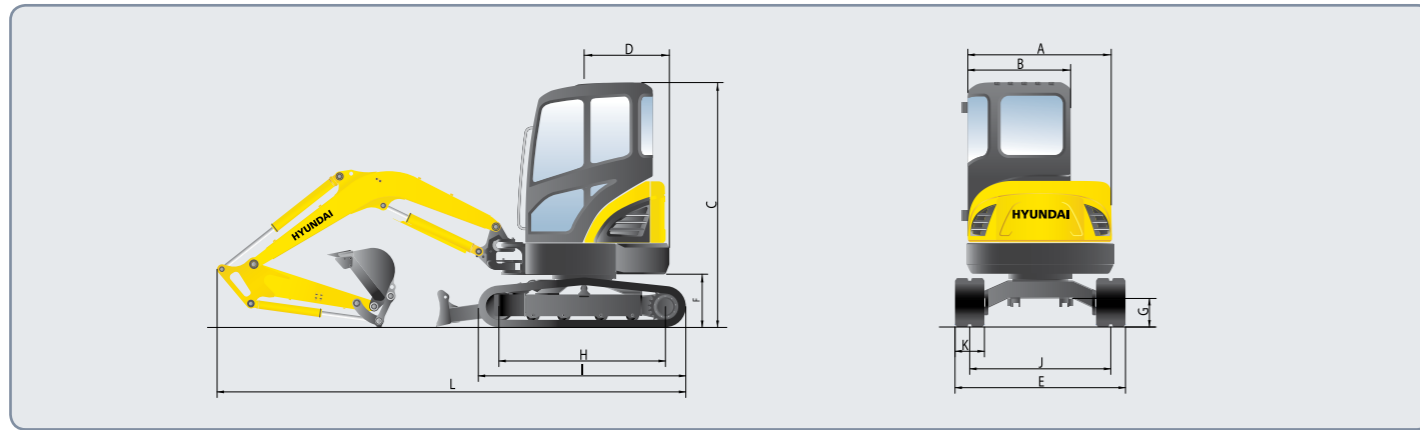




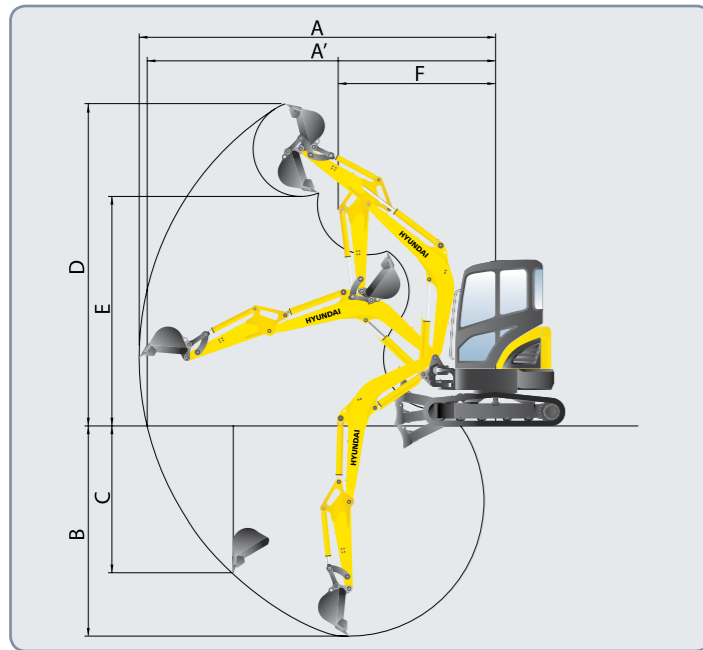
Dimensions



ITEM	35Z-7A	ITEM	35Z-7A
(A) Overall width of upper structure	1,500mm (4'11")	(G) Ground Clearance	290mm (11")
(B) Overall width of cab	1,050mm (3'5")	(H) Tumbler distance	1,700mm (5'7")
(C) Overall height of cab	2,500mm (8'2")	(I) Track length	2,130mm (6'12")
(D) Tail swing radius	870mm (2'10")	(J) Track gauge	1,440mm (4'9")
(E) Overall width	1,740mm (5'9")	(K) Track shoe width	300mm (12")
(F) Clearance under counterweight	540mm (1'9")	(L) Overall length	4,790mm (15'9")



Working Range



ITEM	
Boom length	2,500mm (8'2")
Arm length	1,300mm (4'3")
(A) Max. digging reach	5,360mm (17'7")
(A') Max. digging reach at ground	5,240mm (17'2")
(B) Max. digging depth	3,150mm (10'4")
(C) Max. vertical wall digging depth	2,190mm (7'2")
(D) Max. digging height	4,830mm (15'10")
(E) Max. dumping height	3,450mm (11'4")
(F) Min. swing radius	2,350mm (7'9")

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.

