

VOLVO EXCAVATORS

EC210B LR EC240B LR / EC290B LR



- **Engine power, gross:**

EC210B LR: 119 kW (159 hp)

EC240B LR: 138 kW (185 hp)

EC290B LR: 153 kW (205 hp)

- **Operating weight:**

EC210B LR: 23.2 t, 51,200 lb

EC240B LR: 27.9 t, 61,520 lb

EC290B LR: 31.7 t, 69,900 lb

- **Buckets (SAE):**

EC210B LR: 520 l, 0.68 yd³

EC240B LR: 520 l, 0.68 yd³

EC290B LR: 520 l, 0.68 yd³

570 l, 0.75 yd³

- **Turbocharged Volvo diesel**

engine with direct injection and charged air cooler

- **Contronics, Volvo's advanced**

mode selection system and electronically-controlled system

- **2 variable displacement axial piston pumps. Independent and simultaneous movements of the digging equipment are controlled by "Automatic Sensing Work Mode"**

- **Cab**

– Ergonomic environment for easier operator use

– Low sound level

– Filtered air

– Hydraulic dampening mounts

– Fabric seat with heater and air suspension

- **Developed for use in dredging, ditch cleaning, bank sloping and land leveling**

- **Auxiliary hydraulic valve is standard**

- **Prepared for a number of optional items**

VOLVO

SPECIFICATIONS

• EC210B LR

Description		Specification
Operating weight		23,220 kg, 51,200 lb
Bucket capacity: SAE		520 l, 0.68 yd³
Engine	Model	VOLVO D6D EAE2
	Type	4-stroke diesel engine with water cooling, direct injection and charged air cooler
	Flywheel horsepower: Net	107 kW, 143 hp at 1,900 rpm
	Gross	119 kW, 159 hp at 1,900 rpm
	Max. torque at 1,425 rpm	647 N·m (66 kg·m), 477 lb·ft
Fuel tank capacity		350 l, 92 gal
Hydraulic system	Type	Variable displacement axial piston pump x 2, Gear pump x 1
	System pressure	• 32.4/34.3 Mpa, 4,690/4,980 psi • Arm-in, bucket: 27.0 Mpa, 3,910 psi
	Max. flow rate	2 x 200 l/min, 2 x 53 gpm
Performance	Swing speed	11.6 rpm
	Travel speed (1st/2nd)	3.2/5.5 km/h, 2.0/3.4 mph
	Gradeability	35 deg, 70%
	Max. drawbar pull (tractive effort)	183 kN, 41,230 lb
	Ground pressure	36 kPa, 5.2 psi
Counterweight		4,900 kg, 10,800 lb

• EC240B LR

Description		Specification
Operating weight		27,900 kg, 61,520 lb
Bucket capacity: SAE		520 l, 0.68 yd³
Engine	Model	VOLVO D7E EBE3
	Type	4-stroke diesel engine with water cooling, direct injection and charged air cooler
	Flywheel horsepower: Net	125 kW, 168 hp at 1,800 rpm
	Gross	138 kW, 185 hp at 1,800 rpm
	Max. torque at 1,350 rpm	870 N·m (89 kg·m), 644 lb·ft
Fuel tank capacity		470 l, 124 gal
Hydraulic system	Type	Variable displacement axial piston pump x 2, Gear pump x 1
	System pressure	• 31.4/34.3 Mpa, 4,550/4,980 psi • Arm-in, bucket: 27.0 Mpa, 3,910 psi
	Max. flow rate	2 x 230 l/min, 2 x 61 gpm
Performance	Swing speed	11.4 rpm
	Travel speed (1st/2nd)	3.2/5.5 km/h, 2.0/3.4 mph
	Gradeability	35 deg, 70%
	Max. drawbar pull (tractive effort)	209 kN, 46,920 lb
	Ground pressure	41 kPa, 6.0 psi
Counterweight		6,500 kg, 14,330 lb

