STANDARD EQUIPMENT

- ISO Standard cabin
  - All-weather steel cab with 360° visibility
  - Safety glass windows
  - Rise-up type windshield wiper
  - Sliding fold-in front window
  - Sliding side window(LH)
  - Lockable door
  - Hot & cool box
  - Storage compartment & Ashtray
  - Transparent cabin roof-cover
  - Radio & USB player
  - Handsfree mobile phone system with USB
  - 12 volt power outlet (24V DC to 12V DC converter)
  - 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
- Three outside rearview mirrors
- Mechanical suspension seat with heater
- Pilot-operated slidable joystick
- Console box height adjust system
- Four front working lights, one rear light
- Electric horn
- Batteries (2 x 12V x 200 AH)
- Battery master switch
- Removable clean-out dust net for cooler
- Automatic swing brake
- Automatic fuel line deaeration
- 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)
- Viscous fan clutch
- Travel alarm

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
- Booms
  - Heavy duty boom (7.06m,23'2")
  - Short boom (6.55m,21'6")
  - Long boom (9.0m,29'6")
- Arms
  - Heavy duty arm (3.38m,11'1")
  - Super short arm (2.4m,7'10")
  - Short arm (2.9m,9'6")
  - Long arm (5.85m,19'2")
- Counterweight
  - 9,700kg (21,380lb)
  - 10,200kg (22,490lb)
  - 10,700kg (23,590lb)
- Climate control
  - Air conditioner only
  - Heater only
- Cabin FOPS/FOG (ISO 10262 Level II)
  - FOPS (Falling Object Protective Structure)
- Cabin ROPS (ISO 12117-2)
  - ROPS (Roll Over Protective Structure)
- Cabin guard front
  - Wire net
  - Fine net
- Cabin roof-steel cover
- Cabin lights
- Cabin front window rain guard
- Track shoes
  - Triple grousers shoe (700mm, 28")
  - Triple grousers shoe (800mm, 32")
  - Triple grousers shoe (900mm, 36")
  - Double grousers shoe (600mm, 24")
  - Double grousers shoe (700mm, 28")
  - Full track rail guard
- Lower frame under cover (Additional)
- Pre-heating system, coolant
- 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)
- Air compressor

* 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

www.hyundai-ce.com 2020. 05 Rev.9

HYUNDAI CONSTRUCTION EQUIPMENT
Head Office (Sales office)
First tower, 55, Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea

MOVING YOU FURTHER

Robex 480LC-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 480LC-9

Machine Walk-Around

Engine Technology

Proven / reliable, fuel efficient Cummins Tier III QSM11 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 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.

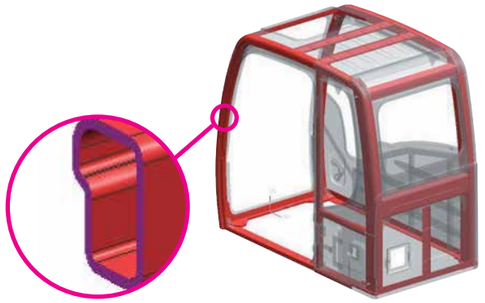
Performance

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.
The optional ROPS(Roll Over Protective Structure) cab can be equipped to enhance operator safety.

CUMMINS QSM11 Engine

The Tier III compliant, six cylinder, turbo-charged, 4 cycle, water cooled, Cummins QSM11 diesel engine is built for power, reliability, efficiency and reduced emissions.

Heavy-duty strength

The QSM11 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 QSM11 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 QSM11 is built stronger to last longer.

Profitability

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

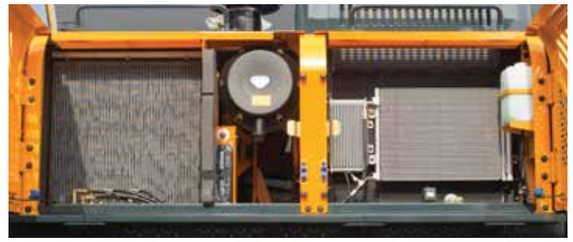
*Photo may include optional equipment.

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 Efficiency

9 series excavators are engineered to be extremely fuel efficient. New innovations like fan clutch, the variable speed remote fan, two-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.

