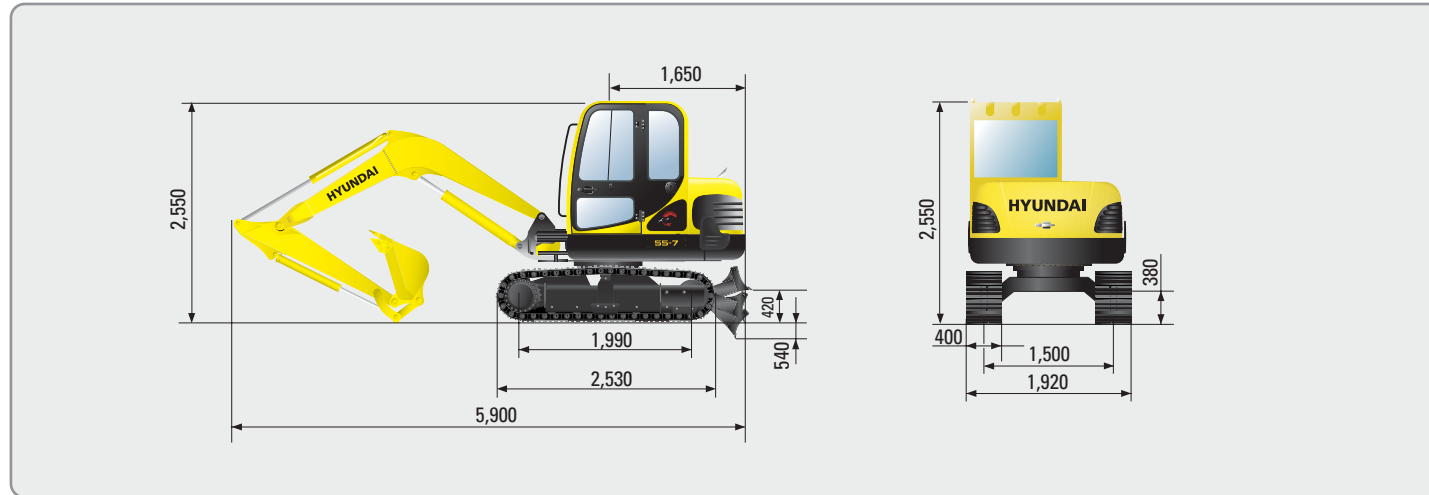
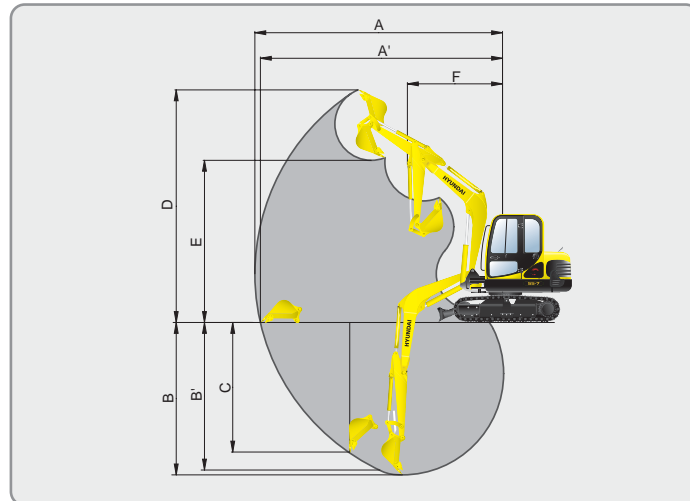


Dimensions



Working ranges



	3,000 mm(9' 10")	
Boom length	3,000 mm(9' 10")	
Arm length	1,600 mm(5' 3")	1,900 mm(6' 3")
A Max. digging reach	6,150 mm(20' 2")	6,400 mm(21' 0")
A' Max. digging reach at ground	6,010 mm(19' 9")	6,270 mm(20' 7")
B Max. digging depth	3,820 mm(12' 6")	4,060 mm(13' 4")
B' Max. digging depth(8ft level)	3,420 mm(11' 3")	3,700 mm(12' 2")
C Max. vertical wall digging depth	3,200 mm(10' 6")	3,460 mm(11' 4")
D Max. digging height	5,780 mm(18' 12")	5,920 mm(19' 5")
E Max. dumping height	4,050 mm(13' 3")	4,180 mm(13' 9")
F Min. front radius	2,350 mm(7' 9")	2,360 mm(7' 9")

