachment must be subtracted.

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

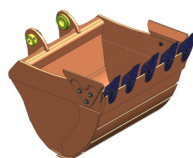
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

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	With side cutter			4.6 m (15' 1") Boom			4.94 m (16' 2") Boom	
	m ³ (yd ³)	m ³ (yd ³)	mm (in)	mm (in)	kg (lb)	EA	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	0.51 (0.67)	0.45 (0.59)	865 (34.1")	995 (39.2")	438 (970)	5	●	●	●	●	●
	0.59 (0.77)	0.51 (0.67)	955 (37.6")	1085 (42.7")	406 (900)	5	●	●	◐	●	●
	0.64 (0.84)	0.55 (0.72)	1040 (40.9")	1170 (46.1")	459 (1010)	5	●	◐	■	●	◐
Hammerless tooth bucket	0.67 (0.88)	0.60 (0.78)	1110 (43.7")	1140 (44.9")	493 (1090)	5	●	◐	■	●	◐
	0.74 (0.97)	0.66 (0.86)	1210 (47.6")	1240 (48.8")	543 (1200)	6	◐	■	▲	◐	■
	0.50 (0.65)	0.45 (0.59)	760 (29.9")	800 (31.5")	439 (970)	4	●	●	●	●	●
	0.61 (0.80)	0.54 (0.71)	915 (36.0")	950 (37.4")	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

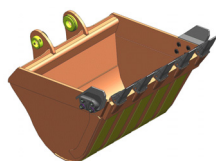
※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

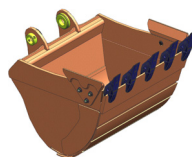
Select an optimum combination according to the working conditions and the type of work that is being done.

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						2800 kg				
	Capacity		Width		Weight	Tooth	MONO			2-PIECE	
	SAE Heaped	CECE heaped	Without side cutter	With side cutter			4.6 m (15' 1") Boom			4.94 m (16' 2") Boom	
	m ³ (yd ³)	m ³ (yd ³)	mm (in)	mm (in)	kg (lb)	EA	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	0.51 (0.67)	0.45 (0.59)	865 (34.1")	995 (39.2")	438 (970)	5	●	●	●	●	●
	0.59 (0.77)	0.51 (0.67)	955 (37.6")	1085 (42.7")	406 (900)	5	●	●	●	●	●
	0.64 (0.84)	0.55 (0.72)	1040 (40.9")	1170 (46.1")	459 (1010)	5	●	●	◐	●	●
Hammerless tooth bucket	0.67 (0.88)	0.60 (0.78)	1110 (43.7")	1140 (44.9")	493 (1090)	5	●	◐	■	●	●
	0.74 (0.97)	0.66 (0.86)	1210 (47.6")	1240 (48.8")	543 (1200)	6	◐	■	■	●	◐
	0.50 (0.65)	0.45 (0.59)	760 (29.9")	800 (31.5")	439 (970)	4	●	●	●	●	●
	0.61 (0.80)	0.54 (0.71)	915 (36.0")	950 (37.4")	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 treesTravel at high speed only on flat groundTravel slowly at low speed if it is impossible to avoid going over obstacles
C	Extremely soft ground (swampy ground)	<ul style="list-style-type: none">Use the shoes only in the conditions that the machine sinks and it is impossible to use the shoes of category A or BThese shoes cannot be used on rough ground with large obstacles such as boulders or fallen treesTravel at high speed only on flat groundTravel slowly at low speed if it is impossible to avoid going over obstacles

8. SPECIFICATIONS FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Maker / Model	Cummins / 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	Ø 105 × 1085 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Stroke	Ø 115 × 1108 mm
	Cushion	Extend and retract
Adjust boom cylinder (2-piece boom)	Bore dia × Stroke	Ø 105 × 995 mm
	Cushion	Extend only
Adjust cylinder (2-piece boom)	Bore dia × Stroke	Ø 145 × 613 mm
	Cushion	N/A
Arm cylinder (2-piece boom)	Bore dia × Stroke	Ø 115 × 1138 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Stroke	Ø 100 × 900 mm
	Cushion	Extend only
Dozer cylinder	Bore dia × Stroke	Ø 100 × 250 mm
	Cushion	N/A

※ 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.