Long-Life Components

9 series excavators were designed with bushings designed for long-life lube intervals (250 hrs) & polymer shims (wear resistant, noise reducing), long-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 QSM11
Type			Water-cooled, 4-cycle Diesel, 6-Cylinder in-line, Direct injection, Turbocharged, Charger air cooled, Low emission
Rated flywheel horsepower	SAE	J1995 (gross)	357HP (266kW)/ 1,900rpm
		J1349 (net)	342HP (255kW)/ 1,900rpm
	DIN	6271/1 (gross)	362PS (266kW)/ 1,900rpm
		6271/1 (net)	347PS (255kW)/ 1,900rpm
Max. torque			170.8kgf·m (1,235lbf·ft)/1,400rpm
Bore X stroke			125mm X 147mm (4.92" X 5.79")
Piston displacement			10,800cc (659 in^3)
Batteries			2 X 12V X 200AH
Starting motor			24V, 7.2kW
Alternator			24V, 70Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem-axis piston pumps
Max. flow	2 X 370 L /min (97.7 US gpm / 81.4 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	330 kgf/cm^2 (4,690 psi)
Travel	330 kgf/cm^2 (4,690 psi)
Power boost (boom, arm, bucket)	360 kgf/cm^2 (5,120 psi)
Swing circuit	285 kgf/cm^2 (4,050 psi)
Pilot circuit	40 kgf/cm^2 (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom: 2-170 X1,570 mm (6.7" X 61.8")
	Arm: 1-190 X 1,820 mm (7.5" X 71.7")
	Bucket: 1-160 X 1,370 mm (6.3" X 53.9")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	38,500 kgf (84,800 lbf)
Max. travel speed (high / low)	5.0 km/hr (3.1 mph) / 3.2 km/hr (2.0 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

SWING SYSTEM

Swing motor	Axial pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.0 rpm

COOLANT & LUBRICANT CAPACITY

	liter	US gal	UK gal
Re-filling			
Fuel tank	621.0	164.0	136.6
Engine coolant	50.0	13.2	11.0
Engine oil	37.9	10.0	8.3
Swing device - gear oil	5.0	1.3	1.1
Final drive (each) - gear oil	5.0	1.3	1.1
Hydraulic system (including tank)	380.0	100.4	83.6
Hydraulic tank	262.0	69.2	57.6

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	53
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 7,060mm (23' 2") boom, 3,380mm (11' 1") arm, SAE heaped 2.15m^3 (2.81 yd^3) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	10,940kg (24,120lb)
Boom (with arm cylinder)	4,110kg (9,060lb)

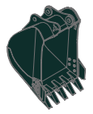
OPERATING WEIGHT			
Shoes		Operating weight	Ground pressure
Type	Width mm (in)	kg (lb)	kgf/cm^2 (psi)
Triple grouser	600 mm (24")	48,100 (106,040)	0.83 (11.80)
	700 mm (28")	48,640 (107,230)	0.72 (10.24)
	800 mm (32")	49,180 (108,420)	0.64 (9.10)
	900 mm (36")	49,720 (109,610)	0.57 (8.11)
Double grouser	600 mm (24")	48,100 (106,040)	0.83 (11.80)
	700 mm (28")	48,640 (107,230)	0.72 (10.24)

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 0.85kg refrigerant consisting of a CO_2 equivalent 1.22kg 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)	1.00 (1.31) 1.38 (1.80)	1.84 (2.41) 2.15 (2.81)	2.79 (3.65) 3.03 (3.96)	◉ 2.20 (2.88) ◉ 2.70 (3.53)

Capacity m^3 (yd^3)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft·in)					
					7,060(23' 2") Boom				6,550(21' 6") Boom	9,000(29' 6") Boom
SAE heaped	CECE heaped	Without sidecutters	With sidecutters		2,400 (7' 10") Arm	2,900 (9' 6") Arm	3,380(11' 1") Arm	4,000(13' 1") Arm	2,400 (7' 10") Arm	5,850(19' 2") Arm
1.00 (1.31)	0.9 (1.17)	915 (36.0)	1,065 (41.9)	1,220 (2,690)	●	●	●	●	●	●
1.38 (1.80)	1.25 (1.63)	1,100 (43.3)	1,250 (49.2)	1,420 (3,130)	●	●	●	●	●	■
1.84 (2.41)	1.65 (2.16)	1,140 (44.9)	1,290 (50.8)	1,520 (3,350)	●	●	●	■	●	-
2.15 (2.81)	1.92 (2.51)	1,415 (55.7)	1,565 (61.6)	1,740 (3,840)	●	●	■	▲	●	-
2.79 (3.65)	2.47 (3.23)	1,760 (69.3)	1,910 (75.2)	1,960 (4,320)	■	■	▲	-	●	-
3.03 (3.96)	2.67 (3.49)	1,890 (74.4)	2,040 (80.3)	2,090 (4,610)	▲	▲	-	-	■	-
◉ 2.20 (2.88)	1.80 (2.35)	1,840 (72.4)	-	2,295 (5,060)	●	●	■	-	●	-
		1,885 (74.2)	-	2,335 (5,150)	▲	-	-	-	■	-
◉ 2.70 (3.53)	2.5 (3.27)	1,790 (70.4)	-	2,715 (5,990)	▲	-	-	-	■	-

