

Volvo Construction Equipment
Building Tomorrow



EC380E_{HR}, EC480E_{HR}, EC750E_{HR}

Volvo Excavators



Volvo EC380E_{HR}, E480E_{HR}, EC750E_{HR} in detail

Engine

The latest generation, Volvo engine Tier 4f (Stage IV) emissions certified diesel engine fully meets the demands of the latest, emissions regulations. Featuring Volvo Advanced Combustion Technology (V-ACT), it is designed to deliver superior performance and fuel efficiency. The engine uses precise, highpressure fuel injectors, turbo charger and air-to-air intercooler, and electronic engine controls to optimize machine performance. Air Filter: 3-stage with precleaner. Automatic Idling System: Reduces engine speed to idle when the levers and pedals are not activated resulting in less fuel consumption and low cab noise levels.

EC380EHR

Engine Tier 4f (Stage IV)	Volvo	D13J
Max power at	r/s / r/min	28 / 1 700
Net, ISO 9249/SAE J1349	kW / hp	229 / 311
Gross, ISO 14396/SAE J1995	kW / hp	230 / 313
Max torque at	Nm / r/min	1 692 / 1 275
No. of cylinders		6
Displacement	l	12.8
Bore	mm	131
Stroke	mm	158

EC480EHR

Engine Tier 4f (Stage IV)	Volvo	D13J
Max power at	r/s / r/min	30 / 1 800
Net, ISO 9249/SAE J1349	kW / hp	283 / 385
Gross, ISO 14396/SAE J1995	kW / hp	284 / 386
Max torque at	Nm / r/min	1 928 / 1 350
No. of cylinders		6
Displacement	l	12.8
Bore	mm	131
Stroke	mm	158

EC750EHR

Engine Tier 4f (Stage IV)	Volvo	D16J
Max power at	r/s / r/min	30 / 1 800
Net, ISO 9249/SAE J1349	kW / hp	392 / 533
Gross, ISO 14396/SAE J1995	kW / hp	393 / 534
Max torque at	Nm / r/min	2 570 / 1 350
No. of cylinders		6
Displacement	l	16.1
Bore	mm	144
Stroke	mm	165

Electrical system

High-capacity electrical system that is well protected. Waterproof double-lock harness plugs are used to secure corrosion-free connections. The main relays and solenoid valves are shielded to prevent damage. The master switch is standard. Contronics provides advanced monitoring of machine functions and important diagnostic information.

		EC380EHR	EC480EHR	EC750EHR
Voltage	V	24	24	24
Batteries	V	2 x 12	2 x 12	2 x 12
Battery capacity	Ah	200	200	210
Alternator	V / Ah	28 / 80	28 / 80	28 / 80

Swing system

The swing system uses an axial piston motors, driving a planetary gearbox for maximum torque. An automatic holding brake and anti-rebound valve are standard.

		EC380EHR	EC480EHR	EC750EHR
Max. slew speed	r/min	10.2	9.3	7
Max. slew torque	kNm	130.5	166.3	275.3

Drive

Each track is powered by an automatic two-speed shift travel motor. The track brakes are multi-disc, spring-applied and hydraulic released. The travel motor, brake and planetary gears are well protected within the track frame.

		EC380EHR	EC480EHR	EC750EHR
Max. drawbar pull	kN	276.5	333	472
Max. travel speed (1st Gear/2nd Gear)	km/h	3.4/5.3	3.2/5.2	2.9/4.6
Gradeability	°	35	35	33

Undercarriage

The undercarriage has a robust X-shaped frame. Greased and sealed track chains are standard.

		EC380EHR	EC480EHR	EC750EHR
Track pads		2 x 50	2 x 52	2 x 52
Link pitch	mm	215.9	215.9	260.4
Shoe width, triple grouser	mm	600 / 700 / 800 / 900	600 / 700 / 800 / 900	-
Shoe width, double grouser	mm	600	600	650 / 750 / 900
Bottom rollers		2 x 9	2 x 9	2 x 9
Top rollers		2 x 2(2 x 3*)	2 x 2(2 x 3*)	2 x 3
* Retractable undercarriage				

Service refill capacities				
		EC380EHR	EC480EHR	EC750EHR
Fuel tank	l	620	680	800
AdBlue/DEF tank	l	62.5	62.5	80
Hydraulic system, total	l	500	525	655
Hydraulic tank	l	225	270	350
Engine oil	l	42	42	52
Engine coolant	l	60	60	66
Slew reduction unit	l	6.5	2 x 6	2 x 6.8
Travel reduction unit	l	2 x 6.8	2 x 7.5	2 x 13.5

Tilting Cab

The standard hydraulically tilting cabin tilts up to 30 degrees to enhance visibility and reduce operator fatigue and neck strain on high-reach jobs. The operator's cab has easy access via a wide door opening. The cab is supported on hydraulic dampening mounts to reduce shock and vibration levels. These along with sound absorbing lining provide low noise levels. The cab has excellent all-round visibility, especially upward, with a wide front glass and top wiper. Integrated air-conditioning and heating system: The pressurized and filtered cab air is supplied by an automatically-controlled fan. The air is distributed throughout the cab from 14 vents. Ergonomic operator's seat: The adjustable seat and joystick console move independently to accommodate the operator. The seat has 12 different adjustments plus a seat belt for the operator's comfort and safety. Refrigerant of the type R134a is used when this machine is equipped with air conditioning. Contains fluorinated greenhouse gas R134a, Global Warming Potential 1.430 t CO₂-eq

Sound Level

		EC380EHR	EC480EHR	EC750EHR
Sound level in cab according to ISO 6396				
LpA	dB(A)	71	71	72
External sound level according to ISO 6395 and EU Noise Directive (2000/14/EC) and 474-1:2006 +A1:2009				
LwA	dB(A)	105	106	108

Hydraulic system

The new electro-hydraulic system and new MCV (main control valve) use intelligent technology to control on-demand flow for high-productivity, high-digging capacity and excellent fuel consumption. The following important functions are included in the system: Summation system: Combines the flow of both hydraulic pumps to a single function to ensure quick cycle times and high productivity. Boom priority: Gives priority to the boom operation for faster raising when loading or performing deep excavations. Arm priority: Gives priority to the arm operation for faster cycle times in leveling and for increased bucket filling when digging. Swing priority: Gives priority to swing functions for faster simultaneous operations. Regeneration system: Prevents cavitation and provides flow to other movements during simultaneous operations for maximum productivity. Power boost: All digging and lifting forces are increased. Holding valves: Boom and arm holding valves prevent the digging equipment from creeping

		EC380EHR	EC480EHR	EC750EHR
Main pump, Type 2 x variable displacement axial piston pumps				
Maximum flow	l/min	2 x 300	2 x 376	2 x 450
Pilot pump, Type Gear pump				
Maximum flow	l/min	32.6	32	34.5

Hydraulic motors

Travel: Variable displacement axial piston motor with mechanical brake
Slew: Fixed displacement axial piston motor with mechanical brake

		EC380EHR	EC480EHR	EC750EHR
Relief valve setting				
Implement	MPa	32.4/35.3	32.4/35.3	33.8/35.8
Travel circuit	MPa	35.3	32.4	33.8
Slew circuit	MPa	27.9	25.8	26.5
Pilot circuit	MPa	3.9	3.9	3.9

Base boom cylinder

	Qty	Bore ø mm	Stroke mm
EC380EHR Base boom cylinder	2	165	1 530
EC480EHR Base boom cylinder	2	180	1 590
EC750EHR Base boom cylinder	2	230	1 697

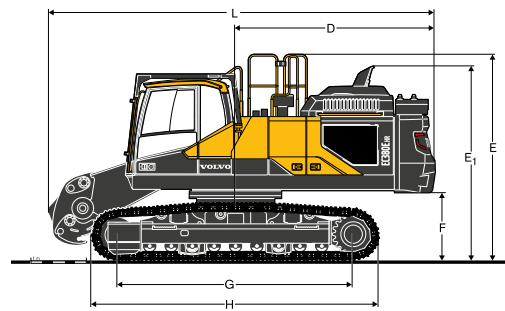
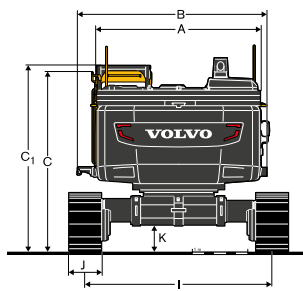
Specifications

MACHINE WEIGHTS					
EC380EHR			600 mm shoe	600 mm shoe	-
			Fixed undercarriage	Hydraulically retracted	-
At Demolition Equipment					
Base machine	kg		36 540	40 740	-
3-piece demolition equipment (incl cradle)	kg		7 510	7 510	-
Additional CWT	kg		2 750	2 750	-
Total weight	kg		46 800	51 000	-
At Digging Equipment					
Base machine	kg		36 540	40 740	-
Digging equipment with 3.35m arm (incl cradle)	kg		5 180	5 180	-
Boom extension (incl cradle)	kg		NO	3 850	-
Total weight without boom extension	kg		41 720	45 920	-
Total weight with boom extension	kg		NO	49 770	-
EC480EHR (Hydraulically removable counterweight)			600 mm shoe	600 mm shoe	600 mm shoe
			Fixed undercarriage	Mech. retracted undercarriage	Hydr. retracted undercarriage
At Demolition Equipment					
Base machine	kg		44 520	45 485	50 265
3-piece demolition equipment (incl cradle)	kg		9 755	9 755	9 755
Additional CWT	kg		3 500	3 500	3 500
Total weight	kg		57 775	58 740	63 520
At Digging Equipment					
Base machine	kg		44 520	45 685	50 265
Digging equipment with 3.35m arm (incl cradle)	kg		6 350	6 350	6 350
Boom extension (incl cradle)	kg		NO	NO	3 845
Total weight without boom extension	kg		50 870	51 835	56 615
Total weight with boom extension	kg		NO	NO	60 460
EC750EHR (Hydraulically removable counterweight)		750 mm shoe			
		Hydr. retracted undercarriage			
At Demolition Equipment					
Base machine (with undercarriage)	kg		79342		
Undercarriage (2)	kg		39248		
3-piece demolition equipment (incl cradle)	kg		19500		
Additional CWT	kg		4186		
Total weight	kg		103028		
At Digging Equipment					
Base machine (with undercarriage)	kg		79342		
Undercarriage (2)	kg		39248		
Digging equipment with 3.35m arm (incl cradle)	kg		10880		
Boom extension (incl cradle)	kg		6780		
Total weight without boom extension	kg		89460		
Additional CWT	kg		4186		
Total weight with boom extension	kg		101188		

GROUND PRESSURE				
Description	Shoe width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm
EC380EHR				
Demolition mode; fixed undercarriage, with 12.57 m base boom + demo. boom, 2.5 m inter. arm, 6.7 m demolition arm, 2 500 kg crusher, 10 000 kg counterweight				
Triple grouser	600	48 615	86.7	3 980
	700	49 055	75.0	4 080
	800	49 505	66.2	4 180
	900	49 955	59.4	4 280
Triple grouser (HD)	600	49 065	87.5	3 980
Double grouser	600	48 895	87.2	3 980
EC380EHR				
Demolition mode; hydraulically retractable undercarriage, with 12.57 m base boom + demo. boom, 2.5 m inter. arm, 6.7 m demolition arm, 3 000 kg crusher, 10 000 kg counterweight				
Triple grouser	600	53 310	95.1	3 980
	700	53 750	82.2	4 080
	800	54 200	71.7	4 180
	900	54 650	65.0	4 280
Triple grouser (HD)	600	53 760	95.9	3 980
Double grouser	600	53 590	95.6	3 980
EC480EHR				
Demolition mode; fixed undercarriage, with 15.60 m base boom + demo. boom, 2.5 m inter. arm, 8.5 m demolition arm, 3 000 kg crusher, 13 000 kg counterweight				
Triple grouser	600	60 340	104.3	3 340
	700	60 840	90.2	3 440
	800	61 345	79.5	3 540
	900	61 845	71.3	3 640
Double grouser	600	60 390	104.4	3 340
EC480EHR				
Demolition mode; mech. retractable undercarriage, with 15.60 m base boom + demo. boom, 2.5 m inter. arm, 8.5 m demolition arm, 3 000 kg crusher, 13 000 kg counterweight				
Triple grouser	600	61 305	105.5	3 490
	700	61 805	91.2	3 590
	800	62 310	80.4	3 690
	900	62 810	72.1	3 790
Double grouser	600	61 355	105.6	3 490
EC480EHR				
Demolition mode; hydraulically retractable undercarriage, with 15.60 m base boom + demo. boom, 2.5 m inter. arm, 8.5 m demolition arm, 3 500 kg crusher, 13 000 kg counterweight				
Triple grouser	600	66 585	114.4	3 980
	700	67 085	98.8	4 080
	800	67 590	87.1	4 180
	900	68 090	78	4 280
Double grouser	600	66 635	114.5	3 980
EC750EHR				
Demolition mode; hydraulically retractable undercarriage, with 20.35 m base boom + demo. boom, 2.6 m inter. arm, 11.55 m demolition arm, 3 600 kg crusher, 15 000 kg counterweight				
Double grouser	650	103 267	136.3	3 795 / 3 700*
	750	104 029	119	3 800
	900	105 172	100.3	3 950
EC750EHR				
Demolition mode; hydraulically retractable undercarriage, with 13.88 m base boom + demo. boom, 2.6 m inter. arm, 7.41 m demolition arm, 5 000 kg crusher, 15 000 kg counterweight				
Double grouser	650	100 183	132.3	3 795 / 3 700*
	750	100 945	115.5	3 800
	900	102 088	97.3	3 950
EC750EHR				
Demolition mode; hydraulically retractable undercarriage, with 12.67 m base boom + EXT. boom + demo. boom, 4.2 m digging arm, 9 100 kg tool, 15 000 kg counterweight				
Double grouser	650	107 678	142.2	3 795 / 3 700*
	750	108 440	124.1	3 800
	900	109 583	104.5	3 950
EC750EHR				
Demolition mode; hydraulically retractable undercarriage, with 8.3 m base boom + digging boom, 4.2 m digging arm, 7 260 kg tool, 11 200 kg counterweight				
Double grouser	650	95 875	126.6	3 795 / 3 700*
	750	96 637	110.6	3 800
	900	97 780	93.2	3 950

