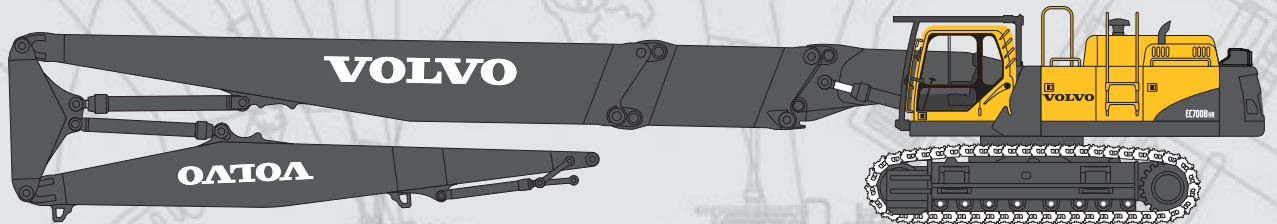


# VOLVO EXCAVATORS

# DEMOLITION

## EC210CLD - EC700CLD STANDARD DEMOLITION EC360CHR / EC460CHR / EC700BHR HIGH REACH DEMOLITION



### EC210CLD - EC700CLD Standard Demolition

- **Engine power, net :**  
110 kW (150 metric hp)  
to 316 kW (424 metric hp)
- **Operating weight :**  
21,7 t - 70,6 t
- **Maximum digging reach :**  
9,9 m - 11,5 m

### EC360CHR High Reach Demolition

- **Engine power, net :**  
205 kW (279 metric hp)
- **Operating weight :**  
43,0 t - 46,3 t
- **Additional counterweight :**  
3,8 t
- **Maximum pin height :**  
21,0 m

### EC460CHR High Reach Demolition

- **Engine power, net :**  
245 kW (333 metric hp)
- **Operating weight :**  
with backhoe : 52,6 t  
with 3-piece boom : 56,0 - 56,6 t
- **Additional counterweight :**  
3,8 t
- **Maximum pin height :**  
27,3 m

### EC700BHR Ultra High Reach Demolition

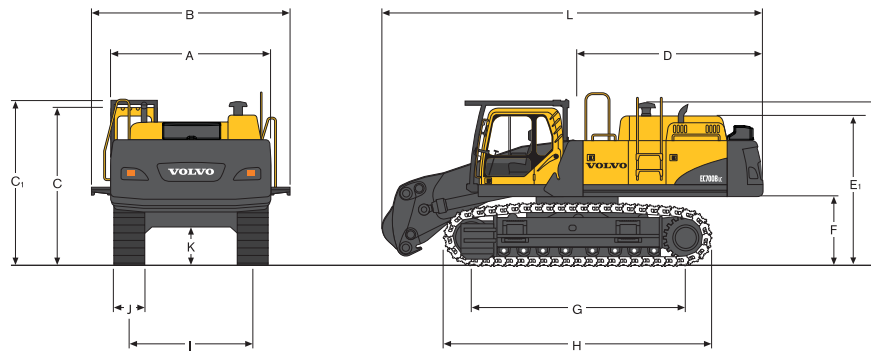
- **Engine power, net :**  
316 kW (424 metric hp)
- **Operating weight :**  
81,5 t - 88,5 t
- **Additional counterweight :**  
4,6 t
- **Maximum pin height :**  
29,0 m - 32,0 m

**MORE CARE. BUILT IN.**



# SPECIFICATIONS HIGH REACH / ULTRA HIGH REACH DEMOLITION

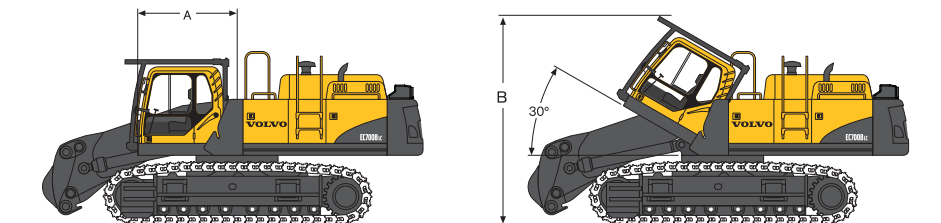
## Dimensions



### Dimensions of basic demolition machines

Description		EC360CHR Undercarriage long crawler (Standard)	EC360CHR Undercarriage hydraulically retractable	EC460CHR Undercarriage long crawler (Standard)	EC460CHR Undercarriage mechanically retractable	EC460CHR Undercarriage hydraulically retractable	EC700BHR Undercarriage mechanically retractable (Standard)	EC700BHR Undercarriage hydraulically retractable
A. Width superstructure	mm	2 990	2 990	2 990	2 990	2 990	3 420	3 420
B. Overall width with walkway	mm	3 320	3 320	3 590	3 590	3 590	4 290	4 290
Overall width with SIPS*	mm	3 190	3 190	3 190	3 190	3 190	-	-
Overall width with SIPS removed*	mm	3 055	3 055	3 055	3 055	3 055	-	-
C. Overall height	mm	3 200	3 200	3 260	3 260	3 257	3 480	3 480
C1. Overall height (including FOG)	mm	3 330	3 330	3 460	3 460	3 460	3 610	3 610
D. Tail swing radius	mm	3 560	3 560	3 880	3 880	3 880	4 090	4 090
E. Overall height of pre-cleaner	mm	-	-	-	-	-	3 590	3 590
E1. Overall height of engine hood	mm	2 700	2 700	2 750	2 750	2 750	-	-
F. Minimum counterweight clearance*	mm	1 210	1 210	1 275	1 275	1 275	1 510	1 510
G. Tumbler length	mm	4 240	4 240	4 370	4 370	4 370	4 750	4 750
H. Track length	mm	5 180	5 180	5 370	5 370	5 370	5 990	5 990
I. Track gauge (extended)	mm	2 740	3 380	2 740	2 890	3 380	3 350	3 740
Track gauge (retracted)	mm	-	2 390	-	2 390	2 400	2 750	2 750
J. Shoe width	mm	600	600	600	600	600	650	650
K. Minimum ground clearance*	mm	500	400	550	550	550	860	630
L. Overall length	mm	7 120	7 120	7 540	7 540	7 540	8 380	8 380
Total weight without additional counterweight	t	31,8	35,0	44,1	45,0	49,6	61,0	68,0

\*Without shoe grouser



### Dimensions of demolition machines tilting cab

Description		EC360CHR	EC460CHR	EC700BHR
A. Tilting cab length	mm	1 960	2 040	2 120
B. Cabin height when fully tilted	mm	4 135	4 260	4 450
Cab tilting angle	°	30°	30°	30°

## Dimensions

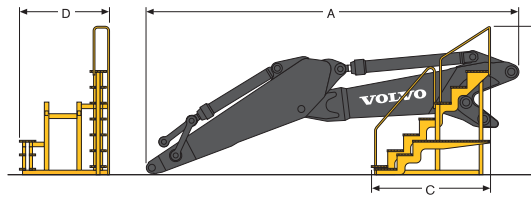


### Dimensions of the additional counterweight

Description		EC360CHR	EC460CHR	EC700BHR
A. Width additional counterweight	mm	1 050	1 060	1 450
B. Thickness additional counterweight	mm	620	620	670
C. Height additional counterweight	mm	1 470	1 470	1 650
Total weight additional counterweight	t	3,8	3,8	4,6

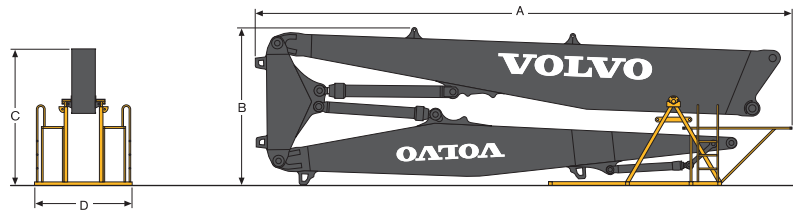
### CAUTION :

The machine can be transported with the digging boom fitted. If it's transported without digging boom but with additional counterweight (plus 3,8 to 4,6 t), take care of stability (tilting back) during the loading / unloading on truck.



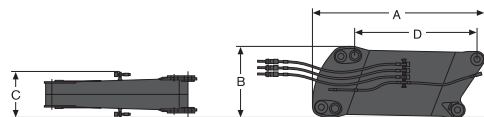
### Dimensions of backhoe equipment

Description		EC360CHR	EC460CHR	EC700BHR
A. Length - mounting to arm end	mm	7 070	8 489	8 220
B. Overall height	mm	2 050	2 482	3 280
C. Length of support cradle	mm	1 180	1 851	2 630
D. Width of support cradle	mm	1 130	2 259	1 984
Weight of digging boom with (standard dipper arm and) transport cradle	t	4,3	6,2 - 7,0	8,3
	(mm)	(2 610)	(2 600)	(3 550)



### Dimensions of 3-piece demolition boom in support cradle

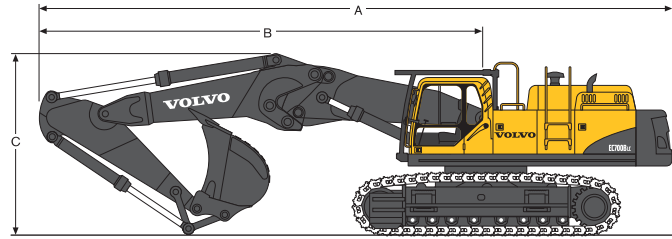
Description		EC360CHR	EC460CHR	EC700BHR
A. Overall length	mm	8 510	12 389	11 830
B. Overall height	mm	3 110	3 048	3 450
C. Length of support cradle	mm	2 170	1 997	3 010
D. Width of support cradle	mm	2 170	2 365	2 150
Weight of working equipment without attachment, including support cradle	t	8,3	9,2	12,0



### Dimensions of demolition boom extension

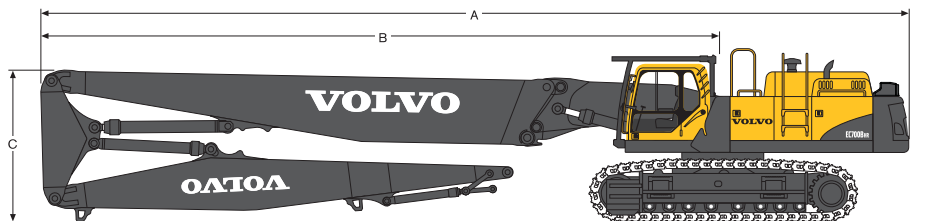
Description		EC700BHR
A. Overall length	mm	3 780
B. Overall height	mm	1 570
C. Overall Width	mm	970
D. Extension length	mm	3000
Weight of demolition boom extension	t	3,5

## Dimensions



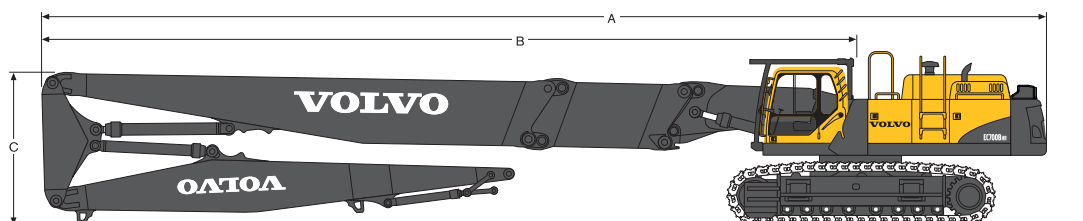
### Dimensions of demolition machine including backhoe equipment (position for transport)