◉ 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. 6,550mm(21' 6"), 7,060mm(23' 2"), 9,000mm(29' 6")booms and 2,400mm(7' 10"), 2,900mm(9' 6"), 3,380mm(11' 1"), 4,000mm(13' 1"), 5,850mm(19' 2")arms are available.

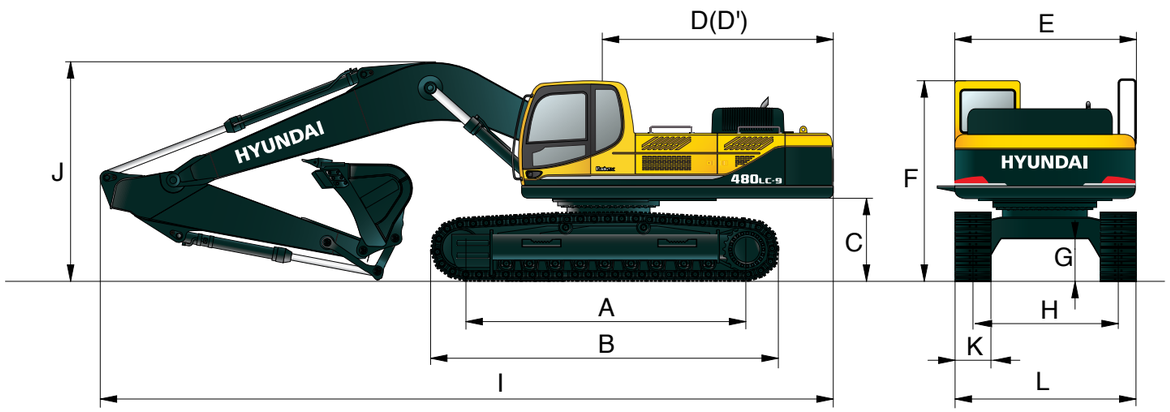
DIGGING FORCE

Boom	Length	mm (ft·in)	7,060(23' 2")				Remarks
	Weight	kg (lb)	3,260 (7,180)				
Arm	Length	mm (ft·in)	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	
	Weight	kg (lb)	2,070 (4,560)	2,230 (4,920)	2,100 (4,630)	2,370 (5,220)	
Bucket digging force	SAE	kN	216.7 [236.4]	219.7 [239.6]	220.7 [240.7]	222.6 [242.9]	[ ]: Power Boost
		kgf	22,100 [24,110]	22,400 [24,440]	22,500 [24,550]	22,700 [24,760]	
		lbf	48,720 [53,150]	49,380 [53,870]	49,600 [54,110]	50,040 [54,590]	
	ISO	kN	251.1 [273.9]	254.0 [277.1]	255.0 [278.2]	256.9 [280.3]	
		kgf	25,600 [27,930]	25,900 [28,250]	26,000 [28,360]	26,200 [28,580]	
		lbf	56,440 [61,570]	57,100 [62,290]	57,320 [62,530]	57,760 [63,010]	
Arm crowd force	SAE	kN	276.6 [301.7]	224.6 [245.0]	191.2 [208.6]	170.6 [186.2]	
		kgf	28,200 [30,760]	22,900 [24,980]	19,500 [21,270]	17,400 [18,980]	
		lbf	62,170 [67,820]	50,490 [55,080]	42,990 [46,900]	38,360 [41,850]	
	ISO	kN	290.3 [316.7]	234.4 [255.7]	199.1 [217.2]	176.5 [192.6]	
		kgf	29,600 [32,290]	23,900 [26,070]	20,300 [22,150]	18,000 [19,640]	
		lbf	65,260 [71,190]	52,690 [57,480]	44,750 [48,820]	39,680 [43,290]	