Standard Equipment

ISO standard cabin

- Cabin ROPS(ISO 3471)
- FOPS(ISO 3449)
- TOPS(ISO 12117)
- All-weather steel cab with all-around visibility
- Safety glass windows
- Sliding fold-in front window
- Sliding side window
- Lockable door
- Accessory box & Ash-tray

Heater & Defroster

Centralized monitoring

- Engine speed
- Gauges
 - Fuel level gauge
 - Engine coolant temperature gauge
- Warning
 - Engine coolant & Fuel level
 - Engine oil pressure
 - Engine coolant temperature
 - Hyd. oil temperature
 - Low battery
 - Air cleaner closing

Door and cab locks, one key

- AM/FM radio and cassette
- Outside rear view mirror
- Fully adjustable suspension seat with seat belt
- Console box tilting system(LH.)
- Four front working lights
- Electric horn
- Battery (1 x 12 V x 100 AH)
- Battery master switch
- 12 volt power supply(DC-DC converter)
- Removable clean out screen for radiator
- Automatic swing brake
- Removable reservoir tank
- Water separator, fuel line
- Counterweight (210 kg, 460 lb)
- Mono boom (3.0 m, 9'10")
- Arm (1.6 m, 5' 3")
- Track shoes (400 mm, 15.7")
- Track rail guard

Optional Equipment

- Air-conditioner(4000 kcal/hr, 16000BTU/hr)
- Fuel filler pump(35 ℓ /min, 9.2 US gpm)
- Beacon lamp
- Single acting piping kit(breaker, etc)
- Double acting piping kit(clamshell, etc)
- Accumulator, work equipment lowering
- Electric transducer
- Travel alarm
- Quick coupler
- Rubber crawler (400mm, 16")
- Narrow bucket(0.07m³, 0.09yd³)
- Arm (1.9m)
- Tool kit
- Operator suit
- Mechanical suspension seat with heater
- Lever pattern change valve

Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine shown may vary according to International standards. All US measurement are rounded off to nearest pound or inch.

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PLEASE CONTACT

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2009. 01 Rev. 6



Some of the Photo may include optional equipment.

Hyundai MINI EXCAVATOR Applied Tier 2 Engine

55-7

HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

We build a better future



Hyundai Robex 55-7

Maximized Workability

Comfortable Operating Environment

Advanced Hydraulic System

Enhanced Durability & Reliability

Improved Fuel Efficiency

■ Some of the Photo may include optional equipment.

Technology in Cab Design

Wide, Comfortable Operating Space

All the controls are designed and positioned according to the latest ergonomic research. Reinforced pillars have also been added for greater cab rigidity.



Reliable Instrument Panel

All information from the devices such as engine RPM, engine water temp, fuel status and the state of all types of electric switches provide the operator with an exact condition of machine. This feature makes troubleshooting much easier.

Various Storage Spaces Inside Cabin



Radio & Cassette Player

Standard Deluxe radio & cassette player are installed.



Some of the features may include optional equipment.

Convenient and Comfortable Space



Wide Cab with Excellent Visibility

The cab is roomy and ergonomically designed with low noise level and good visibility. A full view front window and large rear and side windows provide excellent visibility in all directions.

High-output Air Conditioner & Heater

Large capacity air conditioning system is installed for operator's comfort in all climate. For more convenience, the cab is equipped with defroster for the cold seasons.

Sensitive Joystick and Easy Entrance

New joystick grips for precise and convenient control. The large door allows the operator to enter and exit easily.

Sliding Side Window

The sliding side window provides more convenience for the operator without having to opening the door.



Big Sized Sun Visor & Top Glass

The big sun visor and top glass are installed on the top of the front window to block direct sunlight and increase operator's visibility.

■ Top Glass : Bronze color and laminated glass

Wiper

User can switch intermittent wiper out function.

Easy to Open Front Window

Sliding fold-in front window is easily opened and safely maintained in open position to improve the working condition.

Smooth Travel Pedals and Foot Rests

Travel pedals and levers are equipped with ergonomically designed foot rests. It enables the operator to work easily and quickly.

**Unparalleled Technology of R55-7.
It will fulfill your dreams**



Some of the photo may include optional equipment.

The Highest Engine Power in its Class **Tier II**

YANMAR 4TNV94L

53 HP / 2,200 rpm

Yanmar 4TNV94L engine provides 20.6 kgf-m (149 lbf-ft) of maximum torque with 53 HP at 2,200rpm of rated power. This means the R55-7 runs with the most power in its class, giving you more power to get the job done.



Powerful & Dynamic Work !

