

SECTION 1 GENERAL

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SECTION 1 GENERAL

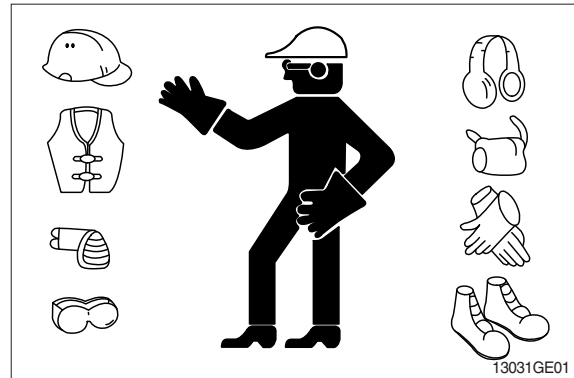
GROUP 1 SAFETY

FOLLOW SAFE PROCEDURE

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

WEAR PROTECTIVE CLOTHING

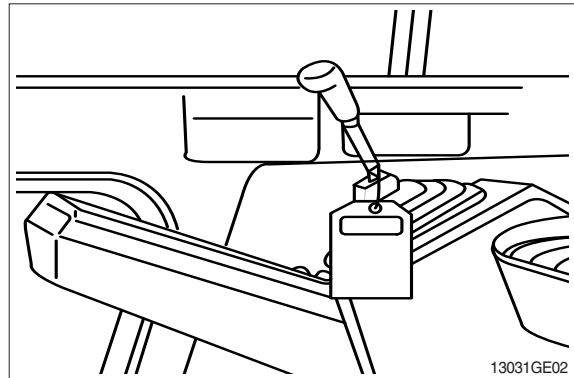
Wear close fitting clothing and safety equipment appropriate to the job.



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.



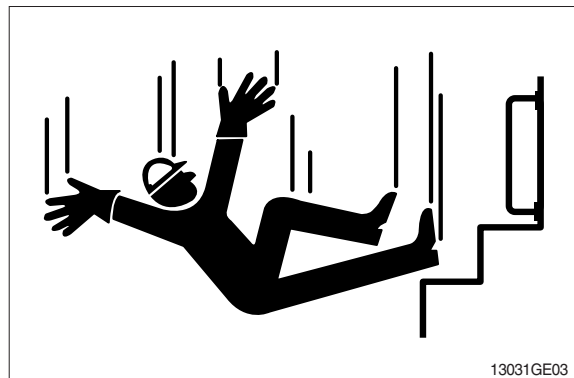
USE HANDHOLDS AND STEPS

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.

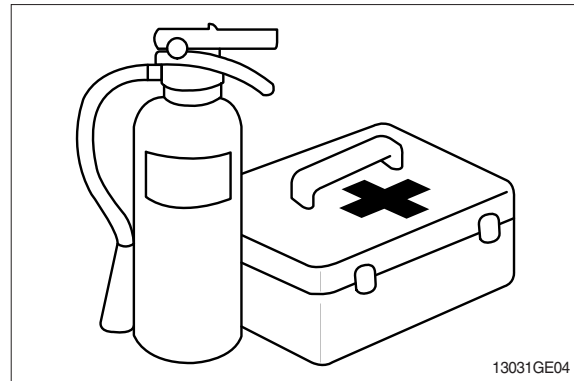


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

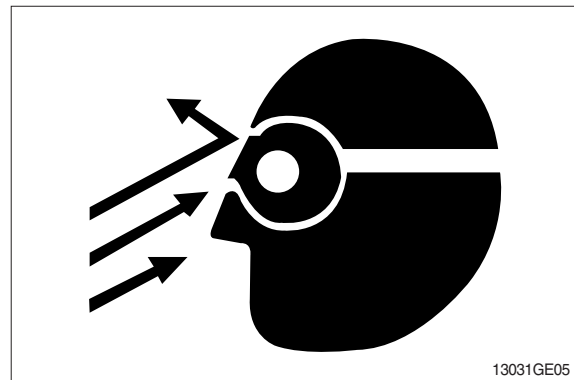
Keep a first aid kit and fire extinguisher handy.

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



PROTECT AGAINST FLYING DEBRIS

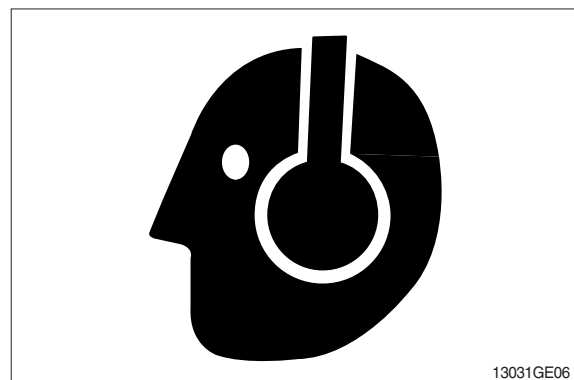
Guard against injury from flying pieces of metal or debris; Wear goggles or safety glasses.



PROTECT AGAINST NOISE

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

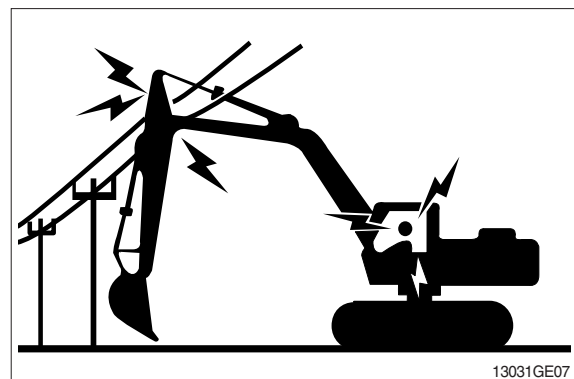
Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



AVOID POWER LINES

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

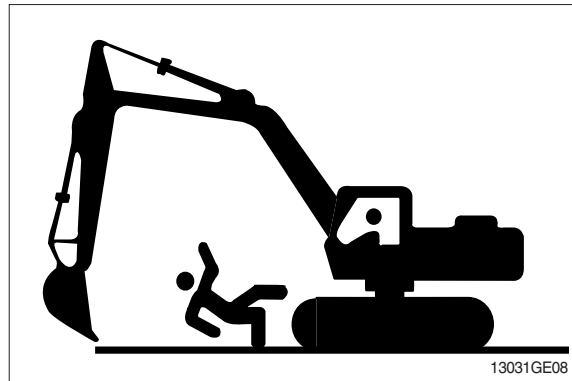
Never move any part of the machine or load closer to electric line than 3m(10ft) plus twice the line insulator length.



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.

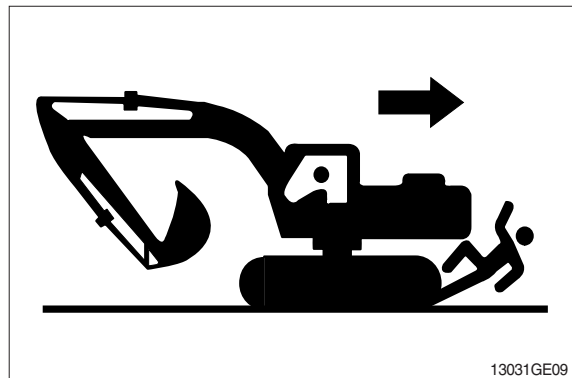


MOVE AND OPERATE MACHINE SAFELY

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:

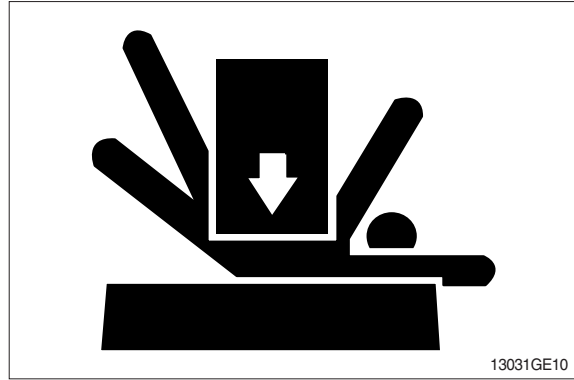
- Park machine on a level surface.
- Lower bucket to the ground.
- Turn auto idle switch off.
- Run engine at 1/2 speed without load for 2 minutes.
- Turn key switch to OFF to stop engine.
Remove key from switch.
- Move pilot control shutoff lever to locked position.
- Allow engine to cool.

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.

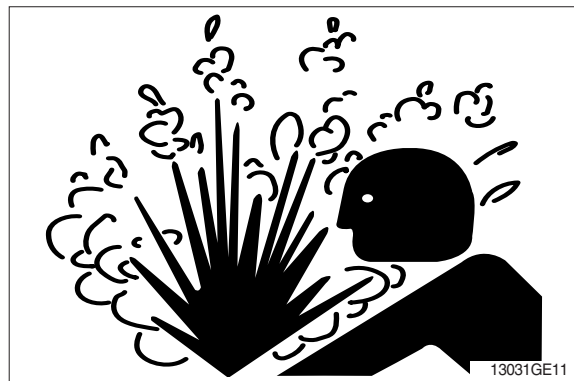
Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.



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

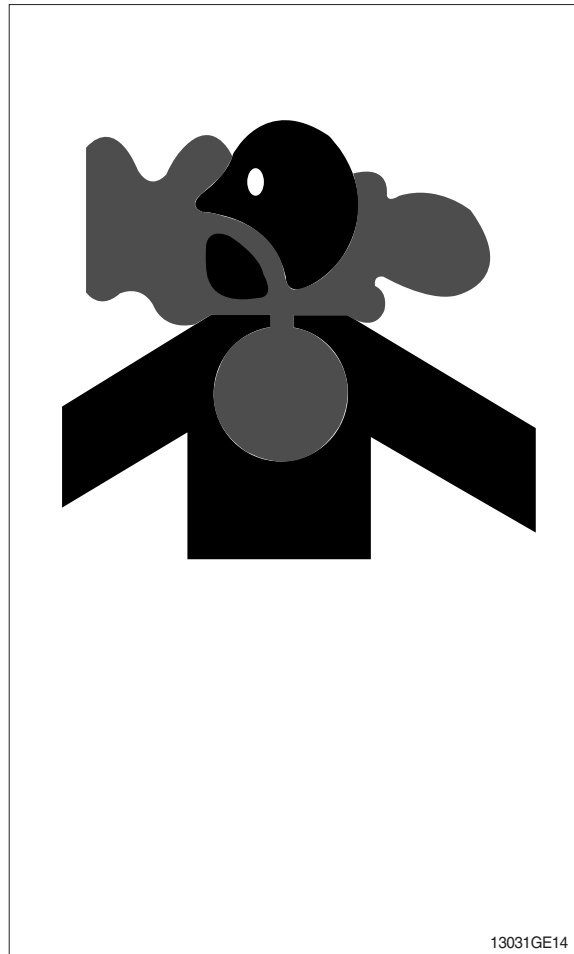
Avoid potentially toxic fumes and dust.

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.

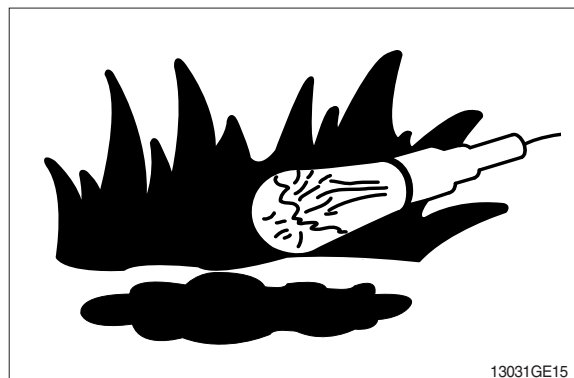
Remove paint before welding or heating:

- 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

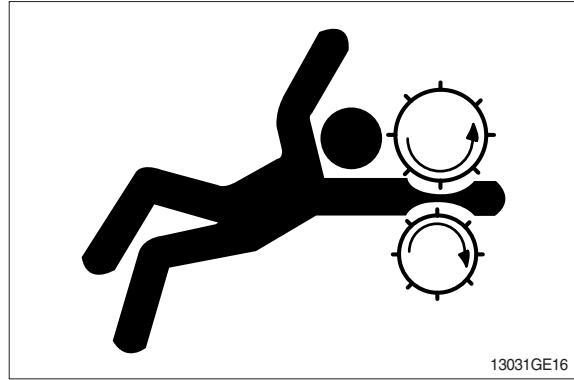
Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.



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.

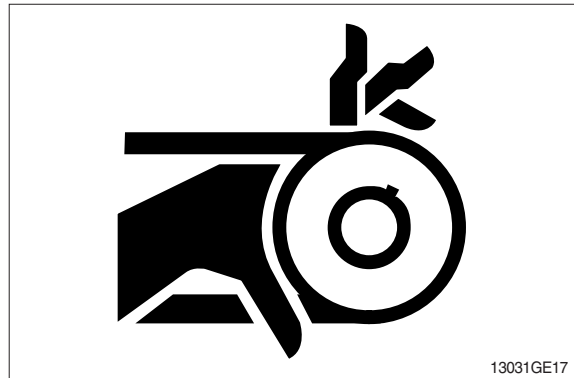
Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



STAY CLEAR OF MOVING PARTS

Entanglements in moving parts can cause serious injury.

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



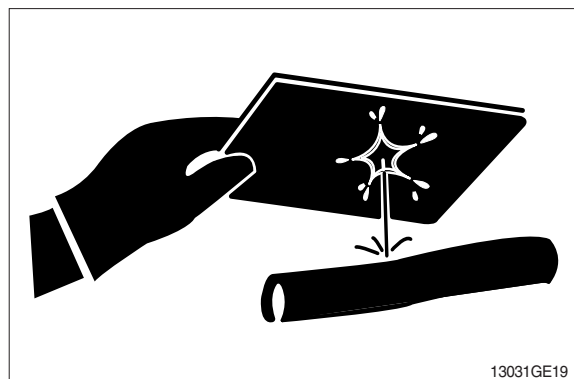
AVOID HIGH PRESSURE FLUIDS

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:

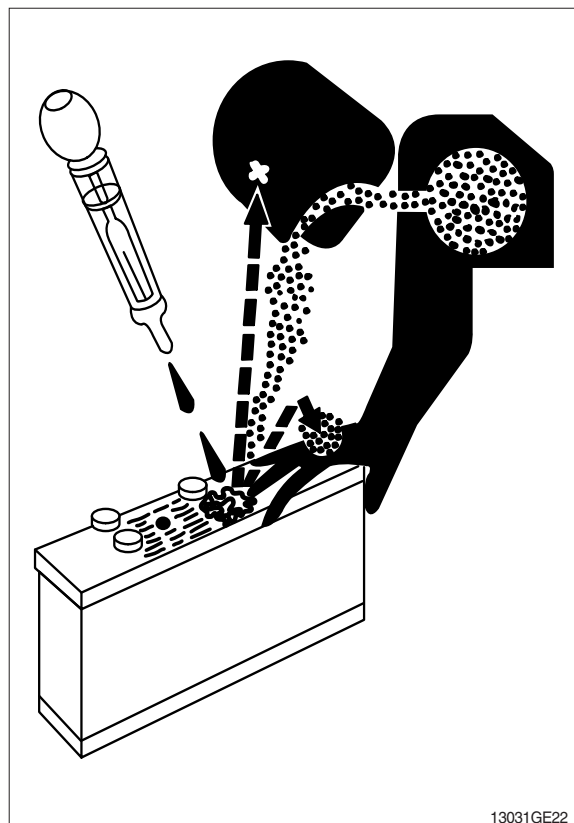
1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.
5. Use proper jump start procedure.

