

MOVING YOU **FURTHER**

**Robex**  
**480LC-95**

With Tier 2 Engine installed



\*Photo may include optional equipment.

PLEASE CONTACT

 **HYUNDAI CONSTRUCTION EQUIPMENT**

**Head Office (Sales office)**  
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# 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-95

### Machine Walk-Around

#### Engine Technology

Proven / reliable, fuel efficient Cummins Tier 2 QSM11-C engine  
Electronically controlled for optimum fuel to air ratio and clean, efficient combustion  
Low noise / Auto engine warm up 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  
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  
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.  
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 / Satellite technology  
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 9S series!

##### RMS

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 9S 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.

## Operator Comfort

In 9S Series cabin you can easily adjust the seat, console and armrest settings to best suit your personal operating preferences. Seat and console position can be set together and independent from each other. Other preference settings that add to overall operator comfort include the fully 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 9S 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 is perfect for listening to music favorites.



## 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, and start-up machine security were integrated into the cluster to make the machine more versatile and the operator more productive.



## 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.





# Precision

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



## 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 9S 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

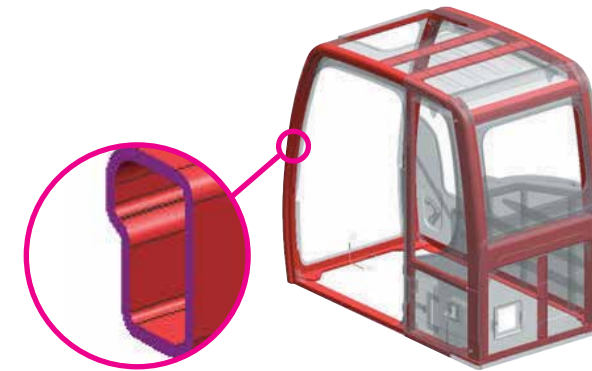
9S series is designed for maximum performance to keep the operator working productively.



\*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 9S 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.

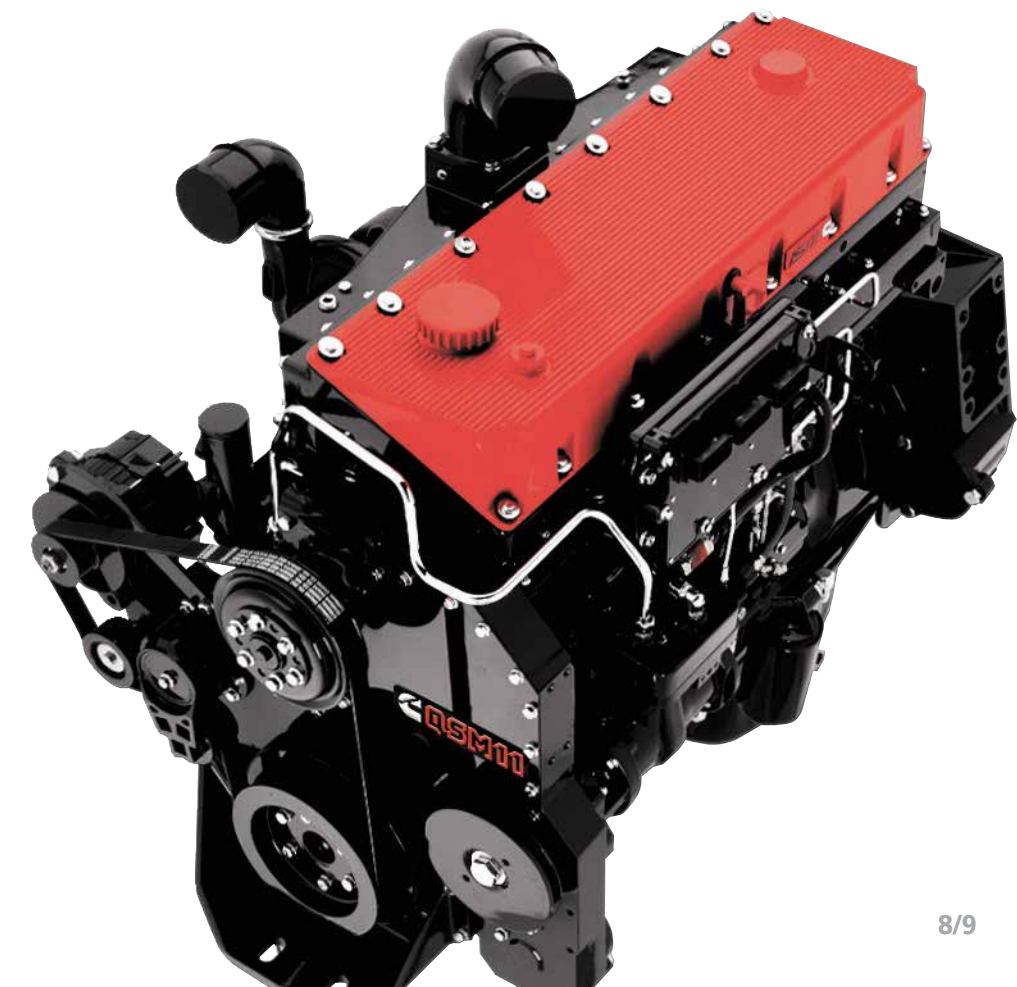
## CUMMINS QSM11-C Engine

The six cylinders, turbo-charged, 4 cycle, Charger air cooled engine is built for power, reliability, economy and low emissions. This engine meets Tier II emissions regulations.