Hyundai Mini Excavator R55-7

Boom Swing



The R55-7 is designed for efficient work in congested residential and urban areas. The offset boom is designed with a 130 degree operating range.



Powerful and Dynamic Work!



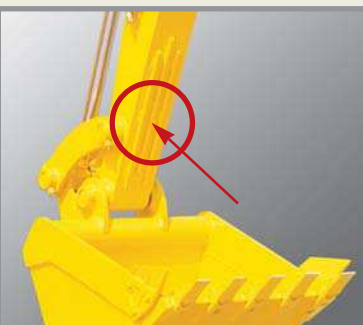
Exceptional Traction and Lifting Capacity

The considerable traction and lifting capacity enable all work to be done quickly.



Reinforced Bucket

The design includes bucket link durability and anti-wear characteristics with additional reinforcement plates on cutting edge section. Reinforced bucket is made with thicker steel and additional lateral plate.



Reinforced Arm

Reinforcements are welded to protect the arm from impacts and wear.



Slope-type Side Member

Applied slope type side member prevents soil stocking and extends life of the machine.



Impressive Gradeability

35 degree(70%) of high gradeability and long tumbler distance may be easier to work at slope area.



Centralized Grease Fittings

Grease fittings are highlighted and centralized for fast access when doing your service checks. Save time and money during routine maintenance.



Installation for Breaker Operation

Overload relief valve and pipes are installed as standard for customer's convenience.



Offset Boom Swing

The R55-7 is designed for efficient work in congested residential and urban areas. The boom can be offset within a range of 130 degrees.

Increased Higher Performance and Durability

Strong and Stable Lower Frame



Reinforced box-section frame is all welded with low-stress and high-strength. It guarantees safety and resistance through high tensile strength steel panels, with highly durable upper and lower rollers and track guards against external impact when driving on rough terrain.



Performance and Durability

<p>Arrangement Between Bucket and Blade</p> <p>The bucket is designed to minimize the gap with blade. This feature improves working efficiency in grading.</p>	<p>Powerful Dozer Blade</p> <p>Large size blade improves work efficiency and equipment durability.</p>	<p>Tough, Durable Undercarriage</p> <p>The R55-7 has an undercarriage constructed with tough, durable, robotically-welded steel. Tapered, upper roller side supports were installed to keep tracks properly aligned at all times.</p>

<p>Rectangular Tube Cabin</p> <p>The cabin style protects the operator against falling objects, ensuring operator safety. (ROPS, FOPS, TOPS STD.)</p>	<p>FEM(Finite Element Method)</p> <p>Durability of structure is proven through FEM(Finite Element Method) analysis and long term durability test.</p>	<p>Applied Side Protector</p> <p>When the machine turns, the side protector prevents any damage to engine hood.</p>	<p>Large Capacity Radiator</p> <p>To improve the performance in overload or continual work, large capacity radiator was installed.</p>

Reliability and Serviceability



■ Some of the Photo may include optional equipment.

Reliability and Serviceability

Easy to Maintain Engine Components	Easy Change Air Cleaner	Easy to Fill up with Fuel(Optional)	Large Capacity Water Separator & Fuel Filter
The R55-7 was built with accessibility in mind. All doors, covers and hoods were built for complete open access. You'll find that the R55-7 offers plenty of space to complete your regular maintenance and service hassle-free.	The R55-7 is fitted with durable plastic air cleaner for easy maintenance and quick service.	The Fuel filler pump provide easy filling of fuel tank from other tanks by electric device.	To protect the injection system and minimize the risks of fuel breakdowns, high capacity fuel filter and transparent water separator is applied for durability.

Centralized Fuse Box	Large Capacity Fuel and Hydraulic Tank	Battery Master Switch	Powerful and Precise Swing Control
Fuse box is arranged on the rear of seat for easy service.	The capacity of fuel and hydraulic tank is increased to extend the working time.	The battery master switch enables checking and maintaining the battery while minimizing the discharge of battery.	Improved shock absorbing characteristics makes stopping a precise and smooth action.