* without welding block

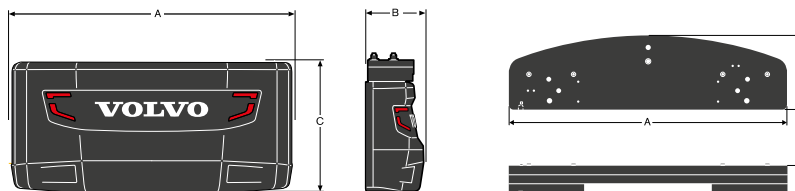
Specifications



DIMENSIONS

Description	Unit	EC380EHR		EC480EHR		EC750EHR	
		Undercarriage fixed	Undercarriage hydraulically retractable	Undercarriage fixed	Undercarriage mechanically retractable	Undercarriage hydraulically retractable	Undercarriage hydraulically retractable
A Width superstructure	mm	2 990	2 990	2 990	2 990	2 990	3 420
B Overall width with walk way (Only left side)	mm	3 320	3 320	3 320	3 320	3 320	-
Overall width with SIPS(both side) & Cab entrance step(Left side)	mm	3 415	3 415	3 415	3 415	3 415	3 904
Overall width without SIPS(both side) & Cab entrance step(Left side)	mm	2 990	2 990	2 990	2 990	2 990	-
C Overall height	mm	3 235	3 265	3 280	3 390	3 390	3 484
C1 Overall height (incl. FOG)	mm	3 330	3 360	3 390	3 500	3 500	3 562
D Tail swing radius	mm	3 600	3 600	3 880	3 880	3 880	4 238
E Overall height of Handrail	mm	3 690	3 720	3 735	3 845	3 845	3 941
E Overall height of Diffuser	mm	3 470	3 500	3 515	3 625	3 625	3 790
F Minimum Counterweight clearance *	mm	1 220	1 220	1 250	1 360	1 360	1 480
G Tumbler length	mm	4 240	4 240	4 370	4 370	4 370	5 280
H Track length	mm	5 180	5 210	5 370	5 370	5 370	6 518
I Track gauge (extended)	mm	2 740	3 380	2 740	2 890	3 380	4 300
Track gauge (retracted)	mm	-	2 390	-	2 390	2 390	3 050
J Shoe width	mm	600	600	600	600	600	750
K Min. ground clearance *	mm	500	480	515	710	485	563
L Overall length	mm	7 065	7 065	7 535	7 535	7 535	8 728

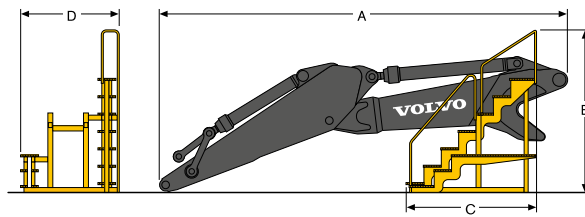
* With shoe grouser



DIMENSIONS OF THE COUNTERWEIGHT

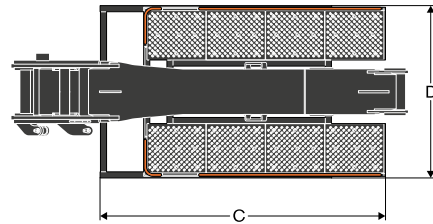
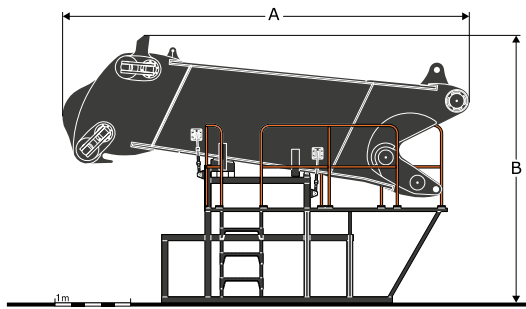
Description	Unit	EC380EHR		EC480EHR			EC750EHR	
		standard	additional cwt	standard	additional cwt w/ manual	additional cwt w/ hyd removable	standard	additional cwt w/ hyd removable
A Width counterweight	mm	2 974	2 950	2 990	2 950	2 950	3 406	3 240
B Thickness counterweight	mm	734	590	920	590	590	808	658
C Height counterweight	mm	1 395	270	1 140	360	360	1 747	360
Total weight counterweight	kg	7 250	2 750	9 750	3 350	3 500	11 200	4 186

CAUTION: The machine can transported with the digging boom fitted. If it's transported without digging boom but with additional counterweight, take care of stability (tilting back) during the loading / unloading on truck.



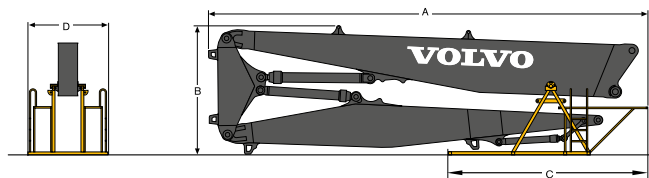
DIMENSIONS OF DIGGING EQUIPMENT

Description	Unit	EC380EHR		EC480EHR		EC750EHR
		3.2 m	3.9 m	3.35 m	3.9 m	4.2 m
A Length - mounting to arm end	mm	6 865	7 600	8 775	8 785	8 190
B Overall height	mm	2 320	2 340	2 500	2 480	2 945
C Length of support cradle	mm	1 185	1 185	2 565	2 565	2 565
D Width of support cradle	mm	1 630	1 630	2 080	2 080	2 080
Weight of digging boom with transport cradle	kg	5 180	5 320	6 350	6 440	11 075



DIMENSIONS OF DIGGING BOOM EXTENSION

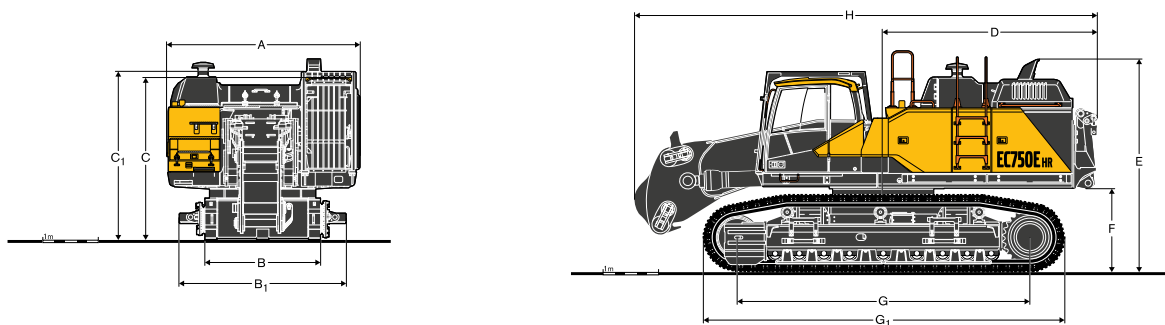
Description	Unit	EC380EHR	EC480EHR	EC750EHR
A Overall length	mm	3 730	4 465	5 383
B Overall height	mm	2 645	2 500	3 584
C Length of support cradle	mm	2 690	4 740	3 776
D Width of support cradle	mm	2 180	2 180	2 280
Weight, including support cradle	kg	3 850	3 845	6 618



DIMENSIONS OF 3-PIECE DEMOLITION BOOM IN SUPPORT CRADLE

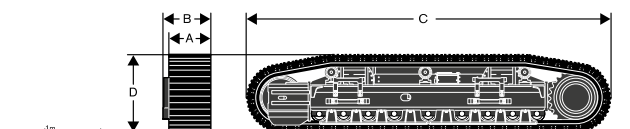
Description	Unit	EC380EHR	EC480EHR	EC750EHR	
				26m	36m
A Overall length	mm	10 075	13 380	11 082	17 306
B Overall height	mm	3 012	3 050	3 569	3 597
C Length of support cradle	mm	2 565	2 585	8 510	13 838
D Width of support cradle	mm	2 080	2 040	2 416	2 416
Weight of working equipment without attachment, including support cradle	kg	7 510	9 755	14 240	19 500

Specifications



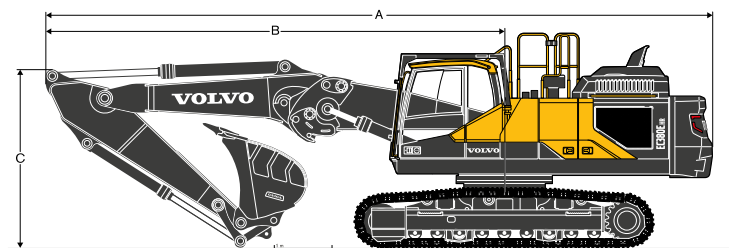
DIMENSION OF BASE MACHINE, TRANSPORTATION MODE

Description	Unit	EC750EHR
		Hydraulically retractable Undercarriage
A. Overall width with Handrail on FOG	mm	3 498
B. Width lower frame center	mm	2 095
B1. Overall width lower frame center	mm	3 044
C. Overall height	mm	2 971
C1. Overall height (incl. FOG)	mm	3 050
D. Swing radius center to CWT linkage	mm	3 867
E. Overall height of Diffuser	mm	3 277
F. Minimum upper frame clearance	mm	921
G. Length lower frame center	mm	2 859
G. Overall length lower frame center	mm	3 781
H. Overall length	mm	8 353
Base machine weight	kg	28 895



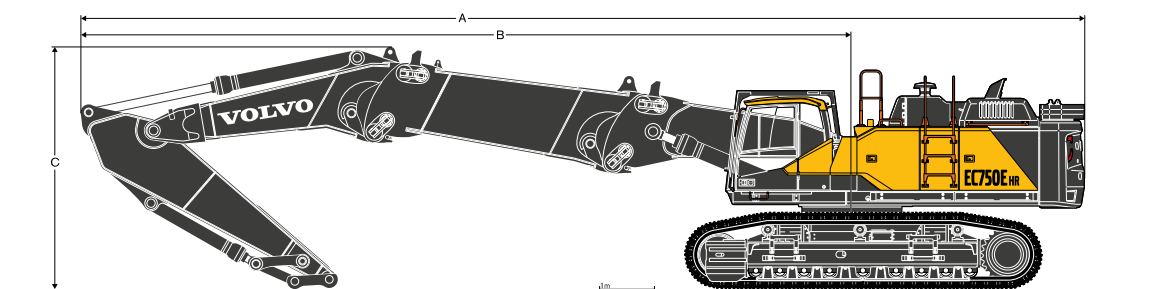
DIMENSION OF BASE MACHINE, TRACK FRAME

Description	Unit	EC750EHR
		Hydraulically retractable Undercarriage
A. Width track	mm	750
B. Overall width track and frame	mm	855
C. Length	mm	6 518
D. Height	mm	1 406
Total weight	kg	19 624



