

Robex

300LC-9S

Long Reach Excavator

Engine	HYUNDAI HM 8.3
Operating weight	33,780kg (74,470 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	3.4 to 5.9 km/hr (2.1 to 3.7 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 (4,980 psi)
Travel	350 kgf/cm ² (4,980 psi)
Power boost (boom, arm, bucket)	380 kgf/cm ² (5,400 psi)
Swing circuit	300 kgf/cm ² (4,270 psi)
Pilot circuit	40 kgf/cm ² (570 psi)
Travel speed	Installed

Hydraulic cylinders

No. of cylinder bore X stroke	Boom: 2 - 140 X 1,465 mm (5.5" X 57.7")
	Arm: 1 - 150 X 1,765 mm (5.9" X 69.5")
	Bucket: 1 - 135 X 1,185 mm (3.9" X 34.3")

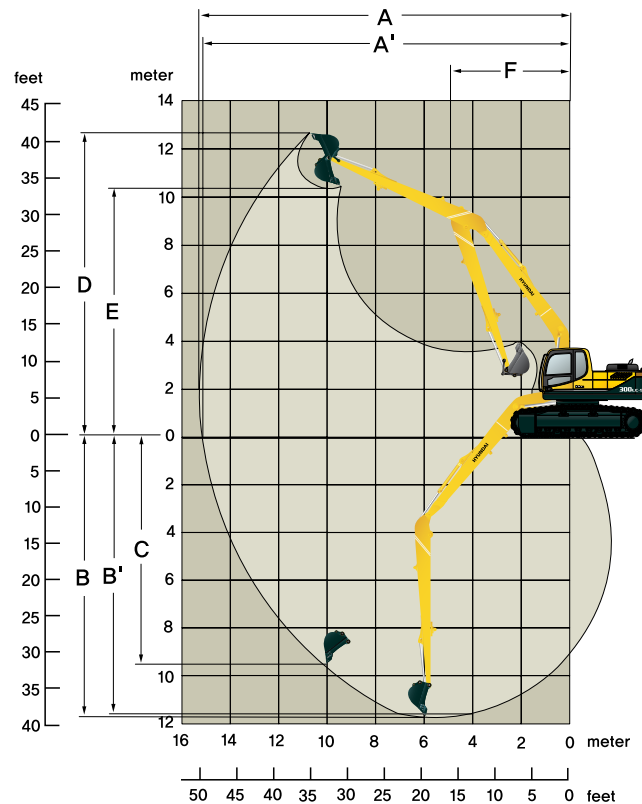
Digging force

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")



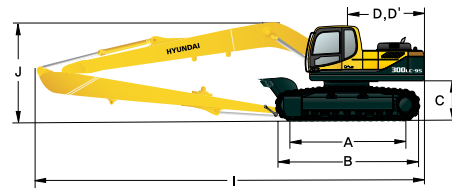
Operating weight (approximate)

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	14,410 kg (31,810 lb)
Counterweight	7,000 kg (15,450 lb)
Attachment	5,920 kg (13,050 lb)
Operating weight	33,780 kg (74,470 lb)
Drawbar pull	27,300 kgf (60,200 lb)
Ground pressure	0.49 kgf/cm ² (6.97 psi)

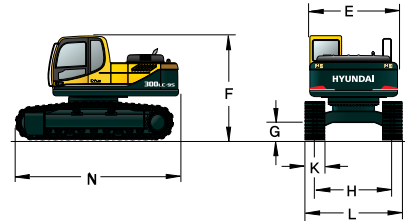
Shipping dimensions

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	3,345 mm (11' 0")
D' Rear-end length	3,265 mm (10' 19")
I Overall length	14,745 mm (48' 5")
J Overall height of boom	3,550 mm (11' 8")



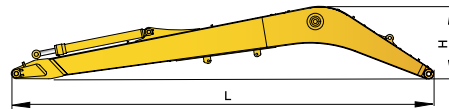
Base machine

E Overall width of upperstructure	2,980 mm (9' 9")
F Overall height of cab	3,010 mm (9' 11")
G Min. ground clearance	500 mm (1' 8")
H Track gauge	2,600 mm (8' 6")
K Track shoe width	800 mm (32")
L Overall width	3,400 mm (11' 2")
N Overall length	5,740 mm (18' 10")
Weight	27,670 kg (61,000 lb)



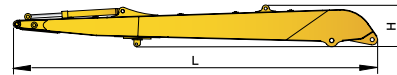
Long reach boom

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)



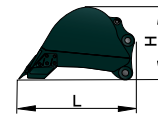
Long reach arm

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

R300LC-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)		9.0 m (30 ft)		12m (40ft)		15.0m (50ft)		Capacity		Reach m (ft)
12.0 m (40 ft)	kg lb									*1790 *3950	*1790 *3950	15.27 (50.1)
9.0 m (30 ft)	kg lb							*1520 *3350	*1520 *3350	*1860 *4100	1700 3750	16.89 (55.4)
6.0 m (20 ft)	kg lb							*2010 *4430	*2010 *4430	*1970 *4340	1390 3060	17.83 (58.5)
3.0 m (10 ft)	kg lb			*3260 *7190	*3260 *7190	*2610 *5750	*2610 *5750	*2290 *5050	1940 4280	*2110 *4650	1230 2710	18.20 (59.7)
Ground Line	kg lb	*7310 *16120	7180 15830	*4370 *9630	4120 9080	*3190 *7030	2630 5800	*2610 *5750	1730 3810	2190 4830	1180 2600	18.04 (59.2)
-3.0 m (-10 ft)	kg lb	*8680 *19140	6290 13870	*5210 *11490	3590 7910	*3690 *8140	2330 5140	2850 6280	1580 3480	2290 5050	1230 2710	17.33 (56.9)
-6.0 m (-20 ft)	kg lb	*9060 *19970	6100 13450	*5630 *12410	3370 7430	3880 8550	2190 4830	*2720 *6000	1540 3400	2600 5730	1430 3150	15.99 (52.5)
-9.0 m (-30 ft)	kg lb	*8600 *18960	6300 13890	*5520 *12170	3430 7560	*3860 *8510	2240 4940			*3070 *6770	1920 4230	13.83 (45.4)
-12.0 m (-40 ft)	kg lb	*7010 *15450	6880 15170	*4510 *9940	3780 8330							

- Lifting capacity are based on SAE J1097 and ISO 10567.
- 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.

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