SPECIFICATIONS

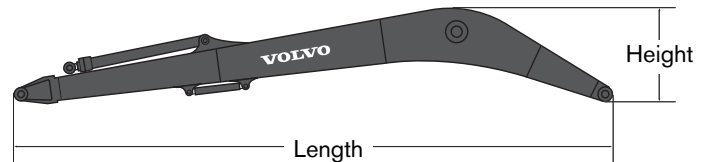
• EC290B LR

Description		Specification
Operating weight		31,700 kg, 69,900 lb
Bucket capacity: SAE		520 l, 0.68 yd³/570 l, 0.75 yd³
Engine	Model	VOLVO D7E EAE3
	Type	4-stroke diesel engine with water cooling, direct injection and charged air cooler
	Flywheel horsepower: Net Gross	143 kW, 192 hp at 1,800 rpm
		153 kW, 205 hp at 1,800 rpm
	Max. torque at 1,350 rpm	965 N·m (98 kg·m), 709 lb-ft
Fuel tank capacity	470 l, 124 gal	
Hydraulic system	Type	Variable displacement axial piston pump x 2, Gear pump x 1
	System pressure	• 31.4/34.3 Mpa, 4,550/4,980 psi • Bucket: 27.5 Mpa, 3,980 psi
	Max. flow rate	2 x 250 l/min, 2 x 66 gpm
Performance	Swing speed	10.2 rpm
	Travel speed (1st/2nd)	3.3/5.2 km/h, 2.1/3.2 mph
	Gradeability	35 deg, 70%
	Max. drawbar pull (tractive effort)	231 kN, 51,820 lb
	Ground pressure	45 kPa, 6.5 psi
Counterweight		7,150 kg, 15,770 lb

DIMENSIONS

• Boom

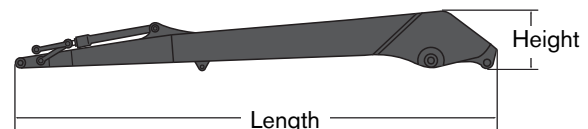
Description	EC210B LR	EC240B LR	EC290B LR
	8.85 m, 29' 0"	10.2 m, 33' 6"	10.2 m, 33' 6"
Length	9,060 mm, 29' 9"	10,410 mm, 34' 2"	10,430 mm, 34' 3"
Height	1,540 mm, 5' 1"	1,550 mm, 5' 1"	1,620 mm, 5' 4"
Width	670 mm, 2' 2"	730 mm, 2' 5"	770 mm, 2' 6"
Weight	2,330 kg, 5,140 lb	2,830 kg, 6,240 lb	3,420 kg, 7,540 lb



* Includes cylinder, pin and piping

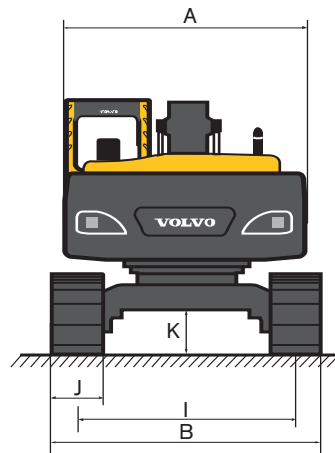
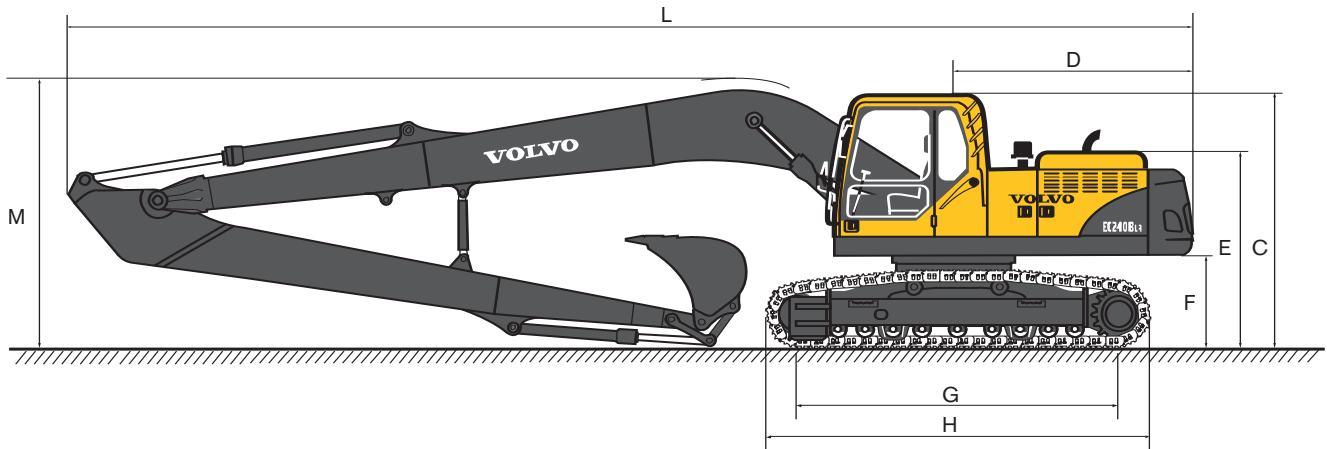
• Arm