### Setting the standard in lean, efficient power.

The QSM uses advanced electronic controls to meet the toughest emissions standards without compromising anything. Exceptional fuel efficiency, durability, dependability and the highest power-to-weight ratio in its class are still trademark QSM qualities. Plus, the QSM now runs quieter and cleaner.

The QSM engine comes with powerful Electronic Control Module (ECM). Using input from sensors located throughout the engine, it governs the timing and metering of fuel to the engine. Fuel is injected into the power cylinder using Cummins dual-pulse technology. This injection method helps reduce noise levels as it increases responsiveness and improves fuel efficiency.





# Profitability

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



\*Photo may include optional equipment.

## **Hi MATE**



### It's Convenient, Easy and Valuable

Hi-mate Hyundai's newly developed remote management system, utilizes GPS-satellite technology to provide customers with the highest level of service and product support available. Hi-mate enables users to remotely evaluate machine performance, access diagnostic information, and verify machine locations at the touch of a button.

### Increase Productivity

It helps you operate machines in efficient. You can check the difference between total engine hours and actual working hours. See how productive your machines are and plan any required cost saving solutions. Hi MATE offers working information such as working / idling hours, fuel consumption and rate.

### Convenient and Easy Monitoring

There is nothing much to do to monitor your machines. Just log on to the Hi MATE website or mobile application. Hi MATE allows you to watch your machines whenever and wherever you are.

### Security

Protect your machines from theft or unauthorized usage with Hi MATE. If the machine moves out of the Geo-fence boundary, you will get alerts.

### Fuel Efficiency

9S series excavators are engineered to be extremely fuel efficient. New innovations like 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 9S series.



### Long-Life Components

9S 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)	353HP (263kW) / 1,900rpm
		J1349 (net)	342HP (255kW) / 1,900rpm
	DIN	6271/1 (gross)	358PS (263kW) / 1,900rpm
		6271/1 (net)	347PS (255kW) / 1,900rpm
Max. torque	183kgf.m (1,324 lbf.ft) / 1,400rpm		
Bore X stroke	125mm X 147mm (4.92" X 5.79")		
Piston displacement	10,800cc (659 in <sup>3</sup> )		
Batteries	2 X 12V X 200AH		
Starting motor	24 V, 7.2 kW		
Alternator	24 V, 90 Amp		

## HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem-axis piston pumps
Max. flow	2 X 380 L /min (100.4 US gpm/83.6 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 <sup>2</sup> (4,690 psi)
Travel	360 kgf/cm <sup>2</sup> (5,120 psi)
Power boost (boom, arm, bucket)	360 kgf/cm <sup>2</sup> (5,120 psi)
Swing circuit	285 kgf/cm <sup>2</sup> (4,050 psi)
Pilot circuit	40 kgf/cm <sup>2</sup> (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom : 2-170 X 1,570 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")
	Bucket : Ø170x1,370 ST * 6,550 mm (21' 6") Boom and 2,400 mm (7' 10") arm only

## 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	164	136.6
Engine coolant	50.0	13.2	11.0
Engine oil	37.9	10.0	8.3
Swing device - gear oil	5.0 (7)	1.3 (1.8)	1.1 (1.5)
Final drive (each) - gear oil	10.0 (12)	2.6(3.1)	2.2(2.6)
Hydraulic system (including tank)	480	100.4	83.6
Hydraulic tank	262	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. ( )Option

Center frame	X-leg type
Track frame	Pentagonal box type
No. of shoes on each side	53EA
No. of carrier rollers on each side	2EA
No. of track rollers on each side	9EA
No. of rail guards on each side	2EA

## OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 7,060mm (23' 2") Heavy duty boom, 3,380mm (11' 1") Heavy duty arm, SAE heaped 2.15m<sup>3</sup> (2.81 yd<sup>3</sup>) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	11,380 kg (25,090 lb)
Counterweight	9,700 kg (21,380 lb)
Boom (with arm cylinder)	4,110 kg (9,060 lb)

OPERATING WEIGHT			
Shoes		Operating weight	Ground pressure
Type	Width mm	kg (lmb)	kgf/cm <sup>2</sup> (psi)
Triple grouser	600 mm (24")	49,500 (109,130)	0.86 (12.23)
	700 mm (28")	50,020 (110,280)	0.75 (10.67)
	750 mm (30")	50,280 (110,850)	0.70 (9.95)
	800 mm (32")	50,550 (111,440)	0.66 (9.35)
Double grouser	900 mm (36")	51,060 (112,570)	0.59 (8.39)
	600 mm (24")	49,315 (108,720)	0.86 (12.23)
	700 mm (28")	49,835 (109,370)	0.74 (10.52)
Triple grouser	600 mm (24")	49,680 (109,530)	0.86 (12.23)
	700 mm (28")	50,230 (110,740)	0.75 (10.67)

## AIR CONDITIONING SYSTEM

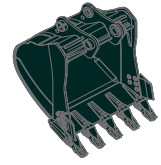
The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. ( Global Warming Potential : 1430 )  
The system hold 0.85kg refrigerant consisting of a CO<sub>2</sub> equivalent 1.22kg metric tonne. For more information, Please refer to the manual.



