STANDARD EQUIPMENT

- ISO Standard cabin
  - All-weather steel cab with 360° visibility
  - Safety glass windows
  - Rise-up type windshield wiper
  - Sliding side window(LH)
  - Lockable door
  - Hot & cool box
  - Storage compartment & Ashtray
  - Transparent cabin roof-cover
  - Radio / USB Player
  - 12 volt power outlet (24V DC to 12V DC converter)
  - Handsfree mobile phone system with USB
  - Sun visor
- Computer aided power optimization (New CAPO) system
  - 3-power mode, 2-work mode, User mode
  - Auto deceleration & one-touch deceleration system
  - Auto warm-up system
  - Auto overheat prevention system
- Automatic climate control
  - Air conditioner & heater
  - Defroster
- Self-diagnostics system
- Starting Aid (air grid heater) for cold weather
- Centralized monitoring
  - LCD display
  - Engine speed or Trip meter/Accel.
  - Clock
  - Gauges
  - Fuel level gauge
  - Engine coolant temperature gauge
  - Hyd. oil temperature gauge
  - Warnings
  - Check Engine
  - Overload
  - Communication error
  - Low battery
  - Air cleaner clogging
  - Indicators
  - Max power
  - Low speed/High speed
  - Fuel warmer
  - Auto idle
- Door and cab locks, one key
- Three outside rearview mirrors
- Fully adjustable suspension seat with seat belt
- Pilot-operated slidable joystick
- Console box height adjust system
- Four front working lights
- Electric horn
- Batteries (2 x 12V x 160 AH)
- Battery master switch
- Removable clean-out dust net for oil cooler
- Automatic swing brake
- Removable reservoir tank
- Fuel pre-filter with fuel warmer
- Boom holding system
- Arm holding system
- Track shoes (600mm, 24")
- Track rail guard
- Accumulator for lowering work equipment
- Electric transducer
- Lower frame under cover (Normal)

OPTIONAL EQUIPMENT

- Fuel filler pump (50 L/min)
- Beacon lamp
- Safety lock valve for boom cylinder with overload warning device
- Safety lock valve for arm cylinder
- Single-acting piping kit (breaker, etc.)
- Double-acting piping kit (clamshell, etc.)
- Quick coupler
- Travel alarm
- Booms
  - 6.15 m, 20′ 2″
  - 6.45 m, 21′ 2″
  - 6.45 m, 21′ 2″ Heavy Duty
- Arms
  - 2.2 m, 7′ 3″
  - 2.5 m, 8′ 2″
  - 3.2 m, 10′ 6″
  - 3.2 m, 10′ 6″ Heavy Duty
  - 4.05 m, 13′ 3″
- Climate control
  - Air conditioner only
  - Heater only
- Cabin FOPS (ISO 10262 Level II)
  - FOPS (Falling Object Protective Structure)
- Cabin ROPS (ISO 12117-2)
  - ROPS (Roll Over Protective Structure)
- Cabin roof-steel cover
- Cabin lights
- Cabin front window rain guard
- Track shoes
  - Triple grousers shoe (700 mm, 28″)
  - Triple grousers shoe (800 mm, 32″)
  - Triple grousers shoe (900 mm, 36″)
  - Double grousers shoe (700 mm, 28″)
  - Full track rail guard
- Lower frame under cover (Additional)
- Tool kit
- Operator suit
- Rearview camera
- Seat
  - Adjustable air suspension seat
  - Adjustable air suspension seat with heater
  - Mechanical suspension seat
- Pattern change valve (2 patterns)
- Hi-mate (Remote Management System)

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.
* The photos may include attachments and optional equipment that are not available in your area.
* Materials and specifications are subject to change without advance notice.
* All imperial measurements rounded off to the nearest pound or inch.

PLEASE CONTACT

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CONSTRUCTION EQUIPMENT

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www.hyundai-ce.com 2019. 12 Rev.7

MOVING YOU FURTHER

Robex 320LC-9

With Tier 3 Engine installed

*Photo may include optional equipment.

HYUNDAI
CONSTRUCTION EQUIPMENT

Pride at Work

Hyundai Heavy Industries strives to build state-of-the art earthmoving equipment to give every operator maximum performance, more precision, versatile machine preferences, and proven quality. Take pride in your work with Hyundai!

*Photo may include optional equipment.

Robex 320LC-9

Machine Walk-Around

Engine Technology

Proven / reliable, fuel efficient Cummins Tier III QSC engine
Electronically controlled for optimum fuel to air ratio and clean, efficient combustion
Low noise / Auto engine overheat feature / Anti-restart feature

Hydraulic System Improvements

New patented hydraulic control for improved controllability / Improved control valve design for added efficiency and smoother operation / New auto boom and swing priority system for optimum speed / New auto power boost feature for additional power when needed / Improved arm-in and boom-down flow regeneration system for added speed and efficiency

Pump Compartment

Industry-leading, powerful, reliable Kawasaki designed, variable volume in-line axial piston pumps
New compact solenoid block equipped with 4 solenoid valves, 1 EPPR valve, 1 check valve accumulator and pilot filter - controls 2 speed travel, power boost, boom priority, safety lock

Enhanced Operator Cab

Improved Visibility
Enlarged cab with improved visibility / See-through upper skylight for visibility and ventilation
Larger right-side glass, now one piece, for better right visibility
Safety glass windows on all sides - less expensive than (polycarbonate) and won't scratch or fade
Closeable sunshade for operator convenience / Reduced front window seam for improved operator view

Improved Cab Construction
New steel tube construction for added operator safety, protection and durability
New window open/close mechanism designed with cable and spring lift assist and single latch release

Improved Suspension Seat / Console Assembly
Ergonomic joysticks with auxiliary control buttons for attachment use. Now with new sleek styling
Heated suspension (standard) or optional air ride suspension with heat
New joystick consoles - now adjustable in height by way of dial at bottom
Adjustable arm rests - turn dial to raise or lower for optimum comfort

Advanced 7" Color Cluster
New Color LCD Display with easy to read digital gauges for hydraulic oil temperature, water temperature, and fuel. Simplified design makes adjustment and diagnostics easier. Also, new enhanced features such as rear-view camera are integrated into monitor.
3 power modes : (P) Power, (S) Standard, (E) Economy, 2 work modes : Dig & Attachment, (U) User mode for operator preference
Enhanced self-diagnostic features with GPS download capability
One pump flow or two pump flow for optional attachment is now selectable through the cluster / New anti-theft system with password capability
Boom speed and arm regeneration are selectable through the monitor.
Auto power boost is now available - selectable (on/off) through the monitor.
Powerful air conditioning and heat with auto climate control, 20% more heat and air output than 7A series!
RMS (Remote Management System) works through GPS/satellite technology to ultimately provide better customer service and support.

Undercarriage

Sealed track chain (urethane seals) / Standard track rail guard / Comfortable bolt-on steps
Large upper roller cut-outs for debris clean-out / Tapered side frames for debris clean-out / Grease-type track tensioner

Preference

Operating a 9 series is unique to every operator. Operators can fully customize their work environment and operating preferences to fit their individual needs.

*Photo may include optional equipment.

Wide Cabin with Excellent Visibility

The newly designed cabin was conceived for more space, a wider field of view and operator comfort. Special attention was given to a clear, open and convenient interior with plenty of visibility on the machine surroundings and the job at hand. This well balanced combination of precision aspects put the operator in the perfect position to work safely and securely.

Operator Comfort

In 9 series cabin you can easily adjust the seat, console and armrest settings to best suit your preferred comfort level. Seat and console position and height can be set together and independent from each other. Other preference settings that add to overall operator comfort include the full automatic high capacity airconditioning system and the Radio / USB player.

