

## 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  
Cabin roof-steel cover  
Radio & USB Player  
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  
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

### Two front working lights

### Electric horn

### Batteries (2 x 12V x 100 AH)

### Battery master switch

### Removable clean-out dust net for cooler

### Automatic swing brake

### Removable reservoir tank

### Fuel pre-filter with fuel warmer

### Boom holding system

### Arm holding system

### Accumulator for lowering work equipment

### Electric Transducer

### Lower frame under cover (Normal)

### Tires-dual (10.00-20-14PR)

### Travel alarm

## OPTIONAL EQUIPMENT

### Fuel filler pump (35 L/min)

### Beacon lamp

### Single-acting piping kit (breaker, etc.)

### Double-acting piping kit (clamshell, etc.)

### Quick coupler

### Booms

5.1m, 16' 9"

### Arms

2.2m, 7' 3"

2.6m, 8' 6"

3.1m, 10' 2"

### Climate control

Air conditioner only

Heater only

### Cabin FOPS/FOG (ISO/DIS 10262)

FOPS (Falling Object Protective Structure)

FOG (Falling Object Guard)

### Cabin front guard-wire net

### Cabin lights

### Cabin front window rain guard

### Sun visor

### Undercarriage

Rear outrigger

Rear dozer and front outrigger

Rear and front outrigger

Rear outrigger and front dozer

Rear dozer

### Lower frame under cover (Additional)

### Tool kit

### Operator suit

### Rearview camera

### Seat

Mechanical suspension seat with heater

### Tires - dual (10.00 - 20 solid)

### Fenders (Mudguards)

### 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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We build a better future

# Robex 170w-9s

With Tier 2 Engine installed



\*Photo may include optional 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!



# Robex 170w-9s

## Machine Walk-Around

### Engine Technology

Proven and reliable, fuel efficient Mitsubishi Tier II S6S-DT engine  
Low noise / Auto engine warm up feature / Anti-restart feature

### Hydraulic System Improvements

New patented hydraulic control system 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 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 3 solenoid valves, 1 EPPR valve, 1 check valve accumulator and pilot filter-controls safety lock, power boost, arm-in regeneration control, boom priority (swing logic valve control)  
Remotely mounted fuel, engine oil and case drain filters for maximum convenience while servicing

### Carrier

Heavy duty carrier frame with two speed powershift transmission  
Heavy duty drive line and axles / Front axle oscillation +/- 7 degrees with ram lock  
Wet disc brake (front & rear) / Automatic parking brake - spring applied, hydraulically released

### Improved Steering Column

Slim-profile steering column capable of telescoping 60 mm and tilting 30 degrees

### 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, now with new sleek styling  
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 7 series!  
Hi-Mate (Remote Management System) works through GPS/Satellite technology to ultimately provide better customer service and support

\*Photo may include optional equipment.



# 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.



## 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 a 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. Improved steering wheel telescope and tilt functions provide operators improved access. A fully automatic, high capacity airconditioning system maintains a constant preferred temperature.



## 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, 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 9S 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 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 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.

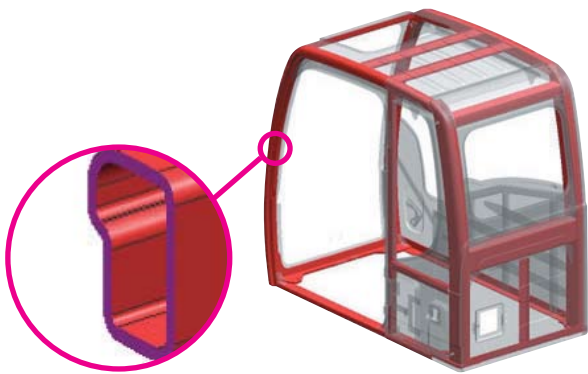


# Performance

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



\*Photo may include optional equipment.



## Structural Strength

The 9S series cabin structure has been fitted with stronger but slimmer tubing for more safety and better visibility. Low-stress and high strength steel was integrally welded to form a strong and stable lower frame. Structural durability was evaluated and tested by means of FEM (Finite Elements Method) analysis and long-term durability tests.