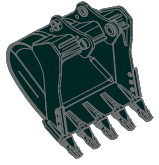
## BUCKETS

All buckets are welded with high-strength steel.

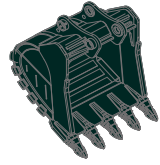
SAE heaped  
m<sup>3</sup>



General purpose  
1.38  
2.15  
3.00



Heavy duty  
2.20  
2.43  
2.79  
3.00  
3.20



Rock  
2.20  
2.43  
2.79  
3.20

Capacity m <sup>3</sup> (yd <sup>3</sup> )		Width mm (in)	Weight kg (lb)	Tooth EA	Recommendation mm (ft-in)						
SAE heaped	CECE heaped				6,550 (21' 6") Boom		7,060 (23' 2") Boom			9,000 (29' 6") Boom	
					2,400 (7' 10") Arm	2,550 (8' 4") Arm	2,400 (7' 10") Arm	2,900 (9' 6") Arm	3,380 (11' 1") Arm	4,000 (13' 1") Arm	6,000 (19' 8") Arm
⊙ 1.38 (1.80)	1.24 (1.62)	1,135 (45")	1,670 (3,680)	4	●	●	●	●	●	●	▲
⊙ 2.20 (2.88)	1.93 (2.52)	1,605 (63")	2,030 (4,480)	5	●	●	●	●	●	■	-
⊙ 3.00 (3.92)	2.70 (3.53)	1,905 (75")	2,440 (5,380)	6	●	■	■	▲	▲	-	-
⊙ 2.20 (2.88)	1.93 (2.52)	1,605 (63")	2,320 (5,110)	5	●	●	●	●	●	■	-
⊙ 2.43 (3.18)	2.11 (2.76)	1,750 (69")	2,450 (5,400)	5	●	●	●	●	■	▲	-
⊙ 2.79 (3.65)	2.47 (3.23)	1,785 (70")	2,630 (5,800)	5	●	●	■	■	▲	▲	-
⊙ 3.00 (3.92)	2.67 (3.49)	1,905 (75")	2,790 (6,150)	6	●	■	■	▲	▲	-	-
⊙ 3.20 (4.19)	2.82 (3.69)	1,995 (79")	2,870 (6,330)	6	■	■	▲	▲	-	-	-
⊙ 2.20 (2.88)	1.93 (2.52)	1,605 (63")	2,610 (5,750)	5	●	●	●	●	■	-	-
⊙ 2.43 (3.18)	2.11 (2.76)	1,750 (69")	2,730 (6,020)	5	●	●	●	■	■	-	-
⊙ 2.79 (3.65)	2.47 (3.23)	1,785 (70")	2,950 (6,500)	5	●	■	■	▲	▲	-	-
⊙ 3.20 (4.19)	2.82 (3.69)	1,995 (79")	3,230 (7,120)	6	■	▲	▲	▲	-	-	-

⊙ : General purpose

⊙ : Heavy duty

⊙ : Rock

● : Applicable for materials with density of 2,100 kg/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>) or less

● : Applicable for materials with density of 1,800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>) or less

■ : Applicable for materials with density of 1,500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>) or less

▲ : Applicable for materials with density of 1,200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>) or less

- : Not Recommended

## ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design. 6,550mm, 7,060mm, 9,000mm booms and 2,400mm, 2,900mm, 3,380mm, 4,000mm, 6,000mm arms are available.