Reduced Stress

Work is stressful enough. Your work environment should be stress free. Hyundai's 9 series provides improved cab amenities, additional space and a comfortable seat to minimize stress to the operator. A powerful climate control system provides the operator with optimum air temperature. An advanced audio system with USB player, AM/FM stereo, plus remotely located controls is perfect for listening to music favorites.
Operators can even talk on the phone with the hands-free cell phone feature.

Operator - Friendly Cluster

The advanced new cluster with 7 inch wide color LCD screen and toggle switch allows the operator to select his personal machine preferences. Power and work mode selection, self diagnostics, optional rear-view camera, maintenance check lists, start-up machine security, and video functions were integrated into the cluster to make the machine more versatile and the operator more productive.

Precision

Innovative hydraulic system technologies make the 9 series excavator fast, smooth and easy to control.

*Photo may include optional equipment.

Computer Aided Power

The engine horsepower and hydraulic horsepower together in unison through the advanced CAPO(Computer Aided Power Optimization) system, flow for the job at hand. Operator can set their own preferences for boom or swing priority, power mode selection and optional work tools at the touch of a button.
The CAPO system also provides complete self diagnostic features and digital gauges for important information like hydraulic oil temperature, water temperatures and fuel level. This system interfaces with multiple sensors placed throughout the hydraulic system as well as the electronically controlled engine to provide the optimum level of engine power and hydraulic flow.

Power Mode

P (Power Max) mode maximizes machine speed and power for mass production.
S (Standard) mode provides a reduced, fixed rpm for optimum performance and improved fuel economy. For maximum fuel savings and improved control, E (Economy) mode provides precise flow and engine power based on load demand. Three unique power modes provide the operator with custom power, speed and fuel economy.

Work Mode

The work mode allows the operator to select single flow attachments like a hydraulic breaker or bi-directional flow attachments like a crusher. Flow settings unique to each attachment can be programmed from within the cluster.

User Mode

Some jobs require more precise machine settings. Using the versatile U (User) mode, the operator can customize engine speed, pump output, idle speed and other machine settings for the job at hand.

Improved Hydraulic System

To achieve optimum precision, Hyundai redesigned the hydraulic system to provide the operator with super fine touch and improved controllability. Improved pump flow control reduces flow when controls are not being used to minimize fuel consumption.
Improved spool valves in the control valve are engineered to provide more precise flow to each function with less effort.
Improved hydraulic valves, precision-designed variable volume piston pumps, fine-touch pilot controls, and enhanced travel functions make any operator running a 9 series look like a smooth operator. Newly improved features include arm-in and boom-down flow regeneration, improved control valve technology and innovative auto boom and swing priority for optimal performance in any application.

Auto Boom-swing Priority

This smart function automatically and continuously looks the ideal hydraulic flow balance for the boom and swing motions of the machine. The advanced CAPO system monitors the hydraulic system and adjusts its settings to maximize performance and productivity.

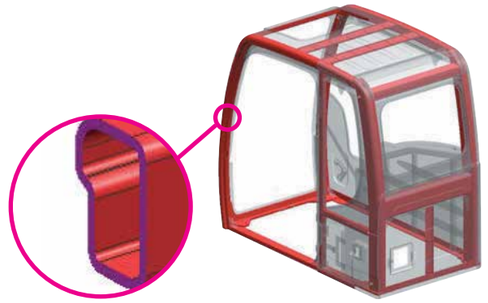
Performance

9 series is designed for maximum performance to keep the operator working productively.

*Photo may include optional equipment.

Track Rail Guard & Adjusters

Durable track rail guards keep track links in place. Track adjustment is made easy with standard grease cylinder track adjusters and shock absorbing springs.



Structure Strength

The 9 series cabin structure has been fitted with stronger but slimmer tubing for more safety and improved visibility. Low-stress, high strength steel is integrally welded to form a stronger, more durable upper and lower frame. Structural integrity was tested by way of FEM (Finite Elements Method) analysis and long-term durability tests.

CUMMINS QSC Engine

The Tier III compliant, six cylinder, turbo-charged, 4 cycle, water cooled, Cummins QSC diesel engine is built for power, reliability, efficiency and reduced emissions.

Heavy-duty strength

The QSC from Cummins. With advanced electronics. Higher torque. Better throttle response. Shorter service times. Longer maintenance intervals. Increased fuel economy. Decreased noise. Diagnostics. Prognostics. Engine protection, and more. All wrapped up in something we call the Quantum system.

The QSC is built to withstand the toughest work environment. Bearings have more surface area to handle higher loads with greater durability. The exhaust manifold allows for heat expansion and contraction, eliminating metal stress fractures. Reduced friction in the power cylinder means longer life and increased power output. From the structurally reinforced block to the stiffened gear housing, the QSC is built stronger to last longer.

Profitability

9 series is designed to maximize profitability through improved efficiencies, enhanced service features and longer life components.

*Photo may include optional equipment.

Hi-MATE (Remote Management System)

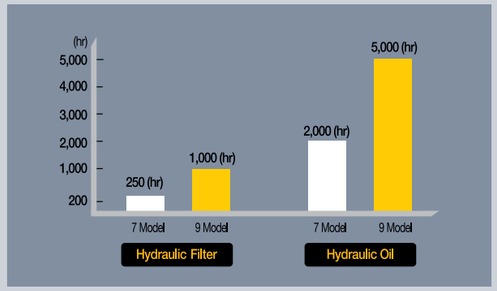
Hi-MATE, Hyundai's proprietary remote management system, provides operators and dealer service personnel access to vital service and diagnostic information on the machine from any computer with internet access. Users can pinpoint machine location using digital mapping and set machine work boundaries, reducing the need for multiple service calls. Hi-MATE saves time and money for the owner and dealer by promoting preventative maintenance and reducing machine downtime.

Fuel Efficient

9 series excavators are engineered to be extremely fuel efficient. New innovations like the variable speed & remote fan, three-stage auto decel system and the new economy mode help to conserve fuel and reduce the impact on the environment.

Easy Access

Ground-line access to filters, lube fittings, fuses, machine computer components and wide open compartments makes service more convenient on the 9 series.



Extended Life Components

9 series excavators were designed with bushings designed for extended lube intervals (250 hrs) & polymer shims (wear resistant, noise reducing), extended-life hydraulic filters (1,000hrs), long-life hydraulic oil (5,000hrs), more efficient cooling systems and integrated preheating systems which extend service intervals, minimize operating costs and reduce machine down time.