## Improved Durability

9S series excavators are equipped with stainless spring guards to protect the hoses from external damages. Both dozer and outrigger are equipped with cylinder guards for added protection.

## New and Improved Travel System

Auto cruise control system reduces operator fatigue by maintaining a fixed speed when driving distances.

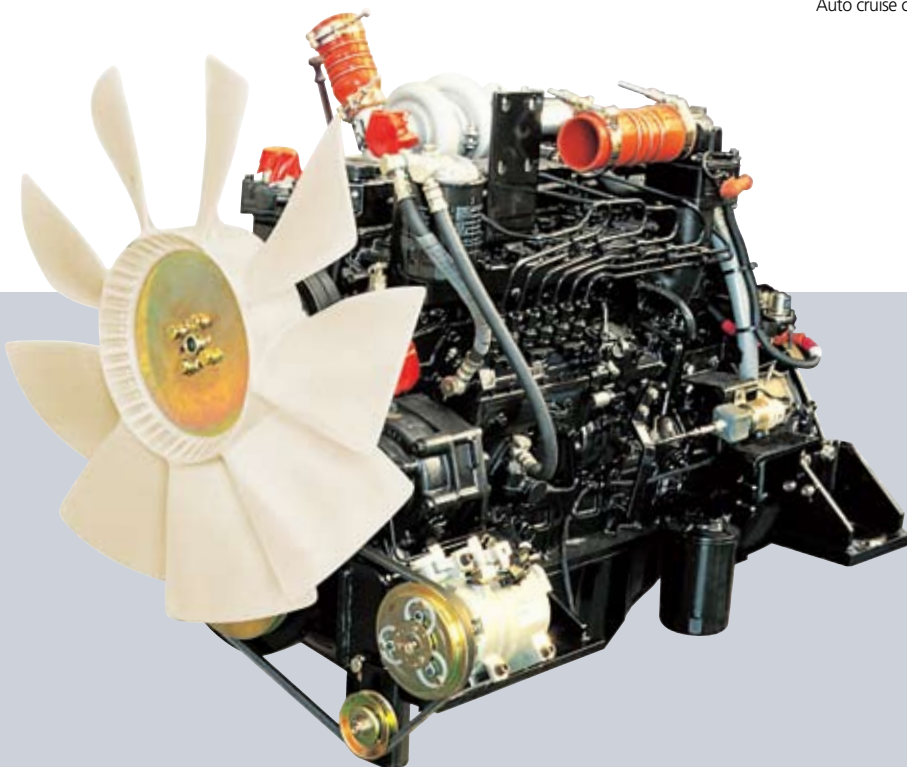
A new auto ram lock system is available to improve operating safety.

A new optional forward / reverse travel pedal control allows operators to choose to use the travel pedal control while in work mode or lever control when in travel mode.



Auto cruise control system

Auto ram lock system



## Mitsubishi S6S-DT Engine

Mitsubishi S6S-DT engine is ideal solution for the toughest work environment.

The engine is built from a cast iron, skirted block with main bearing support between each cylinder. This combination provides maximum strength, rigidity, and crankshaft support. Special liquid cooling results in uniform temperature distribution.



# Profitability

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



\*Photo may include optional equipment.

## Fuel Efficiency

9S Series excavators are engineered to be extremely fuel efficient. New innovations like three-stage auto decel system and the new economy mode help to conserve fuel and reduce the impact on the environment.



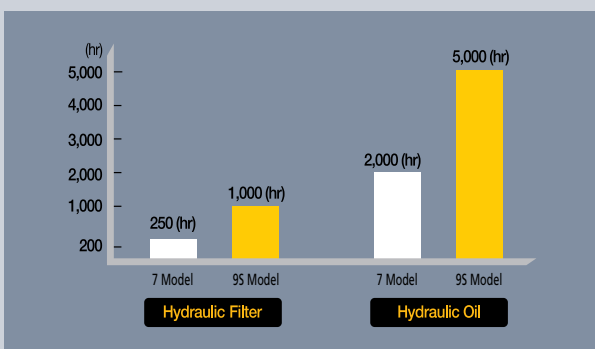
## Hi-mate (Remote Management System)

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.



## 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.



## Extended Life Components

9S 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 downtime.