Description		EC360CHR			EC460CHR				EC700BHR		
Boom		Straight boom 6,8 m			Straight boom 7,5 m				Straight boom 8,3 m		
Arm		2,6 m	3,2 m	3,9 m	2,55 m	3,35 m	3,9 m	4,8 m	2,9 m	3,6 m	4,2 m
A. Overall length	mm	11 650	11 600	11 470	12 740	12 730	12 710	12 370	13 920	13 760	13 660
B. Swing centre to front of equipment	mm	8 060	8 010	7 870	8 860	8 850	8 830	8 490	9 830	9 670	9 570
C. Maximum height of boom in transport position	mm	3 330	3 320	3 970	3 390	3 500	3 660	5 140	3 980	4 220	4 430
Operating weight, excluding bucket		t	37,1	37,2	37,3	55,8	56,1	56,3	56,6	67,5	68,0



### Dimensions of demolition machine including 3-piece demolition attachment

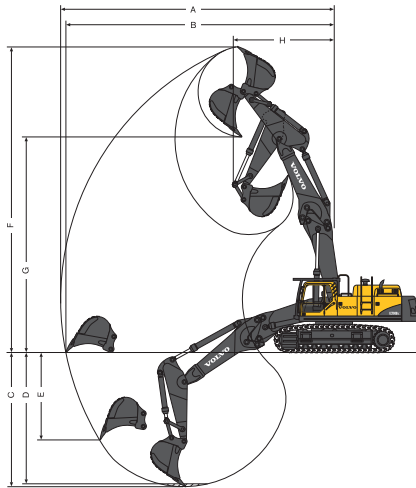
Description		EC360CHR	EC460CHR	EC700BHR
A. Overall length	mm	14 550	19 280	19 130
B. Swing centre to front of equipment	mm	10 960	15 400	15 040
C. Maximum height of boom in transport position	mm	3 110	3 070	3 350



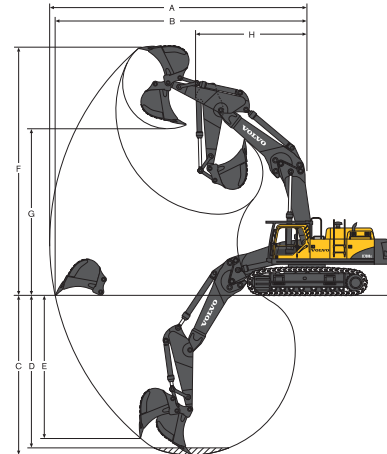
### Dimensions of demolition machine including 3-piece demolition attachment and boom extension

Description		EC700BHR
A. Overall length	mm	22 130
B. Swing centre to front of equipment	mm	18 040
C. Maximum height of boom in transport position	mm	3 340

## Working ranges & digging forces



Straight boom



Bent boom

### Working ranges of demolition machines with straight boom\*

Description		EC360CHR			EC460CHR				EC700BHR		
		Straight boom 6,8 m			Straight boom 7,5 m				Straight boom 8,3 m		
Arm		2,6 m	3,2 m	3,9 m	2,55 m	3,35 m	3,9 m	4,8 m	2,9 m	3,6 m	4,2 m
A. Maximum digging reach	mm	11 140	11 710	12 380	11 980	12 720	13 220	13 990	13 390	13 910	14 550
B. Maximum digging reach on ground	mm	10 930	11 510	12 190	11 780	12 500	13 020	13 800	13 130	13 660	14 300
C. Maximum digging depth	mm	5 090	5 680	6 380	5 660	6 460	7 010	7 910	6 580	7 160	7 810
D. Maximum digging depth (8' level)	mm	4 910	5 540	6 260	5 490	6 310	6 880	7 790	6 430	7 160	7 700
E. Maximum vertical wall digging depth	mm	2 560	3 980	4 820	4 250	4 960	5 420	6 350	4 290	4 930	5 470
F. Maximum cutting height	mm	12 840	13 330	13 920	13 220	13 710	14 010	14 450	14 970	15 300	15 780
G. Maximum dumping height	mm	9 430	9 920	10 520	9 540	10 040	10 420	10 820	10 560	11 030	11 520
H. Minimum front swing radius	mm	3 310	3 240	3 570	3 800	3 970	3 940	4 660	4 420	4 510	4 760

### Digging forces of demolition machines with straight boom\*

Description		EC360CHR			EC460CHR				EC700BHR		
		Straight boom 6,8 m			Straight boom 7,5 m				Straight boom 8,3 m		
Arm		2,6 m	3,2 m	3,9 m	2,55 m	3,35 m	3,9 m	4,8 m	2,9 m	3,6 m	4,2 m
Bucket tip radius	mm	1 620	1 620	1 620	1 810	1 810	1 810	1 810	2 150	2 150	2 150
Breakout force-bucket (Normal / Power boost) ISO	kN	222/243	222/243	222/243	253/277	253/277	253/277	253/277	326/356	326/356	326/356
Tearout force-arm (Normal / Power boost) ISO	kN	201/219	166/181	144/157	231/253	195/214	174/190	158/173	303/332	265/290	236/258
Rotation angle, bucket	°	177	177	177	183	183	183	183	173	173	173

### Working ranges of demolition machines with bent boom\*

Description		EC360CHR			EC460CHR				EC700BHR		
		Bent boom 6,5 m			Bent boom 7,0 m				Bent boom 7,7 m		
Arm		2,6 m	3,2 m	3,9 m	2,55 m	3,35 m	3,9 m	4,8 m	2,9 m	3,6 m	4,2 m
A. Maximum digging reach	mm	10 590	11 130	11 790	11 310	11 990	12 480	13 180	12 600	13 070	13 660
B. Maximum digging reach on ground	mm	10 380	10 920	11 590	11 070	11 760	12 270	12 980	12 330	12 810	13 400
C. Maximum digging depth	mm	6 290	6 890	7 590	6 920	7 720	8 270	9 170	7 830	8 430	8 980
D. Maximum digging depth (8' level)	mm	6 120	6 740	7 470	6 750	7 570	8 140	9 050	7 680	8 300	8 850
E. Maximum vertical wall digging depth	mm	4 890	5 360	5 960	5 480	5 900	6 330	6 680	7 020	7 720	8 220
F. Maximum cutting height	mm	11 040	11 320	11 690	10 730	10 840	11 000	10 890	12 250	12 280	12 530
G. Maximum dumping height	mm	7 820	8 110	8 490	7 320	7 500	7 670	7 650	8 160	8 360	8 610
H. Minimum front swing radius	mm	3 732	3 660	3 710	5 180	5 070	5 040	5 070	5 490	5 240	5 340

### Digging forces of demolition machines with bent boom\*

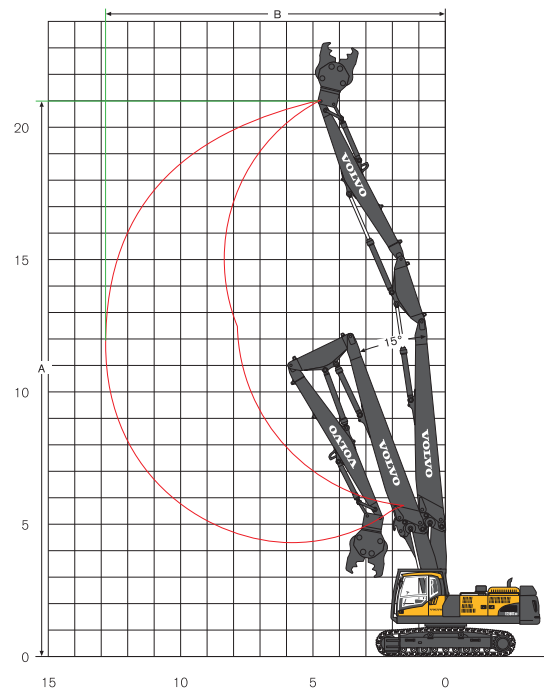
Description		EC360CHR			EC460CHR				EC700BHR		
		Bent boom 6,5 m			Bent boom 7,0 m				Bent boom 7,7 m		
Arm		2,6 m	3,2 m	3,9 m	2,55 m	3,35 m	3,9 m	4,8 m	2,9 m	3,6 m	4,2 m
Bucket tip radius	mm	1 620	1 620	1 620	1 810	1 810	1 810	1 810	2 150	2 150	2 150
Breakout force-bucket (Normal / Power boost) ISO	kN	222/243	222/243	222/243	253/277	253/277	253/277	253/277	326/356	326/356	326/356
Tearout force-arm (Normal / Power boost) ISO	kN	201/219	166/181	144/157	231/253	195/214	174/190	158/173	303/332	265/290	236/258
Rotation angle, bucket	°	177	177	177	183	183	183	183	173	173	173

\*Data with direct fit bucket

## Working ranges & digging forces

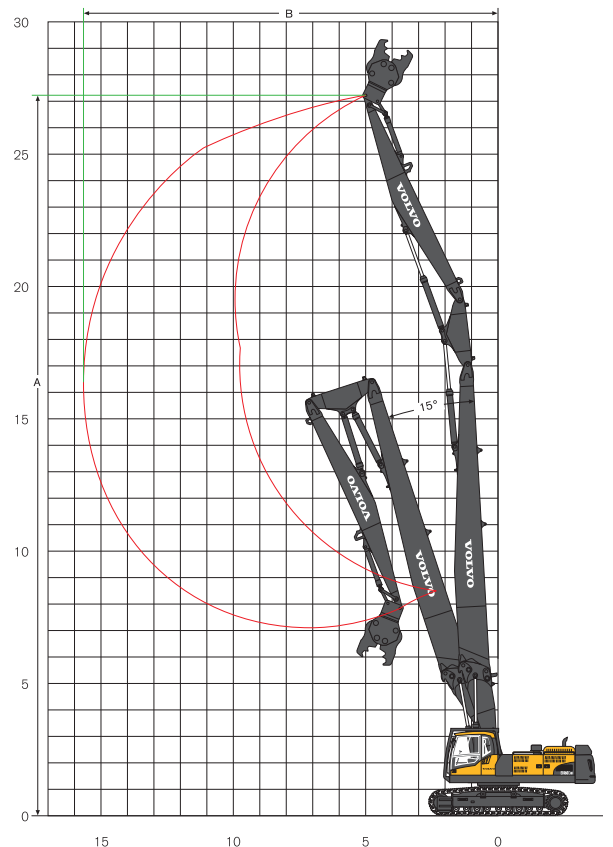
### EC360CHR demolition machine with 3-piece demolition boom

Description		EC360CHR
A. Maximum pin height	mm	21 000
B. Maximum pin reach	mm	12 900
Maximum tool weight	t	3,0



### EC460CHR demolition machine with 3-piece demolition boom

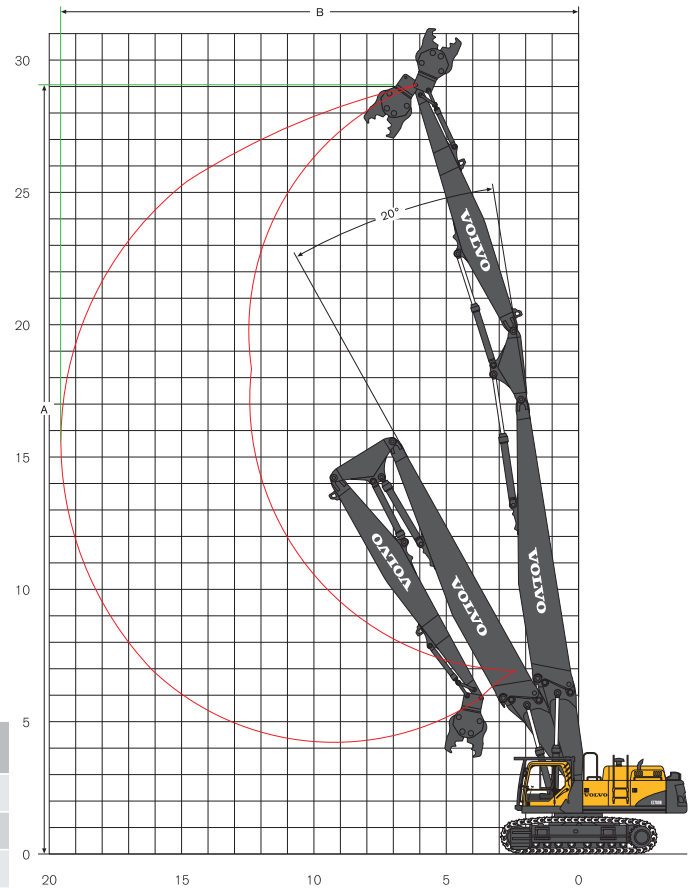
Description		EC460CHR
A. Maximum pin height	mm	27 250
B. Maximum pin reach	mm	16 620
Maximum tool weight	t	3,0