Specifications

ENGINE

MODEL			Cummins QSC
Type			Water-cooled, 4-cycle Diesel, 6-Cylinder in-line, Direct injection, Turbocharged, Charge air cooled, Low emission
Rated flywheel horsepower	SAE	J1995 (gross)	278HP (207kW)/ 1,750rpm
		J1349 (net)	263HP (196kW)/ 1,750rpm
	DIN	6271/1 (gross)	282PS (207kW)/ 1,750rpm
		6271/1 (net)	267PS (196kW)/ 1,750rpm
Max. torque			123.7kgf·m (895lbf·ft)/1,500rpm
Bore X stroke			114mm X 135mm (4.5" X 5.3")
Piston displacement			8,300cc (506 in^3)
Batteries			2 X 12V X 160AH
Starting motor			24V, 7.5kW
Alternator			24V, 70Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem-axis piston pumps
Max. flow	2 X 270 L /min (68.7 US gpm/57.2 UK gpm)
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system

HYDRAULIC MOTORS	
Travel	Two-speed axial pistons motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake

RELIEF VALVE SETTING	
Implement circuits	350 kgf/cm^2 (4,690 psi)
Travel	350 kgf/cm^2 (4,690 psi)
Power boost (boom, arm, bucket)	380 kgf/cm^2 (5,120 psi)
Swing circuit	300 kgf/cm^2 (3,770 psi)
Pilot circuit	40 kgf/cm^2 (500 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom: 2-150 X1,480 mm (5.9" X 58.3")
	Arm: 1-160 X 1,685 mm (6.3" X 66.3")
	Bucket: 1-140 X 1,285 mm (5.5" X 50.6")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	29,500 kgf (65,040lbf)
Max. travel speed (high / low)	5.5 km/hr (3.4 mph) / 3.3 km/hr (2.1 mph)
Gradeability	35° (70 %)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket (ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type
Lights	Two lights mounted on the boom, one light mounted on the battery box

SWING SYSTEM

Swing motor	Fixed displacement axial pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.2 rpm

COOLANT & LUBRICANT CAPACITY

	liter	US gal	UK gal
Re-filling			
Fuel tank	500	132.1	110.0
Engine coolant	45.0	11.9	9.9
Engine oil	35	9.2	7.7
Swing device - gear oil	6	1.6	1.3
Final drive (each) - gear oil	8	2.1	1.8
Hydraulic system (including tank)	330	87.2	72.6
Hydraulic tank	190	50.2	41.8

UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.

Center frame	X-leg type
Track frame	Pentagonal box type
No. of shoes on each side	48
No. of carrier rollers on each side	2
No. of track rollers on each side	9
No. of rail guards on each side	2

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 6,450mm (21' 2") boom, 3,200mm (10' 6") arm, SAE heaped 1.44m^3 (1.88 yd^3) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	7,920kg (17,460lb)
Boom (with arm cylinder)	3,030kg (6,680lb)
Arm (with bucket cylinder)	1,770kg (3,900lb)

OPERATING WEIGHT				
Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf/cm^2 (psi)
Triple grouser	600 mm (24")	R320LC-9	33,000 (72,750)	0.63 (8.96)
		R320NLC-9	32,800 (72,310)	0.63 (8.96)
		R320LC-9 H/W	35,500 (78,260)	0.68 (9.67)
	700 mm (28")	R320LC-9	33,600 (74,080)	0.55 (7.82)
		R320LC-9 H/W	36,100 (79,590)	0.59 (8.39)
	800 mm (32")	R320LC-9	34,000 (74,960)	0.49 (6.97)
		R320LC-9 H/W	36,500 (80,470)	0.53 (7.54)
	900 mm (36")	R320LC-9	34,400 (75,840)	0.44 (6.26)
Double grouser	700 mm (28")	R320LC-9 H/W	37,000 (81,570)	0.61 (8.67)

AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430)
The system hold 0.8kg refrigerant consisting of a CO_2 equivalent 1.14kg metric tonne.
For more information, Please refer to the manual.

BUCKETS

All buckets are welded with high-strength steel.

SAE heaped m^3 (yd^3)	0.90 (1.18)	1.14 (1.49)	1.44 (1.88)	1.74 (2.28) 2.10 (2.75)	▣1.44 (1.88)	⦿ 1.44 (1.88) ⦿ 1.73 (2.26)

Capacity m^3 (yd^3)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft-in)				
					6,450 (21' 2") Boom				6,150 (20' 2") Boom
SAE heaped	CECE heaped	Without sidecutters	With sidecutters		2,200 (7' 3") Arm	2,500 (8' 2") Arm	3,200 (10' 6") Arm	4,050 (13' 3") Arm	2,200 (7' 3") Arm
0.90 (1.18)	0.80 (1.05)	950 (37.4)	1,070 (42.1)	870 (1920)	●	●	●	●	●
1.14 (1.49)	1.00 (1.31)	1,110 (43.7)	1,230 (48.4)	980 (2160)	●	●	●	●	●
1.44 (1.88)	1.25 (1.63)	1,380 (54.3)	1,500 (59.1)	1,110 (2450)	●	●	●	■	●
1.74 (2.28)	1.50 (1.96)	1,620 (63.8)	1,740 (68.5)	1,230 (2710)	●	●	■	▲	●
2.10 (2.75)	1.80 (2.35)	1,910 (75.2)	2,030 (79.9)	1,370 (3020)	■	■	▲	-	■
▣ 1.44 (1.88)	1.25 (1.63)	1,470 (57.9)	-	1,380 (3040)	●	●	■	▲	●
⦿ 1.44 (1.88)	1.25 (1.63)	1,470 (57.9)	-	1,470 (3240)	●	●	■	▲	●
⦿ 1.73 (2.26)	1.50 (1.96)	1,710 (67.3)	-	1,610 (3550)	■	■	▲	-	●

▣Heavy duty bucket
⦿Rock-Heavy duty bucket

●: Applicable for materials with density of 2,000 kg /m^3 (3,370 lb/ yd^3) or less
■: Applicable for materials with density of 1,600 kg /m^3 (2,700 lb/ yd^3) or less
▲: Applicable for materials with density of 1,100 kg /m^3 (1,850 lb/ yd^3) or less

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design. 6.45m & 6.15m Booms and 2.2m, 2.5m, 3.2m, & 4.05m Arms are available.

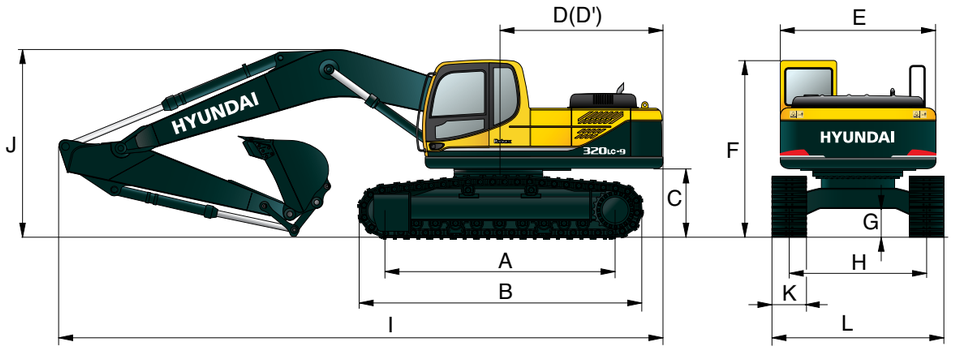
DIGGING FORCE

Boom	Length	mm (ft-in)	6,450 (21' 2")				Remarks
	Weight	kg (lb)	3,030 (6,680)				
Arm	Length	mm (ft-in)	2,200 (7' 3")	2,500 (8' 2")	3,200 (10' 6")	4,050 (13' 3")	
	Weight	kg (lb)	1,560 (3,440)	1,650 (3,640)	1,770 (3,900)	1,870 (4,120)	
Bucket digging force	SAE	kN	189.3 [205.5]	189.3 [205.5]	189.3 [205.5]	189.3 [205.5]	[ ]: Power Boost
		kgf	19,300 [20,950]	19,300 [20,950]	19,300 [20,950]	19,300 [20,950]	
		lbf	42,550 [46,200]	42,550 [46,200]	42,550 [46,200]	42,550 [46,200]	
	ISO	kN	211.8 [230.0]	211.8 [230.0]	211.8 [230.0]	211.8 [230.0]	
		kgf	21,600 [23,450]	21,600 [23,450]	21,600 [23,450]	21,600 [23,450]	
		lbf	47,620 [51,700]	47,620 [51,700]	47,620 [51,700]	47,620 [51,700]	
Arm crowd force	SAE	kN	196.6 [213.4]	178.9 [194.2]	143.2 [155.5]	119.6 [129.9]	
		kgf	20,000 [21,760]	18,200 [19,810]	14,600 [15,850]	12,200 [13,240]	
		lbf	44,190 [47,980]	40,220 [43,670]	32,190 [34,950]	26,890 [29,190]	
	ISO	kN	202.8 [220.2]	185.1 [201.0]	147.1 [159.7]	122.7 [133.3]	
		kgf	20,700 [22,450]	18,900 [20,500]	15,000 [16,290]	12,515 [13,590]	
		lbf	45,600 [49,510]	41,620 [45,190]	33,070 [35,900]	27,590 [29,950]	