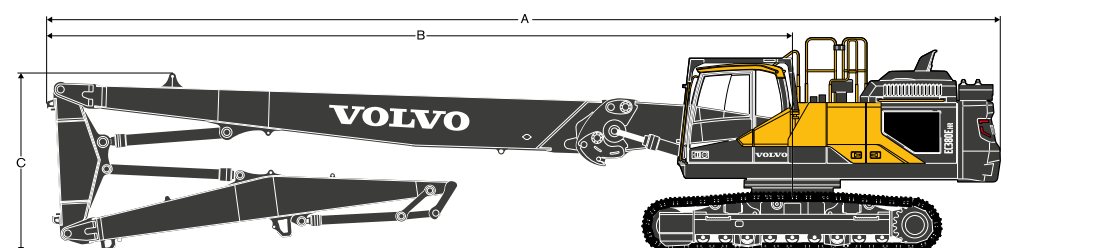
DIMENSIONS WITH DIGGING EQUIPMENT (POSITION FOR TRANSPORT)

			EC380EHR		EC480EHR		EC750EHR	
Boom			Unit	Straight boom 6.8 m		Straight boom 7.5 m		Straight boom 8.3 m
Arm				3.2 m	3.9 m	3.35 m	3.9 m	4.2m
A	Overall length		mm	11 555	11 420	12 735	12 720	13 899
B	Swing centre to front of equipment		mm	7 955	7 820	8 855	8 835	9 660
C	Maximum height of boom in transport position		mm	3 085	3 960	3 510	3 670	4 243
Operating weight, excluding bucket			kq	45 525	45 665	56 330	56 420	89 377



DIMENSIONS WITH DIGGING BOOM EXTENSION

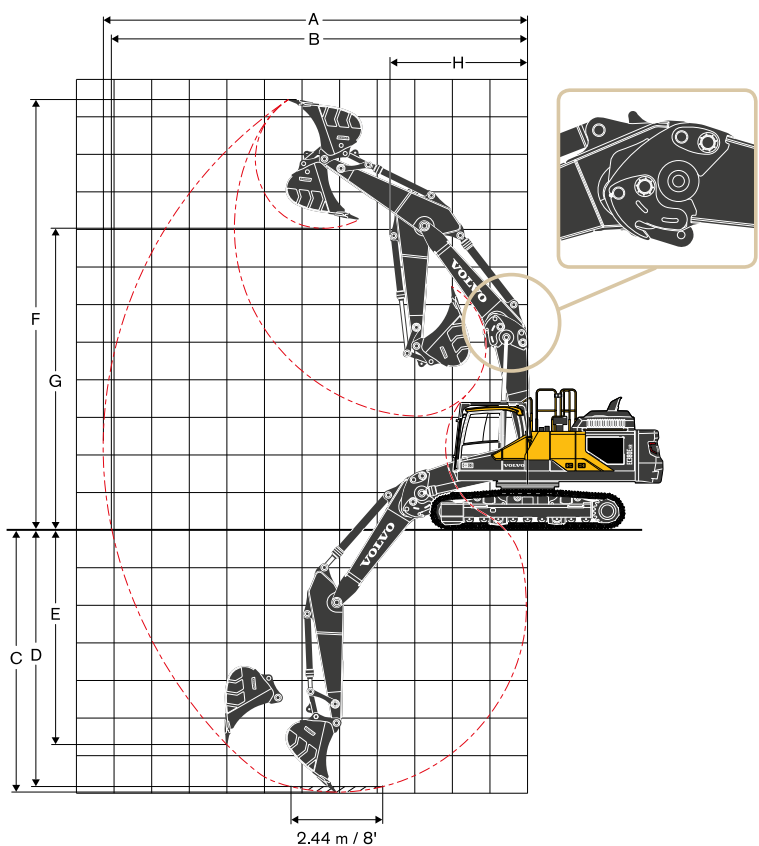
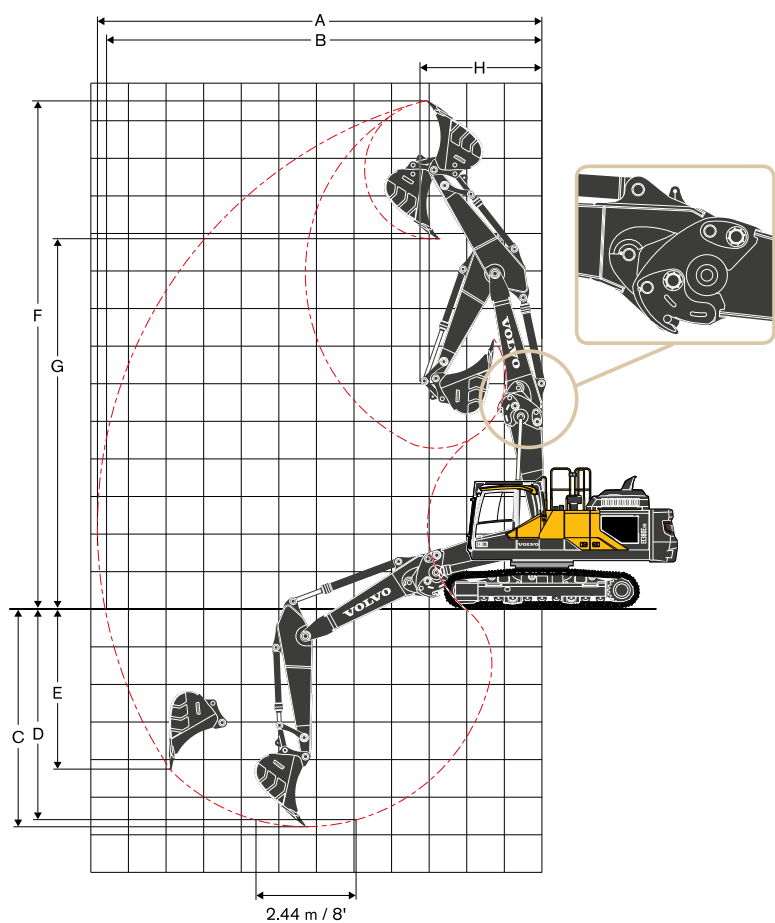
		Unit	EC380EHR		EC480EHR		EC750EHR
Boom			Straight & Straight Boom 9.8 m		Straight Boom 10.85m		Straight Boom 12.7m
Arm			3.2 m	3.9 m	3.35 m	3.9 m	4.2m
A	Overall length	mm	14 580	14 520	16 075	16 070	18 311
B	Swing centre to front of equipment	mm	10 980	10 920	12 190	12 190	14 072
C	Maximum height of boom in transport position	mm	3 300	3 720	3 755	3 840	4 418
Operating weight, excluding tool , cradle		kg	48 500	48 640	59875	59945	99 340



DIMENSIONS WITH 3-PIECE DEMOLITION ATTACHMENT

		Unit	EC380EHR	EC480EHR	EC750EHR	
					26m	36m
A	Overall length	mm	16 515	20 045	18 939	25 156
B	Swing centre to front of equipment	mm	12 915	16 165	14 701	20 918
C	Maximum height of boom in transport position	mm	3 110	3 095	3 621	3 489
Operating weight, excluding crusher		kg	50 310	63 085	95 945	100 429

Specifications



WORKING RANGES WITH STRAIGHT BOOM

		EC380EHR		EC480EHR		EC750EHR
Boom		Straight boom 6.8 m		Straight boom 7.5 m		Straight boom 8.3 m
Arm		3.2 m	3.9 m	3.35 m	3.9 m	4.2m
Bucket tip radius	mm	1 846	1 846	1 960	1 960	2 190
A Maximum digging reach	mm	11 825	12 500	12 815	13 330	14 567
B Maximum digging reach on ground	mm	11 625	12 310	12 590	13 115	14 339
C Maximum digging depth	mm	5 800	6 500	6 470	7 020	6 861
D Maximum digging depth (2.4 m level)	mm	5 650	6 370	6 325	6 890	6 744
E Maximum vertical wall digging depth	mm	4 300	4 815	5 060	5 520	4 684
F Maximum cutting height	mm	13 495	14 090	13 905	14 275	15 810
G Maximum dumping height	mm	9 810	10 410	10 030	10 410	11 465
H Minimum front swing radius	mm	3 250	3 580	3 970	3 940	4 906

DIGGING FORCES WITH STRAIGHT BOOM

		EC380EHR		EC480EHR		EC750EHR
Boom		Straight boom 6.8 m		Straight boom 7.5 m		Straight boom 8.3 m
Arm		3.2 m	3.9 m	3.35 m	3.9 m	4.2m
Bucket tip radius	mm	1 846	1 846	1 960	1 960	2190
Breakout force-bucket (Normal/Power boost) ISO	kN	201/219	201/219	243/265	243/265	304/317
Tearout force-arm (Normal / Power boost) ISO	kN	162/177	142/155	198/216	177/193	255/266
Rotation angle, bucket	°	178	178	183	183	173.4

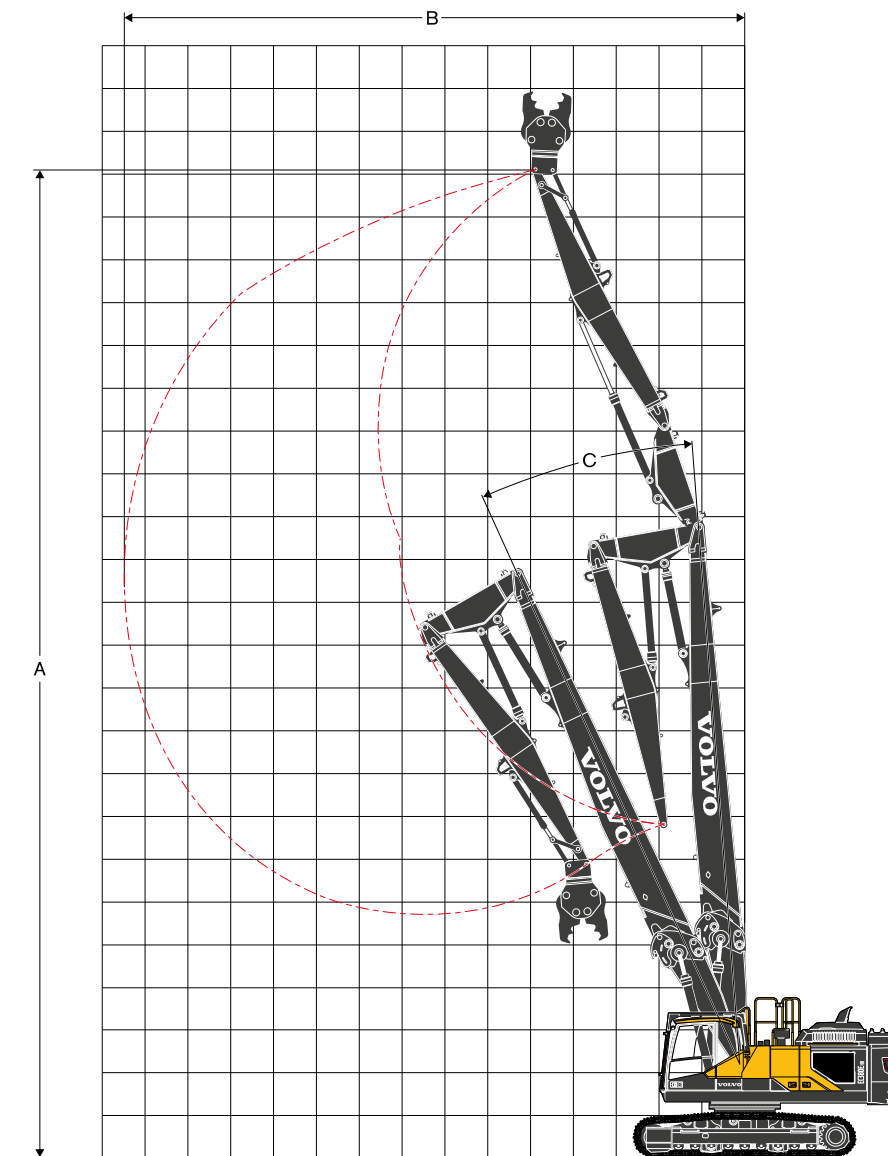
WORKING RANGES WITH BENT BOOM

		EC380EHR		EC480EHR		EC750EHR
Boom		Bent boom 6.5 m		Bent boom 7.0 m		Bent boom 7.7 m
Arm		3.2 m	3.9 m	3.35 m	3.9 m	4.2m
Bucket tip radius	mm	1 846	1 846	1 960	1 960	2 190
A Maximum digging reach	mm	11 285	11 935	12 095	12 585	13 697
B Maximum digging reach on ground	mm	11 075	11 735	11 855	12 355	13 452
C Maximum digging depth	mm	7 010	7 710	7 730	8 280	8 324
D Maximum digging depth (2.4 m level)	mm	6 860	7 575	7 585	8 150	8 207
E Maximum vertical wall digging depth	mm	5 740	6 340	5 530	5 865	7 257
F Maximum cutting height	mm	11 420	11 790	10 990	11 135	12 520
G Maximum dumping height	mm	7 995	8 375	7 490	7 655	8 558
H Minimum front swing radius	mm	3 660	3 710	5 065	4 935	5 354