# Specifications

## ENGINE

MODEL		MITSUBISHI S65-DT	
Type		Water cooled, 4 cycle diesel 6-cylinders in line, direct injection, Turbocharged, charger air cooled low emission	
Rated flywheel horsepower	SAE	J1995 (gross)	126 HP (94kW) at 2,100 rpm
		J1349 (net)	116 HP (87kW) at 2,100 rpm
	DIN	6271/1 (gross)	128 PS (94kW) at 2,100 rpm
		6271/1 (net)	118 PS (87kW) at 2,100 rpm
Max. torque		42.5 kgf-m(307 lbf-ft) at 1,400 rpm	
Bore X stroke		94 x 120 mm (3.70" x 4.72")	
Piston displacement		4,996 cc (305 in <sup>3</sup> )	
Batteries		2 x 12 V x 100 AH	
Starting motor		24V-5.0 kW	
Alternator		24V-50 Amp	

## HYDRAULIC SYSTEM

MAIN PUMP	
Type	Two variable displacement piston pumps
Rated flow	2 X 168 L/min (44.5 US gpm/37 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 <sup>2</sup> (4,970 psi)
Travel	380 kgf/cm <sup>2</sup> (5,400 psi)
Power boost (boom, arm, bucket)	380 kgf/cm <sup>2</sup> (5,400 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 : 2-115 x 1,090 mm (4.5" x 42.9")
	Arm : 1-120 x 1,355 mm (4.7" x 53.3")
	Bucket : 1-110 x 995 mm (4.3" x 39.2")
	Blade : 2-110 x 235 mm (4.3" x 9.3")
	Outrigger : 2-125 x 475 mm (4.9" x 18.7")

## DRIVES & BRAKES

4-wheel hydrostatic drive. Constant mesh, helical gear transmission provides 2 forward and reverse travel speeds.

Max. drawbar pull	8,500 kgf (18,740 lbf)	
Travel speed	1st	8.4 km/h (5.2 mph)
	2nd	30 km/h (18.6 mph)
Gradeability	35%(70 %)	

Parking brake : Independent dual brake, front and rear axle full hydraulic power brake.

- Spring released and hydraulic applied wet type multiple disk brake.
- Transmission is locked at neutral position for parking, automatically.

## 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)
Engine throttle	Electric, Dial type

## AXLE & WHEEL

Full floating front axle is supported by center pin for oscillation. It can be locked by oscillation lock cylinders. Rear axle is fixed on the lower chassis.

Tires	10.00-20-14PR, Dual(tube type)
(optional)	10.00-20, Dual(solid type)

## SWING SYSTEM

Swing motor	Fixed displacement axial pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake(option)	Multi wet disc
Swing speed	11 rpm

## STEERING SYSTEM

Hydraulically actuated, orbitrol type steering system actuates on front wheels through the steering cylinders.

Min. turning radius	6,300 mm(20' 8")
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## COOLANT & LUBRICANT CAPACITY

	liter	US gal	UK gal	
Re-filling				
Fuel tank	270.0	71.3	59.4	
Engine coolant	22.0	5.8	4.8	
Engine oil	16.5	4.4	3.6	
Swing device - gear oil	5.0	1.3	1.1	
Axle	Front	15.5	4.1	3.4
	Rear	20.1	5.3	4.4
Hydraulic system (including tank)	210.0	55.5	46.2	
Hydraulic tank	124.0	32.8	27.3	

## UNDERCARRIAGE

Reinforced box-section frame is all-welded, low-stress.

Dozer blade and outriggers are available. A pin-on design.

Dozer blade	A very useful addition for leveling and back filling or clean-up work.
Outrigger	Indicated for max. operation stability when digging and lifting. Can be mounted on the front or the rear.