Note: Boom weight includes arm cylinder, piping, and pin
Arm weight includes bucket cylinder, linkage, and pin

Dimensions & Working Range

R320LC-9 / R320NLC-9 DIMENSIONS



Unit : mm (ft · in)

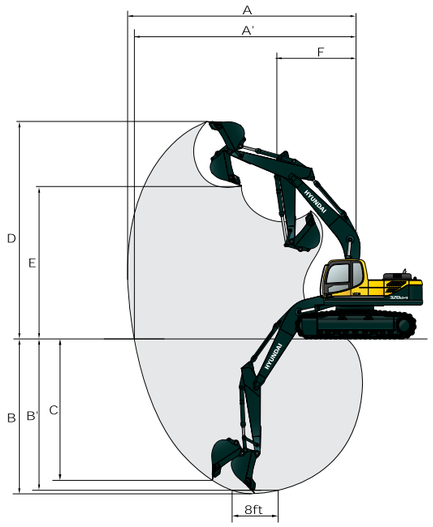
A	Tumbler distance	R320LC-9	4,030 (13′ 3″)
		R320NLC-9	4,030 (13′ 3″)
B	Overall length of crawler		4,940 (16′ 2″)
C	Ground clearance of counterweight		1,200 (3′ 11″)
D	Tail swing radius		3,330 (10′ 11″)
D′	Rear-end length		3,265 (10′ 9″)
E	Overall width of upperstructure		2,980 (9′ 9″)
F	Overall height of cab		3,090 (10′ 2″)
G	Min. ground clearance		500 (1′ 8″)
H	Track gauge	R320LC-9	2,680 (8′ 10″)
		R320NLC-9	2,390 (7′ 10″)

	Boom length	6,450 (21′ 2″)				6,150 (20′ 2″)
	Arm length	2,200 (7′ 3″)	2,500 (8′ 2″)	3,200 (10′ 6″)	4,050 (13′ 3″)	2,200 (7′ 3″)
I	Overall length	11,230 (36′ 10″)	11,100 (36′ 5″)	10,980 (36′ 0″)	10,980 (36′ 0″)	10,930 (35′ 10″)
J	Overall height of boom	3,640 (11′ 11″)	3,670 (12′ 0″)	3,380 (11′ 1″)	3,860 (12′ 8″)	3,680 (12′ 1″)

K	Track shoe width	600 (24″)	700 (28″)	800 (32″)	900 (36″)
L	Overall width R320LC-9	3,280 (10′ 9″)	3,380 (11′ 1″)	3,480 (11′ 5″)	3,580 (11′ 9″)
	Overall width R320NLC-9	2,990 (9′ 10″)	-	-	-

R320LC-9 / R320NLC-9 WORKING RANGE

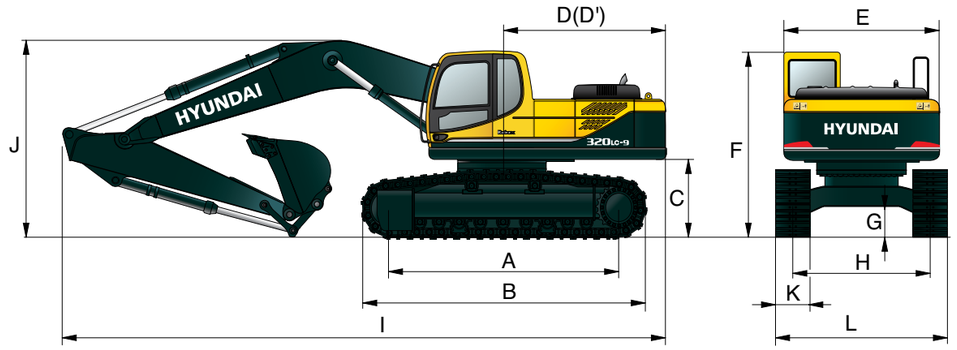
Unit : mm (ft · in)



	Boom length	6,450 (21′ 2″)				6,150 (20′ 2″)
	Arm length	2,200 (7′ 3″)	2,500 (8′ 2″)	3,200 (10′ 6″)	4,050 (13′ 3″)	2,200 (7′ 3″)
A	Max. digging reach	10,330 (33′ 11″)	10,550 (34′ 7″)	11,140 (36′ 7″)	11,950 (39′ 2″)	10,020 (32′ 10″)
A′	Max. digging reach on ground	10,110 (33′ 2″)	10,330 (33′ 11″)	10,940 (35′ 11″)	11,760 (38′ 7″)	9,800 (32′ 2″)
B	Max. digging depth	6,370 (20′ 11″)	6,670 (21′ 11″)	7,370 (24′ 2″)	8,220 (26′ 12″)	6,160 (20′ 3″)
B′	Max. digging depth (8′ level)	6,160 (20′ 3″)	6,470 (21′ 3″)	7,210 (23′ 8″)	8,080 (26′ 6″)	5,950 (19′ 6″)
C	Max. vertical wall digging depth	5,980 (19′ 7″)	5,920 (19′ 5″)	6,360 (20′ 10″)	7,260 (23′ 10″)	5,710 (18′ 9″)
D	Max. digging height	10,220 (33′ 6″)	10,170 (33′ 4″)	10,310 (33′ 10″)	10,710 (35′ 2″)	9,940 (32′ 7″)
E	Max. dumping height	7,050 (23′ 2″)	7,050 (23′ 2″)	7,240 (23′ 9″)	7,630 (25′ 0″)	6,780 (22′ 3″)
F	Min. swing radius	4,700 (15′ 5″)	4,500 (14′ 9″)	4,470 (14′ 8″)	4,470 (14′ 8″)	4,520 (14′ 10″)

Dimensions & Working Range

R320LC-9 HIGH WALKER DIMENSIONS



Unit : mm (ft · in)

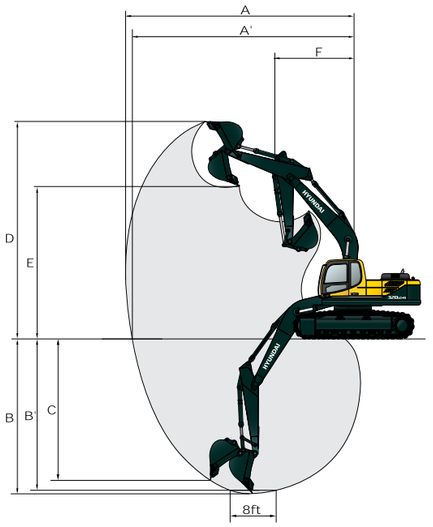
A	Tumbler distance	4,030 (13′ 3″)
B	Overall length of crawler	4,940 (16′ 2″)
C	Ground clearance of counterweight	1,500 (4′ 11″)
D	Tail swing radius	3,330 (10′ 11″)
D′	Rear-end length	3,265 (10′ 9″)
E	Overall width of upperstructure	2,980 (9′ 9″)
F	Overall height of cab	3,390 (11′ 1″)
G	Min. ground clearance	765 (2′ 6″)
H	Track gauge	2,870 (9′ 5″)