## DIGGING FORCE

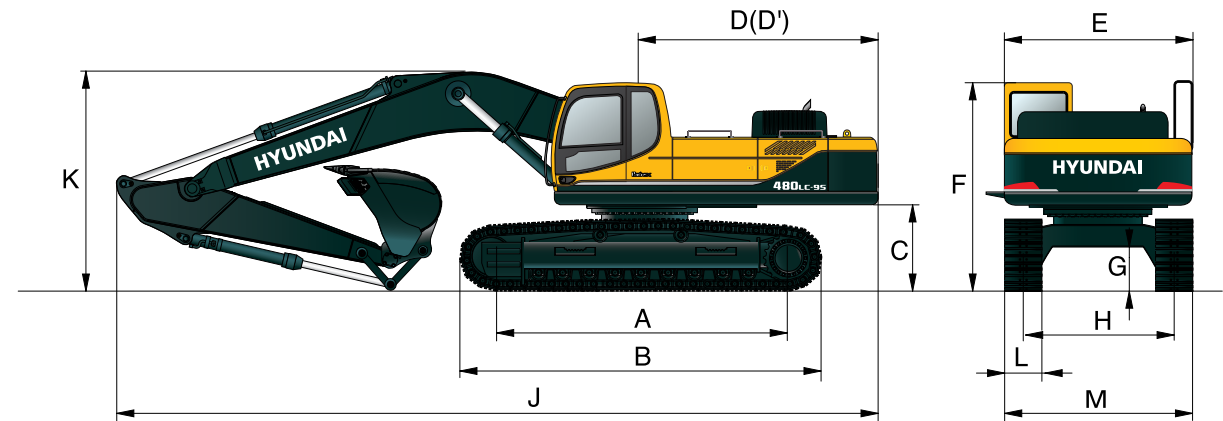
Boom	Length	mm (ft-in)	6,550 (21' 6")		7,060 (23' 2")			9,000 (29' 6")	Remarks
	Weight	kg (lb)	4,340 (9,570)		4,370 (9,630)			5,130 (11,310)	
Arm	Length	mm (ft-in)	2,400 (7' 10")	2,550 (8' 4")	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	6,000 (19' 8")	Power Boost
	Weight	kg (lb)	2,390 (5,270)	2,350 (5,180)	2,390 (5,270)	2,590 (5,710)	2,630 (5,800)	3,290 (7,250)	
Bucket digging force	SAE	kN	241.2 [263.2]	211.8 [231.0]	213.8 [233.2]	211.8 [231.0]	213.8 [233.2]	216.7	[]: Power Boost
		kgf	24600 [26840]	21600 [23560]	21600 [23780]	21600 [23560]	21800 [23780]	22100	
		lbf	54230 [59170]	47620 [51940]	48060 [52430]	47620 [51940]	48060 [52430]	48720	
	ISO	kN	280.5 [306.0]	246.2 [268.5]	248.1 [270.7]	264.2 [268.5]	248.1 [270.7]	252.0	
		kgf	28600 [31200]	25100 [27380]	25300 [27600]	25100 [27380]	25300 [27600]	25700	
		lbf	63050 [68780]	55340 [60360]	55780 [60850]	55340 [60360]	55780 [60850]	56660	
Arm crowd force	SAE	kN	274.6 [299.6]	232.7 [253.9]	274.6 [299.6]	220.7 [240.8]	191.2 [208.6]	121.6	
		kgf	28000 [30550]	23730 [25890]	28000 [30550]	22500 [24550]	19500 [21270]	12400	
		lbf	61730 [67350]	52320 [57080]	61730 [67350]	49600 [54120]	42990 [46890]	27340	
	ISO	kN	287.3 [313.4]	243.2 [265.3]	287.3 [313.4]	229.5 [250.4]	198.1 [216.1]	124.5	
		kgf	29300 [31960]	24800 [27050]	29300 [31960]	23400 [25530]	20200 [22040]	12700	
		lbf	64600 [70460]	54670 [59630]	64600 [70460]	51590 [56280]	44530 [48590]	28000	

Note: Boom weight includes arm cylinder, piping, and pin

Arm weight includes bucket cylinder, linkage, and pin

## Dimensions & Working Range

### R480LC-9S DIMENSIONS



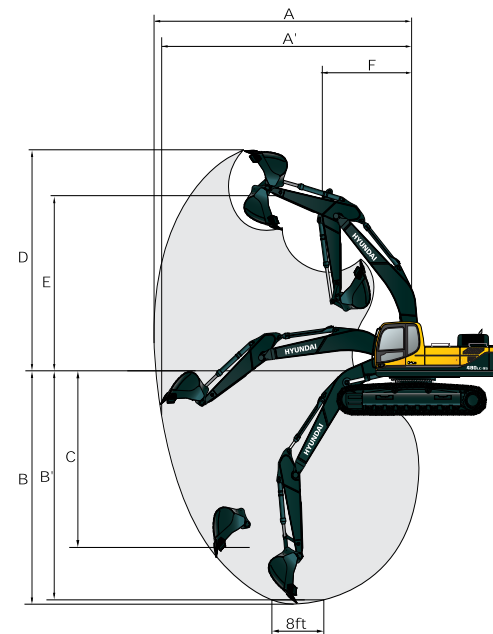
Unit : mm (ft-in)

A Tumbler distance	4,470 (14' 8")
B Overall length of crawler	5,460 (17' 11")
C Ground clearance of counterweight	1,295 (4' 3")
D Tail swing radius	3,910 (12' 10")
D' Rear-end length	3,855 (12' 10")
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")

Unit : mm (ft-in)