DIGGING FORCES WITH BENT BOOM

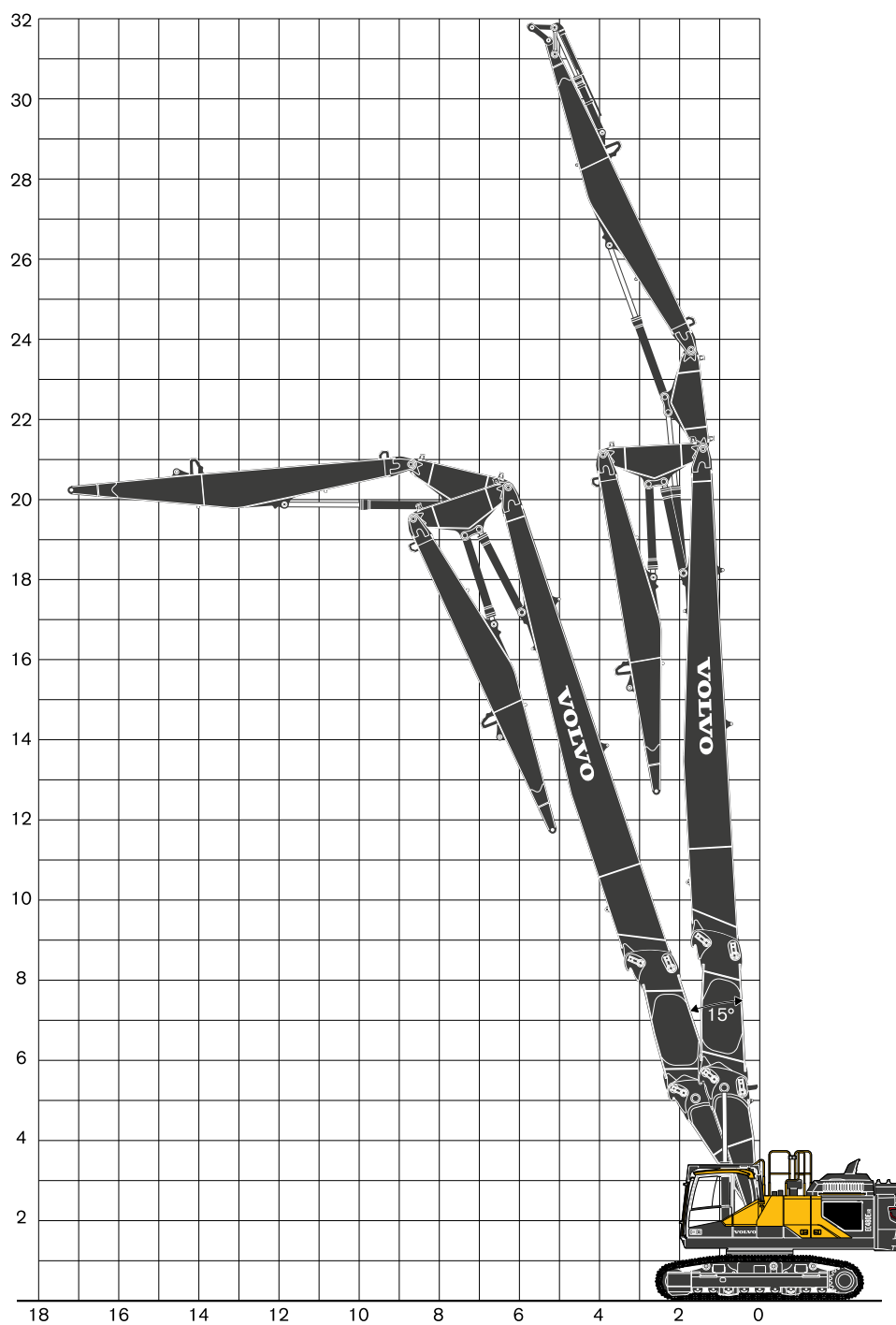
		EC380EHR		EC480EHR		EC750EHR
Boom		Bent boom 6.5 m		Bent boom 7.0 m		Bent boom 7.7 m
Arm		3.2 m	3.9 m	3.35 m	3.9 m	4.2m
Bucket tip radius	mm	1 846	1 846	1 960	1 960	2190
Breakout force-bucket (Normal/Power boost) ISO	kN	201/219	201/219	243/265	243/265	304/317
Tearout force-arm (Normal / Power boost) ISO	kN	162/177	142/155	198/216	177/193	255/266
Rotation angle, bucket	°	178	178	183	183	173.4

Specifications



WORKING RANGES AND MAX. TOOL WEIGHT (machines with 3-piece demolition boom)

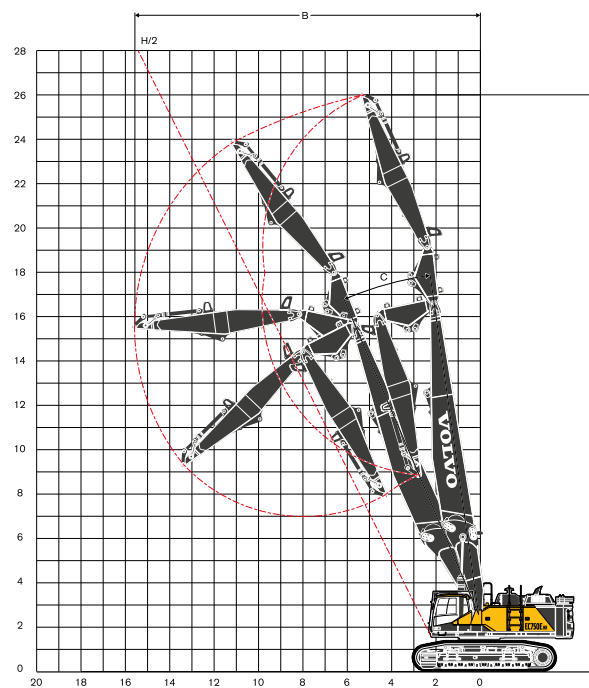
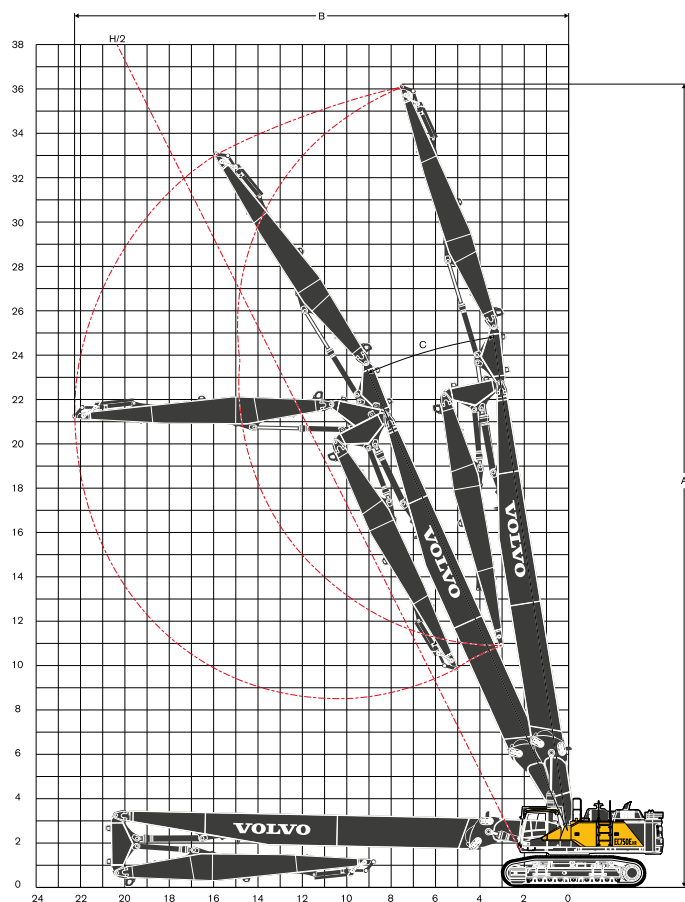
Description	Unit	EC380EHR	
		Undercarriage, fixed	Undercarriage hydraulically retractable
A Maximum pin height	mm	23 025	23 060
Pin height H/2		20 354	20 389
B Maximum pin reach	mm	14 490	14 490
Pin reach H/2		11 390	11 390
Maximum tool weight	t	2.5	3
C Operating angle	°	24.4	24.4



WORKING RANGES AND MAX. TOOL WEIGHT (machines with 3-piece demolition boom)

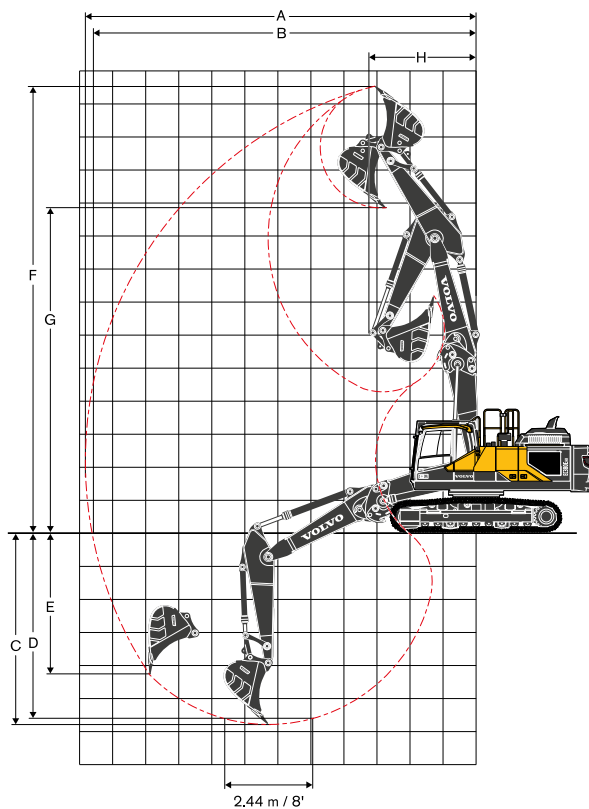
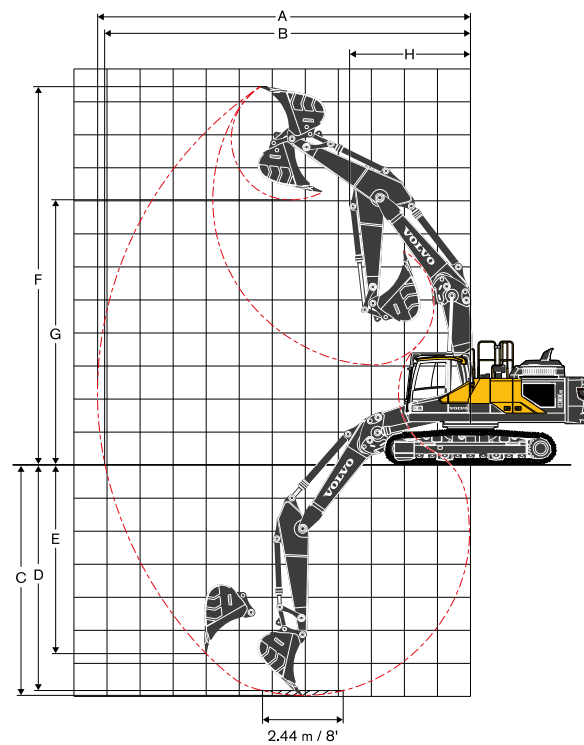
Description	Unit	EC480EHR		
		Undercarriage, fixed	Undercarriage mechanically retractable	Undercarriage hydraulically retractable
A Maximum pin height	mm	28 030	28 140	28 140
Pin height H/2		24 188	24 298	24 298
B Maximum pin reach	mm	16 090	16 090	16 090
Pin reachH/2		13 419	13 419	13 419
Maximum tool weight	t	3	3	3.5
C Operating angle	°	18.8	18.8	18.8

Specifications



WORKING RANGES AND MAX. TOOL WEIGHT (machines with 3-piece demolition boom)