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

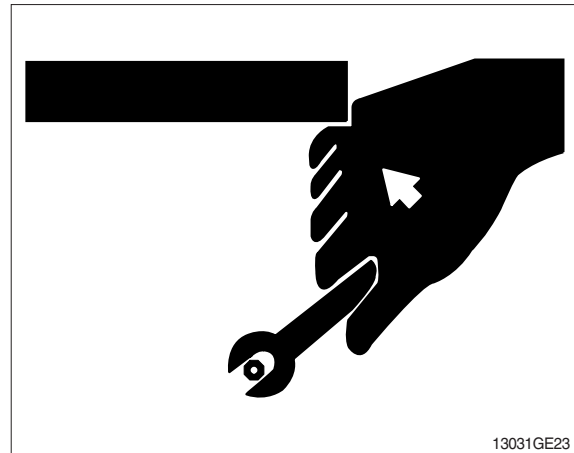
Use tools appropriate to the work.
Makeshift tools, parts, and procedures can create safety hazards.

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)

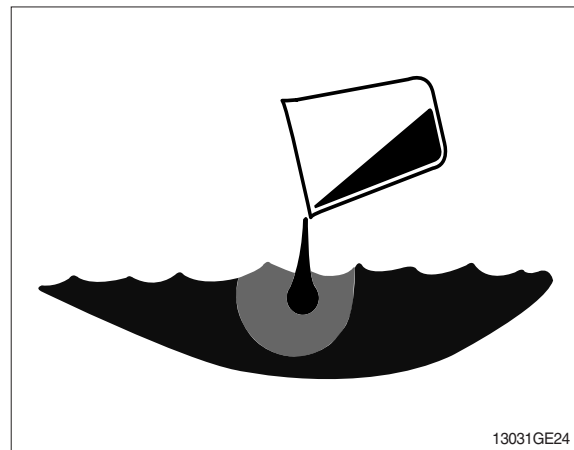


DISPOSE OF FLUIDS PROPERLY

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.

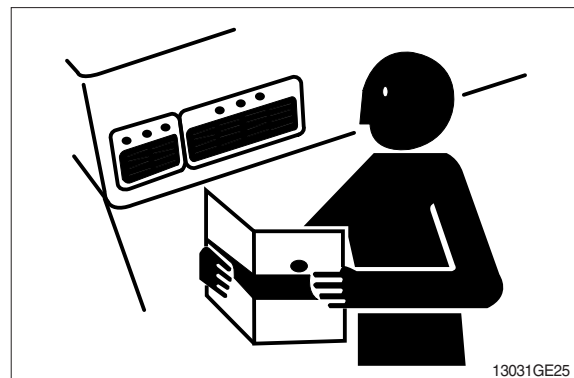
Use proper containers when draining fluids.
Do not use food or beverage containers that may mislead someone into drinking from them.

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 SIGNS

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



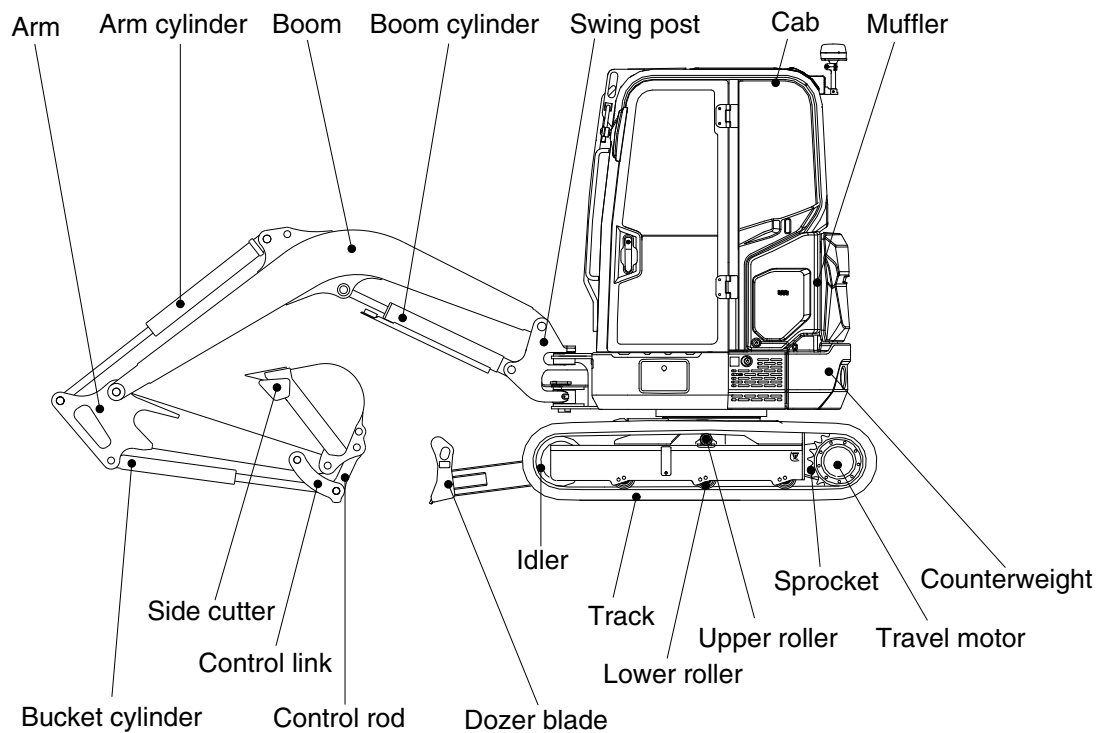
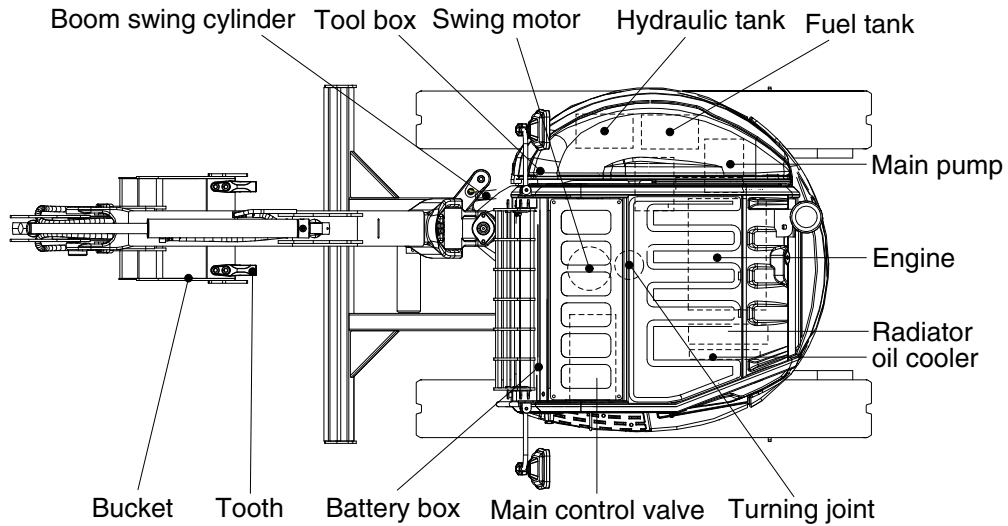
LIVE WITH SAFETY

Before returning machine to customer, make sure machine is functioning properly, especially the safety systems.

Install all guards and shields.

GROUP 2 SPECIFICATIONS

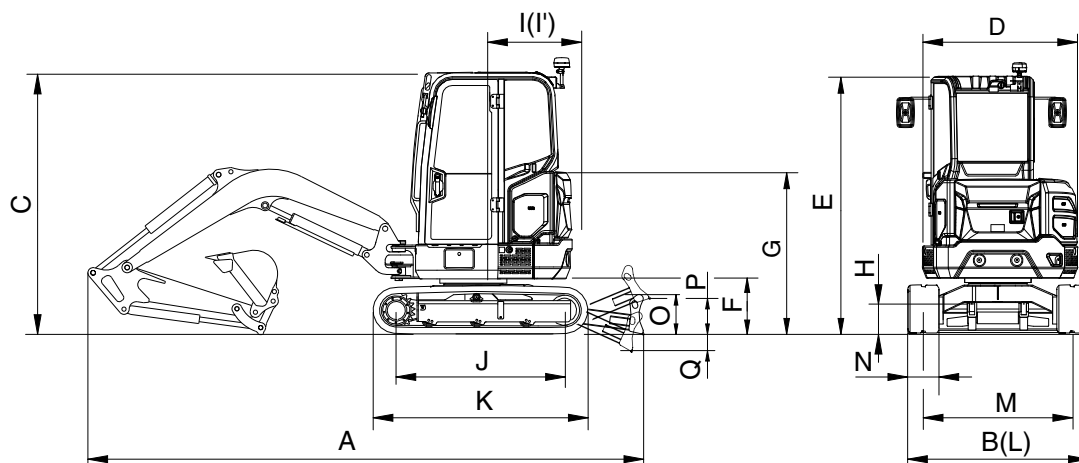
1. MAJOR COMPONENT



25AZ2SP01

2. SPECIFICATIONS

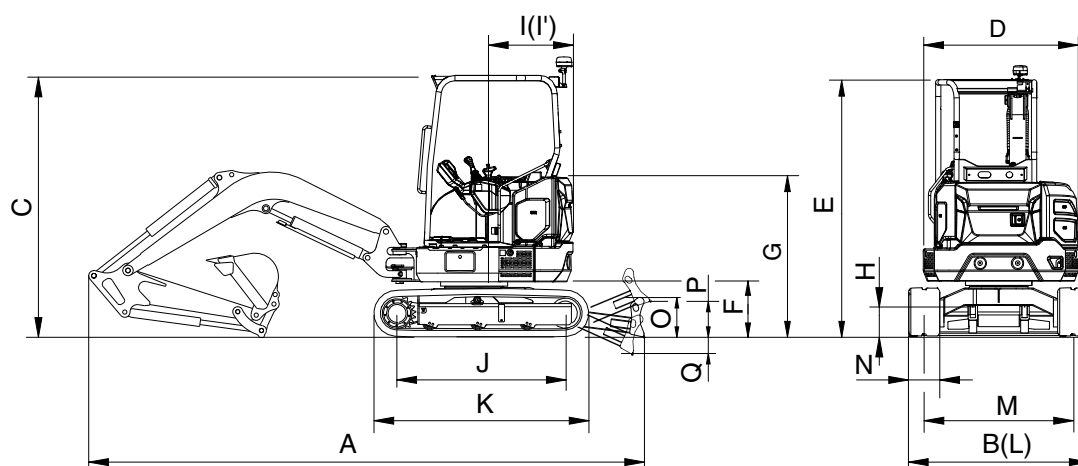
1) 2.03 m (6' 8") mono boom, 1.12 m (3' 8") arm, 130 kg CWT, with cab



25AZ2SP02

Description		Unit	Specification
Operating weight		kg (lb)	2675 (5900)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.07 (0.10)
Overall length	A	mm (ft-in)	4150 (13' 7")
Overall width	B		1534 (5' 0")
Overall width (dozer blade)	B'		1550 (5' 1")
Overall height	C		2452 (8' 1")
Overall width of upperstructure	D		1490 (4' 11")
Overall height of cab	E		2452 (8' 1")
Ground clearance of counterweight	F		504 (1' 8")
Overall height of engine hood	G		1500 (4' 11")
Minimum ground clearance	H		183 (0' 7")
Rear-end distance	I		775 (2' 7")
Rear-end swing radius	I'		775 (2' 7")
Distance between tumblers	J		1550 (5' 1")
Undercarriage length (without grouser)	K		1975 (6' 6")
Undercarriage width	L		1534 (5' 0")
Track gauge	M		1250 (4' 1")
Track shoe width, standard	N		250 (0' 10")
Height of blade	O		300 (1' 0")
Ground clearance of blade up	P		328 (1' 1")
Depth of blade down	Q		348 (1' 2")
Travel speed (low/high)		km/hr (mph)	2.38/4.35 (1.48/2.70)
Swing speed		rpm	9.16
Gradeability		Degree (%)	35 (70)
Ground pressure 250 mm		kgf/cm ² (psi)	0.32 (4.48)
Max traction force		kg (lb)	2266 (5000)

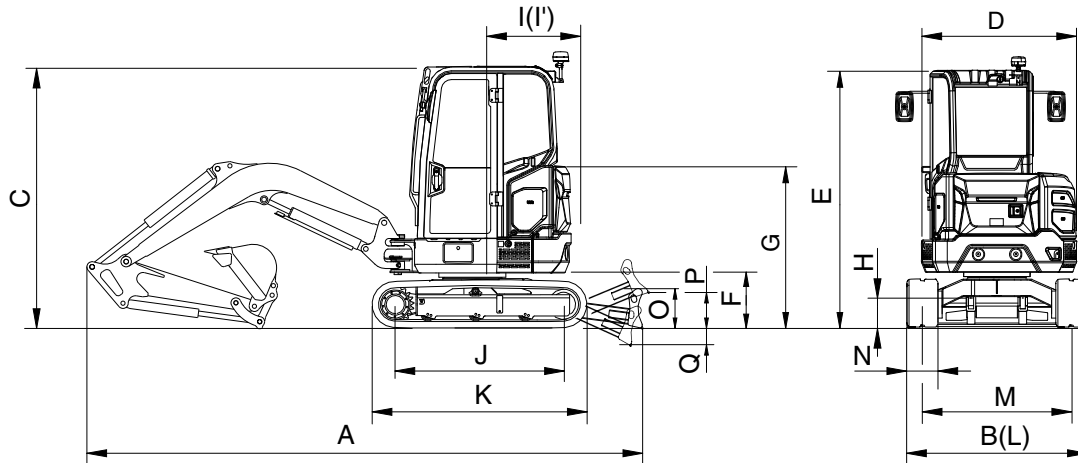
2) 2.03 m (6' 8") mono boom, 1.12 m (3' 8") arm, 130 kg CWT, with canopy



25AZ2SP03

Description		Unit	Specification
Operating weight		kg (lb)	2540 (5600)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.07 (0.10)
Overall length	A	mm (ft-in)	4150 (13' 7")
Overall width	B		1534 (5' 0")
Overall width (dozer blade)	B'		1550 (5' 1")
Overall height	C		2452 (8' 1")
Overall width of upperstructure	D		1490 (4' 11")
Overall height of canopy	E		2452 (8' 1")
Ground clearance of counterweight	F		504 (1' 8")
Overall height of engine hood	G		1500 (4' 11")
Minimum ground clearance	H		183 (0' 7")
Rear-end distance	I		775 (2' 7")
Rear-end swing radius	I'		775 (2' 7")
Distance between tumblers	J		1550 (5' 1")
Undercarriage length (without grouser)	K		1975 (6' 6")
Undercarriage width	L		1534 (5' 0")
Track gauge	M		1250 (0' 10")
Track shoe width, standard	N		250 (1' 0")
Height of blade	O		300 (1' 0")
Ground clearance of blade up	P		328 (1' 1")
Depth of blade down	Q		348 (1' 2")
Travel speed (low/high)		km/hr (mph)	2.38/4.35 (1.48/2.70)
Swing speed		rpm	9.16
Gradeability		Degree (%)	35 (70)
Ground pressure 250 mm		kgf/cm ² (psi)	0.30 (4.03)
Max traction force		kg (lb)	2266 (5000)