Boom length	6,550 (21' 6")		7,060 (23' 2")			9,000 (29' 6")
	2,400 (7' 10")	2,550 (8' 4")	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	6,000 (19' 8")
J Overall length	11,840 (38' 10")	11,630 (38' 2")	12,350 (40' 6")	12,230 (40' 1")	12,100 (39' 8")	14,070 (46' 2")
K Overall height of boom	4,100 (13' 5")	3,750 (12' 4")	4,010 (13' 2")	3,900 (12' 10")	3,790 (12' 5")	3,990 (13' 1")
L Track shoe width	600 (24")	700 (28")	750 (30")	800 (32")	900 (36")	
M Overall width	3,340 (10' 11")	3,440 (11' 3")	3,490 (11' 5")	3,540 (11' 7")	3,640 (11' 11")	

### R480LC-9S WORKING RANGE



Unit : mm (ft-in)

Boom length	6,550 (21' 6")		7,060 (23' 2")			9,000 (29' 6")
	2,400 (7' 10")	2,550 (8' 4")	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	6,000 (19' 8")
A Max. digging reach	10,650 (34' 11")	10,860 (35' 8")	11,200 (36' 9")	11,620 (38' 1")	12,040 (39' 6")	16,180 (53' 1")
A' Max. digging reach on ground	10,430 (34' 3")	10,640 (34' 11")	10,980 (36' 0")	11,410 (37' 5")	11,840 (38' 10")	12,410 (40' 9")
B Max. digging depth	6,420 (21' 1")	6,570 (21' 7")	6,780 (22' 3")	7,280 (23' 11")	7,760 (25' 6")	8,380 (27' 6")
B' Max. digging depth (8' level)	6,240 (20' 6")	6,400 (21' 0")	6,600 (21' 8")	7,120 (23' 4")	7,620 (25' 0")	8,250 (27' 1")
C Max. vertical wall digging depth	4,510 (14' 10")	5,610 (18' 5")	4,790 (15' 9")	5,800 (19' 0")	5,920 (19' 5")	6,470 (21' 3")
D Max. digging height	10,170 (33' 4")	10,580 (34' 9")	10,710 (35' 2")	10,930 (35' 10")	11,030 (36' 2")	11,260 (36' 11")
E Max. dumping height	6,850 (22' 6")	7,070 (23' 2")	7,350 (24' 1")	7,490 (24' 7")	7,640 (25' 1")	7,870 (25' 10")
F Min. swing radius	4,730 (15' 6")	4,390 (14' 5")	5,110 (16' 9")	4,890 (16' 1")	4,770 (15' 8")	6,040 (19' 10")



# Lifting Capacity

## R480LC-9S

Rating over-front Rating over-side or 360 degree

Boom : 6.55m HD / Arm : 2.40 m HD / Bucket : 2.20 m³ SAE heaped / Shoe : 600mm triple grouser & 9700kg CWT

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity	Reach	
												m (ft)
7.5m (24.6 ft)	kg lb					*13480 *29720	*13480 *29720			*13020 *28700	12110 26700	6.90 (22.7)
6.0 m (19.7 ft)	kg lb			*14190 *31280	*14190 *31280	*12650 *27890	10470 23080	*12460 *27470	9690 21360			7.85 (25.8)
4.5 m (14.8 ft)	kg lb			*15620 *34440	14210 31330	*13140 *28970	10180 22440	*12230 *26960	8470 18670			8.43 (27.7)
3.0 m (9.8 ft)	kg lb			*17140 *37790	13450 29650	*13810 *30450	9810 21630	*12160 *26810	7870 17350			8.71 (28.6)
1.5 m (4.9 ft)	kg lb			*18040 *39770	12880 28400	*14250 *31420	9480 20900	*12150 *26790	7690 16950			8.72 (28.6)
Ground Line	kg lb			*17960 *39590	12580 27730	*14140 *31170	9290 20480	*12140 *26760	7910 17440			8.47 (27.8)
-1.5 m (-4.9 ft)	kg lb			*21240 *46830	19270 42480	*16790 *37020	12540 27650	*13070 *28810	8640 19050			7.93 (26.0)
-3.0 m (-9.8 ft)	kg lb	*20070 *44250	*20070 *44250	*17910 *39480	17670 38960	*14160 *31220	12730 28060	*11380 *25090	10330 22770			7.02 (23.0)
-4.5 m (-14.8 ft)	kg lb											

Boom : 6.55m HD / Arm : 2.55 m HD / Bucket : 2.20 m³ SAE heaped / Shoe : 600mm triple grouser & 9700kg CWT