## Working ranges & digging forces

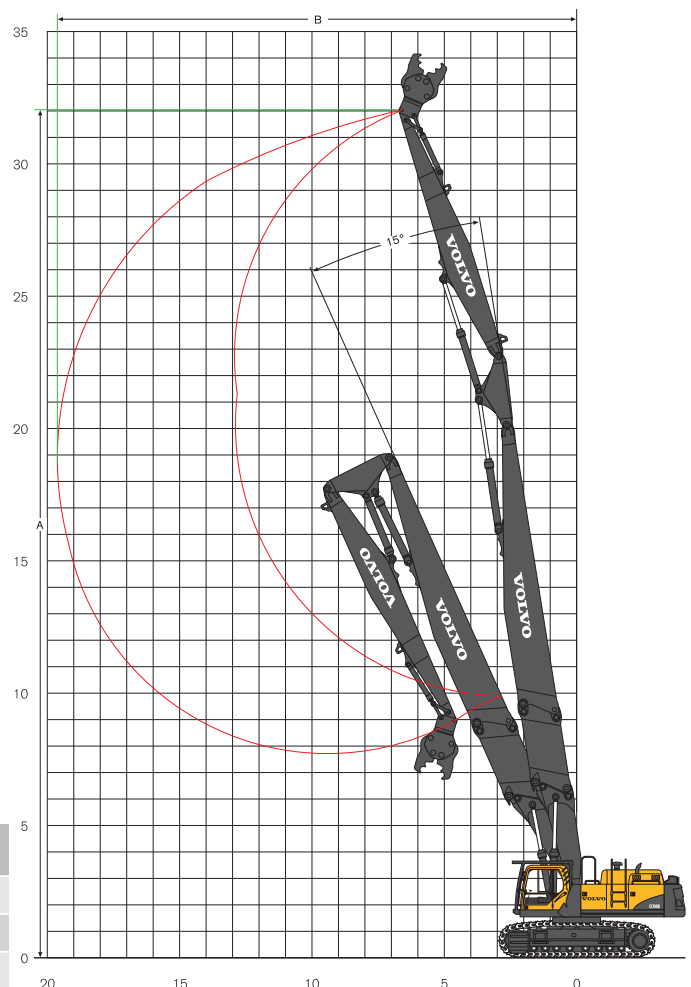
### EC700BHR demolition machine with 3-piece demolition boom

Description		EC700BHR
A. Maximum pin height	mm	29 050
B. Maximum pin reach	mm	19 550
Maximum tool weight		t
		3,5



### EC700BHR demolition machine with 3-piece demolition boom and boom extension





















Description		EC700BHR
A. Maximum pin height	mm	32 010
B. Maximum pin reach	mm	19 620
Maximum tool weight with extension		t
		2,5



## Lifting capacity EC360CHR

At the arm end without bucket.

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






















 Across undercarriage  Along undercarriage	Lifting hook related to ground level	1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		10,5 m		12,0 m		Maximum reach		Max. m		
																						
LC undercarriage (standard)	7,5 m/t																		*9,8	8,7	7,1	
	6,0 m/t								*10,4	*10,4		7,8								*9,7	6,9	8,0
Bent boom 6,5 m	4,5 m/t																			9,4	6,0	8,6
	3,0 m/t							*15,4	*15,4													8,6
Arm 2,6 m	1,5 m/t																					8,9
	0,0 m/t							*19,2	14,0	15,4	9,2	10,9	6,7									8,9
Counterweight 7 300 kg	-1,5 m/t																					8,1
	-3,0 m/t			*13,4	*13,4	*20,7	14,0	15,3	9,1	10,9	6,7											8,1
	-4,5 m/t			*24,8	*24,8	*18,8	14,3	*14,4	9,2													7,2
LC undercarriage (standard)	7,5 m/t																					7,7
	6,0 m/t																					8,6
Bent boom 6,5 m	4,5 m/t																					9,1
	3,0 m/t							*13,8	*13,8	*11,1	11,0	*9,7	7,7	*8,6	5,6							9,4
Arm 3,2 m	1,5 m/t							*20,5	14,5	*14,6	9,6	11,2	7,0	8,5	5,3							9,4
	0,0 m/t							*21,6	14,0	15,5	9,2	11,0	6,7	8,4	5,2							9,2
Counterweight 7 300 kg	-1,5 m/t																					8,7
	-3,0 m/t			*13,7	*13,7	*21,3	13,9	15,3	9,1	10,8	6,6											8,7
	-4,5 m/t			*22,9	*22,9	17,0	14,5	*12,7	9,4													7,9
LC undercarriage (standard)	9,0 m/t																					7,3
	7,5 m/t																					8,5
Bent boom 6,5 m	6,0 m/t																					9,3
	4,5 m/t																					9,8
Arm 3,9 m	3,0 m/t							*15,9	*15,9	*12,0	10,6	*10,0	7,5	8,9	5,6							10,0
	1,5 m/t							*19,3	15,0	*13,9	9,9	*11,1	7,1	8,6	5,4							10,1
Counterweight 7 300 kg	0,0 m/t							*8,3	*8,3	*21,2	14,2	*15,2	9,4	11,1	6,8	8,4	5,2					9,8
	-1,5 m/t			*8,8	*8,8	*12,9	*12,9	*21,6	13,9	15,4	9,1	10,9	6,7	8,3	5,2							9,4
	-3,0 m/t			*13,7	*13,7	*18,8	*18,8	*20,8	14,0	15,3	9,1	10,8	6,6									8,6
LC undercarriage (standard)	10,5 m/t																					5,8
	9,0 m/t																					7,5
Straight boom 6,8 m	7,5 m/t																					9,3
	6,0 m/t																					9,8
Arm 2,6 m	4,5 m/t																					9,5
	3,0 m/t																					9,2
Counterweight 7 300 kg	1,5 m/t																					9,2
	0,0 m/t																					8,8
	-1,5 m/t																					7,7
LC undercarriage (standard)	10,5 m/t																					5,4
	9,0 m/t																					7,3
Straight boom 6,8 m	7,5 m/t																					9,3
	6,0 m/t																					9,8
Arm 3,2 m	4,5 m/t																					10,0
	3,0 m/t																					10,0
Counterweight 7 300 kg	1,5 m/t																					9,8
	0,0 m/t																					9,4
	-1,5 m/t																					8,6
LC undercarriage (standard)	12,0 m/t																					3,9
	10,5 m/t																					6,6
Straight boom 6,8 m	9,0 m/t																					8,2
	7,5 m/t																					9,3
Arm 3,9 m	6,0 m/t																					10,7
	4,5 m/t																					10,5
Counterweight 7 300 kg	3,0 m/t																					10,7
	1,5 m/t																					10,7
	0,0 m/t																					10,5

- Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
  2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
  3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Lifting capacity EC360CHR

At the arm end without bucket.

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




















 Across undercarriage  Along undercarriage	Lifting hook related to ground level	1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		10,5 m		12,0 m		Maximum reach		Max. m			
																							
Undercarriage hydraulically retractable	7,5 m/t																		*9,8	*9,8	7,1		
	6,0 m/t								*10,4	*10,4	*9,7	*9,7								*9,7	*9,7	8,0	
	4,5 m/t					*15,4	*15,4		*11,9	*11,9	*10,3	*10,3								*9,8	8,6	8,6	
Bent boom 6,5 m	3,0 m/t								*13,7	*13,7	*11,2	10,4								9,6	8,0	8,9	
	1,5 m/t								*15,1	14,1	*12,0	10,1								9,4	7,9	8,9	
Arm 2,6 m	0,0 m/t					*19,2	*19,2	*15,8	13,8	11,9	9,9									9,7	8,1	8,6	
	-1,5 m/t			*13,4	*13,4	*20,7	*20,7	*15,6	13,7	11,9	9,9									10,6	8,8	8,1	
Counterweight 7 300 kg	-3,0 m/t			*24,8	*24,8	*18,8	*18,8	*14,4	13,8											*11,3	10,5	7,2	
	-4,5 m/t			*19,6	*19,6	*15,1	*15,1														*11,2	*11,2	5,9
Undercarriage hydraulically retractable	7,5 m/t									*8,8	*8,8									*7,5	*7,5	7,7	
	6,0 m/t									*9,0	*9,0									*7,3	*7,3	8,6	
	4,5 m/t					*13,8	*13,8	*11,1	*11,1	*9,7	*9,7	*8,6	8,1							*7,4	*7,4	9,1	
Bent boom 6,5 m	3,0 m/t					*17,7	*17,7	*12,9	*12,9	*10,7	10,6	9,5	7,9							*7,7	7,4	9,4	
	1,5 m/t					*20,5	*20,5	*14,6	14,3	*11,6	10,2	9,3	7,8							*8,3	7,2	9,4	
Arm 3,2 m	0,0 m/t					*21,6	*21,6	*15,6	13,8	12,0	9,9	9,1	7,6							8,9	7,4	9,2	
	-1,5 m/t			*13,7	*13,7	*21,3	*21,3	*15,8	13,6	11,8	9,8									9,6	8,0	8,7	
Counterweight 7 300 kg	-3,0 m/t	*16,2	*16,2	*21,8	*21,8	*19,9	*19,9	*15,0	13,7	*11,6	9,9									*10,7	9,2	7,9	
	-4,5 m/t			*22,9	*22,9	*17,0	*17,0	*12,7	*12,7												*11,0	*11,0	6,6
Undercarriage hydraulically retractable	9,0 m/t																			*6,4	*6,4	7,3	
	7,5 m/t									*7,8	*7,8									*6,0	*6,0	8,5	
	6,0 m/t									*8,1	*8,1	*7,4	*7,4							*5,9	*5,9	9,3	
Bent boom 6,5 m	4,5 m/t							*10,0	*10,0	*9,0	*9,0	*8,4	8,3							*5,9	*5,9	9,8	
	3,0 m/t					*15,9	*15,9	*12,0	*12,0	*10,0	*10,0	*9,0	8,1							*6,1	*6,1	10,0	
Arm 3,9 m	1,5 m/t					*19,3	*19,3	*13,9	*13,9	*11,1	10,4	9,4	7,9							*6,5	*6,5	10,1	
	0,0 m/t			*8,3	*8,3	*21,2	*21,2	*15,2	14,0	*12,0	10,0	9,2	7,7							*7,2	6,8	9,8	
Counterweight 7 300 kg	-1,5 m/t	*8,8	*8,8	*12,9	*12,9	*21,6	*21,6	*15,8	13,7	11,9	9,8	9,1	7,6							*8,3	7,2	9,4	
	-3,0 m/t	*13,7	*13,7	*18,8	*18,8	*20,8	*20,8	*15,5	13,6	11,8	9,8									9,7	8,1	8,6	
	-4,5 m/t	*19,6	*19,6	*26,2	*26,2	*18,7	*18,7	*14,1	13,8	*10,5	10,0									*10,4	10,0	7,5	
	-6,0 m/t			*19,7	*19,7	*14,3	*14,3														*10,6	*10,6	5,8
Undercarriage hydraulically retractable	10,5 m/t																			*16,9	*16,9	4,3	
	9,0 m/t					*15,7	*15,7	*13,9	*13,9												*12,9	*12,9	6,5
	7,5 m/t					*14,2	*14,2	*13,7	*13,7	*12,0	11,1										*11,4	10,3	7,8
Straight boom 6,8 m	6,0 m/t					*17,9	*17,9	*14,4	*14,4	*12,1	11,0									10,2	8,5	8,7	
	4,5 m/t							*15,3	15,1	*12,4	10,6	9,4	7,9							9,1	7,6	9,2	
Arm 2,6 m	3,0 m/t							*16,0	14,4	12,3	10,3	9,3	7,8							8,6	7,2	9,5	
	1,5 m/t							*15,9	13,8	12,0	10,0	9,1	7,6							8,5	7,1	9,5	
Counterweight 7 300 kg	0,0 m/t							*14,7	13,5	*11,7	9,8	*8,8	7,5							8,1	7,3	9,2	
	-1,5 m/t					*14,3	*14,3	*12,6	*12,6	*10,0	9,7										*7,0	*7,0	8,8
	-3,0 m/t							*9,2	*9,2	*6,7	*6,7										*6,1	*6,1	7,7
	10,5 m/t					*13,2	*13,2														*10,2	*10,2	5,4
Undercarriage hydraulically retractable	9,0 m/t							*12,0	*12,0												*8,3	*8,3	7,3
	7,5 m/t					*10,8	*10,8	*11,9	*11,9	*11,4	11,3										*7,5	*7,5	8,5
	6,0 m/t			*10,6	*10,6	*12,5	*12,5	*13,3	*13,3	*11,7	11,2	9,7	8,2								*7,2	*7,2	9,3
Straight boom 6,8 m	4,5 m/t					*19,7	*19,7	*14,8	*14,8	*12,1	10,8	9,6	8,1								*7,0	7,0	9,8
	3,0 m/t							*15,8	14,6	12,5	10,4	9,4	7,9								*7,1	6,6	10,0
Arm 3,2 m	1,5 m/t							*16,0	14,0	12,1	10,0	9,2	7,7								*7,4	6,5	10,0
	0,0 m/t					*11,8	*11,8	*15,3	13,6	11,8	9,8	9,0	7,5								*7,8	6,7	9,8
Counterweight 7 300 kg	-1,5 m/t					*16,5	*16,5	*13,6	13,5	*10,8	9,7	*7,9	7,5								*6,9	*6,9	9,4
	-3,0 m/t					*12,5	*12,5	*10,7	*10,7	*8,3	*8,3										*5,5	*5,5	8,6
Undercarriage hydraulically retractable	12 m/t																				*10,8	*10,8	3,9
	10,5 m/t							*9,8	*9,8												*7,6	*7,6	6,6
	9,0 m/t							*9,7	*9,7	*9,1	*9,1										*6,5	*6,5	8,2
Straight boom 6,8 m	7,5 m/t							*9,3	*9,3	*9,7	*9,7	*7,7	*7,7								*6,0	*6,0	9,3
	6,0 m/t					*8,7	*8,7	*10,0	*10,0	*10,4	*10,4	*9,6	8,4								*5,7	*5,7	10,0
Arm 3,9 m	4,5 m/t					*15,9	*15,9	*13,4	*13,4	*11,7	11,1	9,8	8,2								*5,6	*5,6	10,4
	3,0 m/t							*15,4	15,0	*12,3	10,6	9,5	8,0	7,4	6,3						*5,7	*5,7	10,7
Counterweight 7 300 kg	1,5 m/t							*16,0	14,0	12,1	10,0	9,2	7,7								*5,9	*5,9	10,7
	0,0 m/t					*13,6	*13,6	*15,8	13,7	11,9	9,9	9,1	7,6	*6,6	6,1						*6,2	6,1	10,5
	-1,5 m/t			*8,0	*8,0	*17,5	*17,5	*14,5	13,5	*11,5	9,7	*9,0	7,5								*6,7	6,4	10,1
	-3,0 m/t					*15,0	*15,0	*12,2	*12,2	*9,6	*9,6	*6,9	*6,9								*5,6	*5,6	9,4
	-4,5 m/t							*8,6	*8,6	*6,3	*6,3										*6,2	*6,2	7,6

- Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
  2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
  3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

## Lifting capacity EC460CHR

At the arm end without bucket.

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

 Across undercarriage  Along undercarriage	Lifting hook related to ground level	1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		10,5 m		Maximum reach						
																			Max. m			
Mechanically retractable undercarriage	9,0 m/t																	*12,5	*12,5	6,6		
	7,5 m/t																		*11,6	9,7	7,8	
	6,0 m/t																			*11,3	8,0	8,7
	4,5 m/t																			*11,4	7,1	9,2
Bent boom 7,0 m	3,0 m/t																			10,7	6,6	9,4
	1,5 m/t																			10,5	6,4	9,4
Arm 2,55 m	0,0 m/t																			10,8	6,5	9,2
	-1,5 m/t																			11,7	7,0	8,7
	-3,0 m/t																			*13,3	8,2	7,8
Counterweight 9 400 kg	-4,5 m/t																			*12,9	10,9	6,5
	-6,0 m/t																					
Mechanically retractable undercarriage	9,0 m/t																			*9,2	*9,2	7,5
	7,5 m/t																			*8,7	8,4	8,7
	6,0 m/t																			*8,5	7,1	9,4
	4,5 m/t																			*8,7	6,3	9,9
Bent boom 7,0 m	3,0 m/t																			*9,0	5,9	10,1
	1,5 m/t																			9,4	5,7	10,1
Arm 3,35 m	0,0 m/t																			9,6	5,8	9,9
	-1,5 m/t																			10,3	6,1	9,4
	-3,0 m/t																			*11,7	6,9	8,6
Counterweight 9 400 kg	-4,5 m/t																			*12,6	8,6	7,5
	-6,0 m/t																					
Mechanically retractable undercarriage	9,0 m/t																			*7,3	*7,3	8,2
	7,5 m/t																			*7,0	*7,0	9,2
	6,0 m/t																			*6,9	6,5	9,9
	4,5 m/t																			*7,0	5,8	10,4
Bent boom 7,0 m	3,0 m/t																			*7,2	5,4	10,6
	1,5 m/t																			*7,7	5,2	10,6
Arm 3,90 m	0,0 m/t																			*8,4	5,3	10,4
	-1,5 m/t																			9,4	5,5	9,9
	-3,0 m/t																			10,5	6,2	9,2
Counterweight 9 400 kg	-4,5 m/t																			*12,0	7,4	8,1
	-6,0 m/t																			*12,0	10,4	6,6
Mechanically retractable undercarriage	9,0 m/t																			*8,6	7,3	9,7
	7,5 m/t																			*9,0	8,2	10,3
	6,0 m/t																			*8,8	6,3	10,3
	4,5 m/t																			*9,1	5,3	10,8
Bent boom 7,0 m	3,0 m/t																			*8,6	5,3	11,0
	1,5 m/t																			8,4	5,1	11,0
Arm 4,80 m	0,0 m/t																			8,5	5,1	10,8
	-1,5 m/t																			8,9	5,3	10,3
	-3,0 m/t																			9,8	5,8	9,7
Counterweight 9 400 kg	-4,5 m/t																			11,5	6,8	8,6
	-6,0 m/t																			*13,3	9,0	7,2
LC undercarriage (standard)	9,0 m/t																			*12,5	*12,5	6,6
	7,5 m/t																			*11,6	9,6	7,8
	6,0 m/t																			*11,3	7,9	8,7
	4,5 m/t																			11,2	6,9	9,2
Bent boom 7,0 m	3,0 m/t																			10,5	6,5	9,4
	1,5 m/t																			10,3	6,3	9,4
Arm 2,55 m	0,0 m/t																			10,6	6,4	9,2
	-1,5 m/t																			11,5	6,9	8,7
	-3,0 m/t																			*13,3	8,1	7,8
Counterweight 9 400 kg	-4,5 m/t																			*12,9	10,7	6,5
	-6,0 m/t																					
LC undercarriage (standard)	9,0 m/t																			*9,2	*9,2	7,5
	7,5 m/t																			*8,7	8,2	8,7
	6,0 m/t																			*8,5	6,9	9,4
	4,5 m/t																			*8,7	6,2	9,9
Bent boom 7,0 m	3,0 m/t																			*9,0	5,8	10,1
	1,5 m/t																			9,3	5,6	10,1
Arm 3,35 m	0,0 m/t																			9,4	5,7	9,9
	-1,5 m/t																			10,1	6,0	9,4
	-3,0 m/t																			11,4	6,8	8,6
Counterweight 9 400 kg	-4,5 m/t																			*12,6	8,5	7,5
	-6,0 m/t																					



















- Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
  2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
  3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.



## Lifting capacity EC460CHR

At the arm end without bucket.