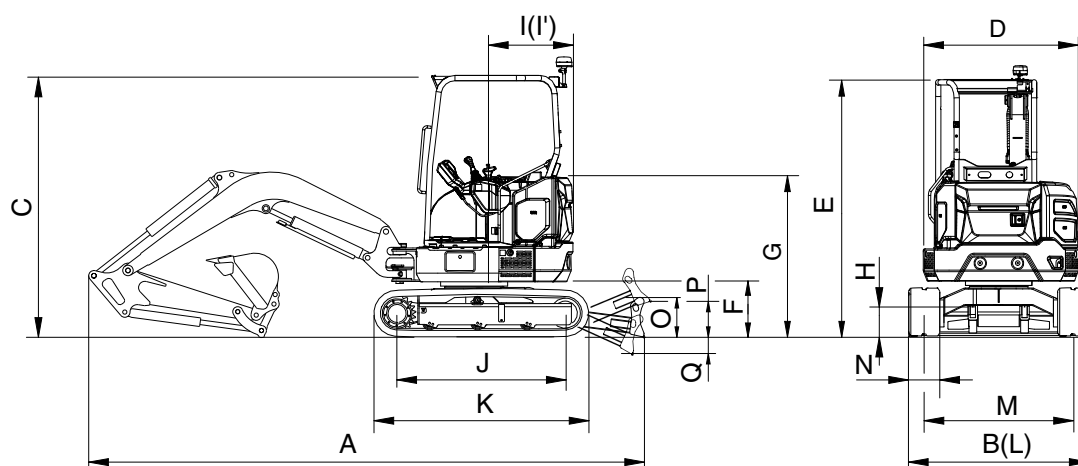
3) 2.03 m (6' 8") mono boom, 1.3 m (4' 3") long arm, 270 kg CWT, with cab



25AZ2SP02

Description		Unit	Specification
Operating weight		kg (lb)	2825 (6230)
Bucket capacity (SAE heaped), standard		m³ (yd³)	0.07 (0.10)
Overall length	A	mm (ft-in)	4170 (13' 8")
Overall width	B		1534 (5' 0")
Overall width (dozer blade)	B'		1550 (5' 1")
Overall height	C		2452 (8' 1")
Overall width of upperstructure	D		1490 (4' 11")
Overall height of cab	E		2452 (8' 1")
Ground clearance of counterweight	F		504 (1' 8")
Overall height of engine hood	G		1500 (4' 11")
Minimum ground clearance	H		183 (0' 7")
Rear-end distance	I		875 (2' 10")
Rear-end swing radius	I'		875 (2' 10")
Distance between tumblers	J		1550 (5' 1")
Undercarriage length (without grouser)	K		1975 (6' 6")
Undercarriage width	L		1534 (5' 0")
Track gauge	M		1250 (4' 1")
Track shoe width, standard	N		250 (0' 10")
Height of blade	O		300 (1' 0")
Ground clearance of blade up	P		328 (1' 1")
Depth of blade down	Q		348 (1' 2")
Travel speed (low/high)		km/hr (mph)	2.38/4.35 (1.48/2.70)
Swing speed		rpm	9.16
Gradeability		Degree (%)	35 (70)
Ground pressure 300 mm		kgf/cm² (psi)	0.33 (4.74)
Max traction force		kg (lb)	2266 (5000)

4) 2.03 m (6' 8") mono boom, 1.3 m (4' 3") long arm, 270 kg CWT, with canopy

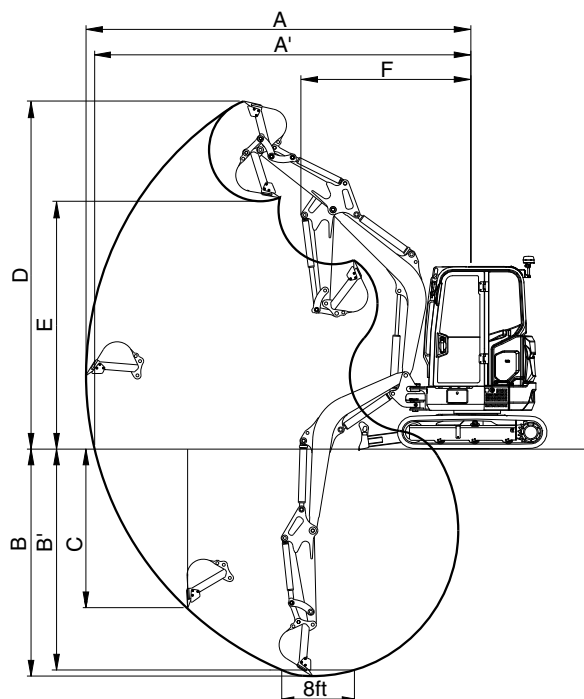


25AZ2SP03

Description		Unit	Specification
Operating weight		kg (lb)	2690 (5930)
Bucket capacity (SAE heaped), standard		m³ (yd³)	0.07 (0.10)
Overall length	A	mm (ft-in)	4170 (13' 8")
Overall width	B		1534 (5' 0")
Overall width (dozer blade)	B'		1550 (5' 1")
Overall height	C		2452 (8' 1")
Overall width of upperstructure	D		1490 (4' 11")
Overall height of canopy	E		2452 (8' 1")
Ground clearance of counterweight	F		504 (1' 8")
Overall height of engine hood	G		1500 (4' 11")
Minimum ground clearance	H		183 (0' 7")
Rear-end distance	I		875 (2' 10")
Rear-end swing radius	I'		875 (2' 10")
Distance between tumblers	J		1550 (5' 1")
Undercarriage length (without grouser)	K		1975 (6' 6")
Undercarriage width	L		1534 (5' 0")
Track gauge	M		1250 (4' 1")
Track shoe width, standard	N		250 (0' 10")
Height of blade	O		300 (1' 0")
Ground clearance of blade up	P		328 (1' 1")
Depth of blade down	Q		348 (1' 2")
Travel speed (low/high)		km/hr (mph)	2.38/4.35 (1.48/2.70)
Swing speed		rpm	9.16
Gradeability		Degree (%)	35 (70)
Ground pressure 300 mm		kgf/cm² (psi)	0.32 (4.51)
Max traction force		kg (lb)	2266 (5000)

3. WORKING RANGE

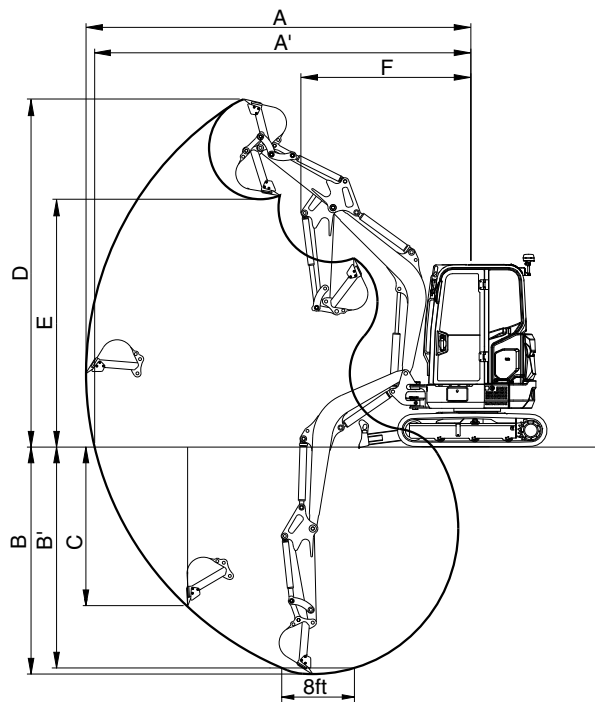
1) 2.03 m (6' 8") mono boom, 1.12 m (3' 8") arm, with cab and canopy



25AZ2SP10

Description		1.12 m (3' 8") Arm
Max digging reach	A	4560 mm (15' 0")
Max digging reach on ground	A'	4420 mm (14' 6")
Max digging depth	B	2515 mm (8' 3")
Max digging depth (8 ft level)	B'	1970 mm (6' 6")
Max vertical wall digging depth	C	2000 mm (6' 7")
Max digging height	D	4175 mm (13' 8")
Max dumping height	E	2870 mm (9' 5")
Min swing radius	F	2050 mm (6' 9")
Boom swing radius (left/right)		70°/50°
Bucket digging force	SAE	18 kN
		1859 kgf
		4097 lbf
	ISO	20 kN
		2079 kgf
		4584 lbf
Arm crowd force	SAE	14 kN
		1397 kgf
		3079 lbf
	ISO	14 kN
		1451 kgf
		3199 lbf

2) 2.03 m (6' 8") mono boom, 1.3 m (4' 3") long arm, with cab and canopy



25AZ2SP10

Description		1.3 m (4' 3") Long arm	
Max digging reach	A	4725 mm (15' 6")	
Max digging reach on ground	A'	4600 mm (15' 1")	
Max digging depth	B	2695 mm (8' 10")	
Max digging depth (8 ft level)	B'	2000 mm (6' 7")	
Max vertical wall digging depth	C	2230 mm (7' 4")	
Max digging height	D	4290 mm (14' 1")	
Max dumping height	E	2975 mm (9' 9")	
Min swing radius	F	2100 mm (6' 11")	
Boom swing radius (left/right)		70°/50°	
Bucket digging force	SAE	18 kN	
		1859 kgf	
		4097 lbf	
	ISO	20 kN	
		2079 kgf	
		4584 lbf	
Arm crowd force	SAE	12 kN	
		1267 kgf	
		2794 lbf	
	ISO	13 kN	
		1313 kgf	
		2894 lbf	

4. WEIGHT

Item	kg	lb
Upperstructure assembly		
· Main frame weld assembly	366	807
· Engine assembly (including DPF)	95	209
· Main pump assembly	19	42
· Main control valve assembly	25	55
· Swing motor assembly	34	75
· Hydraulic oil tank wa	41	90
· Fuel tank wa	5	11
· Counterweight	130	287
· Counterweight (add type)	270	595
· Cab assembly	234	516
Lower chassis assembly		
· Track frame weld assembly	254	560
· Dozer blade assembly	95	209
· Swing bearing	47	104
· Travel motor assembly (2EA)	72	159
· Turning joint	11	24
· Sprocket (2EA)	14	31
· Track recoil spring (2EA)	22	48
· Idler (2EA)	44	97
· Upper roller (2EA)	5	10
· Lower roller (6EA)	41	90
· Track-chain assembly-250 mm rubber, (2EA)	220	485
Front attachment assembly		
· Boom assembly	101	222
· Arm assembly-1.12 m	46	101
· Arm assembly-1.3 m	52	115
· Arm assembly-1.12 m thumb bracket	49	107
· Arm assembly-1.3 m thumb bracket	55	120
· Bucket assembly	55	120
· Boom cylinder assembly	29	63
· Arm cylinder assembly	26	57
· Bucket cylinder assembly	15	32
· Dozer cylinder assembly	21	46
· Boom swing cylinder	19	42
· Bucket control linkage total	23	51

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

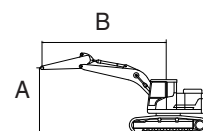
※ Refer to transportation for actual weight information and specifications for operating weight.















5. LIFTING CAPACITIES

1) Rubber track 250 mm, cab type

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX27AZ	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	130	250	-	Up	-	-	-

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



Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m (11.5 ft)	kg lb													720 1590	560 1230	2.57 (8.4)
3.0 m (9.8 ft)	kg lb								550 1210	430 950				510 1120	400 880	3.13 (10.3)
2.5 m (8.2 ft)	kg lb								550 1210	430 950				420 930	330 730	3.49 (11.4)
2.0 m (6.6 ft)	kg lb						740 1630	570 1260	540 1190	420 930	420 930	330 730		380 840	290 640	3.72 (12.2)
1.5 m (4.9 ft)	kg lb						710 1570	540 1190	530 1170	410 900	410 900	320 710		350 770	270 600	3.85 (12.6)
1.0 m (3.3 ft)	kg lb						680 1500	520 1150	510 1120	390 860	400 880	310 680		340 750	260 570	3.89 (12.8)
0.5 m (1.6 ft)	kg lb						660 1460	500 1100	500 1100	380 840	400 880	300 660		340 750	260 570	3.85 (12.6)
0.0 m (0.0 ft)	kg lb					930 2050	680 1500	650 1430	490 1080	490 1080	370 820	390 860	300 660	360 790	280 620	3.72 (12.2)
-0.5 m (-1.6 ft)	kg lb	*1190 *2620	*1190 *2620	*1420 *3130	1130 2,490	930 2050	680 1500	640 1410	480 1060	490 1080	370 820			390 860	300 660	3.50 (11.5)
-1.0 m (-3.3 ft)	kg lb	*1750 *3860	*1750 *3860	1670 3680	1150 2540	940 2070	690 1520	650 1430	490 1080	490 1080	380 840			460 1010	350 770	3.14 (10.3)
-1.5 m (-4.9 ft)	kg lb			1700 3750	1170 2580	960 2120	710 1570	660 1460	500 1100					630 1390	480 1060	2.59 (8.5)

- Note
1. Lifting capacity are based on ISO 10567.
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 3. The lift-point is bucket pivot mounting pin on the arm (without bucket mass).
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※ Lifting capacities are based upon a standard machine conditions.

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



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

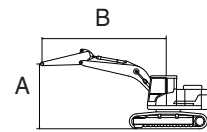
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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX27AZ	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	130	250	-	Down	-	-	-

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



Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m	kg													*740	600	2.57
(11.5 ft)	lb													*1630	1320	(8.4)
3.0 m	kg									*690	470			*710	430	3.13
(9.8 ft)	lb									*1520	1040			*1570	950	(10.3)
2.5 m	kg									*680	470			*670	360	3.49
(8.2 ft)	lb									*1500	1040			*1480	790	(11.4)
2.0m	kg							*810	610	*750	460	*720	350	*660	320	3.72
(6.6 ft)	lb							*1790	1340	*1650	1010	*1590	770	*1460	710	(12.2)
1.5m	kg							*1020	590	*850	440	*760	350	*670	300	3.85
(4.9 ft)	lb							*2250	1300	*1870	970	*1680	770	*1480	660	(12.6)
1.0m	kg							*1240	560	*960	430	*820	340	*710	290	3.89
(3.3 ft)	lb							*2730	1230	*2120	950	*1810	750	*1570	640	(12.8)
0.5m	kg							*1390	540	*1050	410	*860	330	*770	290	3.85
(1.6 ft)	lb							*3060	1190	*2310	900	*1900	730	*1700	640	(12.6)
0.0m	kg					*1590	750	*1440	530	*1090	410	*880	330	*800	300	3.72
(0.0 ft)	lb					*3510	1650	*3170	1170	*2400	900	*1940	730	*1760	660	(12.2)
-0.5m	kg	*1190	*1190	*1420	1260	*1930	750	*1400	530	*1070	400			*820	330	3.50
(-1.6 ft)	lb	*2620	*2620	*3130	2780	*4250	1650	*3090	1170	*2360	880			*1810	730	(11.5)
-1.0m	kg	*1750	*1750	*2170	1270	*1690	760	*1250	530	*930	410			*840	380	3.14
(-3.3 ft)	lb	*3860	*3860	*4780	2800	*3730	1680	*2760	1170	*2050	900			*1850	840	(10.3)
-1.5m	kg			*1810	1300	*1270	770	*900	550					*830	520	2.59
(-4.9 ft)	lb			*3990	2870	*2800	1700	*1980	1210					*1830	1150	(8.5)

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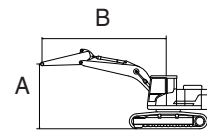
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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX27AZ	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	270	250	-	Up	-	-	-