Load point height m (ft)		Load radius										At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity	Reach	
														m (ft)
9.0m (29.5 ft)	kg lb											*12650 *27890	*12650 *27890	5.72 (18.8)
7.5m (24.6 ft)	kg lb					*13270 *29260	*13270 *29260					*11430 *25200	11210 24710	7.17 (23.5)
6.0 m (19.7 ft)	kg lb					*14050 *30970	*14050 *30970	*12530 *27620	10340 22800			*11030 *24320	9100 20060	8.09 (26.5)
4.5 m (14.8 ft)	kg lb			*20440 *45060	*20440 *45060	*15540 *34260	14070 31020	*13090 *28860	10050 22160			*11080 *24430	8020 17680	8.65 (28.4)
3.0 m (9.8 ft)	kg lb			*23270 *51300	19970 44030	*17130 *37770	13320 29370	*13820 *30470	9690 21360			*11510 *25380	7480 16490	8.92 (29.3)
1.5 m (4.9 ft)	kg lb					*18140 *39990	12740 28090	*14330 *31590	9370 20660			*11910 *26260	7320 16140	8.93 (29.3)
Ground Line	kg lb			*22570 *49760	18910 41690	*18170 *40060	12430 27400	*14290 *31500	9160 20190			*11880 *26190	7520 16580	8.69 (28.5)
-1.5 m (-4.9 ft)	kg lb	*16270 *35870	*16270 *35870	*21830 *48130	18970 41820	*17110 *37720	12360 27250	*13360 *29450	9120 20110			*11710 *25820	8190 18060	8.16 (26.8)
-3.0 m (-9.8 ft)	kg lb	*21500 *47400	*21500 *47400	*18470 *40720	*18470 *40720	*14650 *32300	12520 27600					*11130 *24540	9670 21320	7.28 (23.9)
-4.5 m (-14.8 ft)	kg lb			*12790 *28200	*12790 *28200							*9300 *20500	*9300 *20500	5.91 (19.4)

- Lifting capacity are based on ISO 10567.
- 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.

- The load point is a hook (standard equipment) located on the back of the bucket.
- (\*) indicates the load limited by hydraulic capacity.

# Lifting Capacity

## R480LC-9S

Rating over-front Rating over-side or 360 degree

Boom : 7.06m HD / Arm : 2.40 m HD / Bucket : 2.20 m³ SAE heaped / Shoe : 600mm triple grouser & 9700kg CWT

Load point height m (ft)		Load radius										At max. reach			
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity	Reach		
														m (ft)	
9.0m (29.5 ft)	kg lb												*12910 *28460	*12910 *28460	6.24 (20.5)
7.5m (24.6 ft)	kg lb									*11910 *26260	10560 23280		*11890 *26210	10340 22800	7.59 (24.9)
6.0 m (19.7 ft)	kg lb					*13910 *30670	*13910 *30670	*12090 *26650	10390 22910			*11460 *25260	8520 18780	8.46 (27.8)	
4.5 m (14.8 ft)	kg lb					*15500 *34170	13860 30560	*12760 *28130	10010 22070			*11270 *24850	7560 16670	9.00 (29.5)	
3.0 m (9.8 ft)	kg lb					*17030 *37540	13050 28770	*13510 *29780	9590 21140	*11480 *25310	7380 16270	*11210 *24710	7070 15590	9.26 (30.4)	
1.5 m (4.9 ft)	kg lb					*17810 *39260	12500 27560	*14000 *30860	9260 20410	*11580 *25530	7210 15900	*11200 *24690	6920 15260	9.27 (30.4)	
Ground Line	kg lb					*17630 *38870	12260 27030	*13960 *30780	9060 19970	*11240 *24780	7120 15700	*11170 *24630	7090 15630	9.04 (29.6)	
-1.5 m (-4.9 ft)	kg lb					*16550 *36490	12250 27010	*13190 *29080	9020 19890			*11040 *24340	7660 16890	8.53 (28.0)	
-3.0 m (-9.8 ft)	kg lb			*17430 *38430	*17430 *38430	*14410 *31770	12430 27400	*11120 *24520	9200 20280			*10580 *23320	8920 19670	7.70 (25.3)	
-4.5 m (-14.8 ft)	kg lb			*12850 *28330	*12850 *28330	*10290 *22690	*10290 *22690					*9190 *20260	*9190 *20260	6.41 (21.0)	

Boom : 7.06m HD / Arm : 2.90 m HD / Bucket : 2.20 m³ SAE heaped / Shoe : 600mm triple grouser & 9700kg CWT

Load point height m (ft)		Load radius										At max. reach				
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity	Reach			
														m (ft)		
9.0m (29.5 ft)	kg lb												*11100 *24470	*11100 *24470	6.86 (22.5)	
7.5m (24.6 ft)	kg lb									*11090 *24450	10700 23590		*10430 *22990	9350 20610	8.10 (26.6)	
6.0 m (19.7 ft)	kg lb							*13110 *28900	*13110 *28900	*11460 *25260	10470 23080		*10260 *22620	7840 17280	8.92 (29.3)	
4.5 m (14.8 ft)	kg lb							*14750 *32520	14030 30930	*12230 *26960	10060 22180	*10780 *23770	7570 16690	*10430 *22990	7000 15430	9.43 (30.9)
3.0 m (9.8 ft)	kg lb							*16410 *36180	13160 29010	*13080 *28840	9610 21190	*11140 *24560	7350 16200	*10490 *23130	6560 14460	9.68 (31.8)
1.5 m (4.9 ft)	kg lb							*17480 *38540	12510 27580	*13710 *30230	9220 20330	*11390 *25110	7140 15740	*10530 *23210	6410 14130	9.69 (31.8)
Ground Line	kg lb							*17630 *38870	12170 26830	*13880 *30600	8970 19780	*11310 *24930	7000 15430	*10570 *23300	6540 14420	9.47 (31.1)
-1.5 m (-4.9 ft)	kg lb			*21430 *47250	18620 41050	*16880 *37210	12080 26630	*13390 *29520	8880 19580			*10550 *23260	7010 15450	8.99 (29.5)		
-3.0 m (-9.8 ft)	kg lb	*21910 *48300	*21910 *48300	*18830 *41510	*18830 *41510	*15140 *33380	12200 26900	*11900 *26230	8970 19780			*10320 *22750	8010 17660	8.20 (26.9)		
-4.5 m (-14.8 ft)	kg lb			*14750 *32520	*14750 *32520	*11870 *26170	*11870 *26170					*9490 *20920	*9490 *20920	7.01 (23.0)		