HYUNDAI HEAVY INDUSTRIES CO., LTD. CONSTRUCTION EQUIPMENT

Head Office (Sales Office)
1 JEONHA-DONG, DONG-GU, ULSAN, KOREA TEL: (82) 52-202-7970, 7729, 0971 FAX: (82) 52-202-7979, 7720

Americas Operation: Hyundai Construction Equipment Americas, Inc.
955 ESTES AVENUE, ELK GROVE VILLAGE, IL, 60007, U.S.A. TEL: (1) 847-437-3333 FAX: (1) 847-437-3574

Europe Operation: Hyundai Heavy Industries Europe N.V.
VOSSENDAAL 11, 2440 GEEL, BELGIUM TEL: (32) 14-56-2200 FAX: (32) 14-59-3405

India Operation: Hyundai Construction Equipment India Pvt., Ltd.
PLOT NO.A-2, CHAKAN INDUSTRIAL AREA, VILL.-KHALUMBRE, TALUK.-KHED., DIST.-PUNE 410 501, INDIA
TEL: (91) 21-3530-1700 FAX: (91) 21-3530-1712

PLEASE CONTACT

www.hyundai-ce.com

2011. 04 Rev 2



Some photos may include optional equipment.

 MINI EXCAVATOR Applied Tier 4 Engine

35Z-7A

 **HYUNDAI**
HEAVY INDUSTRIES CO., LTD.

We build a better future

Unparalleled Technology, Outstanding Performance!

Robex 35Z-7A

This new mini excavator provides a combination of proven power and unequalled working performance.



The Highest Engine Power in its Class Tier IV Interim

YANMAR 3TNV88 - BSHYB

27.3 HP / 2,200 rpm

Yanmar 3TNV88-BSHYB engine provides 10.9 kg-m/rpm of maximum torque with 27.3 HP at 2,200rpm of rated power. This means the R35Z-7A runs with the most power in its class, giving you more power to get the job done.



Cab Design Technology

Wide, Comfortable Operating Space

All controls are ergonomically engineered for maximum operator comfort and productivity. Reinforced pillars have been added for greater cab strength.



Wide Canopy with Excellent Visibility

Wide canopy equipped with high quality suspension seat designed to absorb shock and reduce operator fatigue.



Convenient, Comfortable Work Space



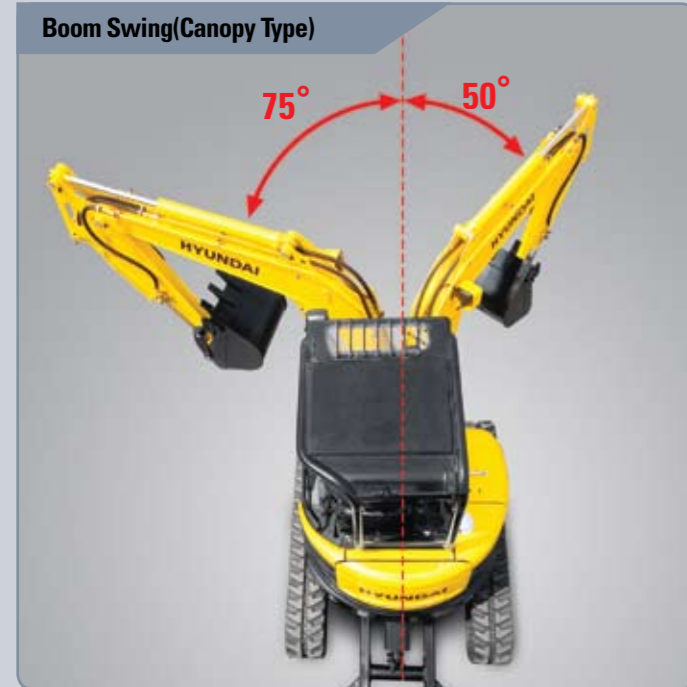
Safety Lock System	Mechanical Suspension Seat	Smooth Travel Pedals and Foot Rests	Storage Space
Safety lock system is designed to prevent exiting the cab with live controls. When lever is positioned upright, hydraulic functions are disengaged.	Attractive, adjustable seat engineered for comfort, safety and durability.	Travel pedals and levers are equipped with ergonomically designed foot rests for enhanced comfort and reduced fatigue.	Located under the seat with locking device.



Cup Holder	Easy Access to Controller & Switch	Engine Control Lever	Easy to Open Front Window
Multiple cup holders conveniently located for added operator comfort.	Switches are positioned for easy access.	Engine control lever is conveniently located to the left of the operator for fast access and better control.	Sliding front window is easily opened and safely maintained in open working condition to improve ventilation and visibility.

Powerful, Dynamic Performance !