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

Dimensions & Working Range

R480LC-9 DIMENSIONS



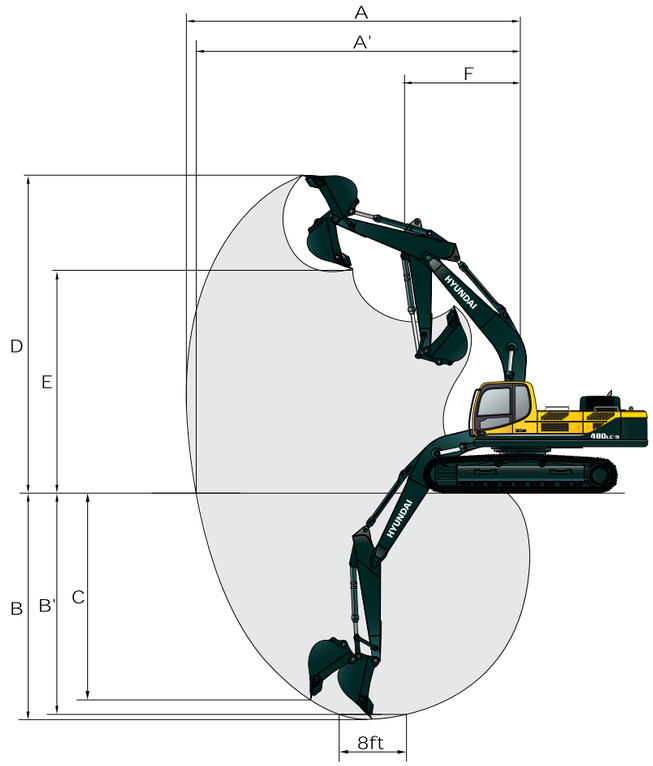
mm (ft·in)

A	Tumbler distance	4,470 (14′ 8″)
B	Overall length of crawler	5,462 (17′ 11″)
C	Ground clearance of counterweight	1,295 (4′ 3″)
D	Tail swing radius	3,750 (12′ 4″)
D′	Rear-end length	3,695 (12′ 1″)
E	Overall width of upperstructure	2,980 (9′ 9″)
F	Overall height of cab	3,190 (10′ 6″)
G	Min. ground clearance	555 (1′ 10″)
H	Track gauge	2,740 (9′ 0″)

	Boom length	7,060 (23′ 2″)				6,550 (21′ 6″)	9,000 (29′ 6″)
	Arm length	2,400 (7′ 10″)	2,900 (9′ 6″)	3,380 (11′ 1″)	4,000 (13′ 1″)	2,400 (7′ 10″)	5,850 (19′ 2″)
I	Overall length	12,270 (40′ 3″)	12,200 (40′ 0″)	12,060 (39′ 7″)	12,040 (39′ 6″)	11,770 (38′ 7″)	13,660 (44′ 10″)
J	Overall height of boom	3,840 (12′ 7″)	3,770 (12′ 4″)	3,730 (12′ 3″)	4,040 (13′ 3″)	4,030 (13′ 3″)	5,200 (17′ 1″)

K	ıck shoe width	600 (24″)	700 (28″)	800 (32″)	900 (36″)
L	erall width	3,340 (10′ 11″)	3,440 (11′ 3″)	3,540 (11′ 7″)	3,640 (11′ 11″)

R480LC-9 WORKING RANGE



mm (ft·in)