Specifications

Engine

Model		Yanmar 4TNV94L	
Type		Water cooled, 4 cycle Diesel 4 cylinders in line, direct injection, low emission	
Rated flywheel horse power	SAE	J1995 (gross)	53 HP (40 kW) at 2200 rpm
		J1349 (net)	52 HP (39 kW) at 2200 rpm
	DIN	6271/1 (gross)	54 PS (39 kW) at 2200 rpm
		6271/1 (net)	53 PS (39 kW) at 2200 rpm
Max. torque		20.6 kgf·m (149 lbf·ft) at 1400 rpm	
Bore x stroke		94 mm (3.70") x 110 mm (4.33")	
Displacement		3054 cc (186 cu in)	
Battery		1 x 12 V x 100 AH	
Starter motor		12V-3.0 kW	
Alternator		12V-60 A	

Hydraulic System

Main pump	
Type	Two Variable displacement piston pumps
Rated flow	2 x 55 ℓ /min(14.5 US gpm/12 UK gpm)
Sub-pump for pilot circuit	Gear pump

Hydraulic motors	
Travel	Two speed axial piston motor with counter balance valve and parking brake
Swing	Axial piston motor with automatic brake

Relief valve setting	
Implement circuits	220 kgf/cm ² (3130 psi)
Travel circuit	220 kgf/cm ² (3130 psi)
Swing circuit	220 kgf/cm ² (3060 psi)
Pilot circuit	30 kgf/cm ² (430 psi)
Service valve	Installed

Hydraulic cylinders	
No. of cylinder-bore x stroke	Boom : 1 - 110 x 715 mm (4.3" x 28.1")
	Arm : 1 - 90 x 850 mm (3.5" x 33.5")
	Bucket : 1 - 80 x 660 mm (3.1" x 26.0")
	Boom swing : 1 - 95 x 527 mm (3.7" x 20.7")
Dozer blade : 1 - 110 x 214 mm (4.3" x 8.4")	

Drives & Brakes

Drive method	Full hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	5,300 kgf (11,700 lbf)
Max. travel speed(high) / (low)	4.1 km/hr (2.5 mph) / 2.2 km/hr (1.4 mph)
Gradeability	35° (70%)
Parking brake	Multi-wet disc

Swing System

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing circuit lubrication	Grease - bathed
Swing brake	Multi wet disc
Swing speed	9.3 rpm

Control

Pilot pressure-operated joysticks and pedal 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	Mechanical, cable type
External Lights	Two lights mounted on the boom one below the cab

Coolant & Lubricant Capacity

(refilling)	liter	US gal	UK gal
Fuel tank	120.0	31.7	26.4
Engine coolant	10.0	2.6	2.2
Engine oil	9.2	2.4	2.0
Swing device-gear oil	1.5	0.4	0.3
Final drive(each)	1.2	0.3	0.2
Hydraulic tank	70.0	18.5	15.4
Hydraulic system	120.0	31.7	26.4

Undercarriage

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

Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	40
No. of carrier roller on each side	1
No. of track roller on each side	5

Operating Weight (approximate)

Operating weight, including 3,000 mm (9' 6") boom, 1,600 mm (5' 3") arm, SAE heaped 0.18 m³ (0.24 yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight	
Upper structure	2,160 kg (4,760 lb)
Counterweight	210 kg (460 lb)
Mono boom(with arm cylinder)	310 kg (680 lb)

Operating Weight

Shoes(Triple grouser)	Operating weight	Ground pressure
mm (in)	kg (lb)	kgf/cm ² (psi)
400 (16")	5,700 (12,570)	0.33(4.69)

Buckets

Capacity		Width		Weight	3.0m (9' 10") Boom	
SAE heaped	CECE heaped	Without side cutters	With side cutters		1.6m (5' 3") arm	
0.07 m ³ (0.09 yd ³)	0.06 m ³ (0.08 yd ³)	315 mm(12.4")	360 mm(14.2")	84 kg(185 lb)	■	
*0.18 m ³ (0.24 yd ³)	0.15 m ³ (0.20 yd ³)	705 mm(27.8")	770 mm(30.3")	137 kg(300 lb)	■	

* : Standard backhoe bucket ■ Applicable for materials with density 1600 kg/m³ (2,700 lb/yd³) or less



Arm	Length	* 1,600 mm (5' 3")		1,900 mm (6' 3")	
		Weight	210 kg (460 lb)	230 kg (510 lb)	
Bucket digging force	SAE	37.7 kN	37.7 kN		
		8490 lbf	8490 lbf		
Arm crowd force	ISO	42.4 kN	42.4 kN		
		9550 lbf	9550 lbf		
SAE	ISO	28.4 kN	25.5 kN		
		6390 lbf	5730 lbf		
SAE	ISO	31.9 kN	28.7 kN		
		7190 lbf	6460 lbf		

* : Standard Arm(Arm weight including cylinder and linkage)