## OPERATING WEIGHT (APPROXIMATE)

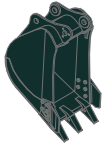
Operating weight, including 5,100mm (16' 9") Mono boom, 2,200mm (7' 3") arm, SAE heaped 0.76m<sup>3</sup> (0.99yd<sup>3</sup>) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

MAJOR COMPONENT WEIGHT	
Upperstructure	4,590 kg (10,120 lb)
Mono boom(with arm cylinder)	1,240 kg (2,730 lb)

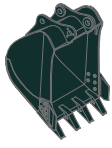
OPERATING WEIGHT	
Undercarriage	Mono boom
Rear dozer blade	17,300 kg (38,140 lb)
Rear outrigger	17,450 kg (38,470 lb)
Front outrigger and rear blade	18,420 kg (40,610 lb)
Front blade and rear outrigger	18,360 kg (40,480 lb)
Four outrigger	18,600 kg (41,010 lb)

## BUCKETS

All buckets are welded with high-strength steel.



0.39 (0.51)



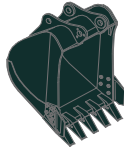
0.50 (0.65)



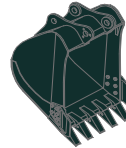
0.64 (0.84)



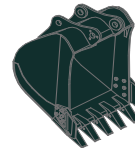
0.76 (0.99)



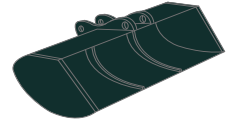
0.89 (1.16)



1.05 (1.37)



● 0.69 (0.90)



★ 0.75 (0.98)

SAE heaped m<sup>3</sup> (yd<sup>3</sup>)

Capacity m <sup>3</sup> (yd <sup>3</sup> )		Width mm (in)		Weight kg (lb)	Recommendation mm (ft-in)		
SAE heaped	CECE heaped	Without sidecutters	With sidecutters		5,100 (16' 9") Mono Boom		
					2,200 (7' 3") Arm	2,600 (8' 6") Arm	3,100 (10' 2") Arm
0.39 (0.51)	0.34(0.44)	620(24.4)	740(29.1)	410(900)	●	●	●
0.50 (0.65)	0.44(0.58)	760(29.9)	880(34.6)	470(1040)	●	●	■
0.64 (0.84)	0.55(0.72)	920(36.2)	1,040(40.9)	510(1120)	●	●	■
0.76 (0.99)	0.65(0.85)	1,060(41.7)	1,180(46.5)	570(1260)	●	■	■
0.89 (1.16)	0.77(1.01)	1,220(48.0)	1,340(52.8)	610(1340)	■	▲	-
1.05 (1.37)	0.90(1.18)	1,400(55.1)	1,520(59.8)	680(1500)	▲	-	-
● 0.69 (0.90)	0.62(0.81)	990(39.0)	-	700(1540)	●	▲	▲
★ 0.75 (0.98)	0.65(0.85)	1,800(70.9)	-	540(1190)	●	■	■

● Heavy duty bucket

★ Ditching bucket

● : Applicable for materials with density of 2,000 kg /m<sup>3</sup> (3,370 lb/ yd<sup>3</sup>) or less

■ : Applicable for materials with density of 1,600 kg /m<sup>3</sup> (2,700 lb/ yd<sup>3</sup>) or less

▲ : Applicable for materials with density of 1,100 kg /m<sup>3</sup> (1,850 lb/ yd<sup>3</sup>) or less

## ATTACHMENT

Boom and arms are welded with a low-stress, full-box section design. 5.1m (16' 9") boom, and 2.2m (7' 3"), 2.6m (8' 6"), 3.1m (10' 2") arms.

## DIGGING FORCE

Boom	Length	mm (ft-in)	5,100 (16' 9")			Remarks
	Weight	kg (lb)	1,240 (2,730)			
Arm	Length	mm (ft-in)	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")	Power Boost
	Weight	kg (lb)	750 (1,560)	810 (1,790)	890 (1,960)	
Bucket digging force	SAE	kN	107.9 [117.2]	107.9 [117.2]	107.9 [117.2]	[ ]: Power Boost
		kgf	11,000 [11,940]	11,000 [11,940]	11,000 [11,940]	
		lbf	24,250 [26,330]	24,250 [26,330]	24,250 [26,330]	
	ISO	kN	123.6 [134.2]	123.6 [134.2]	123.6 [134.2]	
		kgf	12,600 [13,680]	12,600 [13,680]	12,600 [13,680]	
		lbf	27,780 [30,160]	27,780 [30,160]	27,780 [30,160]	
Arm crowd force	SAE	kN	87.2 [94.7]	77.3 [83.9]	69.0 [74.9]	[ ]: Power Boost
		kgf	8,890 [9,650]	7,880 [8,560]	7,030 [7,630]	
		lbf	19,600 [21,280]	17,270 [18,860]	15,500 [16,830]	
	ISO	kN	91.0 [98.8]	80.3 [87.2]	71.4 [77.5]	
		kgf	9,280 [10,080]	8,190 [8,890]	7,280 [7,900]	
		lbf	20,460 [22,210]	18,060 [19,600]	16,050 [17,430]	