	Boom length	6,450 (21′ 2″)				6,150 (20′ 2″)
	Arm length	2,200 (7′ 3″)	2,500 (8′ 2″)	3,200 (10′ 6″)	4,050 (13′ 3″)	2,200 (7′ 3″)
I	Overall length	11,220 (36′ 10″)	11,100 (36′ 5″)	10,910 (35′ 10″)	11,000 (36′ 1″)	10,920 (35′ 10″)
J	Overall height of boom	3,740 (12′ 3″)	3,760 (12′ 4″)	3,360 (11′ 0″)	3,810 (12′ 6″)	3,780 (12′ 5″)

K	Track shoe width	Type	Triple grouser			Double grouser
		Width	600 (24″)	700 (28″)	800 (32″)	700 (28″)
L	Overall width		3,470 (11′ 5″)	3,570 (11′ 9″)	3,670 (12′ 0″)	3,580 (11′ 9″)

R320LC-9 HIGH WALKER WORKING RANGE

Unit : mm (ft · in)



	Boom length	6,450 (21′ 2″)				6,150 (20′ 2″)
	Arm length	2,200 (7′ 3″)	2,500 (8′ 2″)	3,200 (10′ 6″)	4,050 (13′ 3″)	2,200 (7′ 3″)
A	Max. digging reach	10,330 (33′ 11″)	10,550 (34′ 7″)	11,140 (36′ 7″)	11,950 (39′ 2″)	10,020 (32′ 10″)
A′	Max. digging reach on ground	10,040 (32′ 11″)	10,270 (33′ 8″)	10,880 (35′ 8″)	11,710 (38′ 5″)	9,730 (31′ 11″)
B	Max. digging depth	6,100 (20′ 0″)	6,400 (20′ 12″)	7,100 (23′ 4″)	7,950 (26′ 1″)	5,880 (19′ 3″)
B′	Max. digging depth (8′ level)	5,890 (19′ 4″)	6,200 (20′ 4″)	6,940 (22′ 9″)	7,950 (26′ 1″)	5,680 (18′ 8″)
C	Max. vertical wall digging depth	5,700 (18′ 8″)	5,650 (18′ 6″)	6,080 (19′ 11″)	6,980 (22′ 11″)	5,440 (17′ 10″)
D	Max. digging height	10,500 (34′ 5″)	10,450 (34′ 3″)	10,590 (34′ 9″)	10,990 (36′ 1″)	10,220 (33′ 6″)
E	Max. dumping height	7,330 (24′ 1″)	10,450 (34′ 3″)	7,520 (24′ 8″)	7,910 (25′ 11″)	7,060 (23′ 2″)
F	Min. swing radius	4,700 (15′ 5″)	4,500 (14′ 9″)	4,470 (14′ 8″)	4,470 (14′ 8″)	4,520 (14′ 10″)

Lifting Capacity

R320LC-9

Rating over-front Rating over-side or 360 degree

Boom : 6.45m (21′ 2″) / Arm : 2.5 m (8′ 2″) / Bucket : 1.44 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24″) triple grouser

Load point height m (ft)		Load radius										At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
														m (ft)
7.5 m	kg											*6720	5040	8.34
(25 ft)	lb											*14820	11110	(27.4)
6.0 m	kg							*7320	5980			6430	4100	9.19
(20 ft)	lb							*16140	13180			14180	9040	(30.2)
4.5 m	kg			*11600	*11600	*9120	8430	*7930	5770			5740	3600	9.70
(15 ft)	lb			*25570	*25570	*20110	18580	*17480	12720			12650	7940	(31.8)
3.0 m	kg			*15130	12220	*10770	7870	8690	5490			5420	3360	9.92
(10 ft)	lb			*33360	26940	*23740	17350	19160	12100			11950	7410	(32.5)
1.5 m	kg			*17590	11360	12060	7390	8400	5240	6240	3860	5380	3310	9.88
(5 ft)	lb			*38780	25040	26590	16290	18520	11550	13760	8510	11860	7300	(32.4)
Ground	kg			*18360	11070	11730	7110	8200	5060			5630	3470	9.57
Line	lb			*40480	24410	25860	15670	18080	11160			12410	7650	(31.4)
-1.5 m	kg	*15010	*15010	*18010	11060	11630	7010	8130	4990			6280	3890	8.97
(-5 ft)	lb	*33090	*33090	*39710	24380	25640	15450	17920	11000			13850	8580	(29.4)
-3.0 m	kg	*22800	*22800	*16720	11240	11710	7090					7670	4800	7.98
(-10 ft)	lb	*50270	*50270	*36860	24780	25820	15630					16910	10580	(26.2)
-4.5 m	kg	*19110	*19110	*14080	11620	*10340	7380					*7300	7080	6.42
(-15 ft)	lb	*42130	*42130	*31040	25620	*22800	16270					*16090	15610	(21.1)

Boom : 6.45m (21′ 2″) / Arm : 3.2 m (10′ 6″) / Bucket : 1.44 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24″) triple grouser

Load point height m (ft)		Load radius												At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg									*5240	*5240			*5970	4370	9.06
(25 ft)	lb									*11550	*11550			*13160	9630	(29.7)
6.0 m	kg									*6500	6100			5730	3620	9.84
(20 ft)	lb									*14330	13450			12630	7980	(32.3)
4.5 m	kg							*8090	*8090	*7190	5850	*5440	4150	5160	3200	10.31
(15 ft)	lb							*17840	*17840	*15850	12900	*11990	9150	11380	7050	(33.8)
3.0 m	kg					*13400	12620	*9820	7990	*8110	5530	6390	3990	4880	2990	10.52
(10 ft)	lb					*29540	27820	*21650	17610	*17880	12190	14090	8800	10760	6590	(34.5)
1.5 m	kg					*16400	11540	*11460	7430	8400	5220	6210	3830	4830	2930	10.48
(5 ft)	lb					*36160	25440	*25260	16380	18520	11510	13690	8440	10650	6460	(34.4)
Ground	kg			*10240	*10240	*17910	11010	11690	7060	8140	4990	6080	3710	5020	3040	10.19
Line	lb			*22580	*22580	*39480	24270	25770	15560	17950	11000	13400	8180	11070	6700	(33.4)
-1.5 m	kg	*11380	*11380	*14470	*14470	*18150	10860	11490	6880	8010	4870			5500	3350	9.63
(-5 ft)	lb	*25090	*25090	*31900	*31900	*40010	23940	25330	15170	17660	10740			12130	7390	(31.6)
-3.0 m	kg	*15350	*15350	*19470	*19470	*17370	10940	11490	6880	8020	4800			6500	4010	8.74
(-10 ft)	lb	*33840	*33840	*42920	*42920	*38290	24120	25330	15170	17680	10760			14330	8840	(28.7)
-4.5 m	kg			*21820	*21820	*15410	11220	*11430	7060					*7480	5470	7.37
(-15 ft)	lb			*48100	*48100	*33970	24740	*25200	15560					*16490	12060	(24.2)
-6.0 m	kg					*11340	*11340									
(-20 ft)	lb					*25000	*25000									

Boom : 6.45m (21′ 2″) / Arm : 4.05 m (13′ 3″) / Bucket : 1.44 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24″) triple grouser