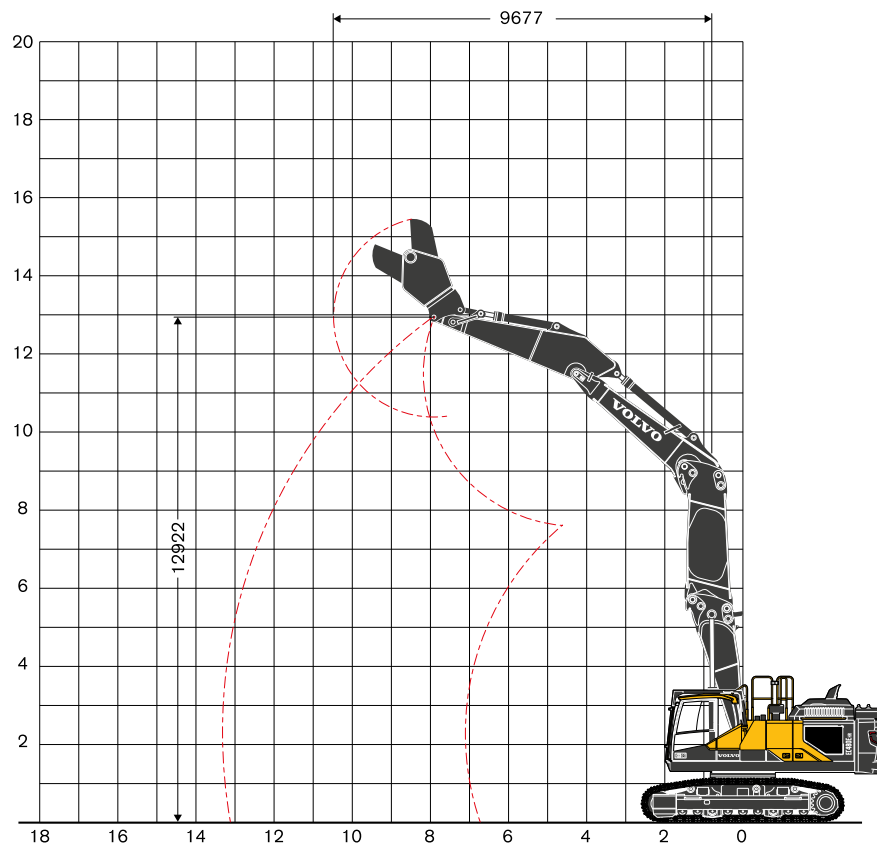
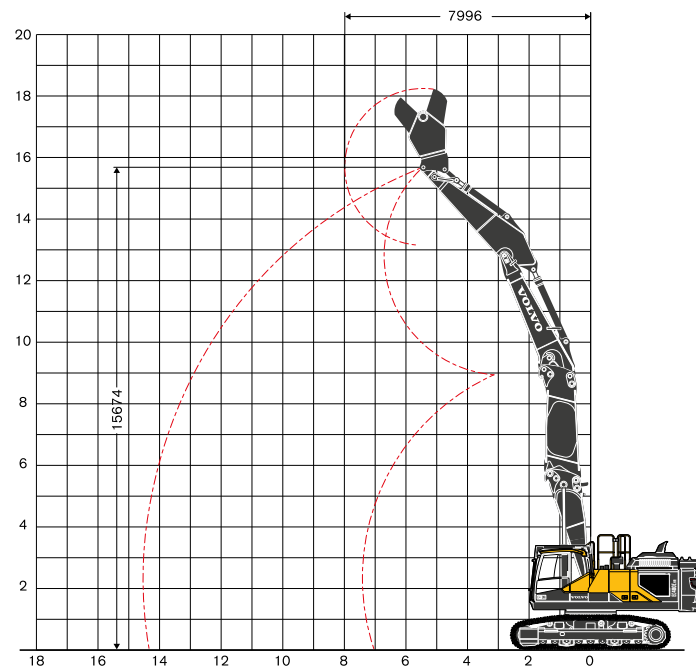
Description	Unit	EC750EHR	
		26 m	36 m
		Undercarriage hydraulically retractable	Undercarriage hydraulically retractable
A Maximum pin height	mm	26 000	36 000
Pin height H/2		22 600	31 922 / 31 271*
B Maximum pin reach	mm	15 589	22 273 / 20 626*
Pin reach H/2		12 672	17 348 / 17 023*
Maximum tool weight	t	5	3.6
C Operating angle	°	23.5	23.5 / 18.5
*Across			



WORKING RANGES AND MAX. TOOL WEIGHT (machines with digging boom extension)

EC380EHR

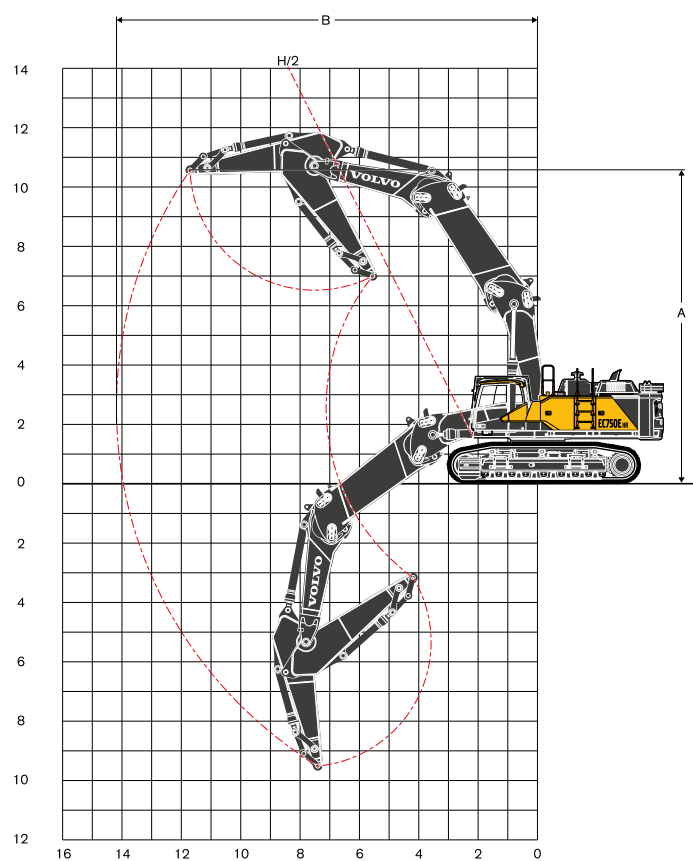
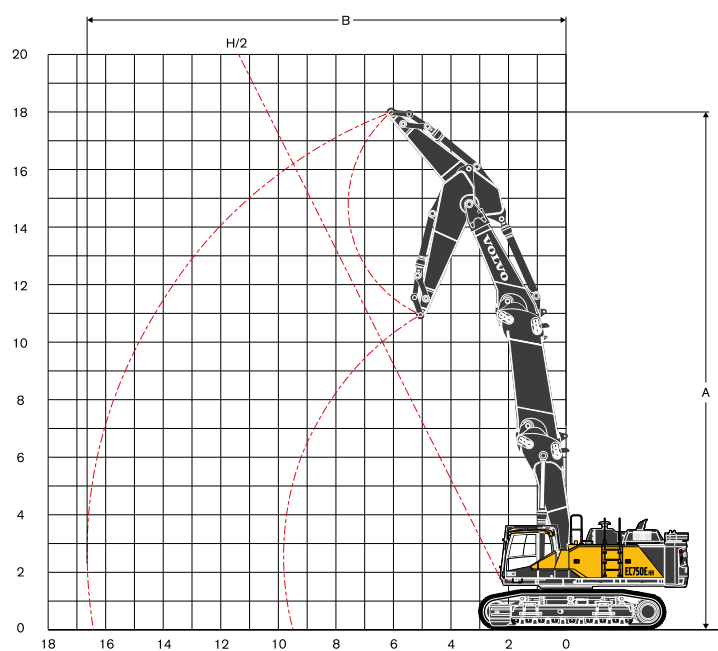
Boom		Straight & Straight Boom 9.8 m		Bent & Bent boom 8.7 m	
Arm		3.9m arm		3.9m arm	
Description		Unit	Undercarriage, hydraulically retractable		
A	Maximum pin height	mm	15 245		9 810
B	Maximum pin reach	mm	13 620		11 885
Maximum tool weight		t	4.3		5.6
C	Maximum pin depth	mm	NO		8 518



WORKING RANGES AND MAX. TOOL WEIGHT (machines with digging boom extension)

EC480EHR

Boom		Straight Boom 10.85m		Bent boom 10.08m	
Arm		3.9m arm		3.9m arm	
Description		Unit	Undercarriage, hydraulically retractable		
A	Maximum pin height	mm	15775		13025
B	Maximum pin reach	mm	14560		13330
Maximum tool weight		t	4.7		5.7
C	Maximum pin depth	mm	NO		7 052



WORKING RANGES AND MAX. TOOL WEIGHT (machines with digging boom extension)

EC750EHR

Boom		Straight & Straight Boom 11.9 m		Bent & Bent boom 11.0 m	
Arm		4.2m arm		4.2m arm	
Description		Unit	Undercarriage, hydraulically retractable		
A	Maximum pin height	mm	15 083		10 570
B	Maximum pin reach	mm	15 314		14 198
Maximum tool weight		t	6.5		9.5
C	Maximum pin depth	mm	NO		9 509

Specifications

LIFTING CAPACITY EC380EHR with hydraulically retractable undercarriage

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.

	Lifting hook related to ground level		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		Max. reach						
			Across UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m				
Bent boom 6.5 m Arm 3.9 m Shoe 600 mm CWT 7 250 kg	9.0 m	kg															*6 170	*6 170	7.4				
	7.5 m	kg									*9 030	*9 030					*5 730	*5 730	8.6				
	6.0 m	kg									*10 190	*10 190	*7 430	*7 430			*5 570	*5 570	9.3				
	4.5 m	kg						*15 310	*15 310	*12 560	*12 560	*10 990	*10 990	*9 560	9 010			*5 580	*5 580	9.8			
	3.0 m	kg						*19 220	*19 220	*14 460	*14 460	*12 000	11 650	*10 510	8 790			*5 760	*5 760	10.1			
	1.5 m	kg						*22 270	*22 270	*16 150	15 640	*12 930	11 220	10 680	8 560			*6 110	*6 110	10.1			
	0.0 m	kg				*9 000	*9 000	*23 500	*23 500	*17 140	15 070	*13 510	10 880	10 480	8 370			*6 690	*6 690	9.8			
	-1.5 m	kg	*9 270	*9 270	*13 970	*13 970	*23 110	*23 110	*17 210	14 780	*13 510	10 690	10 390	8 290				*7 640	*7 640	9.4			
	-3.0 m	kg	*14 670	*14 670	*20 430	*20 430	*21 350	*21 350	*16 210	14 740	*12 610	10 670						*9 290	8 830	8.6			
	-4.5 m	kg				*23 940	*23 940	*17 970	*17 970	*13 720	*13 720	*9 850	*9 850					*9 800	*9 800	7.5			
Straight boom 6.8 m Arm 3.9 m Shoe 600 mm CWT 7 250 kg	10.5 m	kg								*9 680	*9 680							*7 470	*7 470	6.6			
	9.0 m	kg								*9 630	*9 630	*9 020	*9 020					*6 410	*6 410	8.2			
	7.5 m	kg								*9 280	*9 280	*9 680	*9 680	*7 540	*7 540			*5 890	*5 890	9.2			
	6.0 m	kg								*8 790	*8 790	*9 980	*9 980	*10 400	*10 400	*9 520	8 960			*5 640	*5 640	10.0	
	4.5 m	kg								*16 300	*16 300	*13 530	*13 530	*12 360	11 720	*10 910	8 790			*5 550	*5 550	10.4	
	3.0 m	kg									*16 530	15 840	*13 270	11 290	10 680	8 570	*7 160	6 740	*5 630	*5 630	10.6		
	1.5 m	kg									*17 280	15 130	*13 610	10 900	10 460	8 350	*7 610	6 670	*5 820	*5 820	10.7		
	0.0 m	kg									*15 390	*15 390	*17 060	14 680	*13 410	10 620	10 300	8 200			*6 180	*6 180	10.5
	-1.5 m	kg				*9 020	*9 020	*19 640	*19 640	*15 760	14 510	*12 450	10 490	*9 710	8 150				*6 780	*6 780	10.0		
	-3.0 m	kg									*16 350	*16 350	*13 300	*13 300	*10 450	*10 450	*7 330	*7 330			*6 230	*6 230	9.3
-4.5 m	kg									*9 360	*9 360											8.3	

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 EC380EHR with hydraulically retractable undercarriage

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.