Description	EC210B LR	EC240B LR	EC290B LR
	6.25 m, 20' 6"	7.85 m, 25' 9"	7.9 m, 25' 11"
Length	7,310 mm, 24' 0"	8,970 mm, 29' 5"	9,060 mm, 29' 9"
Height	870 mm, 2' 10"	1,145 mm, 3' 9"	1,065 mm, 3' 6"
Width	350 mm, 1' 2"	380 mm, 1' 3"	545 mm, 1' 9"
Weight	1,170 kg, 2,580 lb	1,520 kg, 3,350 lb	1,790 kg, 3,950 lb



* Includes cylinder, linkage and pin

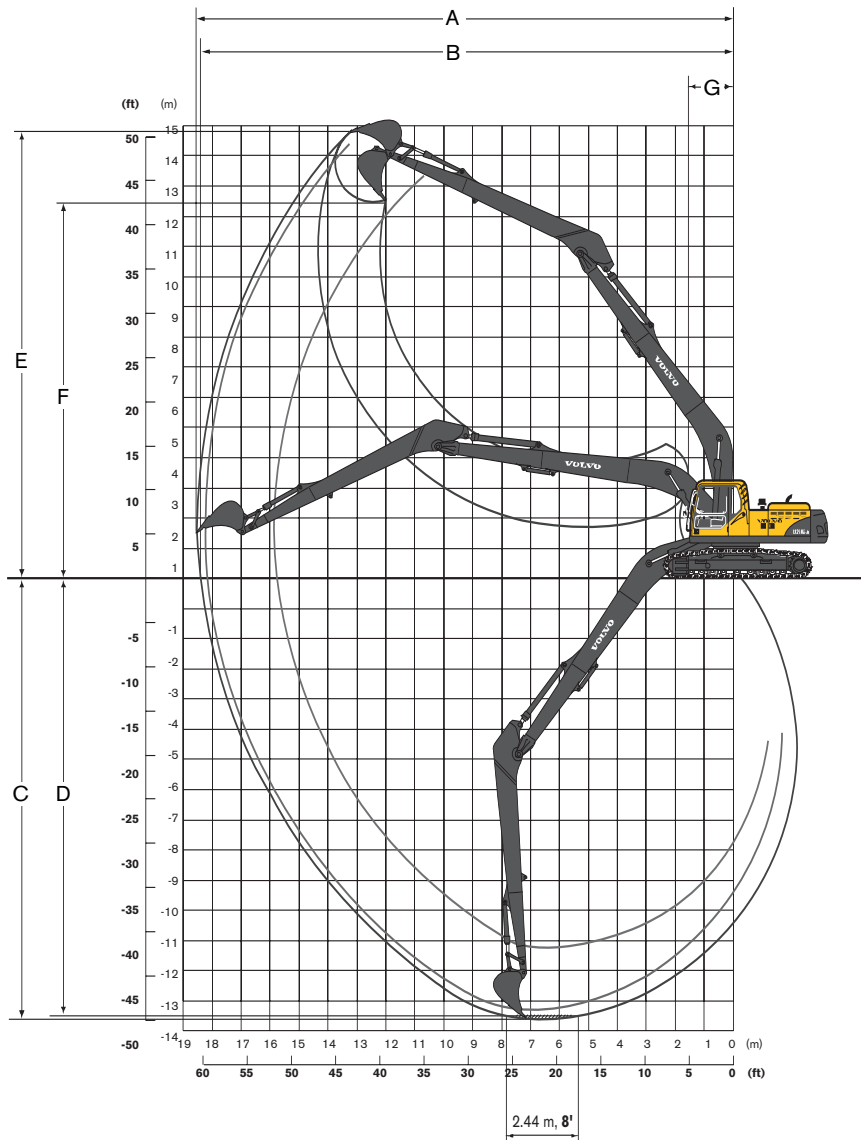
DIMENSIONS



Model	Unit	EC210B LR	EC240B LR	EC290B LR
A. Overall width of superstructure	mm, ft-in	2,700, 8' 10"	2,890, 9' 6"	2,890, 9' 6"
B. Overall width	mm, ft-in	3,190, 10' 6"	3,390, 11' 1"	3,390, 11' 1"
C. Overall height of cab	mm, ft-in	2,930, 9' 7"	2,990, 9' 10"	3,030, 9' 11"
D. Tail swing radius	mm, ft-in	2,750, 9' 0"	3,000, 9' 10"	3,000, 9' 10"
E. Overall height of engine hood	mm, ft-in	2,330, 7' 8"	2,370, 7' 9"	2,400, 7' 10"
F. Counterweight clearance *	mm, ft-in	1,025, 3' 4"	1,080, 3' 7"	1,125, 3' 8"
G. Tumbler length	mm, ft-in	3,660, 12' 0"	3,850, 12' 8"	4,015, 13' 2"
H. Track length	mm, ft-in	4,460, 14' 8"	4,650, 15' 3"	4,870, 16' 0"
I. Track gauge	mm, ft-in	2,390, 7' 10"	2,590, 8' 6"	2,590, 8' 6"
J. Shoe width	mm, in	800, 32"	800, 32"	800, 32"
K. Min. ground clearance *	mm, ft-in	460, 1' 6"	480, 1' 7"	480, 1' 7"
L. Overall length	mm, ft-in	12,810, 42' 0"	14,390, 47' 3"	14,620, 48' 0"