		Boom length	7,060 (23′ 2″)				6,550 (21′ 6″)	9,000 (29′ 6″)
		Arm length	2,400 (7′ 10″)	2,900 (9′ 6″)	3,380 (11′ 1″)	4,000 (13′ 1″)	2,400 (7′ 10″)	5,850 (19′ 2″)
A	Max. digging reach		11,160 (36′ 7″)	11,550 (37′ 11″)	12,100 (39′ 8″)	12,660 (41′ 6″)	10,610 (34′ 10″)	16,350 (53′ 8″)
A′	Max. digging reach on ground		10,940 (35′ 11″)	11,340 (37′ 2″)	11,900 (39′ 1″)	12,470 (40′ 11″)	10,370 (34′ 0″)	16,200 (53′ 2″)
B	Max. digging depth		6,850 (22′ 6″)	7,350 (24′ 1″)	7,810 (25′ 7″)	8,450 (27′ 9″)	6,370 (20′ 11″)	11,560 (37′ 11″)
B′	Max. digging depth (8' level)		6,670 (21′ 11″)	7,190 (23′ 7″)	7,670 (25′ 2″)	8,320 (27′ 4″)	6,190 (20′ 4″)	11,460 (37′ 7″)
C	Max. vertical wall digging depth		5,960 (19′ 7″)	5,930 (19′ 5″)	6,590 (21′ 7″)	7,170 (23′ 6″)	5,400 (17′ 9″)	10,320 (33′ 10″)
D	Max. digging height		10,560 (34′ 8″)	10,530 (34′ 7″)	10,980 (36′ 0″)	11,210 (36′ 9″)	10,170 (33′ 4″)	13,840 (45′ 5″)
E	Max. dumping height		7,120 (23′ 4″)	7,180 (23′ 7″)	7,620 (25′ 0″)	7,820 (25′ 8″)	6,750 (22′ 2″)	10,440 (34′ 3″)
F	Min. swing radius		5,090 (16′ 8″)	4,910 (16′ 1″)	4,780 (15′ 8″)	4,910 (16′ 1″)	4,620 (15′ 2″)	5,940 (19′ 6″)

Lifting Capacity

R480LC-9

Rating over-front Rating over-side or 360 degree

Boom : 6.55m (21′ 6″) / Arm : 2.40 m (7′ 10″) / Bucket : 2.15 m³ (2.81 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)		Capacity		Reach
												m (ft)
6.0 m	kg					*12,480	*12,480	*11,020	9,310	*9,470	6,570	9.15
(25 ft)	lb					*27,510	*27,510	*24,290	20,530	*20,880	14,480	(30.0)
4.5 m	kg			*18,440	*18,440	*13,960	13,040	11,650	9,010	*9,440	5,790	9.65
(20 ft)	lb			*40,650	*40,650	*30,780	28,750	25,680	19,860	*20,810	12,760	(31.7)
3.0 m	kg					*15,580	12,220	12,420	8,610	*9,470	5,410	9.86
(15 ft)	lb					*34,350	26,940	27,380	18,980	*20,880	11,930	(32.3)
1.5 m	kg					*16,700	11,550	13,000	8,240	*9,510	5,340	9.80
(5 ft)	lb					*36,820	25,460	28,660	18,170	*20,970	11,770	(32.2)
Ground	kg			*22,790	17,330	*16,900	11,170	13,090	8,000	*9,480	5,590	9.47
Line	lb			*50,240	38,210	*37,260	24,630	28,860	17,640	*20,900	12,320	(31.1)
-1.5 m	kg	*25,320	*25,320	*20,990	17,370	*16,060	11,060	12,360	7,920	*9,240	6,280	8.83
(-5 ft)	lb	*55,820	*55,820	*46,270	38,290	*35,410	243,80	27,250	17,460	*20,370	13,850	(29.0)
-3.0 m	kg	*21,780	*21,780	*17,910	17,670	*13,920	11,190			*8,390	7,800	7.79
(-10 ft)	lb	*48,020	*48,020	*39,480	38,960	*30,690	24,670			*18,500	17,200	(25.6)
-4.5 m	kg			*12,770	*12,770							
(-15 ft)	lb			*28,150	*28,150							