With Boom extension	Lifting hook related to ground level		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		Max. reach														
			Across UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max. m												
Straight & Straight boom 9.8 m Arm 3.9 m Shoe 600 mm CWT 10 000 kg	15.0 m	kg															*10 650	*10 650	4.4												
	13.5 m	kg						*10 250	*10 250								*7 720	*7 720	7.5												
	12.0 m	kg						*9 530	*9 530	*9 610	*9 610	*8 220	*8 220				*6 660	*6 660	9.4												
	10.5 m	kg						*9 000	*9 000	*9 550	*9 550	*8 330	*8 330	*7 420	*7 420		*6 100	*6 100	10.8												
	9.0 m	kg				*8 410	*8 410	*9 430	*9 430	*9 810	*9 810	*8 400	*8 400	*7 380	*7 380		*5 790	*5 790	11.8												
	7.5 m	kg						*12 580	*12 580	*10 170	*10 170	*8 580	*8 580	*7 430	*7 430	*6 540	5 820	*5 620	5 300	12.5											
	6.0 m	kg								*10 600	*10 600	*8 800	*8 800	*7 520	7 180	*6 530	5 700	*5 560	4 820	13.1											
	4.5 m	kg								*10 950	*10 950	*8 970	8 660	*7 580	6 860	*6 520	5 520	*5 560	4 510	13.4											
	3.0 m	kg								*11 000	10 430	*9 000	8 160	*7 560	6 550	*6 430	5 340	*5 250	4 340	13.6											
	1.5 m	kg								*10 640	9 900	*8 820	7 780	*7 390	6 290	*6 230	5 180	*4 930	4 280	13.6											
	0.0 m	kg								*9 890	9 660	*8 370	7 540	*7 040	6 110	*5 870	5 070	*4 560	4 330	13.4											
	-1.5 m	kg								*8 820	*8 820	*7 630	7 450	*6 440	6 030	*5 260	5 030	*4 100	*4 100	13.1											
	-3.0 m	kg						*7 520	*7 520	*7 450	*7 450	*6 580	*6 580	*5 530	*5 530	*4 270	*4 270	*3 500	*3 500	12.6											
	-4.5 m	kg								*5 750	*5 750	*5 150	*5 150	*4 180	*4 180			*2 670	*2 670	11.8											
Straight & Bent boom 9.3 m Arm 3.9 m Shoe 600 mm CWT 10 000 kg	12.0 m	kg								*7 670	*7 670						*6 210	*6 210	8.0												
	10.5 m	kg								*8 770	*8 770	*7 660	*7 660				*5 780	*5 780	9.6												
	9.0 m	kg								*8 960	*8 960	*7 870	*7 870	*6 600	*6 600		*5 600	*5 600	10.7												
	7.5 m	kg								*9 370	*9 370	*8 070	*8 070	*7 150	*7 150		*5 560	*5 560	11.6												
	6.0 m	kg								*11 330	*11 330	*9 370	*9 370	*8 070	*8 070	*7 150	*7 150		*5 560	*5 560	11.6										
	4.5 m	kg								*12 410	*12 410	*9 930	*9 930	*8 370	*8 370	*7 290	*7 290	*6 450	5 910	*5 630	*5 630	12.1									
	3.0 m	kg								*13 510	*13 510	*10 510	*10 510	*8 690	*8 690	*7 440	7 210	*6 520	5 740	*5 810	5 310	12.5									
	1.5 m	kg								*12 030	*12 030	*10 920	*10 920	*8 930	8 630	*7 560	6 870	*6 530	5 550	*6 090	5 020	12.7									
	0.0 m	kg								*9 440	*9 440	*11 020	10 430	*9 010	8 170	*7 580	6 560	*6 460	5 360	*5 960	4 890	12.7									
	-1.5 m	kg								*11 220	*11 220	*10 750	10 020	*8 870	7 840	*7 440	6 330	*6 250	5 220	*5 810	4 890	12.5									
	-3.0 m	kg								*11 900	*11 900	*10 140	9 840	*8 470	7 650	*7 070	6 190	*5 800	5 150	*5 630	5 050	12.2									
	-4.5 m	kg								*10 570	*10 570	*10 550	*10 550	*9 180	*9 180	*7 740	7 600	*6 410	6 160		*5 350	*5 350	11.6								
	-6.0 m	kg								*8 850	*8 850	*8 830	*8 830	*7 830	*7 830	*6 610	*6 610	*5 250	*5 250		*4 900	*4 900	10.8								
	-7.5 m	kg								*6 560	*6 560	*5 930	*5 930	*4 840	*4 840					*4 100	*4 100	9.7									
Bent & Straight boom 9.4 m Arm 3.9 m Shoe 600 mm CWT 10 000 kg	12.0 m	kg															*6 460	*6 460	8.6												
	10.5 m	kg											*6 650	*6 650				*5 940	*5 940	10.1											
	9.0 m	kg											*6 710	*6 710	*6 240	*6 240		*5 690	*5 690	11.1											
	7.5 m	kg											*6 980	*6 980	*6 330	*6 330		*5 570	*5 570	11.9											
	6.0 m	kg											*10 800	*10 800	*8 680	*8 680	*7 400	*6 550	*6 550	*5 990	5 970	*5 570	5 490	12.5							
	4.5 m	kg											*9 490	*9 490	*7 870	*7 870	*6 830	*6 830	*6 110	5 800	*5 660	5 080	12.9								
	3.0 m	kg											*10 210	*10 210	*8 320	*8 320	*7 100	6 910	*6 250	5 600	*5 790	4 840	13.0								
	1.5 m	kg											*10 670	10 470	*8 660	8 210	*7 320	6 610	*6 360	5 410	*5 790	4 730	13.1								
	0.0 m	kg											*10 800	10 090	*8 810	7 890	*7 420	6 390	*6 370	5 270	*5 800	4 750	12.9								
	-1.5 m	kg											*11 860	*11 860	*10 620	9 920	*8 750	7 720	*7 350	6 250	*6 220	5 200	*5 800	4 900	12.5						
	-3.0 m	kg											*12 190	*12 190	*10 140	9 910	*8 430	7 670	*7 050	6 220		*5 760	5 240	12.0							
	-4.5 m	kg											*11 060	*11 060	*9 320	*9 320	*7 780	7 750	*6 390	6 310		*5 630	*5 630	11.2							
	-6.0 m	kg											*10 710	*10 710	*9 460	*9 460	*8 040	*8 040	*6 620	*6 620		*5 330	*5 330	10.2							
	-7.5 m	kg											*7 120	*7 120	*5 970	*5 970					*4 610	*4 610	8.7								
Bent & Bent boom 8.7 m Arm 3.9 m Shoe 600 mm CWT 10 000 kg	9.0 m	kg															*5 570	*5 570	9.7												
	7.5 m	kg																*5 580	*5 580	10.6											
	6.0 m	kg												*7 350	*7 350	*6 520	*6 520	*6 020	*6 020		*5 710	*5 710	11.3								
	4.5 m	kg												*10 480	*10 480	*8 300	*8 300	*7 080	*7 080	*6 340	*6 340		*5 970	*5 970	11.7						
	3.0 m	kg												*12 180	*12 180	*9 280	*9 280	*7 690	*7 690	*6 720	*6 720		*6 170	5 940	11.9						
	1.5 m	kg												*13 380	*13 380	*10 120	*10 120	*8 250	*8 250	*7 090	6 960		*6 380	5 730	11.9						
	0.0 m	kg												*13 940	*13 940	*10 690	10 670	*8 690	8 320	*7 380	6 690		*6 650	5 700	11.7						
	-1.5 m	kg																*11 730	*11 730	*14 030	*14 030	*10 960	10 340	*8 940	8 050	*7 540	6 500		*6 960	5 860	11.3
	-3.0 m	kg	*12 330	*12 330	*16 500	*16 500	*13 760	*13 760	*10 930	10 200	*8 950	7 920	*7 490	6 420										*7 320	6 270	10.7					
	-4.5 m	kg	*16 830	*16 830	*16 720	*16 720	*13 120	*13 120	*10 540	10 240	*8 620	7 940												*7 750	7 090	9.8					
	-6.0 m	kg	*19 630	*19 630	*15 040	*15 040	*11 950	*11 950	*9 630	*9 630														*8 210	*8 210	8.6					
	-7.5 m	kg	*15 710	*15 710	*12 340	*12 340	*9 840	*9 840																	*8 640	*8 640	6.8				

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.

Specifications

LIFTING CAPACITY EC480EHR with hydraulically retractable undercarriage

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.

	Lifting hook related to ground level		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		Max. reach		
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max. m
Bent boom 7 m Arm 3.9 m Shoe 600 mm CWT 9 750 kg	9.0 m	kg															*7 870	*7 870	8.3
	7.5 m	kg											*9 310	*9 310			*7 520	*7 520	9.3
	6.0 m	kg									*11 820	*11 820	*11 240	*11 240			*7 430	*7 430	10.0
	4.5 m	kg							*15 320	*15 320	*13 160	*13 160	*11 920	11 470			*7 540	*7 540	10.4
	3.0 m	kg					*25 080	*25 080	*18 080	*18 080	*14 700	14 620	*12 790	11 100	*8 940	8 720	*7 850	*7 850	10.6
	1.5 m	kg					*21 910	*21 910	*20 420	19 380	*16 120	14 010	*13 630	10 750	*9 400	8 540	*8 370	*8 370	10.6
	0.0 m	kg			*8 450	*8 450	*22 190	*22 190	*21 870	18 690	*17 140	13 560	13 560	10 480			*9 210	8 590	10.3
	-1.5 m	kg	*10 980	*10 980	*15 030	*15 030	*27 700	*27 700	*22 310	18 350	17 460	13 300	13 400	10 320			*10 540	9 110	9.9
	-3.0 m	kg	*17 290	*17 290	*22 480	*22 480	*28 670	*28 670	*21 690	18 300	*17 100	13 240	13 420	10 340			*12 830	10 160	9.1
	-4.5 m	kg			*32 210	*32 210	*25 680	*25 680	*19 710	18 520	*15 260	13 440					*13 700	12 270	8.0
	-6.0 m	kg					*20 180	*20 180	*15 100	*15 100							*13 650	*13 650	6.4
	-12.0 m	kg															*10 420	*10 420	6.0
Straight boom 7.5 m Arm 3.9 m Shoe 600 mm CWT 9 750 kg	10.5 m	kg									*10 970	*10 970					*8 570	*8 570	7.9
	9.0 m	kg									*12 320	*12 320	*9 600	*9 600			*7 730	*7 730	9.2
	7.5 m	kg							*12 200	*12 200	*12 880	*12 880	*12 170	11 590			*7 300	*7 300	10.2
	6.0 m	kg					*14 580	*14 580	*14 860	*14 860	*14 630	*14 630	*12 960	11 370	*9 770	8 780	*7 090	*7 090	10.8
	4.5 m	kg							*19 200	*19 200	*15 690	14 620	*13 480	11 050	11 100	8 650	*7 070	*7 070	11.2
	3.0 m	kg							*21 080	19 400	*16 700	13 980	13 790	10 690	10 910	8 470	*7 200	*7 200	11.4
	1.5 m	kg							*22 100	18 500	*17 340	13 440	13 450	10 370	10 730	8 310	*7 480	7 410	11.4
	0.0 m	kg					*11 880	*11 880	*21 970	18 020	17 230	13 090	13 220	10 150	10 620	8 200	*7 950	7 580	11.1
	-1.5 m	kg					*17 680	*17 680	*20 710	17 870	*16 590	12 930	13 120	10 060	*10 450	8 210	*8 710	8 030	10.7
	-3.0 m	kg					*22 290	*22 290	*18 340	17 980	*14 850	12 980	*11 730	10 120			*9 030	8 880	10.0
	-4.5 m	kg							*14 620	*14 620	*11 710	*11 710							9.0
	-12.0 m	kg																	

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 EC480EHR with hydraulically retractable undercarriage

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.