M. Overall height of boom	mm, ft-in	3,150, 10' 4"	3,170, 10' 5"	3,340, 10' 11"

* Without shoe grouser

WORKING RANGES & DIGGING FORCES



● Pin-on bucket

Model	Unit	EC210B LR	EC240B LR	EC290B LR
Boom/arm		8.85 m, 29' 0"/6.25 m, 20' 6"	10.2 m, 33' 6"/7.85 m, 25' 9"	10.2 m, 33' 6"/7.9 m, 25' 11"
A. Max. digging reach	mm, ft-in	15,810, 51' 10"	18,310, 60' 1"	18,600, 61' 0"
B. Max. digging reach on ground	mm, ft-in	15,710, 51' 7"	18,210, 59' 9"	18,490, 60' 8"
C. Max. digging depth	mm, ft-in	12,100, 39' 8"	14,350, 47' 1"	14,790, 48' 6"
D. Max. digging depth (8' level)	mm, ft-in	11,990, 39' 4"	14,230, 46' 8"	14,690, 48' 2"
E. Max. vertical wall digging depth	mm, ft-in	13,300, 43' 8"	14,890, 48' 10"	14,900, 48' 11"
F. Max. cutting height	mm, ft-in	10,950, 35' 11"	12,580, 41' 3"	12,570, 41' 3"
G. Min. dumping height	mm, ft-in	2,050, 6' 9"	1,880, 6' 2"	1,640, 5' 5"

Digging forces with pin-on bucket		Unit	EC210B LR	EC240B LR	EC290B LR
Bucket tip radius		mm, in	1,250, 49"	1,250, 49"	1,250, 49"
Breakout force	SAE	kN/lb	68.6/15,440	68.6/15,440	69.1/15,550
Tearout force	SAE	kN/lb	44.1/9,920	44.1/9,920	64.2/14,440
Rotation angle, bucket		deg	179°	179°	179°

LIFTING CAPACITY (At the arm end without bucket)

Note: For lifting capacity including bucket, simply subtract actual weight of the pin-on bucket or the bucket with quickcoupler from the following values.