Enhanced performance!



The R35Z-7A is designed for efficient work in congested residential and urban areas. The offset boom is designed with a 125 degree operating range.



■ Some photos may include optional equipment.

Powerful, Dynamic Performance!



Reinforced Bucket

Bucket design is improved with new anti-wear features, additional reinforcements at the sides and bucket lip combined with more heavy duty bucket linkage.



Powerful Dozer Blade

Large dozer blade provides added versatility, work efficiency and stability for the job.
1,740mm x 370mm (5'9" x 1'3")



Boom Cylinder Cover

Standard boom cylinder cover provides added protection.



Dozer Cylinder Cover

Standard dozer cylinder cover provides added protection.



Lever Pattern Change Valve

Joystick control patterns can be changed through an optional pattern change valve positioned for easy access.



Installation for Breaker Operation

Machine comes equipped with overload relief valve and piping for breaker operation as standard equipment.



Double Acting Pipe Selector

Lever direction
Vertical : Breaker
Horizontal : Double piping

Reliability and Serviceability

Improved durability!

Easy to Maintain Engine Components



The R35Z-7A was built with accessibility in mind. All doors, covers and hoods were built for complete open access. You'll find that the R35Z-7A offers plenty of space to complete your regular maintenance and service hassle-free.



Reliability and Serviceability



Easy Change Air Cleaner

The R35Z-7A is equipped with a durable plastic air cleaner designed for easy maintenance.



Low maintenance bushings and polymer shims

New low maintenance bushings combined with polymer shims facilitate easier routine service while extending grease intervals. (○:50hr, ●:500hr) Long-life chrome plated pins are standard.



Centralized Grease Fittings

Centralized lubrication bank for faster, easier service and maintenance.



Long Life Hydraulic Filter

High performance hydraulic filter for longer replacement intervals and reduced downtime.



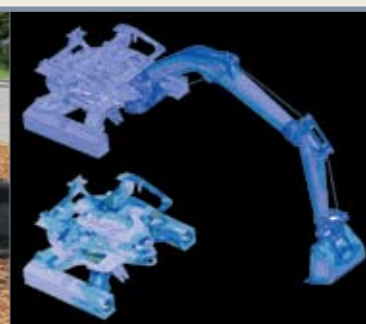
Hydraulic level

Sight level gauge for hydraulic oil level for easier service and maintenance.



Reinforced Rubber Track

Reinforced rubber track designed for longer life and reduced wear.



FEM(Finite Element Method)

Finite Element Method (FEM) is used to insure long term structural integrity.



Rectangular Tube Canopy

The canopy protects the operator against falling objects, ensuring operator safety. (ROPS, FOPS, TOPS STD.)

Engine

Model	Yanmar 3TNV88-BSHYB	
Type	4 Cycle. In line, water cooled Diesel	
Rated flywheel horse power		
SAE	J1995 (gross)	27.3 HP (20.3kW) at 2,200rpm
	J1349 (net)	26.5 HP (19.8kW) at 2,200rpm
DIN	627 1/1 (gross)	27.7 HP (20.3kW) at 2,200rpm
	627 1/1 (net)	26.9 HP (19.8kW) at 2,200rpm
Max. torque	10.9 kgf·m(78.84 lbf·ft) at 1,200 rpm	
Bore x stroke	88mm x 90mm (3.46" x 3.54")	
Piston displacement	1,642cc	
Batteries	12V - 80AH	
Starting motor	12V - 2.3kW	
Alternator	12V - 55A	

Hydraulic System

Main pumps	
Type	Two variable displacement piston pumps
Rated flow	2 x 38.5lpm
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	230 Kg/cm ² (3,270 psi)
Travel circuit	230 Kg/cm ² (3,270 psi)
Swing circuit	230 Kg/cm ² (3,270 psi)
Pilot circuit	30 Kg/cm ² (430 psi)
Service valve	Installed

Hydraulic Cylinder

No. of cylinder - bore x stroke	
Boom	85 x 540 mm (3.3" x 21.3")
Arm	80 x 585 mm (3.1" x 23.0")
Bucket	70 x 510 mm (2.8" x 20.1")
Boom swing	80 x 400 mm (3.1" x 15.7")
Dozer blade	95 x 152 mm (3.7" x 6.0")