- Lifting capacity are based on ISO 10567.
- 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.

- The load point is a hook (standard equipment) located on the back of the bucket.
- (\*) indicates the load limited by hydraulic capacity.



# Lifting Capacity

## R480LC-9S

Rating over-front Rating over-side or 360 degree

Boom : 7.06m HD / Arm : 3.38 m HD / Bucket : 2.20 m³ SAE heaped / Shoe : 600mm triple grouser & 9700kg CWT

Load point height m (ft)		Load radius										At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity	Reach	
												kg	lb	m (ft)
9.0m (29.5 ft)	kg											*7670	*7670	7.44
	lb											*16910	*16910	(24.4)
7.5m (24.6 ft)	kg						*10420	*10420				*7260	*7260	8.60
	lb						*22970	*22970				*16010	*16010	(28.2)
6.0 m (19.7 ft)	kg						*10910	*10910	*9960	7820		*7160	*7160	9.37
	lb						*24050	*24050	*21960	17240		*15790	*15790	(30.8)
4.5 m (14.8 ft)	kg			*18510	*18510	*14070	*14070	*11770	*11770	*10400	7640	*7280	6540	9.86
	lb			*40810	*40810	*31020	*31020	*25950	*25950	*22930	16840	*16050	14420	(32.4)
3.0 m (9.8 ft)	kg			*22290	20210	*15890	13410	*12730	*12730	*10860	7390	*7610	6150	10.10
	lb			*49140	44560	*35030	29560	*28060	*28060	*23940	16290	*16780	13560	(33.1)
1.5 m (4.9 ft)	kg			*16400	*16400	*17220	12690	*13500	*13500	*11240	7160	*8180	6010	10.11
	lb			*36160	*36160	*37960	27980	*29760	*29760	*24780	15790	*18030	13250	(33.2)
Ground Line	kg			*18720	18640	*17690	12270	*13860	*13860	*11330	6990	*9100	6110	9.90
	lb			*41270	41090	*39000	27050	*30560	*30560	*24980	15410	*20060	13470	(32.5)
-1.5 m (-4.9 ft)	kg	*13480	*13480	*22490	18610	*17240	12100	*13600	*13600	*10900	6920	*10130	6500	9.44
	lb	*29720	*29720	*49580	41030	*38010	26680	*29980	*29980	*24030	15260	*22330	14330	(31.0)
-3.0 m (-9.8 ft)	kg	*21440	*21440	*20180	18800	*15850	12140	*12500	*12500			*10040	7320	8.69
	lb	*47270	*47270	*44490	41450	*34940	26760	*27560	*27560			*22130	16140	(28.5)
-4.5 m (-14.8 ft)	kg	*20190	*20190	*16540	*16540	*13150	12390	*9800	*9800			*9580	9010	7.58
	lb	*44510	*44510	*36460	*36460	*28990	27320	*21610	*21610			*21120	19860	(24.9)

Boom : 9.00m HD / Arm : 6.00 m HD / Bucket : 2.20 m³ SAE heaped / Shoe : 600mm triple grouser & 10700kg CWT