Lifting Capacities R55-7



• Boom : 3.0m (9' 10") • Arm : 1.6m (5' 3") • Bucket : 0.18 m³ (0.24 yd³) SAE heaped • Shoe : Dozer blade up with 210 kg (460 lb) Counterweight

Load point height m(ft)	kg lb	Load radius								At max. reach		m (ft)
		2.0m(6' 7")		3.0m(9' 10")		4.0m(13' 1")		5.0m(16' 5")		Capacity	Reach	
		Icon	Icon	Icon	Icon	Icon	Icon	Icon	Icon	Icon	Icon	
5.0m (16' 5")	kg									*950	*950	4.12
4.0m (13' 1")	kg					*1020	*1020			*2090	*2090	(13.5)
3.0m (9' 10")	kg					*1090	1070			*980	730	5.07
2.0m (6' 7")	kg	*3060	*3060	*1690	1610	*2400	2360			*2160	1610	(16.6)
1.0m (3' 3")	kg			2230	1490	1420	970	1000	680	880	600	5.59
Ground Line	kg	*2340	*2340	4920	3280	3130	2140	2200	1500	1940	1320	(18.3)
-1.0m (-3' 3")	kg	*3600	2760	2140	1410	1360	920	1030	710	810	550	5.83
-2.0m (-6' 7")	kg	*6750	*6750	*3730	3550	*2930	2250	2270	1570	1790	1210	(19.1)
-3.0m (-9' 10")	kg			4920	3280	3130	2140	2200	1500	1740	1190	(19.2)
-1.0m (-3' 3")	kg			2230	1490	1420	970	1000	680	790	540	5.84
-2.0m (-6' 7")	kg			4920	3280	3130	2140	2200	1500	1740	1190	(19.2)
-3.0m (-9' 10")	kg	*2340	*2340	4760	3150	3040	2050	2180	1480	1850	1230	(18.4)
-1.0m (-3' 3")	kg			2140	1410	1360	920	990	670	960	650	5.13
-2.0m (-6' 7")	kg	*7940	6080	4720	3110	3000	2030			*2120	1430	(16.8)
-3.0m (-9' 10")	kg	*3780	2800	2160	1430					*1150	900	4.22
-3.0m (-9' 10")	kg	*4540	*4540	4760	3150					*2540	1980	(13.8)

• Boom : 3.0m (9' 10") • Arm : 1.9m (6' 3") • Bucket : 0.18 m³ (0.24 yd³) SAE heaped • Shoe : Dozer blade up with 210 kg (460 lb) Counterweight

Load point height m(ft)	kg lb	Load radius								At max. reach		m (ft)
		2.0m(6' 7")		3.0m(9' 10")		4.0m(13' 1")		5.0m(16' 5")		Capacity	Reach	
		Icon	Icon	Icon	Icon	Icon	Icon	Icon	Icon	Icon	Icon	
5.0m (16' 5")	kg									*870	*870	4.56
4.0m (13' 1")	kg									*1920	*1920	(15.0)
3.0m (9' 10")	kg									*900	650	5.41
2.0m (6' 7")	kg					*950	*950	*1000	730	*1980	1430	(17.7)
1.0m (3' 3")	kg					*2090	*2090	*2200	1610	810	550	5.89
Ground Line	kg					*2090	*2090	*2200	1610	1790	1210	(19.3)
-1.0m (-3' 3")	kg					*1450	*1450	*1200	1030	750	500	6.12
-2.0m (-6' 7")	kg	*2090	*2090	*2170	1510	1430	980	1000	680	1650	1100	(20.1)
-3.0m (-9' 10")	kg	*4610	*4610	*4780	3330	3150	2160	2200	1500	1610	1080	(20.1)
-1.0m (-3' 3")	kg					2160	1430	1380	930	770	510	5.92
-2.0m (-6' 7")	kg	*2320	*2320	4760	3150	3040	2050	2160	1460	1700	1120	(19.4)
-3.0m (-9' 10")	kg	*3260	2720	2120	1400	1350	910	970	650	860	580	5.46
-3.0m (-9' 10")	kg	*7190	6000	4670	3090	2980	2010	2140	1430	1900	1280	(17.9)
-1.0m (-3' 3")	kg					2130	1400	1360	910	1120	760	4.65
-2.0m (-6' 7")	kg	*4150	2760	2130	1400	1360	910			2470	1680	(15.3)
-3.0m (-9' 10")	kg	*9150	6080	4700	3090	3000	2010					
-3.0m (-9' 10")	kg	*2770	*2770	*1650	1460							
-3.0m (-9' 10")	kg	*6110	*6110	*3640	3220							

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