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




















 Across undercarriage  Along undercarriage	Lifting hook related to ground level	1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		10,5 m		Maximum reach					
																		Max. m			
Mechanically retractable undercarriage	12,0 m/t																				
	10,5 m/t																		*15,0	*15,9	5,8
	9,0 m/t								*15,7	*15,7	*13,0	10,7							*12,5	10,7	7,5
	7,5 m/t						*18,1	*18,1	*16,2	15,6	*14,1	10,8							*11,5	8,4	8,7
	6,0 m/t								*17,5	14,8	*14,6	10,5	11,8	7,8					10,9	7,1	9,4
Straight boom 7,5 m	4,5 m/t							*19,1	13,7	*15,3	10,0	11,6	7,6					9,9	6,5	9,9	
	3,0 m/t							*20,3	12,9	14,9	9,5	11,3	7,3					9,5	6,1	10,1	
	1,5 m/t								*20,2	12,3	14,5	9,1	11,1	7,1				9,4	6,0	10,1	
Arm 2,55 m	0,0 m/t							*19,1	12,2	14,3	8,9	11,0	7,0					9,7	6,2	9,9	
	-1,5 m/t					*13,9	*13,9	*17,1	12,2	*14,1	8,9	11,0	7,0					*9,8	6,7	9,4	
	-3,0 m/t								*14,1	12,5	*11,5	9,1									8,6
Counterweight 9 400 kg	-4,5 m/t																				
	-6,0 m/t																				
	12,0 m/t																				
Mechanically retractable undercarriage	10,5 m/t							*13,9	*13,9									*10,4	*10,4	7,0	
	9,0 m/t							*13,6	*13,6	*13,0	11,2							*9,1	8,9	8,5	
	7,5 m/t							*13,9	*13,9	*13,1	11,1	*12,0	8,0					*8,6	7,2	9,5	
	6,0 m/t						*19,4	*19,4	*16,3	15,2	*13,7	10,7	12,0	7,9					*8,3	6,3	10,2
	Straight boom 7,5 m	4,5 m/t							*18,0	14,2	*14,6	10,1	11,7	7,6	9,0	5,9			*8,2	5,7	10,6
3,0 m/t								*19,5	13,1	15,0	9,5	11,3	7,3	8,9	5,7			*8,4	5,4	10,8	
1,5 m/t									*20,1	12,3	14,4	9,1	11,0	7,0	8,8	5,6		8,4	5,3	10,8	
Arm 3,35 m	0,0 m/t							*19,6	11,2	14,1	8,8	10,8	6,8	8,7	5,5			8,6	5,5	10,6	
	-1,5 m/t					*15,9	*15,9	*18,2	11,9	14,0	8,7	10,7	6,8					9,1	5,8	10,2	
	-3,0 m/t					*18,4	*18,4	*15,7	12,0	*12,8	8,8	*9,8	6,9					*8,4	6,5	9,5	
Counterweight 9 400 kg	-4,5 m/t							*12,0	*12,0	*9,4	9,1										7,9
	-6,0 m/t																				
	12,0 m/t																				
Mechanically retractable undercarriage	10,5 m/t									*9,7	*9,7							*10,0	*10,0	5,7	
	9,0 m/t									*11,4	*11,4	*8,3	8,1					*8,1	*8,1	7,8	
	7,5 m/t									*11,9	*11,2	*11,2	8,2					*7,3	*7,3	9,1	
	6,0 m/t								*13,5	*13,5	*13,1	10,8	*11,6	8,0	*8,7	6,0		*6,6	5,7	10,7	
	Straight boom 7,5 m	4,5 m/t					*22,9	22,5	*17,1	14,4	*14,0	10,2	11,7	7,6	9,1	5,9			*6,6	5,2	11,2
3,0 m/t								*18,8	13,3	*14,9	9,6	11,3	7,3	8,9	5,7			*6,7	5,0	11,2	
1,5 m/t									*19,8	12,4	14,4	9,0	11,0	7,0	8,7	5,5		*7,0	4,9	11,4	
Arm 3,9 m	0,0 m/t					*10,9	*10,9	*19,7	11,8	14,0	8,7	10,7	6,7	8,6	5,4			*7,4	4,5	11,2	
	-1,5 m/t					*16,1	*16,1	*18,7	11,7	13,8	8,5	10,6	6,6	8,5	5,4			*8,1	5,2	10,7	
	-3,0 m/t					*20,3	18,4	*16,6	11,7	*13,4	8,5	10,6	6,6					*8,2	5,8	10,1	
Counterweight 9 400 kg	-4,5 m/t							*13,4	12,0	*10,7	8,7	*7,4	6,9					*7,2	6,9	9,0	
	-6,0 m/t																				
	12,0 m/t																				
Mechanically retractable undercarriage	10,5 m/t									*9,7	*9,7							*10,7	*10,7	6,7	
	9,0 m/t									*9,6	*9,6	*8,9	8,5					*9,3	9,3	8,5	
	7,5 m/t									*9,9	*9,9	*9,0	8,5	*8,4	6,3			*8,3	6,1	10,5	
	6,0 m/t											*9,4	8,3	*8,5	6,2			*8,1	5,4	11,3	
	Straight boom 7,5 m	4,5 m/t										*9,9	8,0	*8,7	6,1	7,7			*7,7	4,9	11,7
3,0 m/t											*10,4	7,6	*9,0	5,9	7,4			*7,4	4,7	11,9	
1,5 m/t											*10,8	7,2	8,9	5,7	7,3			*7,3	4,6	11,9	
Arm 4,8 m	0,0 m/t										*10,9	6,9	8,7	5,5	7,4			*7,4	4,6	11,7	
	-1,5 m/t										*10,6	6,7	8,6	5,4	*7,7			*7,7	4,9	11,3	
	-3,0 m/t										*9,9	6,7	*7,6	5,4	*7,4			*7,4	5,3	10,6	
Counterweight 9 400 kg	-4,5 m/t							*13,2	11,9	*10,6	8,7	*8,2	6,8					*6,9	6,1	9,7	
	-6,0 m/t							*9,8	*9,8	*7,6	*7,6							*7,0	*7,0	7,9	
	12,0 m/t																				
LC undercarriage (standard)	10,5 m/t																	*14,9	*14,9	5,8	
	9,0 m/t																	*12,5	10,0	7,5	
	7,5 m/t						*18,0	*18,0	*16,2	14,6	*14,1	10,1						*11,5	7,8	8,7	
	6,0 m/t								*17,5	13,8	*14,6	9,7	11,6	7,2				10,7	6,6	9,4	
	Straight boom 7,5 m	4,5 m/t							*19,1	12,8	15,1	9,3	11,3	7,0					9,7	6,0	9,9
3,0 m/t								*20,3	11,8	14,6	8,8	11,1	6,8					9,3	5,6	10,1	
1,5 m/t									19,9	11,3	14,2	8,4	10,9	6,6				9,2	5,6	10,1	
Arm 2,55 m	0,0 m/t							*19,1	11,2	14,0	8,2	10,7	6,4					9,5	5,7	9,9	
	-1,5 m/t					*13,9	*13,9	*17,1	11,2	13,9	8,2	10,8	6,5					*9,8	6,2	9,4	
	-3,0 m/t								*14,1	11,5	*11,5	8,4						*8,4	7,1	8,6	
Counterweight 9 400 kg	-4,5 m/t																				
	-6,0 m/t																				
	12,0 m/t																				
LC undercarriage (standard)	10,5 m/t									*13,9	*13,9							*10,4	*10,4	7,0	
	9,0 m/t									*13,6	*13,6	*13,0	10,5					*9,1	8,2	8,5	
	7,5 m/t									*13,9	*13,9	*13,1	10,3	11,9	7,5			*8,6	6,7	9,5	
	6,0 m/t												*9,9	11,7	7,3			*8,3	5,8	10,2	
	Straight boom 7,5 m	4,5 m/t									*18,0	13,1	*14,6	9,4	11,4	7,1	8,9	5,4	*8,3	5,3	10,6
3,0 m/t										*19,5	12,1	14,7	8,8	11,1	6,7	8,7	5,3	8,3	5,0	10,8	
1,5 m/t										19,9	11,3	14,1	8,4	10,8	6,5	8,6	5,2	8,2	4,9	10,8	
Arm 3,35 m	0,0 m/t									19,5	11,0	13,8	8,1	10,6	6,3	8,5	5,1	8,4	5,0	10,6	
	-1,5 m/t					*15,9	*15,9	*18,2	10,9	13,7	8,0	10,5	6,2					8,9	5,4	10,2	
	-3,0 m/t					*18,4	17,3	*15,7	11,0	*12,8	8,1	*9,8	6,4					*8,4	6,0	9,5	
Counterweight 9 400 kg	-4,5 m/t							*12,0	11,4	*9,4	8,3							*8,7	7,9	7,9	
	-6,0 m/t																				
	12,0 m/t																				

- Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
  2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
  3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Lifting capacity EC460CHR

At the arm end without bucket.

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






















 Across undercarriage  Along undercarriage	Lifting hook related to ground level	1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		10,5 m		Maximum reach				
																			Max. m	
LC undercarriage (standard)	12,0 m/t																	*10,0	*10,0	5,7
	10,5 m/t										*9,7	*9,7						*8,1	*8,1	7,8
	9,0 m/t										*11,4	10,7	*8,3	7,5				*7,3	*7,3	9,1
	7,5 m/t										*11,9	10,5	*11,2	7,6				*6,8	6,0	10,1
	6,0 m/t										*13,5	*13,5	*13,1	10,1	*11,6	7,4	*8,7	5,5	*6,6	5,3
Straight boom 7,5 m	4,5 m/t					*22,9	20,8	*17,1	13,4	*14,0	9,5	11,5	7,1	8,9	5,4	*6,6	4,8	11,2		
	3,0 m/t							*18,8	12,2	14,7	8,9	11,1	6,7	8,7	5,2	*6,7	4,6	11,4		
Arm 3,9 m	1,5 m/t							*19,8	11,4	14,1	8,3	10,7	6,4	8,5	5,1	*7,0	4,5	11,4		
	0,0 m/t					*10,9	*10,9	19,4	10,8	13,7	8,0	10,5	6,2	8,4	5,0	*7,4	4,6	11,2		
Counterweight 9 400 kg	-1,5 m/t					*16,1	*16,1	*18,7	10,7	13,5	7,8	10,4	6,1	8,4	4,9	*8,1	4,8	10,7		
	-3,0 m/t					*20,3	16,8	*16,6	10,7	*13,4	7,8	10,4	6,1				*8,2	5,3	10,1	
	-4,5 m/t							*13,4	11,0	*10,7	8,0	*7,4	6,4				*7,2	6,4	9,0	
LC undercarriage (standard)	12,0 m/t																	*12,4	*12,4	6,7
	10,5 m/t										*11,2	11,1						*10,9	8,7	8,5
	9,0 m/t										*11,0	*11,0	*10,4	8,0				*10,8	6,7	9,8
	7,5 m/t										*11,5	11,1	*10,5	8,0	9,3	5,8	9,1	5,6	10,7	
	6,0 m/t												*10,9	7,8	9,3	5,8	8,1	5,0	11,3	
Straight boom 7,5 m	4,5 m/t												*11,5	7,4	9,1	5,6	7,5	4,6	11,7	
	3,0 m/t												11,5	7,1	8,9	5,4	7,2	4,3	11,9	
Arm 4,8 m	1,5 m/t												11,0	6,7	8,7	5,2	7,1	4,2	11,9	
	0,0 m/t												10,7	6,4	8,5	5,0	7,2	4,3	11,7	
Counterweight 9 400 kg	-1,5 m/t												10,5	6,2	8,4	4,9	7,6	4,5	11,3	
	-3,0 m/t									13,6	7,8	10,4	6,1	8,4	4,9	8,2	4,9	10,6		
	-4,5 m/t								*15,6	*11,7	*12,6	7,9	*9,8	6,2			8,3	5,6	9,7	
	-6,0 m/t							*11,7	11,3	*9,2	8,3						8,5	7,8	7,9	
	12,0 m/t																			
Hydraulically retractable undercarriage	10,5 m/t																	*14,9	*14,9	5,8
	9,0 m/t																	*12,5	*12,5	7,5
	7,5 m/t																	*11,5	10,8	8,7
	6,0 m/t																	*11,0	9,3	9,4
	4,5 m/t																	*10,8	8,5	9,9
Straight boom 7,5 m	3,0 m/t																	10,4	8,1	10,1
	1,5 m/t																	10,3	8,0	10,1
Arm 2,55 m	0,0 m/t																	10,6	8,2	9,9
	-1,5 m/t					*13,9	*13,9	*17,1	16,5	*14,1	11,9	*11,0	9,3				*9,8	8,9	9,4	
Counterweight 9 400 kg	-3,0 m/t																	*8,4	*8,4	8,6
	-4,5 m/t																			
	-6,0 m/t																			
	12,0 m/t																			
Hydraulically retractable undercarriage	10,5 m/t																	*10,4	*10,4	7,0
	9,0 m/t																	*9,1	*9,1	8,5
	7,5 m/t																	*8,6	*8,6	9,5
	6,0 m/t																	*8,3	8,2	10,2
	4,5 m/t																	*8,2	7,6	10,6
Straight boom 7,5 m	3,0 m/t																	*8,4	7,2	10,8
	1,5 m/t																	*8,7	7,1	10,8
Arm 3,35 m	0,0 m/t																	*9,3	7,3	10,6
	-1,5 m/t					*15,9	*15,9	*18,2	16,1	*14,7	11,7	11,8	9,1	9,6	7,4		*9,3	7,8	10,2	
Counterweight 9 400 kg	-3,0 m/t					*18,4	*18,4	*15,7	*15,7	*12,8	11,7	*9,8	9,2				*8,4	*8,4	9,5	
	-4,5 m/t																	*8,7	*8,7	7,8
	-6,0 m/t																			
	12,0 m/t																			
Hydraulically retractable undercarriage	10,5 m/t																	*10,0	*10,0	5,7
	9,0 m/t																	*8,1	*8,1	7,8
	7,5 m/t																	*7,3	*7,3	9,1
	6,0 m/t																	*6,8	*6,8	10,1
	4,5 m/t																	*6,6	*6,6	10,7
Straight boom 7,5 m	3,0 m/t																	*6,6	*6,6	11,2
	1,5 m/t																	*7,0	6,6	11,4
Arm 3,9 m	0,0 m/t																	*7,4	6,7	11,2
	-1,5 m/t																	*8,1	7,1	10,7
Counterweight 9 400 kg	-3,0 m/t																	*8,2	7,8	10,1
	-4,5 m/t																	*7,2	*7,2	9,0
	-6,0 m/t																			
	12,0 m/t																			
Hydraulically retractable undercarriage	10,5 m/t																	*12,4	*12,4	6,7
	9,0 m/t																	*10,9	*10,9	8,5
	7,5 m/t																	*10,2	9,3	9,8
	6,0 m/t																	*9,8	8,0	10,7
	4,5 m/t																	*9,1	7,1	11,3
Straight boom 7,5 m	3,0 m/t																	*8,5	6,6	11,7
	1,5 m/t																	*8,1	6,3	11,9
Arm 4,8 m	0,0 m/t																	*8,1	6,3	11,7
	-1,5 m/t																	*8,5	6,6	11,3
Counterweight 9 400 kg	-3,0 m/t																	*8,8	7,1	10,6
	-4,5 m/t																	*8,3	8,2	9,7
	-6,0 m/t																	*8,5	*8,5	7,9
	12,0 m/t																			

- Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
  2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
  3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

## Lifting capacity EC700BHR

At the arm end without bucket.

