

Robex

290LC-9

Long Reach Excavator

Engine	HYUNDAI HE 6.7
Operating weight	33,325 kg (73,470 lb)
Bucket capacity (SAE)	0.52m ³ (0.68yd ³)
Max. reach on ground level	18,400mm (60' 4")
Max. digging depth	14,820mm (48' 7")
Travel speed	5 km/hr (3.1 mph) / 3.5 km/hr (2.2 mph)

Long Reach Front Includes:

Boom, Arm, Linkage, Bucket, Cylinders (boom, arm, and bucket), Hydraulic lines, and Additional counterweight for stability.

Designed especially for river maintenance and settling pond rehabilitation in plants.

The extended range front attachments give all the advantages of a hydraulic excavator plus an exceptional long reach range.

Relief Valve Setting

Implement circuits	350 kgf/cm ² (4,978 psi)
Travel	350 kgf/cm ² (4,978 psi)
Swing circuit	300 kgf/cm ² (4,267 psi)
Pilot circuit	40 kgf/cm ² (568 psi)
Service valve	Installed

Hydraulic cylinders

No. of cylinder	Boom: 2 - 140 X 1,465 mm (5.5" X 57.7")
bore X stroke	Arm: 1 - 150 X 1,765 mm (5.9" X 69.5")
	Bucket: 1 - 135 X 1,185 mm (5.3" X 46.7")

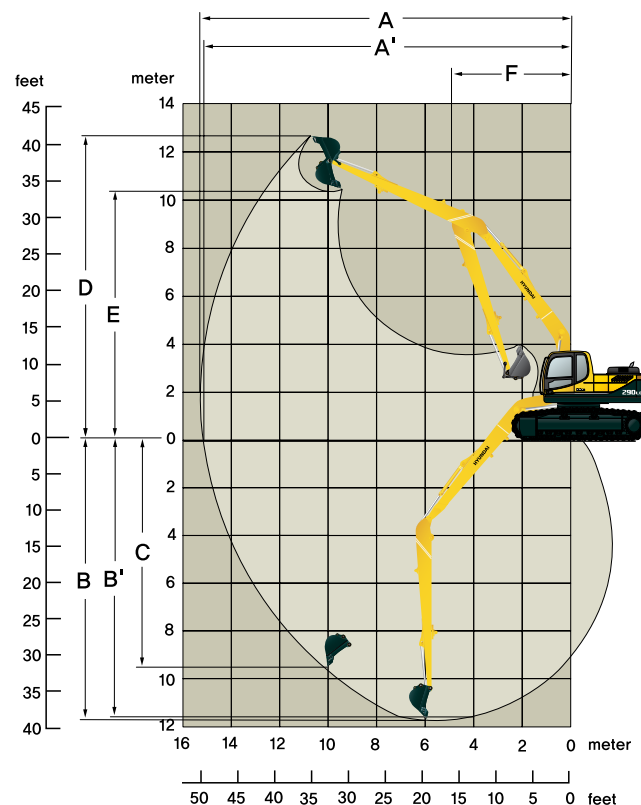
Digging force

Bucket digging force	(SAE)7,100 kgf [70.0kN] (15,650 lbf) (ISO)8,200 kgf [80.0kN] (18,080 lbf)
Arm crowd force	(SAE)4,800 kgf [47.1kN] (10,580 lbf) (ISO)4,900 kgf [48.1kN] (10,800 lbf)

MOVING YOU FURTHER

Working ranges

Boom length	10,200mm (33' 6")
Arm length	7,850mm (25' 9")
A Max. digging reach	18,510mm (60' 9")
A' Max. digging reach on ground	18,400mm (60' 4")
B Max. digging depth	14,820mm (48' 7")
B' BMax. digging depth (8' level)	14,690mm (48' 2")
C Max. vertical wall digging depth	12,020mm (39' 5")
D Max. digging height	14,500mm (47' 7")
E Max. dumping height	12,190mm (40' 0")
F Min. swing radius	6,250mm (20' 6")

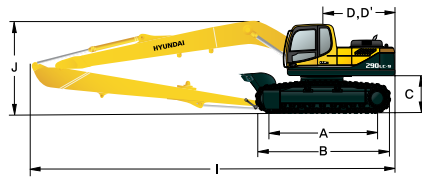


Operating weight (approximate)

Operating weight, including 10,200mm (33' 6") Boom, 7,850mm (25' 9") Arm, SAE heaped 0.52m³ (0.68yd³) backhoe bucket, and 800 mm (32") triple grouser shoe, additional counterweight lubricant, coolant, and full fuel tank, Hyd. tank and the standard equipment.