EC210B LR (Std. shoe 800 mm, 32", counterweight 4,900 kg, 10,800 lb)

Across under-carriage	Lifting hook related to ground level m / ft	7.5 m, 25'		9 m, 30'		10.5 m, 35'		12 m, 40'		13.5 m, 45'		Max. reach														
		t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	Max. m / ft												
															Along under-carriage											
Boom 8.85 m, 29' 0" + Arm 6.25 m 20' 6"	12.0 40'											*0.9	*1,920	*0.9	*1,920	10.3 / 33.1										
	10.5 35'											*0.8	*1,750	*0.8	*1,750	11.6 / 37.7										
	9.0 30'							*1.4	*2,550	*1.4	*2,550			*0.8	*1,660	*0.8	*1,660	12.6 / 41.1								
	7.5 25'					*2.1	*4,630	*2.1	*4,630	*2.0	*4,070	2.0	*4,070			*0.7	*1,610	*0.7	*1,610	13.4 / 43.7						
	6.0 20'					*2.3	*4,940	*2.3	*4,940	*2.2	*4,820	1.9	4,070	*1.3	*2,190	*1.3	*2,190	*0.7	*1,610	*0.7	*1,610	13.9 / 45.6				
	4.5 15'			*2.7	*5,780	*2.7	*5,780	*2.5	*5,370	2.3	5,030	*2.3	*5,090	1.8	3,910	*1.8	*3,350	1.4	3,040	*0.7	*1,630	*0.7	*1,630	14.3 / 46.9		
	3.0 10'	*3.5	*7,580	*3.5	*7,580	*3.0	*6,550	2.8	6,090	*2.7	*5,880	2.2	4,720	*2.5	*5,430	1.7	3,710	*2.1	*4,110	1.4	2,930	*0.8	*1,690	*0.8	*1,690	14.5 / 47.6
	1.5 5'	*4.1	*8,790	3.4	7,340	*3.4	*7,340	2.6	5,620	*3.0	*6,410	2.1	4,410	*2.7	5,780	1.6	3,510	2.2	*4,580	1.3	2,810	*0.8	*1,780	*0.8	*1,780	14.6 / 47.8
	0 0'	*4.6	*9,850	3.1	6,710	*3.7	*8,070	2.4	5,210	3.2	6,830	1.9	4,130	2.6	5,580	1.6	3,320	2.2	4,630	1.3	2,700	*0.9	*1,920	*0.9	*1,920	14.4 / 47.4
	-1.5 -5'	4.9	10,580	2.9	6,270	3.8	8,200	2.3	4,890	3.1	6,590	1.8	3,910	2.5	5,420	1.5	3,170	2.1	*4,130	1.2	2,610	*1.0	*2,110	*1.0	*2,110	14.2 / 46.5
	-3.0 -10'	4.8	10,290	2.8	6,000	3.7	7,970	2.2	4,680	3.0	6,430	1.7	3,760	2.5	5,320	1.4	3,080	*1.6	*2,420	1.2	*2,420	*1.1	*2,380	*1.1	*2,380	13.7 / 45.0
	-4.5 -15'	4.7	10,170	2.7	5,890	3.7	7,870	2.1	4,580	2.9	6,360	1.7	3,690	2.5	5,290	1.4	3,050					*1.3	*2,770	1.3	*2,770	13.1 / 42.9
	-6.0 -20'	4.7	10,200	2.7	5,910	3.7	7,880	2.1	4,590	3.0	6,380	1.7	3,710	*2.3	*3,490	1.4	3,130					*1.5	*3,380	1.4	3,120	12.3 / 40.1
-7.5 -25'	4.8	10,370	2.8	6,070	3.7	8,020	2.2	4,720	3.0	6,550	1.8	3,870									*2.0	*4,430	1.7	3,710	11.2 / 36.3	
-9.0 -30'	*4.3	*9,080	2.9	6,390	*3.4	*7,150	2.3	5,030													*2.9	*6,670	2.1	4,790	9.7 / 31.3	
-10.5 -35'																						*3.0	*6,660	*3.0	*6,660	7.7 / 24.2
-12.0 -40'																										

EC240B LR (Std. shoe 800 mm, 32", counterweight 6,500 kg, 14,330 lb)

