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





















 Across undercarriage  Along undercarriage	Lifting hook related to ground level	1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		10,5 m		12,0 m		Max. reach		Max. m			
																							
Undercarriage mechanically retractable (standard)	9,0 m/t																			*11,8	*11,8	8,8	
	7,5 m/t										*16,6	*16,6	*15,3	13,4							*11,5	11,5	9,7
	6,0 m/t								*21,0	*21,0	*17,8	17,7	*15,8	13,0							*11,4	10,0	10,4
	4,5 m/t								*23,7	23,5	*19,2	16,6	*16,5	12,4	13,7	9,4					*11,7	9,0	10,7
Bent boom 7,7 m	3,0 m/t								*26,0	21,5	*20,5	15,5	17,2	11,7	13,4	9,1					*12,2	8,5	10,9
	1,5 m/t								*27,3	20,0	*21,4	14,6	16,6	11,2	13,1	8,8					12,4	8,3	10,9
Arm 3,6 m	0,0 m/t								*27,3	19,3	21,3	14,0	16,2	10,8	12,8	8,6					12,7	8,5	10,6
	-1,5 m/t			*16,5	*16,5	*29,5	*29,5	*26,2	19,0	21,0	13,7	15,9	10,6								13,5	9,0	10,1
Counterweight 11 300 kg	-3,0 m/t			*27,7	*27,7	*29,3	*29,3	*23,8	19,1	*19,2	13,7	*15,2	10,6								*14,1	10,1	9,4
	-4,5 m/t			*27,6	*27,6	*24,0	*24,0	*19,8	19,5	*15,7	14,0										*13,2	12,3	8,3
	-6,0 m/t					*15,8	*15,8	*12,9	*12,9												*10,8	*10,8	6,7
Undercarriage mechanically retractable (standard)	9,0 m/t											*17,3	*17,3								*15,0	*15,0	8,1
	7,5 m/t											*17,6	*17,6	*16,1	12,8						*14,4	12,5	9,1
	6,0 m/t							*29,4	*29,4	*22,3	*22,3	*18,6	17,2	*16,4	12,6						*14,3	10,7	9,8
	4,5 m/t								*24,9	22,7	*19,9	16,2	*17,0	12,1							14,2	9,7	10,2
Bent boom 7,7 m	3,0 m/t								*26,9	20,9	*21,1	15,2	17,0	11,5							13,5	9,1	10,4
	1,5 m/t								*27,6	19,7	*21,7	14,4	16,4	11,0							13,3	9,0	10,3
Arm 2,9 m	0,0 m/t								*27,0	19,2	21,2	13,9	16,1	10,7							13,7	9,2	10,0
	-1,5 m/t								*25,3	19,1	*20,5	13,7	16,0	10,6							14,8	9,9	9,5
Counterweight 11 300 kg	-3,0 m/t					*29,0	*29,0	*25,3	19,1	*20,5	13,7	16,0	10,6								*14,3	11,3	8,7
	-4,5 m/t			*27,2	*27,2	*26,4	*26,4	*22,3	19,4	*18,1	13,9										*12,8	*12,8	7,6
						*20,5	*20,5	*17,4	*17,4	*13,0	*13,0												
Undercarriage mechanically retractable (standard)	10,5 m/t																				*9,9	*9,9	8,3
	9,0 m/t												*12,2	*12,2							*9,2	*9,2	9,5
	7,5 m/t												*14,1	13,5							*8,9	*8,9	10,4
	6,0 m/t											*16,5	*16,5	*14,7	13,0	*12,6	9,7				*8,9	8,8	11,0
Bent boom 7,7 m	4,5 m/t					*29,7	*29,7	*22,0	*22,0	*18,0	16,8	*15,5	12,4	13,7	9,4						*9,1	8,0	11,3
	3,0 m/t								*24,8	22,0	*19,6	15,6	*16,4	11,7	13,3	9,0					*9,5	7,6	11,5
Arm 4,2 m	1,5 m/t								*26,6	20,3	*20,7	14,6	16,5	11,1	12,9	8,6					*10,1	7,4	11,5
	0,0 m/t								*21,1	*21,1	*27,2	19,3	21,2	13,9	16,0	10,6	12,6	8,3			*11,1	7,5	11,2
Counterweight 11 300 kg	-1,5 m/t			*15,8	*15,8	*27,8	*27,8	*26,6	18,8	20,8	13,5	15,7	10,3	12,4	8,2						12,0	7,9	10,8
	-3,0 m/t	*19,2	*19,2	*24,2	*24,2	*31,6	30,4	*24,8	18,7	*19,8	13,3	15,6	10,2								*13,2	8,8	10,1
	-4,5 m/t			*33,6	*33,6	*26,9	*26,9	*21,5	19,0	*17,2	13,5	*12,9	10,5								*12,7	10,4	9,1
	-6,0 m/t					*19,9	*19,9	*16,1	*16,1	*11,8	*11,8										*11,3	*11,3	7,6
	12,0 m/t								*19,1	*19,1											*15,1	*15,1	7,0
Undercarriage mechanically retractable (standard)	10,5 m/t										*18,0	*18,0									*13,2	*13,2	8,6
	9,0 m/t								*17,5	*17,5	*18,5	18,3	*17,0	13,0							*12,2	10,9	9,8
	7,5 m/t								*19,8	*19,8	*19,7	17,6	*17,1	12,8	*13,8	9,5					*11,6	9,2	10,7
	6,0 m/t								*25,3	23,9	*20,5	16,6	*17,4	12,3	13,6	9,3					*11,4	8,1	11,2
Straight boom 8,3 m	4,5 m/t								*27,0	21,6	*21,3	15,5	17,1	11,7	13,3	9,0					11,2	7,5	11,6
	3,0 m/t										*21,7	14,5	16,5	11,1	12,9	8,7					10,8	7,2	11,7
Arm 3,6 m	1,5 m/t										21,0	13,7	15,9	10,6	12,6	8,4					10,7	7,1	11,7
	0,0 m/t								*24,2	18,3	*20,1	13,2	15,6	10,2	12,4	8,2					*10,9	7,3	11,5
Counterweight 11 300 kg	-1,5 m/t								*20,9	18,3	*17,9	13,1	*14,7	10,1	*11,4	8,2					*9,7	7,8	11,0
	-3,0 m/t					*16,2	*16,2	*16,6	*16,6	*14,6	13,3	*11,7	10,3								*7,9	*7,9	10,3
	-4,5 m/t								*11,0	*11,0	*9,8	*9,8	*6,7	*6,7							*6,0	*6,0	9,2
Undercarriage mechanically retractable (standard)	12,0 m/t																				*20,5	*20,5	5,9
	10,5 m/t								*22,7	*22,7	*20,1	17,5									*17,0	16,0	7,8
	9,0 m/t								*22,2	*22,2	*19,9	17,7	*17,4	12,4							*15,5	12,1	9,1
	7,5 m/t					*28,3	*28,3	*24,6	*24,6	*20,3	17,1	*17,5	12,4								14,6	10,0	10,0
Straight boom 8,3 m	6,0 m/t								*26,2	23,0	*21,1	16,2	17,5	12,0	13,3	9,0					13,0	8,8	10,6
	4,5 m/t										*21,7	15,1	16,9	11,4	13,1	8,8					12,1	8,1	11,0
Arm 2,9 m	3,0 m/t										21,5	14,2	16,3	10,9	12,8	8,6					11,6	7,7	11,2
	1,5 m/t										20,8	13,6	15,8	10,5	12,6	8,4					11,6	7,7	11,1
Counterweight 11 300 kg	0,0 m/t										*19,3	13,3	15,6	10,3	*12,5	8,3					*11,2	7,9	10,9
	-1,5 m/t								*18,7	18,7	*16,6	13,3	*13,7	10,2							*9,6	8,5	10,4
	-3,0 m/t								*14,1	*14,1	*12,8	*12,8	*9,9	*9,9							*7,4	*7,4	9,7
Undercarriage mechanical retractable (standard)	13,5 m/t																				*14,5	*14,5	5,7
	12,0 m/t										*14,0	*14,0									*11,5	*11,5	8,0
	10,5 m/t										*14,7	*14,7	*13,1	*13,1							*10,2	*10,2	9,5
	9,0 m/t										*14,6	*14,6	*13,9	13,2	*10,2	9,5					*9,5	9,4	10,6
Straight boom 8,3 m	7,5 m/t								*14,6	*14,6	*15,6	*15,6	*14,1	12,9	*12,4	9,5					*9,1	8,0	11,4
	6,0 m/t								*21,1	*21,1	*17,1	16,8	*14,5	12,3	*12,5	9,3					*8,9	7,2	11,9
Arm 4,2 m	4,5 m/t								*22,7	22,3	*17,9	15,7	*14,8	11,7	*12,6	8,9	10,4	6,9			*8,9	6,6	12,2
	3,0 m/t								*23,6	20,3	*18,4	14,6	*15,0	11,0	*12,6	8,5	10,2	6,7			*9,1	6,3	12,4
Counterweight 11 300 kg	1,5 m/t								23,3	18,9	*18,3	13,7	*14,9	10,4	*12,3	8,2	*9,9	6,6			*9,2	6,3	12,3
	0,0 m/t								*21,7	18,2	*17,5	13,1	*14,3	10,0	*11,6	7,9	*8,8	6,5			*8,5	6,4	12,1
	-1,5 m/t					*16,0	*16,0	*19,2	18,1	*15,9	12,9	*13,0	9,8	*10,3	7,8						*7,5	6,8	11,7
	-3,0 m/t					*17,0	*17,0	*15,8	*15,8	*13,4	12,9	*10,8	9,8	*7,9	*7,9						*6,2	*6,2	11,0
	-4,5 m/t					*11,2	*11,2	*11,2	*11,2	*9,7	*9,7	*7,3	*7,3								*4,3	*4,3	10,1

- Notes:
- The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
  - They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
  - Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Lifting capacity EC700BHR

At the arm end without bucket.