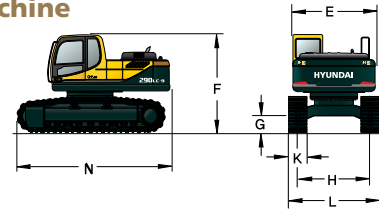
Upperstructure weight	7,650 kg (16,870 lb)
Counterweight	7,000 kg (15,450 lb)
Attachment	5,990 kg (13,210 lb)
Operating weight	33,325 kg (73,470 lb)
Drawbar pull	27,300 kgf (60,200 lb)
Ground pressure	0.48 kgf/cm ² (6.84 psi)

Shipping dimensions



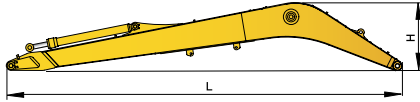
A Tumbler distance	4,030 mm (13' 3")
B Overall length of crawler	4,940 mm (16' 2")
C Ground clearance of counterweight	1,190 mm (3' 11")
D Tail swing radius	3,200 mm (10' 6")
D' Rear-end length	3,120 mm (10' 3")
I Overall length	14,560 mm (47' 9")
J Overall height of boom	3,560 mm (11' 8")

Base machine



E Overall width of upperstructure	2,980 mm (9' 9")
F Overall height of cab	3,010 mm (9' 11")
G Min. ground clearance	505 mm (1' 8")
H Track gauge	2,600 mm (8' 6")
K Track shoe width	800 mm (28")
L Overall width	3,400 mm (11' 2")
N Overall length	5,590 mm (18' 4")
Weight	7,650 kg (16,870 lb)

Long reach boom



L Overall length	10,410 mm (34' 2")
H Overall height	1,675 mm (5' 6")
W Overall width	900 mm (3' 1")
Weight	3,420 kg (7,540 lb)

Long reach arm



L Overall length	9,010 mm (29' 7")
H Overall height	870 mm (2' 10")
W Overall width	480 mm (1' 7")
Weight	1,690 kg (3,730 lb)

Bucket



L Overall length	1,400 mm (4' 7")
H Overall height	820 mm (2' 8")
W Overall width	1,035 mm (3' 5")
Weight	460 kg (1,010 lb)



Rating over-front



Rating over-side or 360 degree

R290LC-9S LIFTING CAPACITY

Boom: 10.2 m (33' 6") / Arm: 7.85 m (25' 9") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 800 mm (32") triple grouser

Load point height m (ft)		Load radius												At max. reach					
		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		12m (40ft)		13.5 m (45 ft)		15.0m (50ft)		Capacity		Reach	
																		m (ft)	
13.5 m (45 ft)	kg lb																*1,820 *4,010	*1,820 *4,010	14.13 (46.4)
12.0 m (40 ft)	kg lb																*1,840 *4,060	*1,840 *4,060	15.27 (50.1)
10.5 m (35 ft)	kg lb																*1,870 *4,120	1,830 4,030	16.18 (53.1)
9.0 m (30 ft)	kg lb																*1,920 *4,230	1,600 3,530	16.89 (55.4)
7.5 m (25 ft)	kg lb																*1,970 *4,340	1,440 3,170	17.44 (57.2)
6.0 m (20 ft)	kg lb																*2,030 *4,480	1,310 2,890	17.83 (58.5)
4.5 m (15 ft)	kg lb																*2,090 *4,610	1,220 2,690	18.08 (59.3)
3.0 m (10 ft)	kg lb																*2,190 *4,830	1,150 2,540	18.20 (59.7)
1.5 m (5 ft)	kg lb																*2,270 *4,950	1,110 2,450	18.19 (59.7)
Ground Line	kg lb																*2,290 *5,050	1,100 2,430	18.04 (59.2)
-1.5 m (-5 ft)	kg lb																*2,320 *5,110	1,110 2,450	17.76 (58.3)
-3.0 m (-10 ft)	kg lb																*2,390 *5,470	1,140 2,510	17.33 (56.9)
-4.5 m (-15 ft)	kg lb																*2,480 *5,890	1,220 2,690	16.75 (55.0)
-6.0 m (-20 ft)	kg lb																*2,550 *6,110	1,330 2,930	15.99 (52.5)
-7.5 m (-25 ft)	kg lb																*2,670 *6,680	1,520 3,350	15.04 (49.3)
-9.0 m (-30 ft)	kg lb																*2,770 *7,030	1,800 3,970	13.83 (45.4)
-10.5 m (-35 ft)	kg lb																*2,920 *6,430	2,270 5,000	12.31 (40.4)
-12.0 m (-40 ft)	kg lb																		
-13.5 m (-45 ft)	kg lb																		

1. Lifting capacity are based on SAE J1097 and 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 located on the back of the bucket.

4. (*) indicates load limited by hydraulic capacity.