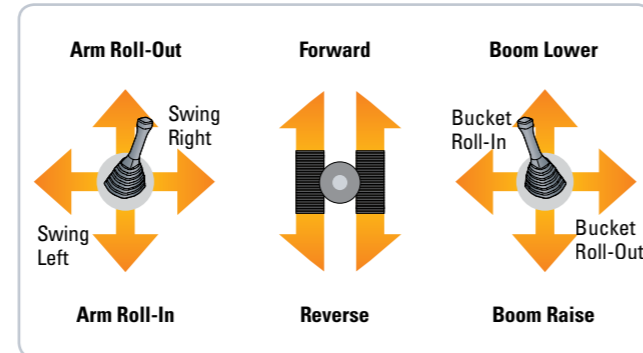
Operator's Cab

Noise Levels (dynamic value)	
LwA	94dB
LpA	75dB

Coolant & Lubricant Capacity

(refilling)	liter	US gal	UK gal
Fuel tank	42	11.1	9.2
Engine coolant	5	1.32	1.1
Engine oil	6.7	1.77	1.5
Hydraulic tank	46	12.2	10.1

Control.2 Implement Levers



Type	
Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket with horn (ISO)
Engine throttle	Mechanical, cable type
External Lamps	- 1 work Lamp at RH side of boom - Guarded floodlight at RH side of machine

Travel Levers

Traveling and steering : Two levers with pedals.

Swing System

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing circuit lubrication	Grease - bathed
Swing brake	Multi wet disc
Swing speed	9.5rpm

Drives & Brakes

Max. travel speed(high) / (low)	4.5km / 2.5km (2.8mph) / (1.6mph)
Maximum traction force	3.1ton
Maximum gradeability	30°
Parking brake	Multi wet disc

Digging Force (ISO)

Bucket	3,200 kgf
	31,360 kN
	7,050 lbf
Arm	1,990 kgf
	19,500 kN
	4,390 lbf

Weight (approximate)

Operating weight, including 2,500 mm (9' 8") boom, 1,300 mm (5'1") arm, SAE heaped 0.11 m³ (0.14 yd³) excavator bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Shoe Width	Rubber shoe 300 mm (12")	
Operating Weight	Cabin	3,650 Kg (8,050lb)
	Canopy	3,500 Kg (7,720lb)
Ground Pressure	Cabin	0.34 kg / cm ² (4.83psi)
	Canopy	0.32 kg / cm ² (4.55psi)

Buckets

Capacity	Width		Weight	2,500mm Boom 1,300mm Arm	
	SAE heaped	CECE heaped			Without side cutters
*0.11m ³ (0.14yd ³)	0.09m ³ (0.11yd ³)	550mm (21.7")	580mm (22.8")	80kg (176lb)	■

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

Lifting capacities R35Z-7A

Rating over-front Rating over-side or 360 degree

• Boom : 2.50m (8' 2") • Arm : 1.30 m (4' 3") • Bucket : 0.11 m³ SAE heaped • Shoe : 300mm(12") rubber track and 420kg (925 lb) counterweight

Load point height m(ft)	Load radius								At max. reach			
	1.0 m(3.3 ft)		2.0 m(6.6 ft)		3.0 m(9.8 ft)		4.0 m(13.1 ft)		Capacity		Reach	
											m (ft)	
4.0 m 13.1 ft	kg lb									600 1320	510 1120	3.94 (12.9)
3.0 m 9.8 ft	kg lb						560 1230	470 1040		420 930	360 790	4.74 (15.6)
2.0 m 6.6 ft	kg lb				890 1960	750 1650	540 1190	460 1010		360 790	300 660	5.11 (16.8)
1.0 m 3.3 ft	kg lb				830 1830	690 1520	520 1150	440 970		340 750	290 640	5.18 (17.0)
Ground Line	kg lb			1570 3460	1260 2780	790 1740	650 1430	500 1100		420 930	300 790	4.98 (16.3)
-1.0 m -3.3 ft	kg lb	*2100 *4630	*2100 *4630	1590 3510	1270 2800	780 1720	650 1430	500 1100		420 930	370 820	4.45 (14.6)
-2.0 m -6.6 ft	kg lb			1630 3590	1310 2890	810 1790	670 1480					

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.

Standard Equipment

ISO standard canopy - Canopy ROPS(ISO 3471) FOPS(ISO 3449) TOPS(ISO 12117)	- Warning Quick clamp Engine oil pressure Engine coolant temperature Preheat Low battery Air cleaner closing Fuel empty	Door and locks, one key AM/FM radio and cassette Mechanical suspension seat with seat belt Console box tilting system(LH.) Two front working lights Electric horn Battery (1 x 12 V x 80 AH)	Battery master switch Automatic swing brake Removable reservoir tank Water separator, fuel line Counterweight (420 kg, 925 lb) Mono boom (2.5 m, 8'2") Arm (1.3 m, 4' 3") Rubber crawler (300mm, 12")	Single acting piping (Breaker, etc) Double acting piping (Clamshell, etc)
--	--	---	--	--

Optional 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	Air-conditioner Beacon lamp Accumulator, work equipment lowering Travel alarm Quick coupler	Steel shoe (300mm, 12") Tool kit Operator suit Heater & Defroster Lever Pattern Change Valve
--	--	--	---