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  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m (11.5 ft)	kg lb													*740 *1630	640 1410	2.57 (8.4)
3.0 m (9.8 ft)	kg lb									630 1390	500 1100			580 1280	460 1010	3.13 (10.3)
2.5 m (8.2 ft)	kg lb									630 1390	500 1100			490 1080	390 860	3.49 (11.4)
2.0 m (6.6 ft)	kg lb							*810 *1790	650 1430	620 1370	490 1080	480 1060	380 840	440 970	340 750	3.72 (12.2)
1.5 m (4.9 ft)	kg lb							810 1790	630 1390	600 1320	470 1040	470 1040	370 820	410 900	320 710	3.85 (12.6)
1.0 m (3.3 ft)	kg lb							780 1720	600 1320	590 1300	460 1010	470 1040	370 820	400 880	310 680	3.89 (12.8)
0.5 m (1.6 ft)	kg lb							750 1650	580 1280	570 1260	450 990	460 1010	360 790	400 880	310 680	3.85 (12.6)
0.0 m (0.0 ft)	kg lb					1070 2360	790 1740	740 1630	570 1260	570 1260	440 970	450 990	350 770	420 930	320 710	3.72 (12.2)
-0.5 m (-1.6 ft)	kg lb	*1190 *2620	*1190 *2620	*1420 *3130	1320 2910	1070 2360	800 1760	740 1630	570 1260	560 1230	440 970			450 990	350 770	3.50 (11.5)
-1.0 m (-3.3 ft)	kg lb	*1750 *3860	*1750 *3860	1900 4190	1330 2930	1080 2380	800 1760	750 1650	570 1260	570 1260	440 970			530 1170	410 900	3.14 (10.3)
-1.5 m (-4.9 ft)	kg lb			*1810 *3990	1350 2980	1100 2430	820 1810	760 1680	580 1280					720 1590	560 1230	2.59 (8.5)

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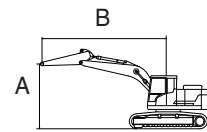
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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX27AZ	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	270	250	-	Down	-	-	-

 : Rating over-front
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Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m (11.5 ft)	kg lb													*740 *1630	680 1500	2.57 (8.4)
3.0 m (9.8 ft)	kg lb									*690 *1520	530 1170			*710 *1570	500 1100	3.13 (10.3)
2.5 m (8.2 ft)	kg lb									*680 *1500	530 1170			*670 *1480	410 900	3.49 (11.4)
2.0 m (6.6 ft)	kg lb							*810 *1790	700 1540	*750 *1650	520 1150	*720 *1590	410 900	*660 *1460	370 820	3.72 (12.2)
1.5 m (4.9 ft)	kg lb							*1020 *2250	670 1480	*850 *1870	510 1120	*760 *1680	400 880	*670 *1480	350 770	3.85 (12.6)
1.0 m (3.3 ft)	kg lb							*1240 *2730	650 1430	*960 *2120	490 1080	*820 *1810	390 860	*710 *1570	330 730	3.89 (12.8)
0.5 m (1.6 ft)	kg lb							*1390 *3060	630 1390	*1050 *2310	480 1060	*860 *1900	390 860	*770 *1700	340 750	3.85 (12.6)
0.0 m (0.0 ft)	kg lb					*1590 *3510	860 1900	*1440 *3170	610 1340	*1090 *2400	470 1040	*880 *1940	380 840	*800 *1760	350 770	3.72 (12.2)
-0.5 m (-1.6 ft)	kg lb	*1190 *2620	*1190 *2620	*1420 *3130	*1420 *3130	*1930 *4250	870 1920	*1400 *3090	610 1340	*1070 *2360	470 1040			*820 *1810	380 840	3.50 (11.5)
-1.0 m (-3.3 ft)	kg lb	*1750 *3860	*1750 *3860	*2170 *4780	1460 3220	*1690 *3730	870 1920	*1250 *2760	620 1370	*930 *2050	480 1060			*840 *1850	450 990	3.14 (10.3)
-1.5 m (-4.9 ft)	kg lb			*1810 *3990	1490 3280	*1270 *2800	890 1960	*900 *1980	630 1390					*830 *1830	600 1320	2.59 (8.5)

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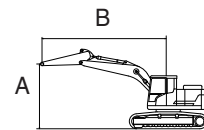
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














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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX27AZ	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1300	130	250	-	Up	-	-	-

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



Load point height (A)		Load radius (B)														At max. reach			
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach	
																		m (ft)	
3.5 m (11.5 ft)	kg																610	470	2.85
	lb																1340	1040	(9.4)
3.0 m (9.8 ft)	kg								560	440							460	360	3.35
	lb								1230	970							1010	790	(11.0)
2.5 m (8.2 ft)	kg								560	440	430	340					390	310	3.68
	lb								1230	970	950	750					860	680	(12.1)
2.0m (6.6 ft)	kg								550	430	420	330					350	270	3.89
	lb								1210	950	930	730					770	600	(12.8)
1.5m (4.9 ft)	kg					1050	790	720	550	530	410	420	330	260			330	260	4.02
	lb					2310	1740	1590	1210	1170	900	930	710	570			730	570	(13.2)
1.0m (3.3 ft)	kg							690	520	520	400	410	310	330	250		320	250	4.06
	lb							1520	1150	1150	880	900	680	730	550		710	550	(13.3)
0.5m (1.6 ft)	kg					940	690	660	500	500	380	400	310	320	250		320	250	4.02
	lb					2070	1520	1460	1100	1100	840	880	680	710	550		710	550	(13.2)
0.0m (0.0 ft)	kg					930	680	650	490	490	370	390	300				330	260	3.90
	lb					2050	1500	1430	1080	1080	820	860	660				730	570	(12.8)
-0.5m (-1.6 ft)	kg	*1040	*1040	*1280	1120	930	680	640	480	490	370	390	300				360	280	3.69
	lb	*2290	*2290	*2820	2470	2050	1500	1410	1060	1080	820	860	660				790	620	(12.1)
-1.0m (-3.3 ft)	kg	*1500	*1500	1650	1130	930	680	640	480	490	370						420	320	3.36
	lb	*3310	*3310	3640	2490	2050	1500	1410	1060	1080	820						930	710	(11.0)
-1.5m (-4.9 ft)	kg	*2090	*2090	1680	1160	950	700	650	490								530	410	2.87
	lb	*4610	*4610	3700	2560	2090	1540	1430	1080								1170	900	(9.4)
-2.0m (-6.6 ft)	kg					*740	730										*740	730	2.00
	lb					*1630	1610										*1630	1610	(6.6)

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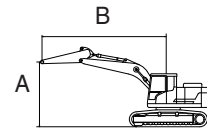
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








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HX27AZ	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1300	130	250	-	Down	-	-	-

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



Load point height (A)		Load radius (B)														At max. reach			
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach	
																			
3.5 m (11.5 ft)	kg lb																*670 *1480	510 1120	2.85 (9.4)
3.0 m (9.8 ft)	kg lb								*600 *1320	480 1060							*600 *1320	390 860	3.35 (11.0)
2.5 m (8.2 ft)	kg lb								*610 *1340	470 1040	*640 *1410	360 790					*570 *1260	330 730	3.68 (12.1)
2.0m (6.6 ft)	kg lb								*680 *1500	460 1010	*670 *1480	360 790					*560 *1230	300 660	3.89 (12.8)
1.5m (4.9 ft)	kg lb					*1230 *2710	860 1900	*930 *2050	600 1320	*790 *1740	450 990	*720 *1590	350 770	*610 *1340	280 620		*570 *1260	280 620	4.02 (13.2)
1.0m (3.3 ft)	kg lb							*1170 *2580	570 1260	*920 *2030	430 950	*790 *1740	340 750	*710 *1570	280 620		*590 *1300	270 600	4.06 (13.3)
0.5m (1.6 ft)	kg lb					*1350 *2980	760 1680	*1340 *2950	540 1190	*1020 *2250	420 930	*850 *1870	330 730	*700 *1540	270 600		*640 *1410	270 600	4.02 (13.2)
0.0m (0.0 ft)	kg lb					*1580 *3480	740 1630	*1430 *3150	530 1170	*1080 *2380	410 900	*880 *1940	330 730				*720 *1590	280 620	3.90 (12.8)
-0.5m (-1.6 ft)	kg lb	*1040 *2290	*1040 *2290	*1280 *2820	1240 2730	*2000 *4410	740 1630	*1420 *3130	520 1150	*1080 *2380	400 880	*860 *1900	320 710				*780 *1720	300 660	3.69 (12.1)
-1.0m (-3.3 ft)	kg lb	*1500 *3310	*1500 *3310	*1880 *4140	1260 2780	*1810 *3990	750 1650	*1310 *2890	530 1170	*1000 *2200	400 880						*800 *1760	350 770	3.36 (11.0)
-1.5m (-4.9 ft)	kg lb	*2090 *4610	*2090 *4610	*2190 *4830	1280 2820	*1460 *3220	760 1680	*1060 *2340	540 1190								*810 *1790	440 970	2.87 (9.4)
-2.0m (-6.6 ft)	kg lb					*740 *1630	*740 *1630										*740 *1630	*740 *1630	2.00 (6.6)

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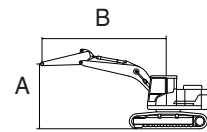
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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
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		2030	1300	270	250	-	Up	-	-	-

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Load point height (A)		Load radius (B)														At max. reach			
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach	
																		m (ft)	
3.5 m (11.5 ft)	kg lb															*670 *1480	540 1190	2.85 (9.4)	
3.0 m (9.8 ft)	kg lb								*600 *1320	510 1120							530 1170	420 930	3.35 (11.0)
2.5 m (8.2 ft)	kg lb								*610 *1340	500 1100	490 1080	390 860					450 990	360 790	3.68 (12.1)
2.0m (6.6 ft)	kg lb								630 1390	490 1080	490 1080	390 860					410 900	320 710	3.89 (12.8)
1.5m (4.9 ft)	kg lb					1190 2620	900 1980	820 1810	640 1410	610 1340	480 1060	480 1060	380 840	390 860	300 660		380 840	300 660	4.02 (13.2)
1.0m (3.3 ft)	kg lb							780 1720	610 1340	590 1300	460 1010	470 1040	370 820	380 840	300 660		370 820	290 640	4.06 (13.3)
0.5m (1.6 ft)	kg lb					1080 2380	810 1790	760 1680	580 1280	580 1280	450 990	460 1010	360 790	380 840	290 640		370 820	290 640	4.02 (13.2)
0.0m (0.0 ft)	kg lb					1070 2360	790 1740	740 1630	570 1260	570 1260	440 970	450 990	350 770				390 860	300 660	3.90 (12.8)
-0.5m (-1.6 ft)	kg lb	*1040 *2290	*1040 *2290	*1280 *2820	*1280 *2820	1070 2360	790 1740	740 1630	560 1230	560 1230	430 950	450 990	350 770				420 930	330 730	3.69 (12.1)
-1.0m (-3.3 ft)	kg lb	*1500 *3310	*1500 *3310	*1880 *4140	1320 2910	1070 2360	800 1760	740 1630	570 1260	560 1230	440 970						480 1060	370 820	3.36 (11.0)
-1.5m (-4.9 ft)	kg lb	*2090 *4610	*2090 *4610	1910 4210	1340 2950	1090 2400	810 1790	750 1650	580 1280								610 1340	480 1060	2.87 (9.4)
-2.0m (-6.6 ft)	kg lb					*740 *1630	*740 *1630										*740 *1630	*740 *1630	2.00 (6.6)

Note 1. Lifting capacity are based on ISO 10567.

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

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※ Lifting capacities are based upon a standard machine conditions.

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



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

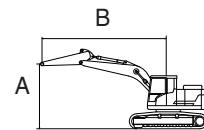
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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX27AZ	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1300	270	250	-	Down	-	-	-

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



Load point height (A)		Load radius (B)														At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
																		m (ft)
3.5 m (11.5 ft)	kg															*670	580	2.85
	lb															*1480	1280	(9.4)
3.0 m (9.8 ft)	kg								*600	540						*600	450	3.35
	lb								*1320	1190						*1320	990	(11.0)
2.5 m (8.2 ft)	kg								*610	540	*640	420				*570	380	3.68
	lb								*1340	1190	*1410	930				*1260	840	(12.1)
2.0m (6.6 ft)	kg								*680	530	*670	410				*560	340	3.89
	lb								*1500	1170	*1480	900				*1230	750	(12.8)
1.5m (4.9 ft)	kg					*1230	980	*930	680	*790	520	*720	410	*610	330	*570	320	4.02
	lb					*2710	2160	*2050	1500	*1740	1150	*1590	900	*1340	730	*1260	710	(13.2)
1.0m (3.3 ft)	kg							*1170	650	*920	500	*790	400	*710	320	*590	310	4.06
	lb							*2580	1430	*2030	1100	*1740	880	*1570	710	*1300	680	(13.3)
0.5m (1.6 ft)	kg					*1350	880	*1340	630	*1020	480	*850	390	*700	320	*640	320	4.02
	lb					*2980	1940	*2950	1390	*2250	1060	*1870	860	*1540	710	*1410	710	(13.2)
0.0m (0.0 ft)	kg					*1580	860	*1430	620	*1080	470	*880	380			*720	330	3.90
	lb					*3480	1900	*3150	1370	*2380	1040	*1940	840			*1590	730	(12.8)
-0.5m (-1.6 ft)	kg	*1040	*1040	*1280	*1280	*2000	860	*1420	610	*1080	470	*860	380			*780	350	3.69
	lb	*2290	*2290	*2820	*2820	*4410	1900	*3130	1340	*2380	1040	*1900	840			*1720	770	(12.1)
-1.0m (-3.3 ft)	kg	*1500	*1500	*1880	1450	*1810	870	*1310	610	*1000	470					*800	400	3.36
	lb	*3310	*3310	*4140	3200	*3990	1920	*2890	1340	*2200	1040					*1760	880	(11.0)
-1.5m (-4.9 ft)	kg	*2090	*2090	*2190	1470	*1460	880	*1060	620							*810	510	2.87
	lb	*4610	*4610	*4830	3240	*3220	1940	*2340	1370							*1790	1120	(9.4)
-2.0m (-6.6 ft)	kg					*740	*740									*740	*740	2.00
	lb					*1630	*1630									*1630	*1630	(6.6)

Note 1. Lifting capacity are based on ISO 10567.