Across under-carriage	Lifting hook related to ground level m / ft	7.5 m, 25'		9 m, 30'		10.5 m, 35'		12 m, 40'		13.5 m, 45'		Max. reach														
		t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	Max. m / ft												
															Along under-carriage											
Boom 10.2 m, 33' 6" + Arm 7.85 m 25' 9"	12.0 40'											*1.0	*2,260	*1.0	*2,260	*0.9	*1,940	*0.9	*1,940	13.7 / 44.5						
	10.5 35'											*1.6	*3,100	*1.6	*3,100	*0.8	*1,860	*0.8	*1,860	14.7 / 47.9						
	9.0 30'											*1.9	*3,910	*1.9	*3,910	*0.8	*1,830	*0.8	*1,830	15.5 / 50.6						
	7.5 25'											*2.1	*4,700	*2.1	*4,700	*2.1	*4,540	*2.1	*4,540	*0.8	*1,820	*0.8	*1,820	16.1 / 52.7		
	6.0 20'											*2.3	*5,040	*2.3	*5,040	*2.2	*4,870	2.2	4,640	*0.8	*1,840	*0.8	*1,840	16.6 / 54.2		
	4.5 15'					*2.7	*5,870	*2.7	*5,870	*2.5	*5,470	*2.5	*5,470	*2.4	*5,170	2.1	4,420	*0.9	*1,890	*0.9	*1,890	16.9 / 55.3				
	3.0 10'	*4.0	*8,700	*4.0	*8,700	*3.4	*7,410	*3.4	*7,410	*3.0	*6,550	*3.0	*6,540	*2.7	*5,950	2.4	5,200	*2.5	*5,510	2.0	4,180	*0.9	*1,970	*0.9	*1,970	17.0 / 55.8
	1.5 5'	*4.7	*10,190	4.6	9,930	*3.9	*8,400	3.5	7,640	*3.3	*7,240	2.8	6,040	*3.0	*6,440	2.3	4,850	*2.7	*5,870	1.8	3,930	*0.9	*2,090	*0.9	*2,090	17.1 / 56.0
	0 0'	*5.3	*11,500	4.2	8,960	*4.3	*9,320	3.2	6,990	*3.6	*7,900	2.6	5,580	*3.2	*6,920	2.1	4,520	2.8	6,040	1.7	3,700	*1.0	*2,240	*1.0	*2,240	16.9 / 55.6
	-1.5 -5'	*5.8	*12,530	3.8	8,250	*4.7	*10,090	3.0	6,470	*3.9	*8,450	2.4	5,200	3.2	6,960	2.0	4,250	2.7	5,830	1.6	3,500	*1.1	*2,440	1.1	2,430	16.7 / 54.8
	-3.0 -10'	6.0	13,010	3.6	7,790	4.7	10,090	2.8	6,100	3.8	8,140	2.3	4,910	3.1	6,730	1.9	4,030	2.6	5,670	1.6	3,340	*1.2	*2,710	1.1	2,490	16.3 / 53.5
	-4.5 -15'	5.9	12,740	3.5	7,530	4.6	9,850	2.7	5,870	3.7	7,940	2.2	4,730	3.1	6,580	1.8	3,890	2.6	5,560	1.5	3,250	*1.4	*3,080	1.2	2,610	15.8 / 51.7
	-6.0 -20'	5.9	12,650	3.5	7,450	4.5	9,740	2.7	5,770	3.6	7,850	2.2	4,640	3.0	6,520	1.8	3,830	2.6	5,540	1.5	3,220	*1.6	*3,600	1.3	2,820	15.1 / 49.4
-7.5 -25'	5.9	12,710	3.5	7,510	4.5	9,770	2.7	5,790	3.6	7,870	2.2	4,660	3.0	6,550	1.8	3,850	2.6	5,600	1.5	3,280	*2.0	*4,390	1.4	3,160	14.2 / 46.3	
-9.0 -30'	*5.8	*12,590	3.6	7,710	4.6	9,920	2.7	5,930	3.7	8,000	2.2	4,780	3.1	6,690	1.8	3,990					*2.5	*5,680	1.7	3,700	13.1 / 42.5	
-10.5 -35'	*5.3	*11,370	3.7	8,050	*4.4	*9,350	2.9	6,210	*3.6	*7,690	2.3	5,040									*3.1	*6,880	2.0	4,620	11.6 / 37.6	
-12.0 -40'	*4.5	*9,350	3.9	8,590	*3.6	*7,490	3.1	6,700													*3.2	*7,090	2.8	6,390	9.8 / 31.1	

- Notes:
1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities.
 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 4. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
 5. Contains metric and U.S. measurement charts.