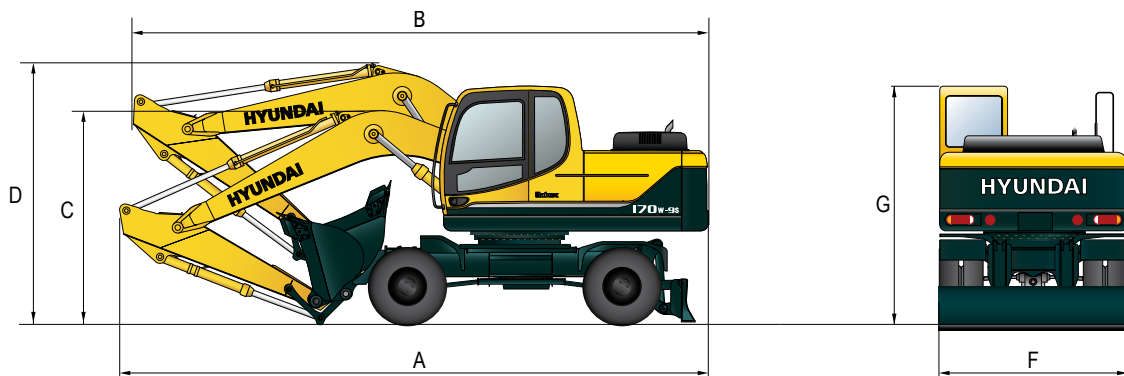
Note: Boom weight includes arm cylinder, piping, and pin

Arm weight includes bucket cylinder, linkage, and pin



# Dimensions & Working Range

## R170W-9S DIMENSIONS

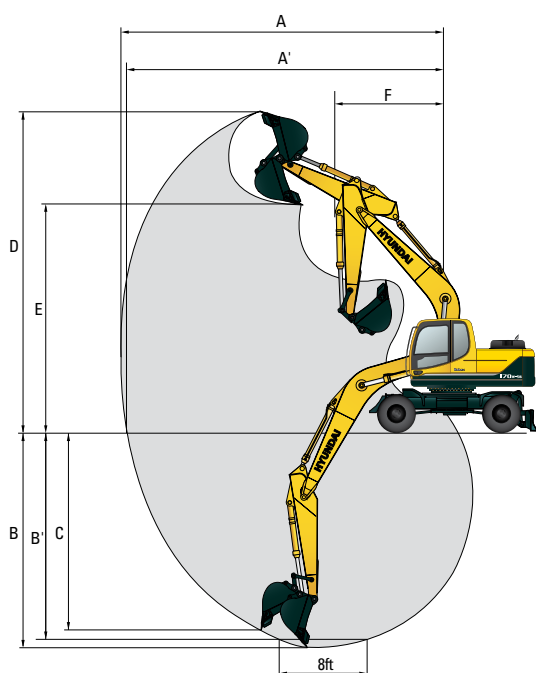


Unit : mm (ft · in)

Mono Boom		5,100(16' 9")	
Arm	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")
A Overall length of shipping position	8,650 (28' 5")	8,730 (28' 8")	8,760 (28' 9")
B Overall length of traveling position	8,590 (28' 2")	8,400 (27' 7")	8,480 (27' 10")
C Height of attachment (shipping position)	3,060 (10' 0")	3,020 (9' 11")	3,150 (10' 4")
D Height of attachment (traveling position)	3,610 (11' 10")	3,940 (12' 11")	3,900 (12' 10")
F Overall width	2,500 (8' 2")	2,500 (8' 2")	2,500 (8' 2")
G Height of cabin	3,190 (10' 6")	3,190 (10' 6")	3,190 (10' 6")