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

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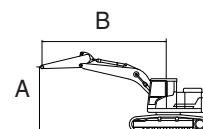
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2) Rubber track 250 mm, canopy type

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outrigger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	130	250	-	Up	-	-	-

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



Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m (11.5 ft)	kg lb													680 1500	530 1170	2.57 (8.4)
3.0 m (9.8 ft)	kg lb								520 1150	410 900				480 1060	380 840	3.13 (10.3)
2.5 m (8.2 ft)	kg lb								520 1150	410 900				400 880	310 680	3.49 (11.4)
2.0 m (6.6 ft)	kg lb							700 1540	540 1190	510 1120	400 880	400 880	310 680	360 790	280 620	3.72 (12.2)
1.5 m (4.9 ft)	kg lb							670 1480	520 1150	500 1100	390 860	390 860	300 660	330 730	260 570	3.85 (12.6)
1.0 m (3.3 ft)	kg lb							640 1410	490 1080	480 1060	370 820	380 840	290 640	320 710	250 550	3.89 (12.8)
0.5 m (1.6 ft)	kg lb							620 1370	470 1040	470 1040	360 790	370 820	290 640	320 710	250 550	3.85 (12.6)
0.0 m (0.0 ft)	kg lb					880 1940	640 1410	610 1340	460 1010	460 1010	350 770	370 820	280 620	340 750	260 570	3.72 (12.2)
-0.5 m (-1.6 ft)	kg lb	*1190 *2620	*1190 *2620	*1420 *3130	1070 2360	880 1940	640 1410	600 1320	460 1010	460 1010	350 770			370 820	280 620	3.50 (11.5)
-1.0 m (-3.3 ft)	kg lb	*1750 *3860	*1750 *3860	1570 3460	1090 2400	890 1960	650 1430	610 1340	460 1010	460 1010	350 770			430 950	330 730	3.14 (10.3)
-1.5 m (-4.9 ft)	kg lb			1600 3530	1110 2450	910 2010	670 1480	630 1390	470 1040					590 1300	450 990	2.59 (8.5)

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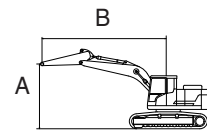
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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	130	250	-	Down	-	-	-

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



Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m (11.5 ft)	kg lb													*740 *1630	570 1260	2.57 (8.4)
3.0 m (9.8 ft)	kg lb									*690 *1520	440 970			*710 *1570	410 900	3.13 (10.3)
2.5 m (8.2 ft)	kg lb									*680 *1500	440 970			*670 *1480	340 750	3.49 (11.4)
2.0 m (6.6 ft)	kg lb							*810 *1790	580 1280	*750 *1650	430 950	*720 *1590	330 730	*660 *1460	300 660	3.72 (12.2)
1.5 m (4.9 ft)	kg lb							*1020 *2250	560 1230	*850 *1870	420 930	*760 *1680	330 730	*670 *1480	280 620	3.85 (12.6)
1.0 m (3.3 ft)	kg lb							*1240 *2730	530 1170	*960 *2120	400 880	*820 *1810	320 710	*710 *1570	270 600	3.89 (12.8)
0.5 m (1.6 ft)	kg lb							*1390 *3060	510 1120	*1050 *2310	390 860	*860 *1900	310 680	*770 *1700	270 600	3.85 (12.6)
0.0 m (0.0 ft)	kg lb					*1590 *3510	700 1540	*1440 *3170	500 1100	*1090 *2400	380 840	*880 *1940	310 680	*800 *1760	280 620	3.72 (12.2)
-0.5 m (-1.6 ft)	kg lb	*1190 *2620	*1190 *2620	*1420 *3130	1190 2620	*1930 *4250	710 1570	*1400 *3090	500 1100	*1070 *2360	380 840			*820 *1810	310 680	3.50 (11.5)
-1.0 m (-3.3 ft)	kg lb	*1750 *3860	*1750 *3860	*2170 *4780	1200 2650	*1690 *3730	710 1570	*1250 *2760	500 1100	*930 *2050	380 840			*840 *1850	360 790	3.14 (10.3)
-1.5 m (-4.9 ft)	kg lb			*1810 *3990	1230 2710	*1270 *2800	730 1610	*900 *1980	520 1150					*830 *1830	490 1080	2.59 (8.5)

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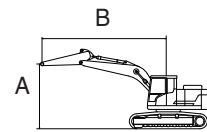
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

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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	270	250	-	Up	-	-	-

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



Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m (11.5 ft)	kg lb													*740 *1630	610 1340	2.57 (8.4)
3.0 m (9.8 ft)	kg lb									600 1320	480 1060			560 1230	440 970	3.13 (10.3)
2.5 m (8.2 ft)	kg lb									600 1320	480 1060			460 1010	370 820	3.49 (11.4)
2.0 m (6.6 ft)	kg lb							800 1760	620 1370	590 1300	470 1040	460 1010	360 790	410 900	330 730	3.72 (12.2)
1.5 m (4.9 ft)	kg lb							770 1700	600 1320	570 1260	450 990	450 990	360 790	390 860	300 660	3.85 (12.6)
1.0 m (3.3 ft)	kg lb							740 1630	570 1260	560 1230	440 970	440 970	350 770	370 820	300 660	3.89 (12.8)
0.5 m (1.6 ft)	kg lb							720 1590	550 1210	540 1190	420 930	430 950	340 750	380 840	300 660	3.85 (12.6)
0.0 m (0.0 ft)	kg lb					1010 2230	760 1680	710 1570	540 1190	540 1190	420 930	430 950	340 750	390 860	310 680	3.72 (12.2)
-0.5 m (-1.6 ft)	kg lb	*1190 *2620	*1190 *2620	*1420 *3130	1250 2760	1020 2250	760 1680	700 1540	540 1190	530 1170	410 900			430 950	340 750	3.50 (11.5)
-1.0 m (-3.3 ft)	kg lb	*1750 *3860	*1750 *3860	1810 3990	1270 2800	1020 2250	770 1700	710 1570	540 1190	540 1190	420 930			500 1100	390 860	3.14 (10.3)
-1.5 m (-4.9 ft)	kg lb			*1810 *3990	1290 2840	1040 2290	780 1720	720 1590	560 1230					690 1520	530 1170	2.59 (8.5)

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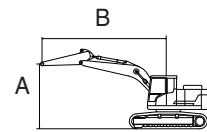
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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	270	250	-	Down	-	-	-

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Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m	kg													*740	660	2.57
(11.5 ft)	lb													*1630	1460	(8.4)
3.0 m	kg									*690	510			*710	470	3.13
(9.8 ft)	lb									*1520	1120			*1570	1040	(10.3)
2.5 m	kg									*680	510			*670	390	3.49
(8.2 ft)	lb									*1500	1120			*1480	860	(11.4)
2.0m	kg							*810	670	*750	500	*720	390	*660	350	3.72
(6.6 ft)	lb							*1790	1480	*1650	1100	*1590	860	*1460	770	(12.2)
1.5m	kg							*1020	640	*850	490	*760	380	*670	330	3.85
(4.9 ft)	lb							*2250	1410	*1870	1080	*1680	840	*1480	730	(12.6)
1.0m	kg							*1240	620	*960	470	*820	370	*710	320	3.89
(3.3 ft)	lb							*2730	1370	*2120	1040	*1810	820	*1570	710	(12.8)
0.5m	kg							*1390	590	*1050	460	*860	370	*770	320	3.85
(1.6 ft)	lb							*3060	1300	*2310	1010	*1900	820	*1700	710	(12.6)
0.0m	kg					*1590	820	*1440	580	*1090	450	*880	360	*800	330	3.72
(0.0 ft)	lb					*3510	1810	*3170	1280	*2400	990	*1940	790	*1760	730	(12.2)
-0.5m	kg	*1190	*1190	*1420	1380	*1930	820	*1400	580	*1070	450			*820	360	3.50
(-1.6 ft)	lb	*2620	*2620	*3130	3040	*4250	1810	*3090	1280	*2360	990			*1810	790	(11.5)
-1.0m	kg	*1750	*1750	*2170	1400	*1690	830	*1250	590	*930	450			*840	420	3.14
(-3.3 ft)	lb	*3860	*3860	*4780	3090	*3730	1830	*2760	1300	*2050	990			*1850	930	(10.3)
-1.5m	kg			*1810	1420	*1270	850	*900	600					*830	570	2.59
(-4.9 ft)	lb			*3990	3130	*2800	1870	*1980	1320					*1830	1260	(8.5)

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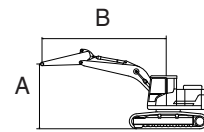
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





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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1300	130	250	-	Up	-	-	-

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 ·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)														At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
																		m (ft)
3.5 m (11.5 ft)	kg															580	450	2.85
	lb															1280	990	(9.4)
3.0 m (9.8 ft)	kg									530	420					440	340	3.35
	lb									1170	930					970	750	(11.0)
2.5 m (8.2 ft)	kg									530	420	410	320			370	290	3.68
	lb									1170	930	900	710			820	640	(12.1)
2.0 m (6.6 ft)	kg									520	410	400	310			330	260	3.89
	lb									1150	900	880	680			730	570	(12.8)
1.5 m (4.9 ft)	kg					1000	750	680	530	500	390	390	310	310	240	310	240	4.02
	lb					2200	1650	1500	1170	1100	860	860	680	680	530	680	530	(13.2)
1.0 m (3.3 ft)	kg							650	500	490	380	380	300	310	240	300	230	4.06
	lb							1430	1100	1080	840	840	660	680	530	660	510	(13.3)
0.5 m (1.6 ft)	kg					890	650	620	470	470	360	370	290	300	230	300	230	4.02
	lb					1960	1430	1370	1040	1040	790	820	640	660	510	660	510	(13.2)
0.0 m (0.0 ft)	kg					880	640	610	460	460	350	370	280			310	240	3.90
	lb					1940	1410	1340	1010	1010	770	820	620			680	530	(12.8)
-0.5 m (-1.6 ft)	kg	*1040	*1040	*1280	1060	870	640	600	450	460	350	360	280			340	260	3.69
	lb	*2290	*2290	*2820	2340	1920	1410	1320	990	1010	770	790	620			750	570	(12.1)
-1.0 m (-3.3 ft)	kg	*1500	*1500	1560	1070	880	650	610	460	460	350					390	300	3.36
	lb	*3310	*3310	3440	2360	1940	1430	1340	1010	1010	770					860	660	(11.0)
-1.5 m (-4.9 ft)	kg	*2090	*2090	1580	1100	890	660	620	470							500	380	2.87
	lb	*4610	*4610	3480	2430	1960	1460	1370	1040							1100	840	(9.4)
-2.0 m (-6.6 ft)	kg					*740	690									*740	690	2.00
	lb					*1630	1520									*1630	1520	(6.6)

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

※ Lifting capacities are based upon a standard machine conditions.

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



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

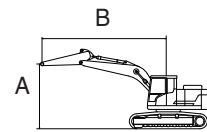
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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1300	130	250	-	Down	-	-	-

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



Load point height (A)		Load radius (B)														At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
																		m (ft)
3.5 m (11.5 ft)	kg															*670	490	2.85
	lb															*1480	1080	(9.4)
3.0 m (9.8 ft)	kg								*600	450						*600	370	3.35
	lb								*1320	990						*1320	820	(11.0)
2.5 m (8.2 ft)	kg								*610	450	*640	340				*570	310	3.68
	lb								*1340	990	*1410	750				*1260	680	(12.1)
2.0m (6.6 ft)	kg								*680	440	*670	340				*560	280	3.89
	lb								*1500	970	*1480	750				*1230	620	(12.8)
1.5m (4.9 ft)	kg					*1230	820	*930	570	*790	420	*720	330	*610	260	*570	260	4.02
	lb					*2710	1810	*2050	1260	*1740	930	*1590	730	*1340	570	*1260	570	(13.2)
1.0m (3.3 ft)	kg							*1170	540	*920	410	*790	320	*710	260	*590	250	4.06
	lb							*2580	1190	*2030	900	*1740	710	*1570	570	*1300	550	(13.3)
0.5m (1.6 ft)	kg					*1350	720	*1340	510	*1020	390	*850	310	*700	250	*640	250	4.02
	lb					*2980	1590	*2950	1120	*2250	860	*1870	680	*1540	550	*1410	550	(13.2)
0.0m (0.0 ft)	kg					*1580	700	*1430	500	*1080	380	*880	310			*720	260	3.90
	lb					*3480	1540	*3150	1100	*2380	840	*1940	680			*1590	570	(12.8)
-0.5m (-1.6 ft)	kg	*1040	*1040	*1280	1180	*2000	700	*1420	490	*1080	380	*860	300			*780	280	3.69
	lb	*2290	*2290	*2820	2600	*4410	1540	*3130	1080	*2380	840	*1900	660			*1720	620	(12.1)
-1.0m (-3.3 ft)	kg	*1500	*1500	*1880	1190	*1810	710	*1310	500	*1000	380					*800	320	3.36
	lb	*3310	*3310	*4140	2620	*3990	1570	*2890	1100	*2200	840					*1760	710	(11.0)
-1.5m (-4.9 ft)	kg	*2090	*2090	*2190	1210	*1460	720	*1060	510							*810	420	2.87
	lb	*4610	*4610	*4830	2670	*3220	1590	*2340	1120							*1790	930	(9.4)
-2.0m (-6.6 ft)	kg					*740	*740									*740	*740	2.00
	lb					*1630	*1630									*1630	*1630	(6.6)

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



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

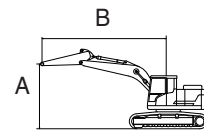
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








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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1300	270	250	-	Up	-	-	-

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



Load point height (A)		Load radius (B)														At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
																		m (ft)
3.5 m (11.5 ft)	kg lb															660 1460	520 1150	2.85 (9.4)
3.0 m (9.8 ft)	kg lb									*600 *1320	480 1060					500 1100	400 880	3.35 (11.0)
2.5 m (8.2 ft)	kg lb									610 1340	480 1060	470 1040	370 820			430 950	340 750	3.68 (12.1)
2.0 m (6.6 ft)	kg lb									600 1320	470 1040	460 1010	370 820			390 860	310 680	3.89 (12.8)
1.5 m (4.9 ft)	kg lb					1140 2510	860 1900	780 1720	610 1340	580 1280	460 1010	450 990	360 790	370 820	290 640	360 790	290 640	4.02 (13.2)
1.0 m (3.3 ft)	kg lb							750 1650	580 1280	560 1230	440 970	440 970	350 770	360 790	280 620	350 770	280 620	4.06 (13.3)
0.5 m (1.6 ft)	kg lb					1030 2270	770 1700	720 1590	550 1210	550 1210	430 950	440 970	340 750	360 790	280 620	350 770	280 620	4.02 (13.2)
0.0 m (0.0 ft)	kg lb					1010 2230	760 1680	710 1570	540 1190	540 1190	420 930	430 950	340 750			370 820	290 640	3.90 (12.8)
-0.5 m (-1.6 ft)	kg lb	*1040 *2290	*1040 *2290	*1280 *2820	1240 2730	1010 2230	750 1650	700 1540	540 1190	530 1170	410 900	430 950	330 730			400 880	310 680	3.69 (12.1)
-1.0 m (-3.3 ft)	kg lb	*1500 *3310	*1500 *3310	1790 3950	1250 2760	1020 2250	760 1680	700 1540	540 1190	530 1170	410 900					450 990	360 790	3.36 (11.0)
-1.5 m (-4.9 ft)	kg lb	*2090 *4610	*2090 *4610	1820 4010	1280 2820	1030 2270	770 1700	710 1570	550 1210							580 1280	450 990	2.87 (9.4)
-2.0 m (-6.6 ft)	kg lb					*740 *1630	*740 *1630									*740 *1630	*740 *1630	2.00 (6.6)

- Note
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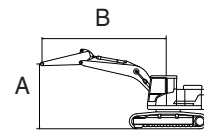
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Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1300	270	250	-	Down	-	-	-

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



Load point height (A)		Load radius (B)														At max. reach			
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach	
																		m (ft)	
3.5 m (11.5 ft)	kg																*670	560	2.85
	lb																*1480	1230	(9.4)
3.0 m (9.8 ft)	kg								*600	520							*600	430	3.35
	lb								*1320	1150							*1320	950	(11.0)
2.5 m (8.2 ft)	kg								*610	520	*640	400					*570	360	3.68
	lb								*1340	1150	*1410	880					*1260	790	(12.1)
2.0m (6.6 ft)	kg								*680	510	*670	390					*560	330	3.89
	lb								*1500	1120	*1480	860					*1230	730	(12.8)
1.5m (4.9 ft)	kg					*1230	930	*930	650	*790	490	*720	390	*610	310		*570	310	4.02
	lb					*2710	2050	*2050	1430	*1740	1080	*1590	860	*1340	680		*1260	680	(13.2)
1.0m (3.3 ft)	kg							*1170	620	*920	470	*790	380	*710	310		*590	300	4.06
	lb							*2580	1370	*2030	1040	*1740	840	*1570	680		*1300	660	(13.3)
0.5m (1.6 ft)	kg					*1350	830	*1340	600	*1020	460	*850	370	*700	300		*640	300	4.02
	lb					*2980	1830	*2950	1320	*2250	1010	*1870	820	*1540	660		*1410	660	(13.2)
0.0m (0.0 ft)	kg					*1580	820	*1430	590	*1080	450	*880	360				*720	310	3.90
	lb					*3480	1810	*3150	1300	*2380	990	*1940	790				*1590	680	(12.8)
-0.5m (-1.6 ft)	kg	*1040	*1040	*1280	*1280	*2000	820	*1420	580	*1080	450	*860	360				*780	330	3.69
	lb	*2290	*2290	*2820	*2820	*4410	1810	*3130	1280	*2380	990	*1900	790				*1720	730	(12.1)
-1.0m (-3.3 ft)	kg	*1500	*1500	*1880	1380	*1810	830	*1310	580	*1000	450						*800	380	3.36
	lb	*3310	*3310	*4140	3040	*3990	1830	*2890	1280	*2200	990						*1760	840	(11.0)
-1.5m (-4.9 ft)	kg	*2090	*2090	*2190	1400	*1460	840	*1060	590								*810	490	2.87
	lb	*4610	*4610	*4830	3090	*3220	1850	*2340	1300								*1790	1080	(9.4)
-2.0m (-6.6 ft)	kg					*740	*740										*740	*740	2.00
	lb					*1630	*1630										*1630	*1630	(6.6)

Note 1. Lifting capacity are based on ISO 10567.