LIFTING CAPACITY (At the arm and without bucket)

Note: For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

EC290B LR (Std. shoe 800 mm, 32", counterweight 7,150 kg, 15,770 lb)

 Across under-carriage  Along under-carriage	Lifting hook related to ground level m / ft	9 m, 30'		10.5 m, 35'		12 m, 40'		13.5 m, 45'		15 m, 50'		Max. reach															
		 t	 lb	 t	 lb	 t	 lb	 t	 lb	 t	 lb	 t	 lb	 t	 lb	Max. m / ft											
		t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb												
Boom 10.2 m, 33' 6" + Arm 7.9 m 25' 11"	12.0 40'									*1.6	*2,990	*1.6	*2,990					*1.1	*2,410	*1.1	*2,410	14.1 / 45.9					
	10.5 35'									*2.2	*4,460	*2.2	*4,460	*1.1	*2,490	*1.1	*2,490	*1.0	*2,310	*1.0	*2,310	15.1 / 49.2					
	9.0 30'									*2.5	*5,310	*2.5	*5,310	*1.8	*3,460	*1.8	*3,460	*1.0	*2,250	*1.0	*2,250	15.8 / 51.8					
	7.5 25'									*2.7	*5,960	2.6	5,630	*2.2	*4,530	2.1	4,410	*1.0	*2,240	*1.0	*2,240	16.4 / 53.8					
	6.0 20'								*3.0	*6,520	*3.0	*6,520	*2.9	*6,230	2.5	5,410	*2.6	*5,330	2.0	4,270	*1.0	*2,250	*1.0	*2,250	16.9 / 55.2		
	4.5 15'					*3.5	*7,590	*3.5	*7,590	*3.2	*7,010	3.0	6,460	*3.0	*6,570	2.4	5,130	*2.9	*6,050	1.9	4,090	*1.0	*2,300	*1.0	*2,300	17.1 / 56.2	
	3.0 10'	*4.8	*9,490	*4.8	*9,490	*3.9	*8,360	3.5	7,590	*3.5	*7,550	2.8	6,030	*3.2	*6,950	2.3	4,830	*3.0	*6,500	1.8	3,870	*1.1	*2,380	*1.1	*2,380	17.3 / 56.8	
	1.5 5'	*4.9	*10,610	4.1	8,810	*4.2	*9,140	3.2	6,960	*3.7	*8,100	2.6	5,580	*3.4	*7,350	2.1	4,510	3.0	6,340	1.7	3,650	*1.1	*2,490	*1.1	*2,490	17.3 / 56.8	
	0 0'	*5.4	*11,610	3.7	7,990	*4.5	*9,850	3.0	6,390	*4.0	*8,620	2.4	5,170	3.4	7,280	2.0	4,210	2.9	6,120	1.6	3,440	*1.2	*2,650	1.2	2,630	17.2 / 56.5	
	-1.5 -5'	*5.7	*12,420	3.4	7,320	4.7	10,160	2.7	5,890	3.9	8,370	2.2	4,800	3.3	7,000	1.8	3,940	2.8	5,920	1.5	3,250	*1.3	*2,860	1.2	2,610	17.0 / 55.7	
	-3.0 -10'	5.6	12,080	3.2	6,820	4.5	9,750	2.6	5,500	3.7	8,060	2.1	4,510	3.2	6,770	1.7	3,730	2.7	5,760	1.5	3,100	*1.4	*3,130	1.2	2,650	16.6 / 54.4	
	-4.5 -15'	5.4	11,720	3.0	6,480	4.4	9,450	2.4	5,230	3.6	7,830	2.0	4,300	3.1	6,610	1.7	3,570	2.6	5,670	1.4	3,000	*1.6	*3,510	1.3	2,770	16.0 / 52.6	
	-6.0 -20'	5.3	11,520	2.9	6,300	4.3	9,280	2.4	5,070	3.6	7,700	1.9	4,180	3.0	6,530	1.6	3,500	2.6	*4,330	1.4	2,990	*1.8	*4,030	1.3	2,970	15.3 / 50.2	
	-7.5 -25'	5.3	11,470	2.9	6,260	4.3	9,240	2.3	5,030	3.6	7,680	1.9	4,160	3.0	6,560	1.6	3,520							*2.1	*4,800	1.5	3,310
-9.0 -30'	5.4	11,580	2.9	6,360	4.3	9,330	2.4	5,110	3.6	7,800	2.0	4,260											*2.7	*6,020	1.7	3,850	13.3 / 43.4
-10.5 -35'	*5.1	*10,810	3.1	6,610	*4.2	*8,880	2.5	5,360															*3.4	*7,550	2.1	4,760	11.9 / 38.5
-12.0 -40'	*4.1	*8,410	3.3	7,110																			*3.4	*7,490	2.8	6,510	10.1 / 32.2

- Notes:
1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities.
 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 4. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
 5. Contains metric and U.S. measurement charts.