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

 Across undercarriage  Along undercarriage	Lifting hook related to ground level	1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		10,5 m		12,0 m		Maximum reach			
																				Max. m	
Undercarriage hydraulically retractable	9,0 m/t																		11,8*	11,8*	8,8
	7,5 m/t									16,6*	16,6*	15,3*	15,3*						11,5*	11,5*	9,7
	6,0 m/t								21,0*	21,0*	17,8*	17,8*	15,8*	15,8*					11,4*	11,4*	10,4
	4,5 m/t								23,7*	23,7	19,2*	19,2*	16,5*	16,5*	14,7*	14,6			11,7*	11,7*	10,7
Bent boom 7,7 m	3,0 m/t							26,0*	26,0*	20,5*	20,5*	17,2*	17,2*	15,0*	14,3				12,2*	12,2*	10,9
	1,5 m/t							27,3*	27,3*	21,4*	21,4*	17,7*	17,6	14,7	13,9				13,1*	13,1*	10,9
Arm 3,6 m	0,0 m/t					19,6*	19,6*	27,3*	27,3*	21,6*	21,6*	17,7*	17,2	14,4	13,7				14,2	13,5	10,6
	-1,5 m/t			16,5*	16,5*	29,5*	29,5*	26,2*	26,2*	21,0*	21,0*	17,1*	17,0						14,4*	14,4	10,1
	-3,0 m/t			27,7*	27,7*	29,3*	29,3*	23,8*	23,8*	19,2*	19,2*	15,2*	15,2*						14,1*	14,1*	9,4
Counterweight 11 300 kg	-4,5 m/t			27,6*	27,6*	24,0*	24,0*	19,8*	19,8*	15,7*	15,7*								13,2*	13,2*	8,3
	-6,0 m/t					15,8*	15,8*	12,9*	12,9*										10,8*	10,8*	6,7
	9,0 m/t									17,3*	17,3*								15,0*	15,0	8,1
Undercarriage hydraulically retractable	7,5 m/t									17,6*	17,6*	16,1*	16,1*						14,4*	14,4*	9,1
	6,0 m/t					29,4*	29,4*	22,3*	22,3*	18,6*	18,6*	16,4*	16,4*						14,3*	14,3*	9,8
	4,5 m/t							24,9*	24,9*	19,9*	19,9*	17,0*	17,0*						14,6*	14,6*	10,2
Bent boom 7,7 m	3,0 m/t							26,9*	26,9*	21,1*	21,1*	17,6*	17,6*						15,1	14,4	10,4
	1,5 m/t							27,6*	27,6*	21,7*	21,7*	17,9*	17,5						14,9	14,2	10,3
Arm 2,9 m	0,0 m/t							27,0*	27,0*	21,6*	21,6*	17,6*	17,1						15,2*	14,6	10,0
	-1,5 m/t							29,0*	29,0*	25,3*	25,3*	20,5*	20,5*	16,5*	16,5*				15,0*	15,0*	9,5
Counterweight 11 300 kg	-3,0 m/t			27,2*	27,2*	26,4*	26,4*	22,3*	22,3*	18,1*	18,1*								14,3*	14,3*	8,7
	-4,5 m/t					20,5*	20,5*	17,4*	17,4*	13,0*	13,0*								12,8*	12,8*	7,6
	10,5 m/t																		9,9*	9,9*	8,3
Undercarriage hydraulically retractable	9,0 m/t											12,2*	12,2*						9,2*	9,2*	9,5
	7,5 m/t											14,1*	14,1*						8,9*	8,9*	10,4
	6,0 m/t									16,5*	16,5*	14,7*	14,7*	12,6*	12,6*				8,9*	8,9*	11,0
Bent boom 7,7 m	4,5 m/t					29,7*	29,7*	22,0*	22,0*	18,0*	18,0*	15,5*	15,5*	13,9*	13,9*				9,1*	9,1*	11,3
	3,0 m/t							24,8*	24,8*	19,6*	19,6*	16,4*	16,4*	14,3*	14,2				9,5*	9,5*	11,5
Arm 4,2 m	1,5 m/t							26,6*	26,6*	20,7*	20,7*	17,1*	17,1*	14,5	13,8				10,1*	10,1*	11,5
	0,0 m/t							21,1*	21,1*	27,2*	27,2*	21,3*	21,3*	17,4*	17,0	14,2	13,5		11,1*	11,1*	11,2
	-1,5 m/t			15,8*	15,8*	27,8*	27,8*	26,6*	26,6*	21,0*	21,0*	17,1*	16,7	13,9*	13,3				12,6*	12,6*	10,8
Counterweight 11 300 kg	-3,0 m/t	19,2*	19,2*	24,2*	24,2*	31,6*	31,6*	24,8*	24,8*	19,8*	19,8*	15,9*	15,9*						13,2*	13,2*	10,1
	-4,5 m/t			33,6*	33,6*	26,9*	26,9*	21,5*	21,5*	17,2*	17,2*	12,9*	12,9*						12,7*	12,7*	9,1
	-6,0 m/t					19,9*	19,9*	16,1*	16,1*	11,8*	11,8*								11,3*	11,3*	7,6
Undercarriage hydraulically retractable	12,0 m/t							19,1*	19,1*										15,1*	15,1*	7,0
	10,5 m/t									18,0*	18,0*								13,2*	13,2*	8,6
	9,0 m/t							17,5*	17,5*	18,5*	18,5*	17,0*	17,0*						12,2*	12,2*	9,8
Straight boom 8,3 m	7,5 m/t									19,8*	19,8*	19,7*	19,7*	17,1*	17,1*	13,8*	13,8*		11,6*	11,6*	10,7
	6,0 m/t							25,3*	25,3*	20,5*	20,5*	17,4*	17,4*	15,1*	14,5				11,4*	11,4*	11,2
	4,5 m/t							27,0*	27,0*	21,3*	21,3*	17,7*	17,7*	14,9	14,2				11,5*	11,5*	11,6
Arm 3,6 m	3,0 m/t									21,7*	21,7*	17,8*	17,5	14,5	13,8				11,7*	11,6	11,7
	1,5 m/t									21,4*	21,4*	17,5*	17,0	14,2	13,5				11,8*	11,5	11,7
Counterweight 11 300 kg	0,0 m/t							24,2*	24,2*	20,1*	20,1*	16,5*	16,5*	13,4*	13,3				10,9*	10,9*	11,5
	-1,5 m/t							20,9*	20,9*	17,9*	17,9*	14,7*	14,7*	11,4*	11,4*				9,7*	9,7*	11,0
	-3,0 m/t					16,2*	16,2*	16,6*	16,6*	14,6*	14,6*	11,7*	11,7*						7,9*	7,9*	10,3
Undercarriage hydraulically retractable	-4,5 m/t							11,0*	11,0*	9,8*	9,8*	6,7*	6,7*						6,0*	6,0*	9,2
	12,0 m/t																		20,5*	20,5*	5,9
	10,5 m/t							22,7*	22,7*	20,1*	20,1*								17,0*	17,0*	7,8
Straight boom 8,3 m	9,0 m/t							22,2*	22,2*	19,9*	19,9*	17,4*	17,4*						15,5*	15,5*	9,1
	7,5 m/t					28,3*	28,3*	24,6*	24,6*	20,3*	20,3*	17,5*	17,5*						14,7*	14,7*	10,0
	6,0 m/t							26,2*	26,2*	21,1*	21,1*	17,7*	17,7*	14,9	14,2				14,4*	13,9	10,6
Arm 2,9 m	4,5 m/t									21,7*	21,7*	17,9*	17,9	14,7	14,0				13,6	12,9	11,0
	3,0 m/t									21,8*	21,8*	17,8*	17,3	14,4	13,7				13,1	12,4	11,2
Counterweight 11 300 kg	1,5 m/t									21,0*	21,0*	17,2*	16,9	14,0*	13,4				12,3*	12,3*	11,1
	0,0 m/t									19,3*	19,3*	15,9*	15,9*	12,5*	12,5*				11,2*	11,2*	10,9
	-1,5 m/t							18,7*	18,7*	16,6*	16,6*	13,7*	13,7*						9,6*	9,6*	10,4
Undercarriage hydraulically retractable	-3,0 m/t							14,1*	14,1*	12,8*	12,8*	9,9*	9,9*						7,4*	7,4*	9,7
	13,5 m/t																		14,5*	14,5*	5,7
	12,0 m/t									14,0*	14,0*								11,5*	11,5*	8,0
Straight boom 8,3 m	10,5 m/t									14,7*	14,7*	13,1*	13,1*						10,2*	10,2*	9,5
	9,0 m/t									14,6*	14,6*	14,7*	14,7*	10,2*	10,2*				9,5*	9,5*	10,6
	7,5 m/t							14,6*	14,6*	15,6*	15,6*	15,8*	15,8*	14,0*	14,0*				9,1*	9,1*	11,4
Arm 4,2 m	6,0 m/t							21,2*	21,2*	19,3*	19,3*	16,7*	16,7*	14,5*	14,5				8,9*	8,9*	11,9
	4,5 m/t							26,0*	26,0*	20,6*	20,6*	17,1*	17,1*	14,7*	14,1	11,7*	11,2		8,9*	8,9*	12,2
Counterweight 11 300 kg	3,0 m/t							27,2*	27,2*	21,3*	21,3*	17,4*	17,4*	14,4	13,7	11,6	11,0		9,1*	9,1*	12,4
	1,5 m/t							27,0*	27,0*	21,3*	21,3*	17,3*	16,9	14,0	13,3	11,4	10,8		9,5*	9,5*	12,3
	0,0 m/t							25,3*	25,3*	20,4*	20,4*	16,7*	16,4	13,6*	13,0	10,4*	10,4*		10,1*	10,1*	12,1
Undercarriage hydraulically retractable	-1,5 m/t					16,0*	16,0*	22,5*	22,5*	18,6*	18,6*	15,2*	15,2*	12,2*	12,2*				9,1*	9,1*	11,7
	-3,0 m/t					20,4*	20,4*	18,7*	18,7*	15,8*	15,8*	12,9*	12,9*	9,5*	9,5*				7,6*	7,6*	11,0
	-4,5 m/t					13,8*	13,8*	13,6*	13,6*	11,7*	11,7*	9,0*	9,0*						5,5*	5,5*	10,1

- Notes:
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
  2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
  3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# STANDARD EQUIPMENT EC360CHR

## Engine

Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets EU Stage IIIA requirements  
3-stage air filter with indicator and precleaner  
Air intake heater  
Electric engine shut-off  
Fuel filter and water separator  
Fuel filler pump: 50 l/min, with automatic shut-off  
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  
Adjustable LCD color monitor  
Master electrical disconnect switch  
Engine restart prevention circuit  
High-capacity halogen lights:  
– Frame-mounted 2  
– Boom-mounted 4  
Batteries, 2 x 12 V / 200 Ah  
Start motor, 24 V / 6,6 kW

## Hydraulic system

Hose rupture valve: boom cylinder and arm  
Hydraulic piping:  
Hammer & shear:  
– one and two pump flow  
– Pedal switch control  
– Slope & rotator  
– Oil leak (drain) line  
– Quick fit piping

Overload warning device  
Automatic sensing hydraulic system  
– Summation system  
– Boom priority  
– Arm priority  
– Slew priority  
Boom and arm regeneration valves  
Slew anti-rebound valves  
Boom and arm holding valves  
Multi-stage filtering system  
Cylinder cushioning  
Cylinder contamination seals  
Auxiliary hydraulic valve  
Automatic two-speed travel motors  
Hydraulic oil, ISO VG 46  
Bucket & boom cylinder guard  
Two pump control for hammer & shear

## Superstructure

Access way with handrail  
**Additional counterweight for high reach**  
Full height counterweight:  
7 250 kg  
Tool storage area  
Punched metal anti-slip plates  
Undercover plate (heavy-duty 8 mm)  
HD double thickness side doors with micro mesh  
Side Impact Protection System

## Tilting cab, and interior

Fabric seat with heater and air suspension  
Control Joystick with proportional control  
Heater & air-conditioner, automatic  
Hydraulic dampening cab mounts  
Adjustable operator seat and joystick control console  
AM/FM stereo with CD Player and MP3 input  
Flexible antenna

Hydraulic safety lock lever

Cab, all-weather sound suppressed, includes:  
– Ashtray  
– Cup holder (x3)  
– Lighter  
– Door locks  
– Tinted glass  
– Floor mat  
– Horn  
– Large storage area  
– Pull-up type front window  
– Removable lower windshield  
– Seat belt  
– Safety glass  
– Sun shields, front, roof, rear  
– Windshield wiper with intermittent feature  
Anti-vandalism kit assembly preparation  
Master key  
Falling object guard (FOG)  
– Frame-mounted

## Undercarriage

Long crawlerundercarriage  
Swing ring guard  
Hydraulic track adjusters  
Greased and sealed track link  
Full track guards  
Undercover plate (heavy-duty 10 mm)

## Track shoes

600 mm triple grousers

## Service

Tool kit, daily maintenance

# OPTIONAL EQUIPMENT EC360CHR

## Engine

Block heater: 120 V, 240 V  
Fuel filler pump  
Oil bath pre-cleaner  
Diesel coolant heater  
Water separator with heater