## R170W-9S WORKING RANGE

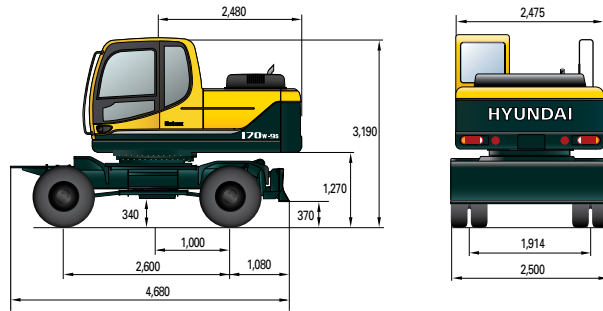
Unit : mm (ft · in)



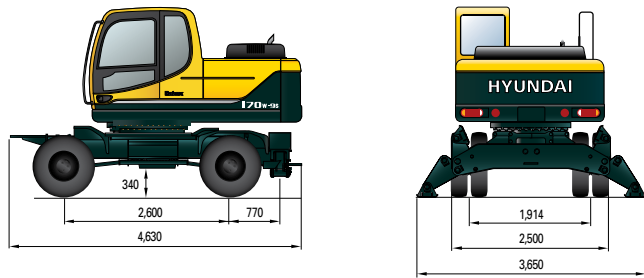
Boom length		5,100 (16' 9")	
Arm length	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")
A Max. digging reach	8,690 (28' 6")	9,020 (29' 7")	9,450 (31' 0")
A' Max. digging reach on ground	8,480 (27' 10")	8,810 (28' 11")	9,250 (30' 4")
B Max. digging depth	5,420 (17' 9")	5,820 (19' 1")	6,320 (20' 9")
B' Max. digging depth (8' level)	5,200 (17' 1")	5,620 (18' 5")	6,130 (20' 1")
C Max. vertical wall digging depth	4,890 (16' 1")	5,140 (16' 10")	5,470 (17' 11")
D Max. digging height	8,990 (29' 6")	9,070 (29' 9")	9,220 (30' 3")
E Max. dumping height	6,350 (20' 10")	6,460 (21' 2")	6,620 (21' 9")
F Min. swing radius	3,180 (10' 5")	3,170 (10' 5")	3,160 (10' 4")

# Undercarriage

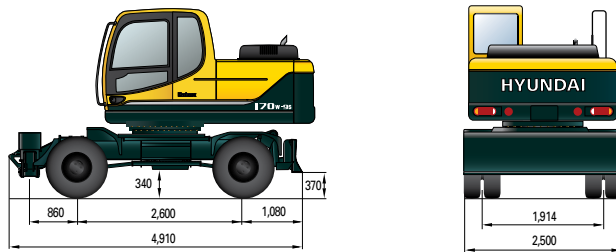
**R170W-9S WITH REAR DOZER AND FRONT REST**



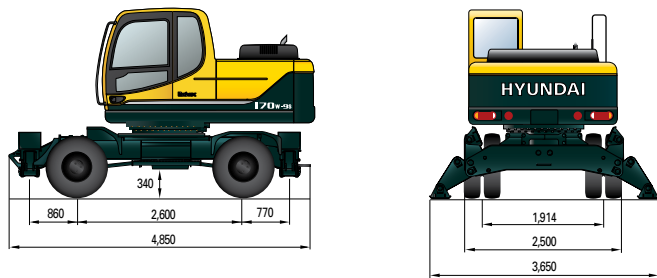
**R170W-9S WITH REAR OUTRIGGER AND FRONT REST**



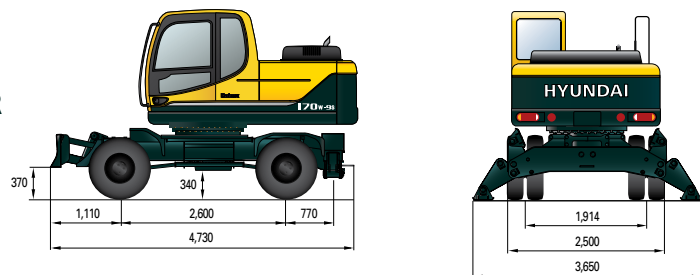
**R170W-9S WITH REAR DOZER AND FRONT OUTRIGGER**



**R170W-9S WITH REAR AND FRONT OUTRIGGER**



**R170W-9S WITH REAR OUTRIGGER AND FRONT DOZER**













# Lifting Capacity













## R170W-9S

 Rating over-front  Rating over-side or 360 degree

Boom : 5.1 m (16' 9") / Arm : 2.2 m (7' 3") / Bucket : 0.76 m<sup>3</sup> (0.99 yd<sup>3</sup>) SAE heaped / With rear dozer blade down