With Boom extension	Lifting hook related to ground level		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		Max. reach		
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max. m
Straight boom 10.85 m Arm 3.9 m Shoe 600 mm CWT 13 000 kg	15.0 m	kg															*10 170	*10 170	7.1
	13.5 m	kg					*12 260	*12 260	*10 110	*10 110							*8 780	*8 780	9.3
	12.0 m	kg					*12 270	*12 270	*10 620	*10 620	*9 430	*9 430					*8 090	*8 090	10.9
	10.5 m	kg			*12 390	*12 390	*12 490	*12 490	*10 690	*10 690	*9 390	*9 390	*8 090	7 650			*7 700	7 570	12.1
	9.0 m	kg	*19 510	*19 510	*15 960	*15 960	*12 920	*12 920	*10 910	*10 910	*9 470	*9 470	*8 380	7 640			*7 500	6 510	13.0
	7.5 m	kg			*17 100	*17 100	*13 480	*13 480	*11 200	*11 200	*9 610	9 350	*8 410	7 440	*7 430	5 920	*7 350	5 800	13.6
	6.0 m	kg					*14 030	*14 030	*11 490	11 180	*9 750	8 870	*8 460	7 160	*7 400	5 800	*6 990	5 320	14.1
	4.5 m	kg					*14 280	13 040			*9 830	8 380	*8 460	6 840	*7 330	5 630	*6 660	4 990	14.4
	3.0 m	kg							*11 590	9 730	*9 770	7 930	*8 360	6 550	*7 190	5 450	*6 340	4 810	14.5
	1.5 m	kg							*11 210	9 280	*9 520	7 590	*8 140	6 310	*6 930	5 300	*6 010	4 730	14.5
	0.0 m	kg					*10 210	*10 210	*10 510	9 030	*9 050	7 360	*7 730	6 140	*6 480	5 200	*5 630	4 770	14.4
	-1.5 m	kg					*10 280	*10 280	*9 540	8 960	*8 310	7 260	*7 080	6 060	*5 770	5 180	*5 160	4 940	14.0
Bent boom 10.08 m Arm 3.9 m Shoe 600 mm CWT 13 000 kg	-3.0 m	kg					*8 720	*8 720	*8 270	*8 270	*7 280	7 270	*6 130	6 080	*4 580	*4 580	*4 560	*4 560	13.5
	-4.5 m	kg					*6 840	*6 840	*6 660	*6 660	*5 880	*5 880	*4 710	*4 710			*3 730	*3 730	12.8
	12.0 m	kg							*8 370	*8 370							*7 760	*7 760	9.2
	10.5 m	kg							*9 670	*9 670	*7 650	*7 650					*7 490	*7 490	10.5
	9.0 m	kg					*11 370	*11 370	*9 880	*9 880	*8 830	*8 830					*7 430	*7 430	11.5
	7.5 m	kg	*20 120	*20 120	*14 910	*14 910	*12 070	*12 070	*10 260	*10 260	*9 010	*9 010	*8 110	7 790			*7 510	7 420	12.3
	6.0 m	kg			*16 580	*16 580	*12 910	*12 910	*10 740	*10 740	*9 270	*9 270	*8 220	7 560			*7 740	6 670	12.8
	4.5 m	kg					*13 710	*13 710	*11 200	*11 200	*9 540	8 980	*8 350	7 250			*7 610	6 160	13.2
	3.0 m	kg					*14 200	13 290	*11 540	10 530	*9 740	8 500	*8 440	6 940			*7 510	5 840	13.3
	1.5 m	kg					*14 210	12 520	*11 660	9 940	*9 810	8 080	*8 430	6 660			*7 430	5 670	13.3
	0.0 m	kg					*13 800	12 120	*11 500	9 540	*9 700	7 770	*8 290	6 440			*7 340	5 660	13.1
	-1.5 m	kg			*14 320	*14 320	*13 040	11 960	*11 050	9 320	*9 360	7 580	*7 920	6 310			*7 230	5 810	12.7
	-3.0 m	kg			*13 300	*13 300	*11 970	*11 970	*10 280	9 260	*8 720	7 510	*7 230	6 290			*7 040	6 170	12.2
	-4.5 m	kg			*11 570	*11 570	*10 530	*10 530	*9 120	*9 120	*7 650	7 580					*6 700	*6 700	11.4
	-6.0 m	kg			*9 230	*9 230	*8 550	*8 550	*7 390	*7 390							*6 060	*6 060	10.3

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 EC750EHR

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.

	Lifting hook related to ground level		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		Max. reach		
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max. m
Boom 7.7 m Arm 4.2 m Shoe 900 mm Hyd. Removal CWT 12 816 kg	10.5 m	kg															*11 030	*11 030	8.3
	9 m	kg									*13 480	*13 480					*10 330	*10 330	9.5
	7.5 m	kg									*16 280	*16 280					*10 030	*10 030	10.4
	6 m	kg							*21 010	*21 010	*18 880	*18 880	*13 860	*13 860			*10 000	*10 000	11.0
	4.5 m	kg			*40 660	*40 660	*30 390	*30 390	*24 910	*24 910	*21 510	*21 510	*16 830	16 570			*10 180	*10 180	11.3
	3 m	kg					*33 680	*33 680	*26 770	*26 770	*22 550	20 630	*19 610	15 910			*10 600	*10 600	11.5
	1.5 m	kg					*35 820	*35 820	*28 140	25 930	*23 330	19 540	19 220	15 260			*11 280	*11 280	11.5
	0 m	kg			*23 020	*23 020	*36 370	34 780	*28 680	24 580	*23 590	18 660	18 660	14 730			*12 320	*12 320	11.2
	-1.5 m	kg	*17 320	*17 320	*30 250	*30 250	*35 370	33 760	*28 190	23 750	*23 070	18 080	18 330	14 410			*13 900	*13 900	10.8
	-3 m	kg	*26 390	*26 390	*40 850	*40 850	*32 840	*32 840	*26 420	23 410	*21 360	17 870					*16 470	15 300	10.1
	-4.5 m	kg	*37 440	*37 440	*35 150	*35 150	*28 460	*28 460	*22 860	*22 860	*17 340	*17 340					*17 070	*17 070	9.1
	-6 m	kg					*21 180	*21 180	*15 700	*15 700									7.6
Boom 8.3 m Arm 4.2 m Shoe 900 mm Hyd. Removal CWT 12 816 kg	13.5 m	kg															*16 030	*16 030	5.7
	12 m	kg							*15 460	*15 460							*12 820	*12 820	8.0
	10.5 m	kg							*16 230	*16 230	*14 450	*14 450					*11 370	*11 370	9.5
	9 m	kg							*16 080	*16 080	*16 170	*16 170	*11 340	*11 340			*10 590	*10 590	10.6
	7.5 m	kg					*15 940	*15 940	*17 110	*17 110	*17 300	*17 300	*15 450	*15 450			*10 180	*10 180	11.3
	6 m	kg					*22 910	*22 910	*21 010	*21 010	*19 700	*19 700	*17 580	15 940			*9 990	*9 990	11.9
	4.5 m	kg					*34 970	*34 970	*27 870	27 010	*23 290	19 970	19 270	15 360	*12 910	12 010	*10 000	*10 000	12.2
	3 m	kg					*36 300	35 670	*28 600	25 130	*23 580	18 880	18 610	14 720	14 870	11 720	*10 220	*10 220	12.4
	1.5 m	kg					*34 430	33 290	*28 480	23 630	22 930	17 950	18 020	14 160	14 600	11 460	*10 610	*10 610	12.3
	0 m	kg					*33 050	32 120	*27 250	22 670	22 230	17 290	17 600	13 760	*13 370	11 320	*11 240	11 190	12.1
	-1.5 m	kg			*17 550	*17 550	*29 750	*29 750	*24 810	22 240	*20 450	16 960	*16 460	13 590			*12 190	11 810	11.7
	-3 m	kg			*26 470	*26 470	*24 610	*24 610	*21 040	*21 040	*17 240	16 980	*12 910	*12 910			*10 420	*10 420	11.0
	-4.5 m	kg							*15 580	*15 580	*12 110	*12 110							10.1
Boom 7.7 m Arm 4.2 m Shoe 750 mm Hyd. Removal CWT 12 816 kg	10.5 m	kg									*13 480	*13 480					*11 030	*11 030	8.3
	9 m	kg									*13 480	*13 480					*10 330	*10 330	9.5
	7.5 m	kg									*16 280	*16 280					*10 030	*10 030	10.4
	6 m	kg							*21 010	*21 010	*18 880	*18 880	*13 860	*13 860			*10 000	*10 000	11.0
	4.5 m	kg			*40 660	*40 660	*30 390	*30 390	*24 910	*24 910	*21 510	*21 510	*16 830	16 340			*10 180	*10 180	11.3
	3 m	kg					*33 680	*33 680	*26 770	*26 770	*22 550	20 340	19 600	15 680			*10 600	*10 600	11.5
	1.5 m	kg					*35 820	*35 820	*28 140	25 550	*23 330	19 250	18 920	15 020			*11 280	*11 280	11.5
	0 m	kg			*23 020	*23 020	*36 370	34 250	*28 680	24 200	23 370	18 370	18 360	14 490			*12 320	*12 320	11.2
	-1.5 m	kg	*17 320	*17 320	*30 250	*30 250	*35 370	33 230	*28 190	23 370	22 760	17 790	18 030	14 170			*13 900	13 680	10.8
	-3 m	kg	*26 390	*26 390	*40 850	*40 850	*32 840	*32 840	*26 420	23 040	*21 360	17 580					*16 470	15 050	10.1
	-4.5 m	kg	*37 440	*37 440	*35 150	*35 150	*28 460	*28 460	*22 860	*22 860	*17 340	*17 340					*17 070	*17 070	9.1
	-6 m	kg					*21 180	*21 180	*15 700	*15 700									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.

Specifications

LIFTING CAPACITY EC750EHR

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.

	Lifting hook related to ground level	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		Max. reach		
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max. m
Boom 8.3 m Arm 4.2 m Shoe 750 mm Hyd. Removal CWT 12 816 kg	13.5 m	kg															*16 030 *16 030	5.7
	12 m	kg						*15 460 *15 460									*12 820 *12 820	8.0
	10.5 m	kg						*16 230 *16 230	*14 450 *14 450								*11 370 *11 370	9.5
	9 m	kg						*16 080 *16 080	*16 170 *16 170	*11 340 *11 340							*10 590 *10 590	10.6
	7.5 m	kg				*15 940 *15 940	*17 110 *17 110	*17 300 *17 300	*15 450 *15 450								*10 180 *10 180	11.3
	6 m	kg				*22 910 *22 910	*21 010 *21 010	*19 700 *19 700	*17 580 *17 580	15 940							*9 990 *9 990	11.9
	4.5 m	kg				*34 970 *34 970	*27 870 *27 870	27 010	*23 290 *23 290	19 970	19 270	15 360	*12 910 *12 910	12 010			*10 000 *10 000	12.2
	3 m	kg				*36 300 *36 300	35 670	*28 600 *28 600	25 130	*23 580 *23 580	18 880	18 610	14 720	14 870	11 720		*10 220 *10 220	12.4
	1.5 m	kg				*34 430 *34 430	33 290	*28 480 *28 480	23 630	22 930	17 950	18 020	14 160	14 600	11 460		*10 610 *10 610	12.3
	0 m	kg				*33 050 *33 050	32 120	*27 250 *27 250	22 670	22 230	17 290	17 600	13 760	*13 370 *13 370	11 320		*11 240 *11 240	12.1
	-1.5 m	kg			*17 550 *17 550	*29 750 *29 750	*24 810 *24 810	22 240	*20 450 *20 450	16 960	*16 460 *16 460	13 590					*12 190 *12 190	11.7
	-3 m	kg			*26 470 *26 470	*24 610 *24 610			*21 040 *21 040	*17 240 *17 240	16 980	*12 910 *12 910					*10 420 *10 420	11.0
	-4.5 m	kg						*15 580 *15 580	*12 110 *12 110									10.1
Boom 7.7 m Arm 4.2 m Shoe 650 mm Hyd. Removal CWT 12 816 kg	10.5 m	kg															*11 030 *11 030	8.3
	9 m	kg								*13 480 *13 480							*10 330 *10 330	9.5
	7.5 m	kg								*16 280 *16 280							*10 030 *10 030	10.4
	6 m	kg						*21 010 *21 010	*18 880 *18 880	*13 860 *13 860							*10 000 *10 000	11.0
	4.5 m	kg			*40 660 *40 660	*30 390 *30 390	*24 910 *24 910	*21 510 *21 510	21 310	*16 830 *16 830	16 180						*10 180 *10 180	11.3
	3 m	kg				*33 680 *33 680	*26 770 *26 770	*22 550 *22 550	20 150	19 400	15 520						*10 600 *10 600	11.5
	1.5 m	kg				*35 820 *35 820	*28 140 *28 140	25 300	*23 330 *23 330	19 050	18 720	14 860					*11 280 *11 280	11.5
	0 m	kg			*23 020 *23 020	*36 370 *36 370	33 900	*28 680 *28 680	23 950	23 120	18 170	18 160	14 330				*12 320 *12 320	11.2
	-1.5 m	kg	*17 320 *17 320	*30 250 *30 250	*35 370 *35 370	32 880	*28 190 *28 190	23 120	22 510	17 590	17 840	14 010					*13 900 *13 900	10.8
	-3 m	kg	*26 390 *26 390	*40 850 *40 850	*32 840 *32 840	32 580	*26 420 *26 420	22 790	*21 360 *21 360	17 380							*16 470 *16 470	10.1
	-4.5 m	kg	*37 440 *37 440	*35 150 *35 150	*28 460 *28 460	*22 860 *22 860	*17 340 *17 340										*17 070 *17 070	9.1
	-6 m	kg				*21 180 *21 180	*15 700 *15 700											7.6
Boom 8.3 m Arm 4.2 m Shoe 650 mm Hyd. Removal CWT 12 816 kg	13.5 m	kg															*16 030 *16 030	5.7
	12 m	kg						*15 460 *15 460									*12 820 *12 820	8.0
	10.5 m	kg						*16 230 *16 230	*14 450 *14 450								*11 370 *11 370	9.5
	9 m	kg						*16 080 *16 080	*16 170 *16 170	*11 340 *11 340							*10 590 *10 590	10.6
	7.5 m	kg				*15 940 *15 940	*17 110 *17 110	*17 300 *17 300	*15 450 *15 450								*10 180 *10 180	11.3
	6 m	kg				*22 910 *22 910	*21 010 *21 010	*19 700 *19 700	*17 580 *17 580	15 780							*9 990 *9 990	11.9
	4.5 m	kg				*34 970 *34 970	*27 870 *27 870	26 750	*23 290 *23 290	19 780	19 070	15 200	*12 910 *12 910	11 870			*10 000 *10 000	12.2
	3 m	kg				*36 300 *36 300	35 320	*28 600 *28 600	24 880	*23 580 *23 580	18 690	18 410	14 560	14 710	11 590		*10 220 *10 220	12.4
	1.5 m	kg				*34 430 *34 430	32 940	*28 480 *28 480	23 380	22 680	17 750	17 820	14 000	14 430	11 320		*10 610 *10 610	12.3
	0 m	kg				*33 050 *33 050	31 770	*27 250 *27 250	22 420	21 990	17 090	17 410	13 600	*13 370 *13 370	11 190		*11 240 *11 240	12.1
	-1.5 m	kg			*17 550 *17 550	*29 750 *29 750	*24 810 *24 810	21 990	*20 450 *20 450	16 760	*16 460 *16 460	13 440					*12 190 *12 190	11.7
	-3 m	kg			*26 470 *26 470	*24 610 *24 610		*21 040 *21 040	*17 240 *17 240	16 790	*12 910 *12 910						*10 420 *10 420	11.0
	-4.5 m	kg						*15 580 *15 580	*12 110 *12 110									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.