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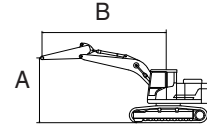
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




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3) Steel track 300 mm, cab type

Model	Type	Boom	Arm	Counterweight	Steel shoe	Wheel	Dozer		Outrigger	
HX27AZ	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	130	300	-	Up	-	-	-

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



Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m (11.5 ft)	kg lb													*740 *1630	600 1320	2.55 (8.4)
3.0 m (9.8 ft)	kg lb								590 1300	460 1010				550 1210	430 950	3.12 (10.2)
2.5 m (8.2 ft)	kg lb								590 1300	460 1010				450 990	360 790	3.48 (11.4)
2.0 m (6.6 ft)	kg lb							780 1720	610 1340	580 1280	450 990	450 990	350 770	400 880	320 710	3.71 (12.2)
1.5 m (4.9 ft)	kg lb							750 1650	580 1280	560 1230	440 970	440 970	340 750	380 840	290 640	3.84 (12.6)
1.0 m (3.3 ft)	kg lb							720 1590	550 1210	550 1210	420 930	430 950	340 750	370 820	280 620	3.89 (12.8)
0.5 m (1.6 ft)	kg lb							700 1540	530 1170	530 1170	410 900	420 930	330 730	370 820	290 640	3.85 (12.6)
0.0 m (0.0 ft)	kg lb					990 2180	730 1610	690 1520	520 1150	520 1150	400 880	420 930	320 710	380 840	300 660	3.73 (12.2)
-0.5 m (-1.6 ft)	kg lb	*1180 *2600	*1180 *2600	*1400 *3090	1210 2670	990 2180	730 1610	680 1500	520 1150	520 1150	400 880	420 930	320 710	420 930	320 710	3.50 (11.5)
-1.0 m (-3.3 ft)	kg lb	*1730 *3810	*1730 *3810	1760 3880	1220 2690	1000 2200	740 1630	690 1520	520 1150	520 1150	400 880			490 1080	380 840	3.16 (10.4)
-1.5 m (-4.9 ft)	kg lb			1790 3950	1250 2760	1020 2250	760 1680	700 1540	540 1190					660 1460	510 1120	2.61 (8.6)

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 3. The lift-point is bucket pivot mounting pin on the arm (without bucket mass).
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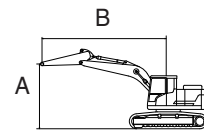
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Model	Type	Boom	Arm	Counterweight	Steel shoe	Wheel	Dozer		Outtriger	
HX27AZ	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	130	300	-	Down	-	-	-

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



Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m (11.5 ft)	kg													*740	650	2.55
	lb													*1630	1430	(8.4)
3.0 m (9.8 ft)	kg									*690	500			*710	460	3.12
	lb									*1520	1100			*1570	1010	(10.2)
2.5 m (8.2 ft)	kg									*680	500			*670	390	3.48
	lb									*1500	1100			*1480	860	(11.4)
2.0 m (6.6 ft)	kg							*800	660	*740	490	*710	380	*660	340	3.71
	lb							*1760	1460	*1630	1080	*1570	840	*1460	750	(12.2)
1.5 m (4.9 ft)	kg							*1020	630	*850	470	*760	370	*670	320	3.84
	lb							*2250	1390	*1870	1040	*1680	820	*1480	710	(12.6)
1.0 m (3.3 ft)	kg							*1240	600	*960	460	*820	360	*700	310	3.89
	lb							*2730	1320	*2120	1010	*1810	790	*1540	680	(12.8)
0.5 m (1.6 ft)	kg							*1390	580	*1050	450	*860	360	*760	310	3.85
	lb							*3060	1280	*2310	990	*1900	790	*1680	680	(12.6)
0.0 m (0.0 ft)	kg					*1580	800	*1440	570	*1090	440	*880	350	*800	320	3.73
	lb					*3480	1760	*3170	1260	*2400	970	*1940	770	*1760	710	(12.2)
-0.5 m (-1.6 ft)	kg	*1180	*1180	*1400	1340	*1940	800	*1400	570	*1070	440	*820	350	*820	350	3.50
	lb	*2600	*2600	*3090	2950	*4280	1760	*3090	1260	*2360	970	*1810	770	*1810	770	(11.5)
-1.0 m (-3.3 ft)	kg	*1730	*1730	*2150	1360	*1700	810	*1250	570	*940	440			*840	410	3.16
	lb	*3810	*3810	*4740	3000	*3750	1790	*2760	1260	*2070	970			*1850	900	(10.4)
-1.5 m (-4.9 ft)	kg			*1840	1380	*1280	830	*920	590					*830	550	2.61
	lb			*4060	3040	*2820	1830	*2030	1300					*1830	1210	(8.6)

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



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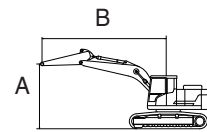
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Model	Type	Boom	Arm	Counterweight	Steel shoe	Wheel	Dozer		Outtriger	
HX27AZ	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	270	300	-	Up	-	-	-

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



Load point height (A)	Load radius (B)												At max. reach		
	1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
															m (ft)
3.5 m (11.5 ft)	kg												*740	680	2.55
	lb												*1630	1500	(8.4)
3.0 m (9.8 ft)	kg								660	530			620	490	3.12
	lb								1460	1170			1370	1080	(10.2)
2.5 m (8.2 ft)	kg								660	530			520	410	3.48
	lb								1460	1170			1150	900	(11.4)
2.0 m (6.6 ft)	kg						*800	690	650	520	510	400	460	370	3.71
	lb						*1760	1520	1430	1150	1120	880	1010	820	(12.2)
1.5 m (4.9 ft)	kg						850	660	640	500	500	400	430	340	3.84
	lb						1870	1460	1410	1100	1100	880	950	750	(12.6)
1.0 m (3.3 ft)	kg						820	630	620	490	490	390	420	330	3.89
	lb						1810	1390	1370	1080	1080	860	930	730	(12.8)
0.5 m (1.6 ft)	kg						800	610	610	480	480	380	420	330	3.85
	lb						1760	1340	1340	1060	1060	840	930	730	(12.6)
0.0 m (0.0 ft)	kg					1120	840	780	600	600	470	480	440	350	3.73
	lb					2470	1850	1720	1320	1320	1040	1060	970	770	(12.2)
-0.5 m (-1.6 ft)	kg	*1180	*1180	*1400	1390	1130	840	780	600	600	460	480	480	380	3.50
	lb	*2600	*2600	*3090	3060	2490	1850	1720	1320	1320	1010	1060	1060	840	(11.5)
-1.0 m (-3.3 ft)	kg	*1730	*1730	1990	1400	1130	850	790	610	600	470		560	440	3.16
	lb	*3810	*3810	4390	3090	2490	1870	1740	1340	1320	1040		1230	970	(10.4)
-1.5 m (-4.9 ft)	kg			*1840	1430	1150	870	800	620				750	590	2.61
	lb			*4060	3150	2540	1920	1760	1370				1650	1300	(8.6)

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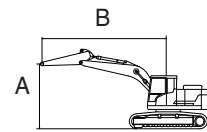
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Model	Type	Boom	Arm	Counterweight	Steel shoe	Wheel	Dozer		Outtriger	
HX27AZ	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	270	300	-	Down	-	-	-

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



Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m (11.5 ft)	kg													*740	730	2.55
	lb													*1630	1610	(8.4)
3.0 m (9.8 ft)	kg									*690	570			*710	530	3.12
	lb									*1520	1260			*1570	1170	(10.2)
2.5 m (8.2 ft)	kg									*680	560			*670	440	3.48
	lb									*1500	1230			*1480	970	(11.4)
2.0 m (6.6 ft)	kg							*800	740	*740	560	*710	430	*660	390	3.71
	lb							*1760	1630	*1630	1230	*1570	950	*1460	860	(12.2)
1.5 m (4.9 ft)	kg							*1020	710	*850	540	*760	430	*670	370	3.84
	lb							*2250	1570	*1870	1190	*1680	950	*1480	820	(12.6)
1.0 m (3.3 ft)	kg							*1240	690	*960	530	*820	420	*700	360	3.89
	lb							*2730	1520	*2120	1170	*1810	930	*1540	790	(12.8)
0.5 m (1.6 ft)	kg							*1390	670	*1050	510	*860	410	*760	360	3.85
	lb							*3060	1480	*2310	1120	*1900	900	*1680	790	(12.6)
0.0 m (0.0 ft)	kg					*1580	920	*1440	650	*1090	500	*880	410	*800	370	3.73
	lb					*3480	2030	*3170	1430	*2400	1100	*1940	900	*1760	820	(12.2)
-0.5 m (-1.6 ft)	kg	*1180	*1180	*1400	*1400	*1940	920	*1400	650	*1070	500	*820	410	*820	410	3.50
	lb	*2600	*2600	*3090	*3090	*4280	2030	*3090	1430	*2360	1100	*1810	900	*1810	900	(11.5)
-1.0 m (-3.3 ft)	kg	*1730	*1730	*2150	1550	*1700	930	*1250	660	*940	510			*840	470	3.16
	lb	*3810	*3810	*4740	3420	*3750	2050	*2760	1460	*2070	1120			*1850	1040	(10.4)
-1.5 m (-4.9 ft)	kg			*1840	1580	*1280	950	*920	670					*830	630	2.61
	lb			*4060	3480	*2820	2090	*2030	1480					*1830	1390	(8.6)

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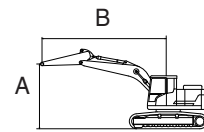
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





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Model	Type	Boom	Arm	Counterweight	Steel shoe	Wheel	Dozer		Outtriger	
HX27AZ	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1300	130	300	-	Up	-	-	-

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



Load point height (A)		Load radius (B)														At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
																		m (ft)
3.5 m (11.5 ft)	kg lb															650 1430	510 1120	2.83 (9.3)
3.0 m (9.8 ft)	kg lb									600 1320	470 1040					490 1080	390 860	3.34 (11.0)
2.5 m (8.2 ft)	kg lb									590 1300	470 1040	460 1010	360 790			420 930	330 730	3.67 (12.1)
2.0 m (6.6 ft)	kg lb									580 1280	460 1010	450 990	360 790			380 840	300 660	3.89 (12.8)
1.5 m (4.9 ft)	kg lb					1110 2450	840 1850	760 1680	590 1300	570 1260	440 970	440 970	350 770	360 790	280 620	350 770	280 620	4.01 (13.2)
1.0 m (3.3 ft)	kg lb							730 1610	560 1230	550 1210	430 950	430 950	340 750	350 770	270 600	340 750	270 600	4.06 (13.3)
0.5 m (1.6 ft)	kg lb					1000 2200	740 1630	700 1540	540 1190	530 1170	410 900	420 930	330 730	350 770	270 600	340 750	270 600	4.02 (13.2)
0.0 m (0.0 ft)	kg lb					990 2180	730 1610	690 1520	520 1150	520 1150	400 880	420 930	320 710			360 790	280 620	3.90 (12.8)
-0.5 m (-1.6 ft)	kg lb	*1020 *2250	*1020 *2250	*1260 *2780	1200 2650	990 2180	730 1610	680 1500	520 1150	520 1150	400 880	420 930	320 710			390 860	300 660	3.70 (12.1)
-1.0 m (-3.3 ft)	kg lb	*1480 *3260	*1480 *3260	1740 3840	1210 2670	990 2180	730 1610	690 1520	520 1150	520 1150	400 880					440 970	340 750	3.37 (11.1)
-1.5 m (-4.9 ft)	kg lb	*2070 *4560	*2070 *4560	1770 3900	1230 2710	1010 2230	750 1650	700 1540	530 1170							560 1230	430 950	2.88 (9.5)
-2.0 m (-6.6 ft)	kg lb					*770 *1700	*770 *1700									*740 *1630	*740 *1630	2.04 (6.7)

Note 1. Lifting capacity are based on ISO 10567.

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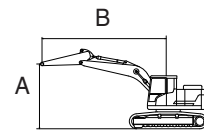
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





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Model	Type	Boom	Arm	Counterweight	Steel shoe	Wheel	Dozer		Outtriger	
HX27AZ	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1300	130	300	-	Down	-	-	-

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



Load point height (A)		Load radius (B)														At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
																		m (ft)
3.5 m (11.5 ft)	kg lb															*670 *1480	550 1210	2.83 (9.3)
3.0 m (9.8 ft)	kg lb									*600 *1320	510 1120					*600 *1320	420 930	3.34 (11.0)
2.5 m (8.2 ft)	kg lb									*610 *1340	500 1100	*640 *1410	390 860			*570 *1260	360 790	3.67 (12.1)
2.0 m (6.6 ft)	kg lb									*680 *1500	490 1080	*660 *1460	380 840			*560 *1230	320 710	3.89 (12.8)
1.5 m (4.9 ft)	kg lb					*1210 *2670	910 2010	*920 *2030	640 1410	*790 *1740	480 1060	*720 *1590	380 840	*600 *1320	300 660	*570 *1260	300 660	4.01 (13.2)
1.0 m (3.3 ft)	kg lb							*1160 *2560	610 1340	*920 *2030	460 1010	*790 *1740	370 820	*710 *1570	300 660	*590 *1300	290 640	4.06 (13.3)
0.5 m (1.6 ft)	kg lb					*1350 *2980	810 1790	*1340 *2950	580 1280	*1020 *2250	450 990	*840 *1850	360 790	*700 *1540	290 640	*640 *1410	290 640	4.02 (13.2)
0.0 m (0.0 ft)	kg lb					*1570 *3460	800 1760	*1430 *3150	570 1260	*1080 *2380	440 970	*880 *1940	350 770			*710 *1570	300 660	3.90 (12.8)
-0.5 m (-1.6 ft)	kg lb	*1020 *2250	*1020 *2250	*1260 *2780	*1260 *2780	*2010 *4430	800 1760	*1420 *3130	570 1260	*1080 *2380	430 950	*860 *1900	350 770			*780 *1720	320 710	3.70 (12.1)
-1.0 m (-3.3 ft)	kg lb	*1480 *3260	*1480 *3260	*1860 *4100	1340 2950	*1820 *4010	800 1760	*1320 *2910	570 1260	*1000 *2200	440 970					*800 *1760	370 820	3.37 (11.1)
-1.5 m (-4.9 ft)	kg lb	*2070 *4560	*2070 *4560	*2210 *4870	1370 3020	*1480 *3260	820 1810	*1070 *2360	580 1280							*810 *1790	470 1040	2.88 (9.5)
-2.0 m (-6.6 ft)	kg lb					*770 *1700	*770 *1700									*740 *1630	*740 *1630	2.04 (6.7)