Boom : 7.06m (23′ 2″) / Arm : 2.40 m (7′ 10″) / Bucket : 2.15 m³ (2.81 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)
6.0 m	kg					*12,000	*12,000	*10,370	9,210			*8,610	5,730	9.75
(20 ft)	lb					*26,460	*26,460	*22,860	20,300			*18,980	12,630	(32.0)
4.5 m	kg					*13,640	12,660	*11,150	8,820			*8,600	5,100	10.21
(15 ft)	lb					*30,070	27,910	*24,580	19,440			*18,960	11,240	(33.5)
3.0 m	kg					*15,310	11,770	*12,010	8,370	*10,080	6,180	8,630	4,780	10.41
(10 ft)	lb					*33,750	25,950	*26,480	18,450	*22,220	13,620	19,030	10,540	(34.2)
1.5 m	kg					*16,370	11,110	*12,650	7,990	*10,340	5,980	8,590	4,720	10.36
(5 ft)	lb					*36,090	24,490	*27,890	17,610	*22,800	13,180	18,940	10,410	(34.0)
Ground	kg					*16,540	10,780	*12,830	7,740	*10,270	5,850	*8,720	4,930	10.05
Line	lb					*36,460	23,770	*28,290	17,060	*22,640	12,900	*19,220	10,870	(33.0)
-1.5 m	kg			*20,270	16,950	*15,820	10,710	*12,360	7,660			*8,570	5,470	9.46
(-5 ft)	lb			*44,690	37,370	*34,880	23,610	*27,250	16,890			*18,890	12,060	(31.0)
-3.0 m	kg	*20,660	*20,660	*17,780	17,250	*14,130	10,850	*10,900	7,770			*8,040	6,620	8.51
(-10 ft)	lb	*45,550	*45,550	*39,200	38,030	*31,150	23,920	*24,030	17,130			*17,730	14,590	(27.9)
-4.5 m	kg			*13,800	*13,800	*10,900	*10,900					*6,360	*6,360	7.04
(-15 ft)	lb			*30,420	*30,420	*24,030	*24,030					*14,020	*14,020	(23.1)

1. Lifting capacity is based on 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

R480LC-9

Rating over-front Rating over-side or 360 degree

Boom : 7.06m (23′ 2″) / Arm : 2.90 m (9′ 6″) / Bucket : 2.15 m³ (2.81 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)
6.0 m	kg							*9,720	9,320			*7,970	5,290	10.17
(20 ft)	lb							*21,430	20,550			*17,570	11,660	(33.4)
4.5 m	kg			*17,130	*17,130	*12,810	*12,810	*10,570	8,900	*9,230	6,420	*8,010	4,720	10.62
(15 ft)	lb			*37,770	*37,770	*28,240	*28,240	*23,300	19,620	*20,350	14,150	*17,660	10,410	(34.8)
3.0 m	kg			*20,840	18,260	*14,600	11,920	*11,520	8,410	*9,700	6,170	8,080	4,430	10.80
(10 ft)	lb			*45,940	40,260	*32,190	26,280	*25,400	18,540	*21,380	13,600	17,810	9,770	(35.4)
1.5 m	kg			*22,630	17,010	*15,920	11,160	*12,300	7,970	*10,090	5,930	8,030	4,360	10.75
(5 ft)	lb			*49,890	37,500	*35,100	24,600	*27,120	17,570	*22,240	13070	17,700	9,610	(35.3)
Ground	kg			*22,430	16,650	*16,410	10,720	*12,670	7,670	*10,200	5,760	*8,290	4,520	10.46
Line	lb			*49,450	36,710	*36,180	23,630	*27,930	16,910	*22,490	12,700	*18,280	9,960	(34.3)
-1.5 m	kg	*19,830	*19,830	*21,180	16,670	*16,030	10,560	*12,460	7,530			*8,270	4,970	9.89
(-5 ft)	lb	*43,720	*43,720	*46,690	36,750	*35,340	23,280	*27,470	16,600			*18,230	10,960	(32.4)
-3.0 m	kg	*24,070	*24,070	*18,990	16,910	*14,720	10,630	*11,420	7,570			*8,000	5,900	9.00
(-10 ft)	lb	*53,070	*53,070	*41,870	37,280	*32,450	23,440	*25,180	16,690			*17,640	13,010	(29.5)
-4.5 m	kg	*19,160	*19,160	*15,510	*15,510	*12,130	10,930					*7,000	*7,000	7.64
(-15 ft)	lb	*42,240	*42,240	*34,190	*34,190	*26,740	24,100					*15,430	*15,430	(25.1)