Load point height m (ft)		Load radius												At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg													*5250	3640	10.00
(25 ft)	lb													*11570	8020	(32.8)
6.0 m	kg											*4530	4380	4940	3080	10.71
(20 ft)	lb											*9990	9660	10890	6790	(35.1)
4.5 m	kg									*6270	6000	*5750	4250	4500	2750	11.13
(15 ft)	lb									*13820	13230	*12680	9370	9920	6060	(36.5)
3.0 m	kg			*18220	*18220	*11250	*11250	*8610	8250	*7280	5660	6460	4060	4280	2570	11.32
(10 ft)	lb			*40170	*40170	*24800	*24800	*18980	18190	*16050	12480	14240	8950	9440	5670	(37.1)
1.5 m	kg			*10440	*10440	*14750	12000	*10470	7630	*8360	5310	6240	3860	4230	2520	11.29
(5 ft)	lb			*23020	*23020	*32520	26460	*23080	16820	*18430	11710	13760	8510	9330	5560	(37.0)
Ground	kg			*10810	*10810	*17060	11210	11810	7150	8180	5020	6060	3690	4360	2590	11.03
Line	lb			*23830	*23830	*37610	24710	26040	15760	18030	11070	13360	8140	9610	5710	(36.2)
-1.5 m	kg	*9850	*9850	*13390	*13390	*18030	10860	11490	6880	7980	4830	5950	3580	4700	2810	10.52
(-5 ft)	lb	*21720	*21720	*29520	*29520	*39750	23940	25330	15170	17590	10650	13120	7890	10360	6190	(34.5)
-3.0 m	kg	*13020	*13020	*16980	*16980	*17900	10800	11380	6780	7900	4770	5930	3570	5390	3270	9.72
(-10 ft)	lb	*28700	*28700	*37430	*37430	*39460	23810	25090	14950	17420	10520	13070	7870	11880	7210	(31.9)
-4.5 m	kg	*16670	*16670	*21800	*21800	*16680	10950	11460	6850	7980	4840			6760	4180	8.53
(-15 ft)	lb	*36750	*36750	*48060	*48060	*36770	24140	25260	15100	17590	10670			14900	9220	(28.0)
-6.0 m	kg			*20030	*20030	*13950	11330	*10120	7130					*6790	6430	6.71
(-20 ft)	lb			*44160	*44160	*30750	24980	*22310	15720					*14970	14180	(22.0)

Lifting Capacity

R320LC-9

Rating over-front Rating over-side or 360 degree

Boom : 6.45m (21′ 2″) / Arm : 2.5 m (8′ 2″) / Bucket : 1.44 m³ (1.20 yd³) SAE heaped / Shoe : 800mm (32″) triple grouser

Load point height m (ft)		Load radius										At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
														m (ft)
7.5 m	kg											*6720	5190	8.34
(25 ft)	lb											*14820	11440	(27.4)
6.0 m	kg							*7320	6150			6630	4230	9.19
(20 ft)	lb							*16140	13560			14620	9330	(30.2)
4.5 m	kg			*11600	*11600	*9120	8660	*7930	5940			5930	3720	9.70
(15 ft)	lb			*25570	*25570	*20110	19090	*17480	13100			13070	8200	(31.8)
3.0 m	kg			*15130	12550	*10770	8090	*8770	5660			5600	3480	9.92
(10 ft)	lb			*33360	27670	*23740	17840	*19330	12480			12350	7670	(32.5)
1.5 m	kg			*17590	11700	*12210	7610	8660	5400	6440	4000	5570	3440	9.88
(5 ft)	lb			*38780	25790	*26920	16780	19090	11900	14200	8820	12280	7580	(32.4)
Ground	kg			*18360	11400	12100	7330	8470	5230			5820	3590	9.57
Line	lb			*40480	25130	26680	16160	18670	11530			12830	7910	(31.4)
-1.5 m	kg	*15010	*15010	*18010	11400	11990	7240	8400	5160			6490	4030	8.97
(-5 ft)	lb	*33090	*33090	*39710	25130	26430	15960	18520	11380			14310	8880	(29.4)
-3.0 m	kg	*22800	*22800	*16720	11570	12070	7310					7910	4960	7.98
(-10 ft)	lb	*50270	*50270	*36860	25510	26610	16120					17440	1930	(26.2)
-4.5 m	kg	*19110	*19110	*14080	11950	*10340	7600					*7300	7290	6.42
(-15 ft)	lb	*42130	*42130	*31040	26350	*22800	16760					*16090	16070	(21.1)

Boom : 6.45m (21′ 2″) / Arm : 3.2 m (10′ 6″) / Bucket : 1.44 m³ (1.20 yd³) SAE heaped / Shoe : 800mm (32″) triple grouser

Load point height m (ft)		Load radius												At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg									*5240	*5240			*5970	4500	9.06
(25 ft)	lb									*11550	*11550			*13160	9920	(29.7)
6.0 m	kg									*6500	6270			5910	3740	9.84
(20 ft)	lb									*14330	13820			13030	8250	(32.3)
4.5 m	kg							*8090	*8090	*7190	6020	*5440	4290	5330	3320	10.31
(15 ft)	lb							*17840	*17840	*15850	13270	*11990	9460	11750	7320	(33.8)
3.0 m	kg					*13400	12950	*9820	8210	*8110	5700	6590	4130	5050	3100	10.52
(10 ft)	lb					*29540	28550	*21650	18100	*17880	12570	14530	9110	11130	6830	(34.5)
1.5 m	kg					*16400	11870	*11460	7660	8660	5390	6420	3970	5010	3050	10.48
(5 ft)	lb					*36160	26170	*25260	16890	19090	11880	14150	8750	11050	6720	(34.4)
Ground	kg			*10240	*10240	*17910	11350	12060	7280	8410	5160	6280	3840	5190	3160	10.19
Line	lb			*22580	*22580	*39480	25020	26590	16050	18540	11380	13850	8470	11440	6970	(33.4)
-1.5 m	kg	*11380	*11380	*14470	*14470	*18150	11200	11850	7110	8270	5040			5690	3480	9.63
(-5 ft)	lb	*25090	*25090	*31900	*31900	*40010	24690	26120	15670	18230	11110			12540	7670	(31.6)
-3.0 m	kg	*15350	*15350	*19470	*19470	*17370	11280	11850	7110	8280	5050			6710	4150	8.74
(-10 ft)	lb	*33840	*33840	*42920	*42920	*38290	24870	26120	15670	18250	11130			14790	9150	(28.7)
-4.5 m	kg			*21820	*21820	*15410	11560	*11430	7290					*7480	5640	7.37
(-15 ft)	lb			*48100	*48100	*33970	2490	*25200	16070					*16490	12430	(24.2)
-6.0 m	kg					*11340	*11340									
(-20 ft)	lb					*25000	*25000									

Boom : 6.45m (21′ 2″) / Arm : 4.05 m (13′ 3″) / Bucket : 1.44 m³ (1.20 yd³) SAE heaped / Shoe : 800mm (32″) triple grouser