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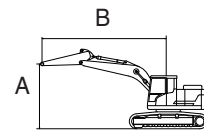
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Model	Type	Boom	Arm	Counterweight	Steel shoe	Wheel	Dozer		Outtriger	
HX27AZ	Cab	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1300	270	300	-	Up	-	-	-

 : Rating over-front
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Load point height (A)		Load radius (B)														At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
																		m (ft)
3.5 m (11.5 ft)	kg lb															*670 *1480	580 1280	2.83 (9.3)
3.0 m (9.8 ft)	kg lb									*600 *1320	540 1190					560 1230	440 970	3.34 (11.0)
2.5 m (8.2 ft)	kg lb									*610 *1340	530 1170	520 1150	410 900			480 1060	380 840	3.67 (12.1)
2.0 m (6.6 ft)	kg lb									660 1460	520 1150	510 1120	410 900			430 950	340 750	3.89 (12.8)
1.5 m (4.9 ft)	kg lb					*1210 *2670	950 2090	860 1900	670 1480	640 1410	510 1120	500 1100	400 880	410 900	320 710	410 900	320 710	4.01 (13.2)
1.0 m (3.3 ft)	kg lb							830 1830	640 1410	620 1370	490 1080	490 1080	390 860	400 880	320 710	390 860	310 680	4.06 (13.3)
0.5 m (1.6 ft)	kg lb					1140 2510	860 1900	800 1760	620 1370	610 1340	480 1060	490 1080	380 840	400 880	320 710	400 880	310 680	4.02 (13.2)
0.0 m (0.0 ft)	kg lb					1120 2470	840 1850	790 1740	610 1340	470 1040	480 1060	380 840				410 900	320 710	3.90 (12.8)
-0.5 m (-1.6 ft)	kg lb	*1020 *2250	*1020 *2250	*1260 *2780	*1260 *2780	1120 2470	840 1850	780 1720	600 1320	590 1300	460 1010	480 1060	370 820			440 970	350 770	3.70 (12.1)
-1.0 m (-3.3 ft)	kg lb	*1480 *3260	*1480 *3260	*1860 *4100	1390 3060	1130 2490	850 1870	780 1720	600 1320	600 1320	460 1010					510 1120	400 880	3.37 (11.1)
-1.5 m (-4.9 ft)	kg lb	*2070 *4560	*2070 *4560	2000 4410	1410 3110	1140 2510	860 1900	790 1740	610 1340							640 1410	500 1100	2.88 (9.5)
-2.0 m (-6.6 ft)	kg lb					*770 *1700	*770 *1700									*740 *1630	*740 *1630	2.04 (6.7)

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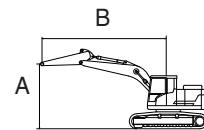
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Model	Type	Boom	Arm	Counterweight	Steel shoe	Wheel	Dozer		Outtriger	
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		2030	1300	270	300	-	Down	-	-	-

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Load point height (A)		Load radius (B)														At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
																		m (ft)
3.5 m (11.5 ft)	kg lb															*670 *1480	620 1370	2.83 (9.3)
3.0 m (9.8 ft)	kg lb									*600 *1320	570 1260					*600 *1320	480 1060	3.34 (11.0)
2.5 m (8.2 ft)	kg lb									*610 *1340	570 1260	*640 *1410	440 970			*570 *1260	410 900	3.67 (12.1)
2.0 m (6.6 ft)	kg lb									*680 *1500	560 1230	*660 *1460	440 970			*560 *1230	370 820	3.89 (12.8)
1.5 m (4.9 ft)	kg lb					*1210 *2670	1030 2270	*920 *2030	720 1590	*790 *1740	550 1210	*720 *1590	430 950	*600 *1320	350 770	*570 *1260	350 770	4.01 (13.2)
1.0 m (3.3 ft)	kg lb							*1160 *2560	690 1520	*920 *2030	530 1170	*790 *1740	420 930	*710 *1570	340 750	*590 *1300	340 750	4.06 (13.3)
0.5 m (1.6 ft)	kg lb					*1350 *2980	930 2050	*1340 *2950	670 1480	*1020 *2250	520 1150	*840 *1850	410 900	*700 *1540	340 750	*640 *1410	340 750	4.02 (13.2)
0.0 m (0.0 ft)	kg lb					*1570 *3460	920 2030	*1430 *3150	660 1460	*1080 *2380	510 1120	*880 *1940	410 900			*710 *1570	350 770	3.90 (12.8)
-0.5 m (-1.6 ft)	kg lb	*1020 *2250	*1020 *2250	*1260 *2780	*1260 *2780	*2010 *4430	920 2030	*1420 *3130	650 1430	*1080 *2380	500 1100	*860 *1900	400 880			*780 *1720	380 840	3.70 (12.1)
-1.0 m (-3.3 ft)	kg lb	*1480 *3260	*1480 *3260	*1860 *4100	1540 3400	*1820 *4010	920 2030	*1320 *2910	650 1430	*1000 *2200	500 1100					*800 *1760	430 950	3.37 (11.1)
-1.5 m (-4.9 ft)	kg lb	*2070 *4560	*2070 *4560	*2210 *4870	1560 3440	*1480 *3260	940 2070	*1070 *2360	660 1460							*810 *1790	540 1190	2.88 (9.5)
-2.0 m (-6.6 ft)	kg lb					*770 *1700	*770 *1700									*740 *1630	*740 *1630	2.04 (6.7)

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.

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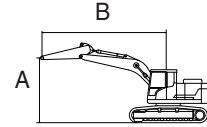
※ Please be aware of the local regulations and instructions for lifting operations.















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4) Steel track 300 mm, canopy type

Model	Type	Boom	Arm	Counterweight	Steel shoe	Wheel	Dozer		Outrigger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	130	300	-	Up	-	-	-

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



Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m (11.5 ft)	kg lb													730 1610	570 1260	2.55 (8.4)
3.0 m (9.8 ft)	kg lb								560 1230	440 970				520 1150	410 900	3.12 (10.2)
2.5 m (8.2 ft)	kg lb								560 1230	440 970				430 950	340 750	3.48 (11.4)
2.0m (6.6 ft)	kg lb							740 1630	580 1280	550 1210	430 950	420 930	330 730	380 840	300 660	3.71 (12.2)
1.5m (4.9 ft)	kg lb							710 1570	550 1210	530 1170	420 930	420 930	330 730	360 790	280 620	3.84 (12.6)
1.0m (3.3 ft)	kg lb							680 1500	520 1150	520 1150	400 880	410 900	320 710	350 770	270 600	3.89 (12.8)
0.5m (1.6 ft)	kg lb							660 1460	500 1100	500 1100	390 860	400 880	310 680	350 770	270 600	3.85 (12.6)
0.0m (0.0 ft)	kg lb					930 2050	690 1520	650 1430	490 1080	490 1080	380 840	390 860	310 680	360 790	280 620	3.73 (12.2)
-0.5m (-1.6 ft)	kg lb	*1180 *2600	*1180 *2600	*1400 *3090	1150 2540	940 2070	690 1520	650 1430	490 1080	490 1080	380 840	390 860	310 680	390 860	310 680	3.50 (11.5)
-1.0m (-3.3 ft)	kg lb	*1730 *3810	*1730 *3810	1670 3680	1160 2560	940 2070	700 1540	650 1430	500 1100	500 1100	380 840			460 1010	360 790	3.16 (10.4)
-1.5m (-4.9 ft)	kg lb			1700 3750	1190 2620	960 2120	720 1590	670 1480	510 1120					630 1390	480 1060	2.61 (8.6)

- Note
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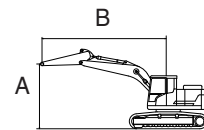
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Model	Type	Boom	Arm	Counterweight	Steel shoe	Wheel	Dozer		Outtriger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	130	300	-	Down	-	-	-

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



Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m (11.5 ft)	kg													*740	620	2.55
	lb													*1630	1370	(8.4)
3.0 m (9.8 ft)	kg									*690	470			*710	440	3.12
	lb									*1520	1040			*1570	970	(10.2)
2.5 m (8.2 ft)	kg									*680	470			*670	370	3.48
	lb									*1500	1040			*1480	820	(11.4)
2.0 m (6.6 ft)	kg							*800	630	*740	470	*710	360	*660	330	3.71
	lb							*1760	1390	*1630	1040	*1570	790	*1460	730	(12.2)
1.5 m (4.9 ft)	kg							*1020	600	*850	450	*760	350	*670	300	3.84
	lb							*2250	1320	*1870	990	*1680	770	*1480	660	(12.6)
1.0 m (3.3 ft)	kg							*1240	570	*960	440	*820	340	*700	290	3.89
	lb							*2730	1260	*2120	970	*1810	750	*1540	640	(12.8)
0.5 m (1.6 ft)	kg							*1390	550	*1050	420	*860	340	*760	290	3.85
	lb							*3060	1210	*2310	930	*1900	750	*1680	640	(12.6)
0.0 m (0.0 ft)	kg					*1580	760	*1440	540	*1090	410	*880	330	*800	300	3.73
	lb					*3480	1680	*3170	1190	*2400	900	*1940	730	*1760	660	(12.2)
-0.5 m (-1.6 ft)	kg	*1180	*1180	*1400	1280	*1940	760	*1400	540	*1070	410	*820	330	*820	330	3.50
	lb	*2600	*2600	*3090	2820	*4280	1680	*3090	1190	*2360	900	*1810	730	*1810	730	(11.5)
-1.0 m (-3.3 ft)	kg	*1730	*1730	*2150	1290	*1700	770	*1250	540	*940	420			*840	390	3.16
	lb	*3810	*3810	*4740	2840	*3750	1700	*2760	1190	*2070	930			*1850	860	(10.4)
-1.5 m (-4.9 ft)	kg			*1840	1320	*1280	790	*920	560					*830	520	2.61
	lb			*4060	2910	*2820	1740	*2030	1230					*1830	1150	(8.6)

- Note
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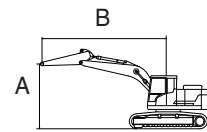
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

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Model	Type	Boom	Arm	Counterweight	Steel shoe	Wheel	Dozer		Outtriger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	270	300	-	Up	-	-	-

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



Load point height (A)	Load radius (B)												At max. reach		
	1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
															m (ft)
3.5 m (11.5 ft)	kg												*740	660	2.55
	lb												*1630	1460	(8.4)
3.0 m (9.8 ft)	kg								630	500			590	470	3.12
	lb								1390	1100			1300	1040	(10.2)
2.5 m (8.2 ft)	kg								630	500			490	390	3.48
	lb								1390	1100			1080	860	(11.4)
2.0 m (6.6 ft)	kg						*800	660	620	500	480	390	440	350	3.71
	lb						*1760	1460	1370	1100	1060	860	970	770	(12.2)
1.5 m (4.9 ft)	kg						810	630	610	480	480	380	410	330	3.84
	lb						1790	1390	1340	1060	1060	840	900	730	(12.6)
1.0 m (3.3 ft)	kg						780	610	590	470	470	370	400	320	3.89
	lb						1720	1340	1300	1040	1040	820	880	710	(12.8)
0.5 m (1.6 ft)	kg						760	590	580	450	460	360	400	320	3.85
	lb						1680	1300	1280	990	1010	790	880	710	(12.6)
0.0 m (0.0 ft)	kg					1070	800	750	580	570	450	460	360	420	3.73
	lb					2360	1760	1650	1280	1260	990	1010	790	930	(12.2)
-0.5 m (-1.6 ft)	kg	*1180	*1180	*1400	1330	1070	810	740	570	570	440	460	360	450	3.50
	lb	*2600	*2600	*3090	2930	2360	1790	1630	1260	1260	970	1010	790	990	(11.5)
-1.0 m (-3.3 ft)	kg	*1730	*1730	1900	1340	1080	810	750	580	570	450			530	3.16
	lb	*3810	*3810	4190	2950	2380	1790	1650	1280	1260	990			1170	(10.4)
-1.5 m (-4.9 ft)	kg			*1840	1370	1100	830	760	590					720	2.61
	lb			*4060	3020	2430	1830	1680	1300					1590	(8.6)

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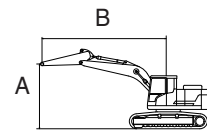
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Model	Type	Boom	Arm	Counterweight	Steel shoe	Wheel	Dozer		Outtriger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	270	300	-	Down	-	-	-

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



Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m (11.5 ft)	kg lb													*740 *1630	700 1540	2.55 (8.4)
3.0 m (9.8 ft)	kg lb									*690 *1520	540 1190			*710 *1570	510 1120	3.12 (10.2)
2.5 m (8.2 ft)	kg lb									*680 *1500	540 1190			*670 *1480	420 930	3.48 (11.4)
2.0 m (6.6 ft)	kg lb							*800 *1760	710 1570	*740 *1630	530 1170	*710 *1570	420 930	*660 *1460	380 840	3.71 (12.2)
1.5 m (4.9 ft)	kg lb							*1020 *2250	680 1500	*850 *1870	520 1150	*760 *1680	410 900	*670 *1480	350 770	3.84 (12.6)
1.0 m (3.3 ft)	kg lb							*1240 *2730	660 1460	*960 *2120	500 1100	*820 *1810	400 880	*700 *1540	340 750	3.89 (12.8)
0.5 m (1.6 ft)	kg lb							*1390 *3060	640 1410	*1050 *2310	490 1080	*860 *1900	390 860	*760 *1680	340 750	3.85 (12.6)
0.0 m (0.0 ft)	kg lb					*1580 *3480	880 1940	*1440 *3170	620 1370	*1090 *2400	480 1060	*880 *1940	390 860	*800 *1760	360 790	3.73 (12.2)
-0.5 m (-1.6 ft)	kg lb	*1180 *2600	*1180 *2600	*1400 *3090	*1400 *3090	*1940 *4280	880 1940	*1400 *3090	620 1370	*1070 *2360	480 1060	*820 *1810	390 860	*820 *1810	390 860	3.50 (11.5)
-1.0 m (-3.3 ft)	kg lb	*1730 *3810	*1730 *3810	*2150 *4740	1480 3260	*1700 *3750	890 1960	*1250 *2760	630 1390	*940 *2070	480 1060			*840 *1850	450 990	3.16 (10.4)
-1.5 m (-4.9 ft)	kg lb			*1840 *4060	1510 3330	*1280 *2820	900 1980	*920 *2030	640 1410					*830 *1830	600 1320	2.61 (8.6)

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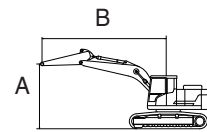
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





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Model	Type	Boom	Arm	Counterweight	Steel shoe	Wheel	Dozer		Outtriger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1300	130	300	-	Up	-	-	-