Boom : 7.06m (23′ 2″) / Arm : 3.38 m (11′ 1″) / Bucket : 2.15 m³ (2.81 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)
6.0 m	kg							*9,220	*9,220	*8,240	6,740	*7,490	4,800	10.75
(20 ft)	lb							*20,330	*20,330	*18,170	14,860	*16,510	10,580	(35.3)
4.5 m	kg					*12,140	*12,140	*10,130	9,050	*8,910	6,530	*7,530	4,320	11.17
(15 ft)	lb					*26,760	*26,760	*22,330	19,950	*19,640	14,400	*16,600	9,520	(36.6)
3.0 m	kg			*19,830	18,930	*14,060	12,170	*11,170	8,540	*9,450	6,260	7,470	4,070	11.35
(10 ft)	lb			*43,720	41,730	*31,000	26,830	*24,630	18,830	*20,830	13,800	16,470	8,970	(37.2)
1.5 m	kg			*22,320	17,460	*15,610	11,360	*12,080	8,080	*9,940	5,990	7,420	4,010	11.30
(5 ft)	lb			*49,210	38,490	*34,410	25,040	*26,630	17,810	*21,910	13,210	16,360	8,840	(37.1)
Ground	kg			*22,800	16,860	*16,390	10,850	*12,610	7,730	*10,190	5,790	7,670	4,140	11.02
Line	lb			*50,270	37,170	*36,130	23,920	*27,800	17,040	*22,470	12,760	16,910	9,130	(36.2)
-1.5 m	kg	*18,070	*18,070	*21,950	16,730	*16,290	10,610	*12,600	7,550	*10,010	5,680	*7,770	4,500	10.49
(-5 ft)	lb	*39,840	*39,840	*48,390	36,880	*35,910	23,390	*27,780	16,640	*22,070	12,520	*17,130	9,920	(34.4)
-3.0 m	kg	*24,350	*24,350	*20,080	16,870	*15,280	10,820	*11,850	7,530			*7,590	5,240	9.66
(-10 ft)	lb	*53,680	*53,680	*44,270	37,190	*33,690	23,850	*26,120	16,600			*16,730	11,550	(31.7)
-4.5 m	kg	*22,100	*22,100	*16,990	*16,990	*13,120	10,820	*9,890	7,710			*6,910	6,720	8.43
(-15 ft)	lb	*48,720	*48,720	*37,460	*37,460	*28,920	23,850	*21,800	17,000			*15,230	14,820	(27.7)
-6.0 m	kg			*11,930	*11,930	*8,900	*8,900							
(-20 ft)	lb			*26,300	*26,300	*19,620	*19,620							

1. Lifting capacity is based on 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

R480LC-9

Rating over-front Rating over-side or 360 degree

Boom : 7.06m (23′ 2″) / Arm : 4.00 m (13′ 1″) / Bucket : 2.15 m³ (2.81 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)		10.5 m (35 ft)		Capacity		Reach
																m (ft)
6.0 m	kg									*7,750	6,810			*6,780	4,260	11.35
(20 ft)	lb									*17,090	15,010			*14,950	9,390	(37.2)
4.5 m	kg							*9,300	9,140	*8,250	6,560	*5,010	4,790	*6,840	3,840	11.75
(15 ft)	lb							*20,500	20,150	*18,190	14,460	*11,050	10,560	*15,080	8,470	(38.5)
3.0 m	kg			*17,970	*17,970	*13,000	12,370	*10,430	8,590	*8,880	6,250	*6,710	4,630	6,790	3,610	11.91
(10 ft)	lb			*39,620	*39,620	*28,660	27,270	*22,990	18,940	*19,580	13,780	*14,790	10,210	14,970	7,960	(39.1)
1.5 m	kg			*21,130	17,770	*14,790	11,450	*11,470	8,070	*9,480	5,940	*7,610	4,460	6,730	3,550	11.87
(5 ft)	lb			*46,580	39,180	*32,610	25,240	*25,290	17,790	*20,900	13,100	*16,780	9,830	14,840	7,830	(38.9)
Ground	kg	*13,120	*13,120	*22,460	16,830	*15,900	10,800	*12,200	7,650	*9,880	5,680	*7,180	4,330	6,920	3,640	11.60
Line	lb	*28,920	*28,920	*49,520	37,100	*35,050	23,810	*26,900	16,870	*21,780	12,520	*15,830	9,550	15,260	8,020	(38.1)
-1.5 m	kg	*17,270	*17,270	*22,270	16,480	*16,180	10,450	*12,440	7,390	*9,940	5,520			*7,210	3,930	11.11
(-5 ft)	lb	*38,070	*38,070	*49,100	36,330	*35,670	23,040	*27,430	16,290	*21,910	12,170			*15,900	8,660	(36.5)
-3.0 m	kg	*22,170	*22,170	*20,930	16,490	*15,580	10,350	*12,030	7,300	*9,420	5,480			*7,150	4,500	10.34
(-10 ft)	lb	*48,880	*48,880	*46,140	36,350	*34,350	22,820	*26,520	16,090	*20,770	12,080			*15,760	9,920	(33.9)
-4.5 m	kg	*25,260	*25,260	*18,420	16,750	*13,970	10,470	*10,700	7,390					*6,800	5,600	9.21
(-15 ft)	lb	*55,690	*55,690	*40,610	36,930	*30,800	23,080	*23,590	16,290					*14,990	12,350	(30.2)
-6.0 m	kg	*18,790	*18,790	*14,270	*14,270	*10,820	*10,820							*5,580	*5,580	7.55
(-20 ft)	lb	*41,420	*41,420	*31,460	*31,460	*23,850	*23,850							*12,300	*12,300	(24.8)