Load point height m (ft)		Load radius												At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg													*5250	3760	10.00
(25 ft)	lb													*11570	8290	(32.8)
6.0 m	kg											*4530	4520	5110	3190	10.71
(20 ft)	lb											*9990	9960	11270	7030	(35.1)
4.5 m	kg									*6270	6170	*5750	4380	4660	2850	11.13
(15 ft)	lb									*13820	13600	*12680	9600	10270	6280	(36.5)
3.0 m	kg			*18220	*18220	*11250	*11250	*8610	8480	*7280	5820	*6530	4190	4440	2670	11.32
(10 ft)	lb			*40170	*40170	*24800	*24800	*18980	18700	*16050	12830	*14400	9240	9790	5890	(37.1)
1.5 m	kg			*10440	*10440	*14750	12330	*10470	7850	*8360	5480	6450	3990	4390	2620	11.29
(5 ft)	lb			*23020	*23020	*32520	27180	*23080	17310	*18430	12080	14220	8800	9680	5780	(37.0)
Ground	kg			*10810	*10810	*17060	11540	*11950	7380	8440	5190	6270	3820	4520	2700	11.03
Line	lb			*23830	*23830	*37610	25440	*26350	16270	18610	11440	13820	8420	9960	5950	(36.2)
-1.5 m	kg	*9850	*9850	*13390	*13390	*18030	11190	11860	7100	8240	5000	6150	3720	4870	2930	10.52
(-5 ft)	lb	*21720	*21720	*29520	*29520	*39750	24670	26150	15650	18170	11020	13560	8200	10740	6460	(34.5)
-3.0 m	kg	*13020	*13020	*16980	*16980	*17900	11130	11750	7000	8160	4930	6140	3710	5570	3390	9.72
(-10 ft)	lb	*28700	*28700	*37430	*37430	*39460	24540	25900	15430	17990	10870	13540	8180	12280	7470	(31.9)
-4.5 m	kg	*16670	*16670	*21800	*21800	*16680	11280	11830	7080	8240	5010			6980	4320	8.53
(-15 ft)	lb	*36750	*36750	*48060	*48060	*36770	24870	26080	15610	18170	11050			15390	9520	(28.0)
-6.0 m	kg			*20030	*20030	*13950	11670	*10120	7360					*6790	6630	6.71
(-20 ft)	lb			*44160	*44160	*30750	25730	*22310	16230					*14970	14620	(22.0)

1. Lifting capacity is based on SAE J1097, ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load point is a hook located on the back of the bucket.
4. (*) indicates the load limited by hydraulic capacity.

Lifting Capacity

R320NLC-9

Rating over-front Rating over-side or 360 degree

Boom : 6.45m (21' 2") / Arm : 2.5 m (8' 2") / Bucket : 1.44 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)		Load radius										At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
														m (ft)
7.5 m	kg											*6720	4240	8.34
(25 ft)	lb											*14820	9350	(27.4)
6.0 m	kg							*7320	5050			6390	3410	9.19
(20 ft)	lb							*16140	11130			14090	7520	(30.2)
4.5 m	kg			*11600	11300	*9120	7100	*7930	4840			5700	2960	9.70
(15 ft)	lb			*25570	24910	*20110	15650	*17480	10670			12570	6530	(31.8)
3.0 m	kg			*15130	10060	*10770	6560	8630	4570			5380	2740	9.92
(10 ft)	lb			*33360	22180	*23740	14460	19030	10080			11860	6040	(32.5)
1.5 m	kg			*17590	9250	11980	6100	8350	4320	6190	3160	5340	2690	9.88
(5 ft)	lb			*38780	20390	26410	13450	18410	9520	13650	6970	11770	5930	(32.4)
Ground	kg			*18360	8980	11660	5830	8150	4150			5590	2820	9.57
Line	lb			*40480	19800	25710	12850	17970	9150			12320	6220	(31.4)
-1.5 m	kg	*15010	*15010	*18010	8970	11550	5740	8080	4080			6230	3180	8.97
(-5 ft)	lb	*33090	*33090	*39710	19780	25460	12650	17810	8990			13730	7010	(29.4)
-3.0 m	kg	*22800	18590	*16720	9130	11640	5810					7620	3960	7.98
(-10 ft)	lb	*50270	40980	*36860	20130	25660	12810					16800	8730	(26.2)
-4.5 m	kg	*19110	*19110	*14080	9490	*10340	6090					*7300	5910	6.42
(-15 ft)	lb	*42130	*42130	*31040	20920	*22800	13430					*16090	13030	(21.1)

Boom : 6.45m (21' 2") / Arm : 3.2 m (10' 6") / Bucket : 1.44 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)		Load radius												At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg									*5240	*5240			*5970	3650	9.06
(25 ft)	lb									*11550	*11550			*13160	8050	(29.7)
6.0 m	kg									*6500	5160			5690	2990	9.84
(20 ft)	lb									*14330	11380			12540	6590	(32.3)
4.5 m	kg							*8090	7260	*7190	4910	*5440	3440	5120	2610	10.31
(15 ft)	lb							*17840	16010	*15850	10820	*11990	7580	11290	5750	(33.8)
3.0 m	kg					*13400	10430	*9820	6670	*8110	4600	6340	3280	4850	2410	10.52
(10 ft)	lb					*29540	22990	*21650	14700	*17880	10140	13980	7230	10690	5310	(34.5)
1.5 m	kg					*16400	9410	*11460	6140	8340	4310	6170	3120	4800	2360	10.48
(5 ft)	lb					*36160	20750	*25260	13540	18390	9500	13600	6880	10580	5200	(34.4)
Ground	kg			*10240	*10240	*17910	8920	11620	5780	8090	4080	6030	3000	4980	2440	10.19
Line	lb			*22580	*22580	*39480	19670	25620	12740	17840	8990	13290	6610	10980	5380	(33.4)
-1.5 m	kg	*11380	*11380	*14470	*14470	*18150	8780	11410	5610	7950	3960			5460	2710	9.63
(-5 ft)	lb	*25090	*25090	*31900	*31900	*40010	19360	25150	12370	17530	8730			12040	5970	(31.6)
-3.0 m	kg	*15350	*15350	*19470	17990	*17370	8850	11410	5610	7960	3970			6450	3280	8.74
(-10 ft)	lb	*33840	*33840	*42920	39660	*38290	19510	25150	12370	17550	8750			14220	7230	(28.7)
-4.5 m	kg			*21820	18520	*15410	9110	*11430	5780					*7480	4520	7.37
(-15 ft)	lb			*48100	40830	*33970	20080	*25200	12740					*16490	9960	(24.2)
-6.0 m	kg					*11340	9660									
(-20 ft)	lb					*25000	21300									

Boom : 6.45m (21' 2") / Arm : 4.05 m (13' 3") / Bucket : 1.44 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)		Load radius												At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg													*5250	3010	10.00
(25 ft)	lb													*11570	6640	(32.8)
6.0 m	kg											*4530	3660	4910	2510	10.71
(20 ft)	lb											*9990	8070	10820	5530	(35.1)
4.5 m	kg									*6270	5060	*5750	3530	4470	2210	11.13
(15 ft)	lb									*13820	11160	*12680	7780	9850	4870	(36.5)
3.0 m	kg			*18220	*18220	*11250	11040	*8610	6930	*7280	4720	6410	3340	4250	2050	11.32
(10 ft)	lb			*40170	*40170	*24800	24340	*18980	15280	*16050	10410	14130	7360	9370	4520	(37.1)
1.5 m	kg			*10440	*10440	*14750	9840	*10470	6320	*8360	4390	6200	3150	4200	2000	11.29
(5 ft)	lb			*23020	*23020	*32520	21690	*23080	13930	*18430	9680	13670	6940	9260	4410	(37.0)
Ground	kg			*10810	*10810	*17060	9090	11730	5870	8130	4110	6020	2980	4330	2050	11.03
Line	lb			*23830	*23830	*37610	20040	25860	12940	17920	9060	13270	6570	9550	4520	(36.2)
-1.5 m	kg	*9850	*9850	*13390	*13390	*18030	8760	11420	5600	7920	3930	5900	2880	4670	2240	10.52
(-5 ft)	lb	*21720	*21720	*29520	*29520	*39750	19310	25180	12350	17460	8660	13010	6350	10300	4940	(34.5)
-3.0 m	kg	*13020	*13020	*16980	*16980	*17900	8710	11310	5510	7840	3860	5890	2870	5350	2630	9.72
(-10 ft)	lb	*28700	*28700	*37430	*37430	*39460	19200	24930	12150	17280	8510	12990	6330	11790	5800	(31.9)
-4.5 m	kg	*16670	*16670	*21800	18000	*16680	8850	11390	5580	7920	3930			6710	3410	8.53
(-15 ft)	lb	*36750	*36750	*48060	39680	*36770	19510	25110	12300	17460	8660			14790	7520	(28.0)
-6.0 m	kg			*20030	18700	*13950	9210	*10120	5850					*6790	5340	6.71
(-20 ft)	lb			*44160	41230	*30750	20300	*22310	12900					*14970	11770	(22.0)