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)		Capacity		Reach
												m (ft)
7.5 m (25 ft)	kg lb									*3710 *8180	3020 6660	5.89 (19.3)
6.0 m (20 ft)	kg lb							*3340 *7360	2830 6240	*3660 *8070	2080 4590	7.15 (23.5)
4.5 m (15 ft)	kg lb					*4730 *10430	4550 10030	*4170 *9190	2770 6110	*3690 *8140	1680 3700	7.86 (25.8)
3.0 m (10 ft)	kg lb			*9740 *21470	7880 17370	*6000 *13230	4190 9240	*4690 *10340	2630 5800	3430 7560	1500 3310	8.19 (26.9)
1.5 m (5 ft)	kg lb					*7180 *15830	3850 8490	*5230 *11530	2470 5450	3380 7450	1460 3220	8.19 (26.9)
Ground Line	kg lb			*7660 *16890	6950 15320	*7720 *17020	3660 8070	5520 12170	2360 5200	3580 7890	1540 3400	7.87 (25.8)
-1.5 m (-5 ft)	kg lb	*7650 *16870	*7650 *16870	*11110 *24490	7010 15450	*7510 *16560	3620 7980	*5380 *11860	2330 5140	*3950 *8710	1820 4010	7.18 (23.6)
-3.0 m (-10 ft)	kg lb	*12010 *26480	*12010 *26480	*9250 *20390	7190 15850	*6410 *14130	3700 8160			*3660 *8070	2540 5600	5.95 (19.5)

Boom : 5.1 m (16' 9") / Arm : 2.6 m (8' 6") / Bucket : 0.76 m<sup>3</sup> (0.99 yd<sup>3</sup>) SAE heaped / With rear dozer blade down

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)		Capacity		Reach		
														m (ft)		
7.5 m (25 ft)	kg lb													*3360 *7410	2640 5820	6.37 (20.9)
6.0 m (20 ft)	kg lb							*3250 *7170	2870 6330					*3360 *7410	1880 4140	7.53 (24.7)
4.5 m (15 ft)	kg lb							*3830 *8440	2790 6150					*3420 *7540	1530 3370	8.20 (26.9)
3.0 m (10 ft)	kg lb			*8540 *18830	8180 18030	*5530 *12190	4240 9350	*4400 *9700	2630 5800	*2990 *6590	1740 3840	3190 7030	1370 3020	8.52 (28.0)		
1.5 m (5 ft)	kg lb			*7620 *16800	7180 15830	*6830 *15060	3860 8510	*5010 *11050	2460 5420	*3710 *8180	1660 3660	3140 6920	1330 2930	8.52 (28.0)		
Ground Line	kg lb			*8230 *18140	6890 15190	*7570 *16690	3630 8000	*5420 *11950	2330 5140	*3250 *7170	1610 3550	3300 7280	1390 3060	8.22 (27.0)		
-1.5 m (-5 ft)	kg lb	*7190 *15850	*7190 *15850	*11280 *24870	6890 15190	*7570 *16690	3550 7830	5420 11950	2270 5000					3780 8330	1620 3570	7.56 (24.8)
-3.0 m (-10 ft)	kg lb	*10590 *23350	*10590 *23350	*9950 *21940	7030 15500	*6760 *14900	3590 7910	*4660 *10270	2320 5110					*3700 *8160	2180 4810	6.43 (21.1)
-4.5 m (-15 ft)	kg lb			*6800 *14990	*6800 *14990											

- Lifting capacity is based on SAE J1097, 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 located on the back of the bucket.
- (\*) indicates the load limited by hydraulic capacity.