Boom : 9.0m (29′ 6″) / Arm : 5.85 m (19′ 2″) / Bucket : 1.38 m³ (1.80 yd³) SAE heaped / Shoe : 600mm (24″) triple grouser

Load point height m (ft)		Load radius												At max. reach		
		3.0 m (10 ft)		5.0 m (15 ft)		7.0 m (25 ft)		9.0 m (30 ft)		11.0 m (35 ft)		13.0 m (45 ft)		Capacity		Reach
																m (ft)
10.0 m	kg													*4,310	3,590	13.54
(35 ft)	lb													*9,500	7,910	(44.4)
8.0 m	kg											*2,660	*2,660	*4,240	2,910	14.55
(25 ft)	lb											*5,860	*5,860	*9,350	6,420	(44.7)
6.0 m	kg									*5,190	*5,190	*4,250	3,640	*4,230	2,490	15.20
(20 ft)	lb									*11,440	*11,440	*9,370	8,020	*9,330	5,490	(49.9)
4.0 m	kg							*6,800	*6,800	*5,710	4,950	*4,990	3,450	*4,270	2,240	15.55
(15 ft)	lb							*14,990	*14,990	*12,590	10,910	*11,000	7,610	*9,410	4,940	(51.0)
2.0 m	kg			*16,010	16,000	*10,420	9,730	*7,780	6,520	*6,260	4,560	*5,280	3,230	*4,320	2,110	15.61
(5 ft)	lb			*35,300	35,270	*22,970	21,450	*17,150	14,370	*13,800	10,050	*11,640	7,120	*9,520	4,650	(51.2)
Ground	kg			*16,790	14,290	*11,730	8,750	*8,570	5,940	*6,720	4,210	*5,510	3,020	*4,390	2,110	15.38
Line	lb			*37,020	31,500	*25,860	19,290	*18,890	13,100	*14,820	9,280	*12,150	6,660	*9,680	4,650	(50.5)
-2.0 m	kg	*10,920	*10,920	*17,330	13,650	*12,300	8,170	*9,000	5,540	*6,970	3,950	*5,550	2,880	*4,450	2,250	14.87
(-5 ft)	lb	*24,070	*24,070	*38,210	30,090	*27,120	18,010	*19,840	12,210	*15,370	8,710	*12,240	6,350	*9,810	4,960	(48.8)
-4.0 m	kg	*14,070	*14,070	*17,370	13,550	*12,100	7,950	*8,940	5,340	*6,850	3,820	*4,730	2,830	*4,450	2,560	14.02
(-15 ft)	lb	*31,020	*31,020	*38,290	29,870	*26,680	17,530	*19,710	11,770	*15,100	8,420	*10,430	6,240	*9,810	5,640	(46.0)
-6.0 m	kg	*17,730	*17,730	*15,490	13,780	*11,110	7,980	*8,260	5,340	*6,160	3,850			*4,320	3,160	12.76
(-20 ft)	lb	*39,090	*39,090	*34,150	30,380	*24,490	17,590	*18,210	11,770	*13,580	8,490			*9,520	6,970	(41.9)
-8.0 m	kg	*17,880	*17,880	*12,400	*12,400	*9,090	8,270	*6,620	5,560					*3,820	*3,820	10.94
(-25 ft)	lb	*39,420	*39,420	*27,340	*27,340	*20,040	18,230	*14,590	12,260					*8,420	*8,420	(35.9)
-10.0 m	kg					*5,220	*5,220									
(-35 ft)	lb					*11,510	*11,510									

1. Lifting capacity is based on 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.

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