Load point height m (ft)		Load radius												At max. reach								
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		10.5 m (34.4 ft)		12.0 m (39.4 ft)		13.5 m (44.3 ft)		Capacity	Reach	
																				kg	lb	m (ft)
10.5m (34.4 ft)	kg																			*2490	*2490	11.56
	lb																			*5490	*5490	(37.9)
9.0m (29.5 ft)	kg																			*3660	*3660	12.51
	lb																			*8070	*8070	(41.1)
7.5m (24.6 ft)	kg																			*5020	*5020	13.23
	lb																			*11070	*11070	(43.4)
6.0 m (19.7 ft)	kg																			*6260	*6260	13.74
	lb																			*13800	*13800	(45.1)
4.5 m (14.8 ft)	kg																			*7510	*7510	14.08
	lb																			*16560	*16560	(46.2)
3.0 m (9.8 ft)	kg					*17800	*17800	*12560	*12560	*9860	*9860	*8240	7490	*7160	5840	*6390	4630	*5070	3700	*2590	*2590	14.25
	lb					*39240	*39240	*27690	*27690	*21740	*21740	*18170	16510	*15790	12870	*14090	10210	*11180	8160	*5710	*5710	(46.7)
1.5 m (4.9 ft)	kg					*11650	*11650	*14190	12400	*10900	9110	*8910	6990	*7600	5510	*6680	4410	*5580	3560	*2770	*2770	14.26
	lb					*25680	*25680	*31280	27340	*24030	20080	*19640	15410	*16760	12150	*14730	9720	*12300	7850	*6110	*6110	(46.8)
Ground Line	kg					*10370	*10370	*15210	11520	*11660	8500	*9450	6580	*7960	5220	*6900	4220	*5620	3440	*3020	*3020	14.10
	lb					*22860	*22860	*33530	25400	*25710	18740	*20830	14510	*17550	11510	*15210	9300	*12390	7580	*6660	*6660	(46.3)
-1.5 m (-4.9 ft)	kg	*5890	*5890	*7150	*7150	*11470	*11470	*15590	11020	*12060	8090	*9770	6270	*8180	5000	*7010	4070	*4840	3350	*3370	3240	13.79
	lb	*12990	*12990	*15760	*15760	*25290	*25290	*34370	24290	*26590	17840	*21540	13820	*18030	11020	*15450	8970	*10670	7390	*7430	7140	(45.2)
-3.0 m (-9.8 ft)	kg	*7980	*7980	*9520	*9520	*13510	*13510	*15420	10790	*12100	7860	*9830	6070	*8200	4860	*6950	3970			*3870	3400	13.29
	lb	*17590	*17590	*20990	*20990	*29780	*29780	*34000	23790	*26680	17330	*21670	13380	*18080	10710	*15320	8750			*8530	7500	(43.6)
-4.5 m (-14.8 ft)	kg	*10190	*10190	*12060	*12060	*16210	*16210	*14770	10770	*11740	7770	*9580	5990	*7960	4800	*6610	3960			*4610	3700	12.60
	lb	*22470	*22470	*26590	*26590	*35740	*35740	*32560	23740	*25880	17130	*21120	13210	*17550	10580	*14570	8730			*10160	8160	(41.3)
-6.0 m (-19.7 ft)	kg	*12580	*12580	*14890	*14890	*17390	17150	*13600	10890	*10940	7830	*8940	6020	*7330	4840					*5810	4200	11.67
	lb	*27730	*27730	*32830	*32830	*38340	37810	*29980	24010	*24120	17260	*19710	13270	*16160	10670					*12810	9260	(38.3)
-7.5 m (-24.6 ft)	kg			*18170	*18170	*14800	*14800	*11810	11170	*9570	8020	*7740	6180							*6070	5060	10.44
	lb			*40060	*40060	*32630	*32630	*26040	24630	*21100	17680	*17060	13620							*13380	11160	(34.3)
-9.0 m (-29.5 ft)	kg					*11160	*11160	*9100	*9100	*7290	*7290									*5710	*5710	8.80
	lb					*24600	*24600	*20060	*20060	*16070	*16070									*12590	*12590	(28.9)

- Lifting capacity are based on ISO 10567.
- 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.
- The load point is a hook (standard equipment) located on the back of the bucket.
- (\*) indicates the load limited by hydraulic capacity.

## 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
- Radio & USB player
- Cabin roof-steel cover
- 12 volt power outlet (24V DC to 12V DC converter)
- 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
- Two outside rearview mirrors
- Fully adjustable suspension seat with seat belt
- Pilot-operated slidable joystick
- Six front working lights (4 boom mounted, 2 front frame mounted)
- Electric horn
- Batteries (2 x 12V x 200 AH)
- Battery master switch
- Removable clean-out dust net for cooler
- Automatic swing brake
- 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 (35 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
- 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 (2.55m)
- Super long arm (6m)
- Climate control
- Air conditioner only
- Heater only
- Cabin FOPS/FOG (ISO/DIS 10262) Level 2
- FOPS (Falling Object Protective Structure)
- FOG (Falling Object Guard)
- Cabin guard-Front
- Wire net
- Fine net
- Cabin lights
- Cabin front window rain guard
- Sun visor
- Track shoes
- Triple grousers shoe (700mm, 28")
- Triple grousers shoe (750mm, 30")
- Triple grousers shoe (800mm, 32")
- Triple grousers shoe (900mm, 36")
- Triple grousers shoe (Heavy duty 600 / Double grousers shoe (600mm, 24")
- Double grousers shoe (700mm, 28")
- Full track rail guard (3-piece type track rail guard)
- Lower frame under cover (Additional)
- Pre-heating system, coolant
- Tool kit
- Operator suit
- Rearview camera
- Seat
- Mechanical suspension seat with heater
- Hi-mate (Remote Management System)
- Air compressor
- Rear work lamp
- Oil washed air cleaner
- Pre cleaner
- Cat Walk
- Full Track Guard

\* 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.