STANDARD EQUIPMENT

Engine

Turbocharged, 4-stroke diesel engine with water cooling, direct injection and charged air cooler that meets EPA Tier 2 (EC210B LR) and Tier 3 (EC240B LR/EC290B LR) emission standards
3-stage air filter with indicator and precleaner
Air intake heater
Electric engine shut-off
Fuel filter and water separator
Coolant filter
Alternator, 80 A

Electric/Electronic control system

Contronics
– Advanced mode control system
– Self-diagnostic system
Machine status indication
Engine speed sensing power control
Automatic idling system
One-touch power boost
Safety stop/start function
Travel alarm
Adjustable monitor

Master switch
Engine restart prevention circuit
High-capacity halogen lights:
– Frame-mounted 2
– Boom-mounted 2
Batteries
– EC210B LR: 2 x 12 V / 150 Ah
– EC240B LR: 2 x 12 V / 200 Ah
– EC290B LR: 2 x 12 V / 200 Ah
Start motor, 24 V / 4.8 kW

Hydraulic system

Automatic hydraulic system
– Summation system
– Boom priority
– Arm priority
– Swing priority
Boom and arm regeneration valves
Swing anti-rebound valves
Boom and arm holding valves
Multi-stage filtering system
Cylinder cushioning
Cylinder contamination seals
Auxiliary hydraulic valve
Straight travel circuit
Automatic two-speed travel motors
Hydraulic oil, ISO VG 46

Superstructure

Access way with handrail
Full height counterweight
Tool storage area
Punched metal anti-slip plates
Undercover (heavy-duty 4.5 mm, 0.18")

Cab and interior

Fabric seat with heater and air suspension
Pilot-operated wrist control joysticks with 3 switches each
Heater & air-conditioner, automatic
Hydraulic dampening cab mounts
Adjustable operator seat and joystick control console
Flexible antenna
Hydraulic safety lock lever
Cab, all-weather sound suppressed, includes:
– Ashtray
– Cup holder
– Lighter
– Tinted glass
– Door locks
– Floor mat
– Horn

– Large storage area
– Pull-up type front window
– Removable lower windshield
– Seat belt
– Safety glass
– Sun shield, front, roof, rear
– Windshield wiper with intermittent feature
– Stereo cassette radio
Anti-vandalism kit assembly preparation
Master ignition key

Undercarriage

Hydraulic track adjusters
Greased and sealed track chain
Track guards
Undercover (4.5 mm, 0.18")

Track shoes

Track shoes 800 mm, 32" with triple grousers

OPTIONAL EQUIPMENT *(Standard in certain markets)*

Engine

Block heater: 120 V
Oil-bath precleaner
5kW diesel coolant heater (EC210B LR)
10kW diesel coolant heater (EC240B LR/EC290B LR)
Water separator with heater
Tropical cooling kit
Fuel filler pump: 50 l/min, 13.2 gpm with automatic shut-off

Electric

Extra lamps:
– Cab-mounted 3 (front 2, rear 1)
– Counterweight-mounted 1
Overload warning device
Rotating warning beacon
Anti-theft system

Hydraulic system

Hose rupture valve: boom, arm
Hydraulic oil, ISO VG 32
Hydraulic oil, ISO VG 68
Hydraulic oil, biodegradable 32
Hydraulic oil, biodegradable 46
Pilot control change
Straight travel pedal

Cab and interior

Fabric seat
Fabric seat with heater
Control joystick with semi-long levers
Control joystick with 5 switches each
Air-conditioner, manual
Falling object guard (FOG)
Cab-mounted falling object protective structures (FOPS)
Sunlight protection, roof (steel)
Rain shield, front
Safety screen for front window
Lower wiper
Anti-vandalism kit

Undercarriage

Full track guards
Undercover (heavy-duty 10 mm, 0.39")

Track shoes

900 mm, 36" track shoes with triple grousers

Service

Hand lamp
Spare parts
Tool kit, full scale

All products are not available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and designs without prior notice. The illustrations do not necessarily show the standard version of the machine.

VOLVO

Construction Equipment

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