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



Load point height (A)		Load radius (B)														At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
																		m (ft)
3.5 m (11.5 ft)	kg lb															620 1370	490 1080	2.83 (9.3)
3.0 m (9.8 ft)	kg lb									570 1260	450 990					470 1040	370 820	3.34 (11.0)
2.5 m (8.2 ft)	kg lb									560 1230	450 990	430 950	340 750			400 880	310 680	3.67 (12.1)
2.0 m (6.6 ft)	kg lb									550 1210	440 970	430 950	340 750			360 790	280 620	3.89 (12.8)
1.5 m (4.9 ft)	kg lb					1060 2340	800 1760	720 1590	560 1230	540 1190	420 930	420 930	330 730	340 750	260 570	330 730	260 570	4.01 (13.2)
1.0 m (3.3 ft)	kg lb							690 1520	530 1170	520 1150	410 900	410 900	320 710	330 730	260 570	320 710	250 550	4.06 (13.3)
0.5 m (1.6 ft)	kg lb					950 2090	700 1540	670 1480	510 1120	510 1120	390 860	400 880	310 680	330 730	250 550	320 710	250 550	4.02 (13.2)
0.0 m (0.0 ft)	kg lb					930 2050	690 1520	650 1430	500 1100	490 1080	380 840	390 860	310 680			340 750	260 570	3.90 (12.8)
-0.5 m (-1.6 ft)	kg lb	*1020 *2250	*1020 *2250	*1260 *2780	1140 2510	930 2050	690 1520	650 1430	490 1080	490 1080	380 840	390 860	300 660			360 790	280 620	3.70 (12.1)
-1.0 m (-3.3 ft)	kg lb	*1480 *3260	*1480 *3260	1650 3640	1150 2540	940 2070	690 1520	650 1430	490 1080	490 1080	380 840					420 930	320 710	3.37 (11.1)
-1.5 m (-4.9 ft)	kg lb	*2070 *4560	*2070 *4560	1680 3700	1170 2580	950 2090	710 1570	660 1460	500 1100							530 1170	410 900	2.88 (9.5)
-2.0 m (-6.6 ft)	kg lb					*770 *1700	740 1630									*740 *1630	720 1590	2.04 (6.7)

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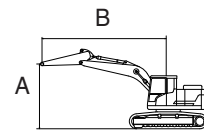
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





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Model	Type	Boom	Arm	Counterweight	Steel shoe	Wheel	Dozer		Outtriger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1300	130	300	-	Down	-	-	-

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 ·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)														At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
																		m (ft)
3.5 m (11.5 ft)	kg lb															*670 *1480	520 1150	2.83 (9.3)
3.0 m (9.8 ft)	kg lb									*600 *1320	480 1060					*600 *1320	400 880	3.34 (11.0)
2.5 m (8.2 ft)	kg lb									*610 *1340	480 1060	*640 *1410	370 820			*570 *1260	340 750	3.67 (12.1)
2.0 m (6.6 ft)	kg lb									*680 *1500	470 1040	*660 *1460	370 820			*560 *1230	300 660	3.89 (12.8)
1.5 m (4.9 ft)	kg lb					*1210 *2670	870 1920	*920 *2030	610 1340	*790 *1740	460 1010	*720 *1590	360 790	*600 *1320	290 640	*570 *1260	280 620	4.01 (13.2)
1.0 m (3.3 ft)	kg lb							*1160 *2560	580 1280	*920 *2030	440 970	*790 *1740	350 770	*710 *1570	280 620	*590 *1300	270 600	4.06 (13.3)
0.5 m (1.6 ft)	kg lb					*1350 *2980	770 1700	*1340 *2950	550 1210	*1020 *2250	430 950	*840 *1850	340 750	*700 *1540	280 620	*640 *1410	270 600	4.02 (13.2)
0.0 m (0.0 ft)	kg lb					*1570 *3460	760 1680	*1430 *3150	540 1190	*1080 *2380	420 930	*880 *1940	330 730			*710 *1570	280 620	3.90 (12.8)
-0.5 m (-1.6 ft)	kg lb	*1020 *2250	*1020 *2250	*1260 *2780	*1260 *2780	*2010 *4430	760 1680	*1420 *3130	540 1190	*1080 *2380	410 900	*860 *1900	330 730			*780 *1720	310 680	3.70 (12.1)
-1.0 m (-3.3 ft)	kg lb	*1480 *3260	*1480 *3260	*1860 *4100	1280 2820	*1820 *4010	760 1680	*1320 *2910	540 1190	*1000 *2200	410 900					*800 *1760	350 770	3.37 (11.1)
-1.5 m (-4.9 ft)	kg lb	*2070 *4560	*2070 *4560	*2210 *4870	1300 2870	*1480 *3260	780 1720	*1070 *2360	550 1210							*810 *1790	450 990	2.88 (9.5)
-2.0 m (-6.6 ft)	kg lb					*770 *1700	*770 *1700									*740 *1630	*740 *1630	2.04 (6.7)

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.

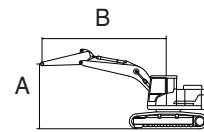
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

















※ Please be aware of the local regulations and instructions for lifting operations.

▲ 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	Steel shoe	Wheel	Dozer		Outrigger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1300	270	300	-	Up	-	-	-

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



Load point height (A)		Load radius (B)														At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
																		m (ft)
3.5 m (11.5 ft)	kg lb															*670 *1480	560 1230	2.83 (9.3)
3.0 m (9.8 ft)	kg lb									*600 *1320	510 1120					530 1170	430 950	3.34 (11.0)
2.5 m (8.2 ft)	kg lb									*610 *1340	510 1120	490 1080	400 880			450 990	360 790	3.67 (12.1)
2.0 m (6.6 ft)	kg lb									630 1390	500 1100	490 1080	390 860			410 900	330 730	3.89 (12.8)
1.5 m (4.9 ft)	kg lb					1190 2620	920 2030	820 1810	640 1410	610 1340	490 1080	480 1060	380 840	390 860	310 680	390 860	310 680	4.01 (13.2)
1.0 m (3.3 ft)	kg lb							790 1740	620 1370	600 1320	470 1040	470 1040	370 820	380 840	300 660	370 820	300 660	4.06 (13.3)
0.5 m (1.6 ft)	kg lb					1090 2400	820 1810	760 1680	590 1300	580 1280	460 1010	460 1010	370 820	380 840	300 660	380 840	300 660	4.02 (13.2)
0.0 m (0.0 ft)	kg lb					1070 2360	800 1760	750 1650	580 1280	570 1260	450 990	460 1010	360 790			390 860	310 680	3.90 (12.8)
-0.5 m (-1.6 ft)	kg lb	*1020 *2250	*1020 *2250	*1260 *2780	*1260 *2780	1070 2360	800 1760	740 1630	570 1260	560 1230	440 970	450 990	360 790			420 930	330 730	3.70 (12.1)
-1.0 m (-3.3 ft)	kg lb	*1480 *3260	*1480 *3260	*1860 *4100	1330 2930	1070 2360	810 1790	740 1630	570 1260	570 1260	440 970					480 1060	380 840	3.37 (11.1)
-1.5 m (-4.9 ft)	kg lb	*2070 *4560	*2070 *4560	1910 4210	1350 2980	1090 2400	820 1810	750 1650	580 1280							610 1340	480 1060	2.88 (9.5)
-2.0 m (-6.6 ft)	kg lb					*770 *1700	*770 *1700									*740 *1630	*740 *1630	2.04 (6.7)

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

※ Lifting capacities are based upon a standard machine conditions.

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



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

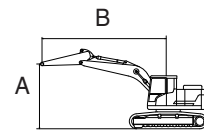
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

















※ Please be aware of the local regulations and instructions for lifting operations.

▲ 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	Steel shoe	Wheel	Dozer		Outtriger	
HX27AZ	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1300	270	300	-	Down	-	-	-

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



Load point height (A)		Load radius (B)														At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
																		m (ft)
3.5 m (11.5 ft)	kg lb															*670 *1480	600 1320	2.83 (9.3)
3.0 m (9.8 ft)	kg lb									*600 *1320	550 1210					*600 *1320	460 1010	3.34 (11.0)
2.5 m (8.2 ft)	kg lb									*610 *1340	550 1210	*640 *1410	420 930			*570 *1260	390 860	3.67 (12.1)
2.0 m (6.6 ft)	kg lb									*680 *1500	540 1190	*660 *1460	420 930			*560 *1230	350 770	3.89 (12.8)
1.5 m (4.9 ft)	kg lb					*1210 *2670	990 2180	*920 *2030	690 1520	*790 *1740	520 1150	*720 *1590	410 900	*600 *1320	330 730	*570 *1260	330 730	4.01 (13.2)
1.0 m (3.3 ft)	kg lb							*1160 *2560	660 1460	*920 *2030	510 1120	*790 *1740	400 880	*710 *1570	330 730	*590 *1300	320 710	4.06 (13.3)
0.5 m (1.6 ft)	kg lb					*1350 *2980	890 1960	*1340 *2950	640 1410	*1020 *2250	490 1080	*840 *1850	390 860	*700 *1540	320 710	*640 *1410	320 710	4.02 (13.2)
0.0 m (0.0 ft)	kg lb					*1570 *3460	880 1940	*1430 *3150	630 1390	*1080 *2380	480 1060	*880 *1940	390 860			*710 *1570	330 730	3.90 (12.8)
-0.5 m (-1.6 ft)	kg lb	*1020 *2250	*1020 *2250	*1260 *2780	*1260 *2780	*2010 *4430	880 1940	*1420 *3130	620 1370	*1080 *2380	480 1060	*860 *1900	390 860			*780 *1720	360 790	3.70 (12.1)
-1.0 m (-3.3 ft)	kg lb	*1480 *3260	*1480 *3260	*1860 *4100	1470 3240	*1820 *4010	880 1940	*1320 *2910	620 1370	*1000 *2200	480 1060					*800 *1760	410 900	3.37 (11.1)
-1.5 m (-4.9 ft)	kg lb	*2070 *4560	*2070 *4560	*2210 *4870	1490 3280	*1480 *3260	890 1960	*1070 *2360	630 1390							*810 *1790	520 1150	2.88 (9.5)
-2.0 m (-6.6 ft)	kg lb					*770 *1700	*770 *1700									*740 *1630	*740 *1630	2.04 (6.7)

- 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.

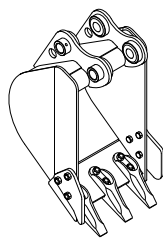
The difference between the weight of a work tool attachment must be subtracted.

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

※ Please be aware of the local regulations and instructions for lifting operations.

▲ 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



0.04 m³ SAE
heaped bucket

Capacity		Width		Weight	Recommendation	
					2.03 m (6' 8") boom	
SAE heaped	CECE heaped	Without side cutter	With side cutter		1.12 m (3' 8") arm	1.30 m (4' 3") arm
0.07 m ³ (0.10 yd ³)	0.06 m ³ (0.08 yd ³)	432 mm (17.0")	474 mm (18.7")	55 kg (120 lb)	●	●

● Applicable for materials with density of 2100 kg/m³ (3500 lb/yd³) or less

※ 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.

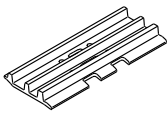

Consult with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom-arm-bucket combination.

7. UNDERCARRIAGE

1) TRACKS

X-leg type center frame is integrally welded with reinforced box-section track frames. The design includes dry tracks, lubricated rollers, idlers, sprockets, hydraulic track adjusters with shock absorbing springs and assembled track-type tractor shoes with triple grousers.

2) TYPES OF SHOES

Model	Shapes		Steel track	Rubber track	
					
HX27AZ	Shoe width	mm (in)	300 (12")	250 (10")	300 (10")
	Operating weight (canopy / cabin)	kg (lb)	2860 (6310)	2710 (5970)	2770 (6110)
	Ground pressure	kgf/cm ² (psi)	0.28 (4.00)	0.32 (4.54)	0.32 (4.55)
	Overall width	mm (ft-in)	1550 (5' 1")	1500 (4' 11")	1550 (5' 1")

3) 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
HX27AZ	T/chain-rubber for rail interlocking (250 mm)	Standard	B
	T/chain-rubber for rail interlocking (300 mm)	Option	B
	T/chain-triple for mini (300 mm)	Option	A

Table 2

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

8. SPECIFICATIONS FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Model	KUBOTA D1305-E4B
Type	4-cycle vertical, IDI diesel fuel
Cooling method	Water cooling
Number of cylinders and arrangement	3 cylinders, in-line
Firing order	1-2-3
Combustion chamber type	Direct injection
Cylinder bore × stroke	78 × 88 mm (3.07" × 3.46")
Piston displacement	1261 cc (77 cu in)
Compression ratio	24 : 1
Gross power	18.5 hp (24.8 kW)
Net power	18.2 hp (24.4 kW)
Max. power	18.5 hp (24.8 kW)
Peak torque at 1900 rpm	8.3 kgf · m (60 lbf · ft)
Engine oil quantity	5.7 ℓ (2.3 U.S. gal)
Dry weight	95 kg (209 lb)
Starting motor	12V-1.4 kW
Alternator	12V-40 A

2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Maximum pressure	220 kgf/cm ² (3130 psi)
Capacity	2 × 12 cc/rev
Rated oil flow	2 × 28.2 ℓ/min (7.4 U.S. gpm / 6.2 U.K. gpm)
Rated speed	2350 rpm

3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	8.5/4.5 cc/rev
Maximum pressure	175/30 kgf/cm ² (2489/427 psi)
Rated oil flow	20/10.5 ℓ /min (5.3/2.8 U.S. gpm, 4.4/2.3 U.K. gpm)

4) MAIN CONTROL VALVE

Item	Specification
Type	Sectional, 10 spools
Operating method	Hydraulic pilot system
Main relief valve pressure	220 kgf/cm ² (3130 psi)
Overload relief valve pressure	240 kgf/cm ² (3414 psi)
2way (breaker piping) flow rate	48 ℓ /min (12.7 U.S. gpm / 10.6 U.K. gpm)

5) SWING MOTOR

Item	Specification
Type	Fixed displacement axial piston motor
Capacity	12.5 cc/rev
Relief pressure	170 kgf/cm ² (2420 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	7 kgf·m (50.6 lbf·ft)
Brake release pressure	25~50 kgf/cm ² (356~711 psi)
Reduction gear type	2 - stage planetary

6) TRAVEL MOTOR

Item	Specification
Type	Two fixed displacement axial piston motor
Capacity	20.7/10.9 cc/rev
Relief pressure	-
Braking torque	5.7 kgf·m (41.2 lbf·ft)
Brake release pressure	19 kgf/cm ² (270 psi)
Reduction gear type	2-stage planetary

7) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	Ø45 × Ø75 × 569 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Rod dia × Stroke	Ø45 × Ø70 × 486 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Rod dia × Stroke	Ø35 × Ø60 × 431 mm
	Cushion	-
Boom swing cylinder	Bore dia × Rod dia × Stroke	Ø75 × Ø40 × 380 mm
	Cushion	-
Dozer cylinder	Bore dia × Rod dia × Stroke	Ø95 × Ø50 × 125 mm
	Cushion	-
Dozer cylinder-DPC	Bore dia × Rod dia × Stroke	Ø95 × Ø50 × 125 mm
	Cushion	-

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

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

9. RECOMMENDED OILS

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

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

Service point	Kind of fluid	Capacity ℓ (U.S. gal)	Ambient temperature °C (°F)							
			-50 (-58)	-30 (-22)	-20 (-4)	-10 (14)	0 (32)	10 (50)	20 (68)	30 (86)
Engine oil pan	Engine oil	5.7 (1.5)	★0W-40							
			SAE 5W-30							
			SAE 5W-40							
			SAE 15W-40							
Final drive	Gear oil	0.6×2 (0.16×2)	★SAE 75W-90							
			SAE 80W-90							
Hydraulic tank	Hydraulic oil	Tank: 27 (7.1) System:	★ISO VG 15							
			ISO VG 32							
			ISO VG 46, HBHO VG 46 ★3							
			ISO VG 68							
Fuel tank	Diesel fuel★ ¹	30 (7.9)	★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	6.8 (1.8)	Ethylene glycol base permanent type (50 : 50)							
			★Ethylene glycol base permanent type (60 : 40)							

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

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

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

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

★ : Cold region

Russia, CIS, Mongolia

★¹ : Ultra low sulfur diesel

- sulfur content ≤ 10 ppm

★² : Soft water

City water or distilled water

★³ : HD Hyundai Construction

Equipment Bio Hydraulic Oil