## Electric

Extra lights:  
– Cab front top-mounted 2  
– Cab rear-mounted 1  
– Counterweight-mounted 1  
CareTrack  
Travel alarm  
Rear view camera  
Anti-theft system  
Rotating warning beacon

## Hydraulic system

Boom float function  
Hydraulic piping:  
Hammer & shear:  
– Additional return filter

Volvo hydraulic quick fit, S3 size  
Straight travel pedal  
Hydraulic oil, ISO VG 32  
Hydraulic oil, ISO VG 46  
Hydraulic oil, ISO VG 68  
Hydraulic oil, biodegradable 32  
Hydraulic oil, biodegradable 46  
Snow protection kit

## Cab and interior

Seat  
Seat with heater  
Seat with heater and air sus-pension  
Seat belt, 3 inch  
Control joystick with semi-long levers  
Control joystic, 3 switch  
Control joystick with 5 switches each  
Air-conditioner climate control  
Safety screen for front window  
Lower wiper with intermittent control  
Rear view camera

## Undercarriage

**Hydraulically retractable undercarriage**

## Track shoes

600 mm double grousers,  
700 mm triple grousers

## Digging equipment

**Straight boom 6,8 m**

**Bent boom 6,5 m**

Arm : 2,6 m/3,2 m/3,9 m/5,0 m

## High reach

**Boom HR: 21 m**

**Camera system for high reach rig**

## Service

Hand lamp  
Spare parts  
Tool kit, full scale

Standard and optional equipment may vary by market. Please consult your local Volvo dealer for details

# STANDARD EQUIPMENT EC460CHR

## Engine

Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets EU Stage IIIA requirements  
3-stage air filter with indicator and precleaner  
Air intake heater  
Electric engine shut-off  
Fuel filter and water separator  
Fuel filler pump: 50 l/min, with automatic shut-off  
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  
Adjustable LCD color monitor  
Master electrical disconnect switch  
Engine restart prevention circuit  
High-capacity halogen lights:  
- Frame-mounted 2  
- Boom-mounted 4  
Batteries, 2 x 12 V / 200 Ah  
Start motor, 24 V / 7 kW

## Hydraulic system

Hose rupture valve: boom  
Overload warning device  
Automatic sensing hydraulic system  
- Summation system  
- Boom priority  
- Arm priority  
- Slew priority

Boom and arm regeneration valves  
Slew anti-rebound valves  
Boom and arm holding valves  
Multi-stage filtering system  
Cylinder cushioning  
Cylinder contamination seals  
Auxiliary hydraulic valve  
Automatic two-speed travel motors  
Hydraulic oil, ISO VG 46

## Superstructure

Access way with handrail

## Additional counterweight for high reach

Full height counterweight:  
9 300 kg  
Tool storage area  
Punched metal anti-slip plates  
Undercover plate (heavy-duty 4,5 mm)

## Tilting cab, and interior

Fabric seat with heater and air suspension  
Control joysticks with 4 switches each  
Heater & air-conditioner, automatic  
Hydraulic dampening cab mounts  
Adjustable operator seat and joystick control console  
AM/FM stereo with CD Player and MP3 input  
Flexible antenna  
Hydraulic safety lock lever  
Cab, all-weather sound suppressed, includes:  
- Ashtray  
- Cup holder (x3)  
- Lighter  
- Door locks  
- Tinted glass  
- Floor mat  
- Horn

- Large storage area  
- Pull-up type front window  
- Removable lower windshield  
- Seat belt  
- Safety glass  
- Sun shield, front, roof, rear  
- Rain shield  
- Windshield wiper with intermittent feature  
Anti-vandalism kit assembly preparation  
Master ignition key  
Falling object guard (FOG)?  
- Frame-mounted

## Undercarriage

Long crawlerundercarriage  
Hydraulic track adjusters  
Greased and sealed track chain  
Track guide  
Undercover plate (heavy-duty 10 mm)

## Track shoes

600 mm triple grousers

## Service

Tool kit, daily maintenance

# OPTIONAL EQUIPMENT EC460CHR

## Engine

Block heater: 240 V  
Precleaner, Oil bath  
Diesel driven coolant heater  
Water separator with heater

## Electric

Extra lights:  
- Cab front top-mounted 2  
- Cab rear-mounted 1  
- Counterweight-mounted 1  
Travel alarm  
Anti-theft system  
Rotating warning beacon

## Hydraulic system

Hose rupture valve: arm  
Boom float function  
Hydraulic piping:  
- Hammer & shear, 1 and 2 pump flow  
- Slope & rotator  
- Grapple

- Oil leak (drain) line  
- Quick fit piping  
Volvo hydraulic quick fit, S3 size  
Hydraulic oil, ISO VG 32  
Hydraulic oil, ISO VG 68  
Hydraulic oil, biodegradable 32  
Hydraulic oil, biodegradable 46

## Cab and interior

Fabric seat  
Fabric seat with heater  
Seat with heater and air suspension  
Seat belt, 3 inch  
Air-conditioner climate control  
Control joystick with semi-long levers  
Control joystick with proportional control  
Foot support bar  
Safety screen for front window  
Lower wiper with intermittent control  
Anti-vandalism kit  
Specific key  
Rear view camera

## Undercarriage

Full track guard  
**Mechanically retractable undercarriage**  
**Hydraulically retractable undercarriage**

## Track shoes

600 mm double grousers,  
700 mm triple grousers

## Digging equipment

**Straight boom 7,5 m**  
**Bent boom 7,0 m**  
Arm: 2,55 m/3,35 m/3,9 m/ 4,8m

## High reach

**Boom HR: 27,3 m**  
**Camera system for high reach rig**

## Service

Tool kit, full scale

Standard and optional equipment may vary by market. Please consult your local Volvo dealer for details

# STANDARD EQUIPMENT EC700BHR

## Engine

Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets EU Stage IIIA requirements  
3-stage air filter with indicator and precleaner  
Air intake heater  
Electric engine shut-off  
Fuel filter and water separator  
Fuel filler pump: 100 l/min, with automatic shut-off  
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  
Adjustable monitor  
Master switch  
Engine restart prevention circuit  
High-capacity halogen lights:  
– Frame-mounted 3  
– Boom-mounted 4  
Batteries, 2 x 12 V / 225 Ah  
Start motor, 28 V / 6,6 kW

## Hydraulic system

Hose rupture valve: boom and arm proportional control via joystick roller button  
Hydraulic piping:  
Hammer & shear:  
– one and two pump flow  
– Quick fit piping

Overload warning device  
Automatic hydraulic system  
– Summation system  
– Boom priority  
– Arm priority  
– Slew priority  
Boom and arm regeneration valves  
Slew anti-rebound valves  
Boom and arm holding valves  
2 pump flow control for hammer & shear  
Multi-stage filtering system  
Cylinder cushioning  
Cylinder contamination seals  
Bucket and boom cylinder guard  
Auxiliary hydraulic valve  
Automatic two-speed travel motors  
Hydraulic oil, ISO VG 46

## Superstructure

Access way with handrail  
**Additional counterweight for high reach**  
Full height counterweight:  
11 300 kg  
Tool storage area  
Punched metal anti-slip plates  
Undercover plate (heavy-duty 8 mm)  
Side walk-way

## Tilting cab, and interior

Fabric seat with heater and air suspension  
Control Joystick with proportional control  
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
- Door locks
- Tinted glass
- 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

Falling object guard (FOG)

- Cabin-mounted

## Undercarriage

Mechanically retractable undercarriage  
Swing ring guard  
Hydraulic track adjusters  
Greased and sealed track chain  
Full track guards  
Undercover plate (heavy-duty 10 mm)

## Track shoes

Track shoes 650 mm with double grousers

## Service

Special tool for mechanical retractable frame

# OPTIONAL EQUIPMENT EC700BHR

## Engine

Block heater: 120 V, 240 V  
Dual stage precleaner  
Precleaner, Oil bath  
Diesel coolant heater  
Water separator with heater  
Low noise kit  
Fuel filler pump,

## Electric

Extra lights:  
– Cab-mounted 1  
– Counterweight-mounted 1  
Travel alarm  
Swing alarm  
Anti-theft system  
Rotating warning beacon

## Hydraulic system

Hydraulic piping:  
– Additional return filter  
– Pedal switch control

Straight travel pedal  
Hydraulic oil, ISO VG 32  
Hydraulic oil, ISO VG 46  
Hydraulic oil, ISO VG 68  
Hydraulic oil, biodegradable 32  
Hydraulic oil, biodegradable 46  
Arctic hose kit  
Snow protection kit

## Cab and interior

Seat  
Seat with heater  
Seat with heater and air sus-pension  
Seat belt, 3 inch  
Air-conditioner climate control  
Foot support bar  
Safety screen for front window  
Lower wiper with intermittent control

## Undercarriage

**Hydraulically retractable undercarriage**

## Track shoes

650 mm double grousers,  
750 mm double grousers

## Digging equipment

**Straight boom 8,3 m**

**Bent boom 7,7 m**

Arm: 2,9 m/3,55 m/4,2 m/ 5,2m

## High reach

**Mass demolition boom 16,6 m**

**Boom HR: 29 m**

**Boom extension: 3 m**

**Camera system for high reach rig**

## Service

Hand lamp  
Spare parts  
Tool kit, full scale

Standard and optional equipment may vary by market. Please consult your local Volvo dealer for details

# SPECIFICATIONS STANDARD DEMOLITION

## Main Data of standard demolition machines

General Data		EC210CLD	EC240CLD	EC290CLD	EC360CLD	EC460CLD	EC700CLD
Operating weight, without attachment	t	21,7-23,0	25,3-26,2	29,1-30,4	38,3-39,7	45,6-48,3	68,3-70,6
Engine		Volvo D6E	Volvo D7E	Volvo D7E	Volvo D12D	Volvo D12D	Volvo D16E
Rated output, at r/s (r/min)	rpm	30 (1 800)					
ISO 9249/SAE J1349, net kW (hp)	kW (hp)	110 (150)	125 (170)	143 (195)	184 (250)	235 (320)	316 (424)
Maximum torque	Nm @ rpm	735	870	965	1 475	1 720	2 500
Track length	mm	4 460	4 650	4 870	5 180	5 370	5 990
Track gauge	mm	2 390	2 590	2 590	2 740	2 740	3 350
Bucket capacity	m <sup>3</sup>	0,8-1,4	1,0-1,8	1,1-2,0	1,5-2,8	1,8-3,8	2,5-6,6
Lifting capacity along undercarriage	t	7,1	9,1	10,8	11,3	13,8	20,0
at reach/height	m	6,0 / 1,5	6,0 / 1,5	6,0 / 1,5	7,5 / 1,5	7,5 / 1,5	7,5 / 1,5
Breakout force, SAE	kN	130,4	156,9	173,0	209,0	244,2	323,0
Maximum digging reach	m	9,9	10,3	10,7	11,2	12,0	11,5
Maximum digging depth	m	6,7	7,0	7,3	7,5	7,7	7,3
Fuel tank capacity	l	335	470	470	620	685	840
Hydraulic system, total	l	330	320	400	500	525	655
Pump type		2 x variable displacement axial piston pumps					
System pressure (attachment)	MPa	31,4 MPa (320kg/cm <sup>2</sup> )					
with Power Boost (attachment)	MPa	34,3 MPa (350kg/cm <sup>2</sup> )					
Maximum flow rate	l/min	2 x 200	2 x 230	2 x 250	2 x 280	2 x 345	2 x 436
Swing speed	rpm	11,6	11,4	10,2	9,7	8,5	6,7
Travel speed (1st/2nd)	km/h	3,2 / 5,5	3,2 / 5,5	3,3 / 5,2	3,3 / 4,5	2,9 / 4,8	3,0 / 4,5
Gradeability	degree/%	35° (70%) (backhoe only)					
Maximum tractive effort	kN	183,0	209,0	230,5	256,9	325,0	453,0



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

# **VOLVO**

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