Lifting Capacity

R320LC-9 HIGH WALKER

Rating over-front Rating over-side or 360 degree

Boom : 6.45m (21' 2") / Arm : 2.5 m (8' 2") / Bucket : 1.44 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)		Load radius										At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
														m (ft)
7.5 m	kg											*6730	5630	8.53
(25 ft)	lb											*14840	12410	(28.0)
6.0 m	kg							*7410	6920			*6840	4700	9.31
(20 ft)	lb							*16340	15260			*15080	10360	(30.5)
4.5 m	kg			*12260	*12260	*9420	*9420	*8070	6690			6250	4210	9.76
(15 ft)	lb			*27030	*27030	*20770	*20770	*17790	14750			13780	9280	(32.0)
3.0 m	kg			*15720	14150	*11070	9100	*8930	6400	7000	4710	5970	4000	9.93
(10 ft)	lb			*34660	31200	*24410	20060	*19690	14110	15430	10380	13160	8820	(32.6)
1.5 m	kg			*17850	13390	*12430	8650	9190	6150			5990	3990	9.84
(5 ft)	lb			*39350	29520	*27400	19070	20260	13560			13210	8800	(32.3)
Ground	kg			*18370	13170	12850	8400	9020	5990			6330	4220	9.48
Line	lb			*40500	29030	28330	18520	19890	13210			13960	9300	(31.1)
-1.5 m	kg	*16360	*16360	*17850	13200	12780	8330	8970	5950			7140	4780	8.82
(-5 ft)	lb	*36070	*36070	*39350	29100	28180	18360	19780	13120			15740	10540	(28.9)
-3.0 m	kg	*22580	*22580	*16360	13410	*12250	8440					*7890	5990	7.75
(-10 ft)	lb	*49780	*49780	*36070	29560	*27010	18610					*17390	13210	(25.4)
-4.5 m	kg	*18050	*18050	*13340	*13340									
(-15 ft)	lb	*39790	*39790	*29410	*29410									

Boom : 6.45m (21' 2") / Arm : 3.2 m (10' 6") / Bucket : 1.44 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)		Load radius												At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg									*5730	*5730			*5990	4920	9.24
(25 ft)	lb									*12630	*12630			*13210	10850	(30.3)
6.0 m	kg									*6600	*6600			*6130	4180	9.95
(20 ft)	lb									*14550	*14550			*13510	9220	(32.6)
4.5 m	kg							*8400	*8400	*7350	6760	*5820	4880	5660	3770	10.37
(15 ft)	lb							*18520	*18520	*16200	14900	*12830	10760	12480	8310	(34.0)
3.0 m	kg					*14050	*14050	*10150	9210	*8290	6430	7030	4710	5420	3580	10.53
(10 ft)	lb					*30970	*30970	*22380	20300	*18280	14180	15500	10380	11950	7890	(34.5)
1.5 m	kg					*16800	13530	*11720	8680	*9210	6130	6860	4550	5420	3560	10.45
(5 ft)	lb					*37040	29830	*25840	19140	*20300	13510	15120	10030	11950	7850	(34.3)
Ground	kg			*10990	*10990	*18040	13080	*12750	8330	8980	5920	6740	4440	5670	3720	10.11
Line	lb			*24230	*24230	*39770	28840	*28110	18360	19800	13050	14860	9790	12500	8200	(33.2)
-1.5 m	kg	*12090	*12090	*15330	*15330	*18080	12980	12670	8190	8870	5820			6270	4140	9.50
(-5 ft)	lb	*26650	*26650	*33800	*33800	*39860	28620	27930	18060	19550	12830			13820	9130	(31.2)
-3.0 m	kg	*16150	*16150	*20540	*20540	*17110	13090	*12630	8220	8910	5850			7510	5000	8.53
(-10 ft)	lb	*35600	*35600	*45280	*45280	*37720	28860	*27840	18120	19640	12900			16560	11020	(28.0)
-4.5 m	kg			*20940	*20940	*14870	13430	*10980	8450					*7390	6990	7.03
(-15 ft)	lb			*46160	*46160	*32780	29610	*24210	18630					*16290	15410	(23.1)

Boom : 6.45m (21' 2") / Arm : 4.05 m (13' 3") / Bucket : 1.44 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)		Load radius												At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg											*3030	*3030	*5280	4150	10.16
(25 ft)	lb											*6680	*6680	*11640	9150	(33.3)
6.0 m	kg											*4770	*4770	5370	3600	10.81
(20 ft)	lb											*10520	*10520	11840	7940	(35.5)
4.5 m	kg									*6440	*6440	*5980	4970	4950	3270	11.19
(15 ft)	lb									*14200	*14200	*13180	10960	10910	7210	(36.7)
3.0 m	kg			*20040	*20040	*11950	*11950	*8970	*8970	*7490	6560	*6650	4770	4750	3110	11.33
(10 ft)	lb			*44180	*44180	*26350	*26350	*19780	*19780	*16510	14460	*14660	10520	10470	6860	(37.2)
1.5 m	kg			*10150	*10150	*15290	13960	*10790	8860	*8550	6210	6870	4570	4740	3090	11.26
(5 ft)	lb			*22380	*22380	*33710	30780	*23790	19530	*18850	13690	15150	10080	10450	6810	(36.9)
Ground	kg	*7400	*7400	*11200	*11200	*17340	13230	*12170	8410	8970	5940	6690	4410	4920	3200	10.95
Line	lb	*16310	*16310	*24690	*24690	*38230	29170	*26830	18540	19780	13100	14750	9720	10850	7050	(35.9)
-1.5 m	kg	*10420	*10420	*13990	*13990	*18090	12940	12600	8160	8790	5770	6590	4320	5350	3500	10.39
(-5 ft)	lb	*22970	*22970	*30840	*30840	*39880	28530	27780	17990	19380	12720	14530	9520	11790	7720	(34.1)
-3.0 m	kg	*13660	*13660	*17770	*17770	*17760	12920	12530	8100	8740	5720			6190	4090	9.53
(-10 ft)	lb	*30120	*30120	*39180	*39180	*39150	28480	27620	17860	19270	12610			13650	9020	(31.3)
-4.5 m	kg	*17430	*17430	*22910	*22910	*16310	13120	*12000	8200	8860	5830			*7060	5280	8.25
(-15 ft)	lb	*38430	*38430	*50510	*50510	*35960	28920	*26460	18080	19530	12850			*15560	11640	(27.1)
-6.0 m	kg			*18860	*18860	*13180	*13180	*9410	8550							
(-20 ft)	lb			*41580	*41580	*29060	*29060	*20750	18850							

1. Lifting capacity is based on SAE J1097, ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load point is a hook located on the back of the bucket.
4. (*) indicates the load limited by hydraulic capacity.