LIFTING CAPACITY EC750EHR

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.

With Boom extension	Lifting hook related to ground level	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		Max. reach		
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max. m
Bent & Bent boom 11.0 m Arm 4.2 m Shoe 900 mm Hyd. Removal CWT 16526 kg	10.5 m kg																			*9 980	*9 980	11.8
	9 m kg											*11 400	*11 400							*10 090	*10 090	12.7
	7.5 m kg									*12 920	*12 920	*11 740	*11 740							*10 360	*10 360	13.3
	6 m kg					*19 300	*19 300	*15 830	*15 830	*13 660	*13 660	*12 200	*12 200	*11 190	*11 190					*10 800	*10 800	13.8
	4.5 m kg					*21 300	*21 300	*17 030	*17 030	*14 440	*14 440	*12 710	*12 710	*11 500	*11 500					*11 150	10 860	14.1
	3 m kg					*22 800	*22 800	*18 080	*18 080	*15 170	*15 170	*13 200	*13 200	*11 810	11 220					*11 310	10 260	14.2
	1.5 m kg					*22 790	*22 790	*18 820	*18 820	*15 750	15 610	*13 620	12 900	*12 080	10 740					*11 530	9 910	14.2
	0 m kg					*23 540	23 380	*19 210	18 290	*16 120	14 870	*13 900	12 330	*12 240	10 340					*11 800	9 800	14.0
	-1.5 m kg			*15 930	*15 930	*23 210	23 070	*19 250	17 770	*16 250	14 370	*14 000	11 920	*12 240	10 050					*12 130	9 940	13.6
	-3 m kg	*16 630	*16 630	*23 840	*23 840	*22 570	*22 570	*18 940	17 520	*16 080	14 090	*13 840	11 690							*12 490	10 390	13.1
	-4.5 m kg	*24 320	*24 320	*25 330	*25 330	*21 550	*21 550	*18 250	17 520	*15 550	14 030	*13 300	11 660							*12 870	11 280	12.3
	-6 m kg	*26 900	*26 900	*23 450	*23 450	*20 050	*20 050	*17 080	*17 080	*14 520	14 220									*13 240	12 870	11.3
	-7.5 m kg	*23 730	*23 730	*20 730	*20 730	*17 840	*17 840	*15 170	*15 170											*13 480	*13 480	10.0
	-9 m kg			*16 740	*16 740	*14 390	*14 390													*13 250	*13 250	8.2
Bent & Straight boom 12.1 m Arm 4.2 m Shoe 900 mm Hyd. Removal CWT 16 526 kg	13.5 m kg																			*10 790	*10 790	11.5
	12 m kg											*11 940	*11 940							*10 320	*10 320	12.7
	10.5 m kg									*13 240	*13 240	*12 000	*12 000	*11 120	*11 120					*10 070	*10 070	13.7
	9 m kg							*15 670	*15 670	*13 670	*13 670	*12 230	*12 230	*11 160	*11 160					*9 980	*9 980	14.5
	7.5 m kg					*20 190	*20 190	*16 570	*16 570	*14 210	*14 210	*12 550	*12 550	*11 330	*11 330	*10 420	9 530			*10 020	9 430	15.1
	6 m kg							*17 510	*17 510	*14 800	*14 800	*12 920	*12 920	*11 530	11 350	*10 480	9 290			*10 170	8 670	15.5
	4.5 m kg							*18 320	*18 320	*15 330	*15 330	*13 260	13 040	*11 740	10 810	*10 560	8 970			*10 060	8 140	15.7
	3 m kg							*18 770	17 940	*15 700	14 810	*13 520	12 310	*11 890	10 300	*10 610	8 640			*9 960	7 790	15.9
	1.5 m kg							*18 790	17 040	*15 860	14 010	*13 650	11 700	*11 950	9 850	*10 580	8 340			*9 870	7 610	15.8
	0 m kg							*18 440	16 580	*15 760	13 490	*13 600	11 250	*11 880	9 510	*10 420	8 120			*9 790	7 600	15.7
	-1.5 m kg							*17 780	16 400	*15 380	13 200	*13 330	10 970	*11 610	9 300	*10 050	8 000			*9 680	7 760	15.3
	-3 m kg					*18 650	*18 650	*16 860	16 430	*14 730	13 110	*12 800	10 860	*11 090	9 220					*9 510	8 130	14.8
	-4.5 m kg			*17 130	*17 130	*17 230	*17 230	*15 620	*15 620	*13 750	13 200	*11 940	10 920	*10 180	9 320					*9 250	8 770	14.2
	-6 m kg			*15 610	*15 610	*15 340	*15 340	*13 990	*13 990	*12 350	*12 350	*10 610	*10 610							*8 790	*8 790	13.3
	-7.5 m kg					*12 850	*12 850	*11 790	*11 790	*10 320	*10 320	*8 400	*8 400							*8 000	*8 000	12.2
Straight & Bent boom 11.9 m Arm 4.2 m Shoe 900 mm Hyd. Removal CWT 16 526 kg	15 m kg																			*11 140	*11 140	8.9
	13.5 m kg									*11 360	*11 360									*10 440	*10 440	10.7
	12 m kg							*17 060	*17 060	*15 330	*15 330	*10 390	*10 390							*10 100	*10 100	12.0
	10.5 m kg							*18 120	*18 120	*15 790	*15 790	*14 020	*14 020							*9 980	*9 980	13.1
	9 m kg					*27 850	*27 850	*22 230	*22 230	*18 600	*18 600	*16 040	*16 040	*14 110	*14 110	*12 600	12 280			*10 020	*10 020	13.9
	7.5 m kg					*23 240	*23 240	*19 140	*19 140	*16 330	*16 330	*14 250	*14 250	*12 620	11 910					*10 200	*10 200	14.5
	6 m kg					*24 040	*24 040	*19 600	*19 600	*16 580	*16 580	*14 360	13 990	*12 630	11 410					*10 500	9 380	14.9
	4.5 m kg							*19 780	19 760	*16 690	16 060	*14 390	13 170	*12 580	10 880	*11 030	8 980			*10 830	8 750	15.2
	3 m kg							*19 520	18 250	*16 570	14 990	*14 270	12 420	*12 430	10 360	*10 810	8 660			*10 470	8 340	15.3
	1.5 m kg							*18 770	17 260	*16 170	14 170	*13 960	11 800	*12 110	9 910	*10 430	8 370			*10 100	8 110	15.3
	0 m kg							*17 640	16 720	*15 450	13 600	*13 400	11 330	*11 590	9 570	*9 830	8 150			*9 700	8 070	15.1
	-1.5 m kg					*16 580	*16 580	*16 200	*16 200	*14 410	13 280	*12 560	11 040	*10 800	9 350					*9 220	8 230	14.8
	-3 m kg					*14 750	*14 750	*14 450	*14 450	*13 020	*13 020	*11 380	10 920	*9 630	9 280					*8 610	*8 610	14.3
	-4.5 m kg					*12 430	*12 430	*12 320	*12 320	*11 220	*11 220	*9 750	*9 750	*7 890	*7 890					*7 770	*7 770	13.6
	-6 m kg							*9 710	*9 710	*8 890	*8 890	*7 460	*7 460							*6 550	*6 550	12.7

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.

Specifications

LIFTING CAPACITY EC750EHR

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.

With Boom extension	Lifting hook related to ground level	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		Max. reach									
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max. m							
Straight & Straight boom 12.7 m Arm 4.2 m Shoe 900 mm Hyd. Removal CWT 16 526 kg	18 m	kg																		*16 660	*16 660	6.1							
	16.5 m	kg						*16 850	*16 850	*13 590	*13 590									*13 390	*13 390	9.0							
	15 m	kg								*16 190	*16 190	*14 320	*14 320							*11 900	*11 900	11.0							
	13.5 m	kg								*15 550	*15 550	*16 160	*16 160	*16 060	*16 060	*13 820	*13 820			*11 040	*11 040	12.5							
	12 m	kg								*16 110	*16 110	*16 750	*16 750	*16 660	*16 660	*14 590	*14 590	*12 020	11 820			*10 520	*10 520	13.7					
	10.5 m	kg								*21 980	*21 980	*20 160	*20 160	*19 360	*19 360	*16 750	*16 750	*14 600	*14 600	*12 850	11 800			*10 200	9 800	14.6			
	9 m	kg																							*10 040	8 680	15.3		
	7.5 m	kg																								*9 980	7 880	15.9	
	6 m	kg																									*9 490	7 310	16.3
	4.5 m	kg																									*8 870	6 930	16.5
	3 m	kg																									*8 240	6 700	16.6
	1.5 m	kg																									*7 570	6 610	16.6
	0 m	kg																									*6 810	6 660	16.4
	-1.5 m	kg																									*5 930	*5 930	16.1
	-3 m	kg																									*4 870	*4 870	15.7
	-4.5 m	kg																									*3 530	*3 530	15.1
Bent & Bent boom 11.0 m Arm 4.2 m Shoe 750 mm Hyd. Removal CWT 16 526 kg	10.5 m	kg																									*9 980	*9 980	11.8
	9 m	kg																									*10 090	*10 090	12.7
	7.5 m	kg																									*10 360	*10 360	13.3
	6 m	kg																									*10 800	*10 800	13.8
	4.5 m	kg																									*11 150	10 700	14.1
	3 m	kg																									*11 310	10 100	14.2
	1.5 m	kg																									*11 530	9 740	14.2
	0 m	kg																									*11 800	9 630	14.0
	-1.5 m	kg																									*12 130	9 760	13.6
	-3 m	kg	*16 630	*16 630	*23 840	*23 840	*22 570	*22 570	*18 940	17 230	*16 080	13 850	*13 840	11 490													*12 490	10 210	13.1
	-4.5 m	kg	*24 320	*24 320	*25 330	*25 330	*21 550	*21 550	*18 250	17 230	*15 550	13 800	*13 300	11 460													*12 870	11 080	12.3
	-6 m	kg	*26 900	*26 900	*23 450	*23 450	*20 050	*20 050	*17 080	*17 080	*14 520	13 980															*13 240	12 650	11.3
	-7.5 m	kg	*23 730	*23 730	*20 730	*20 730	*17 840	*17 840	*15 170	*15 170																	*13 480	*13 480	10.0
-9 m	kg																									*13 250	*13 250	8.2	
Bent & Straight boom 12.1 m Arm 4.2 m Shoe 750 mm Hyd. Removal CWT 16 526 kg	13.5 m	kg																									*10 790	*10 790	11.5
	12 m	kg																									*10 320	*10 320	12.7
	10.5 m	kg																									*10 070	*10 070	13.7
	9 m	kg																									*9 980	*9 980	14.5
	7.5 m	kg																									*10 020	9 430	15.1
	6 m	kg																									*10 170	8 670	15.5
	4.5 m	kg																									*10 060	8 140	15.7
	3 m	kg																									*9 960	7 790	15.9
	1.5 m	kg																									*9 870	7 610	15.8
	0 m	kg																									*9 790	7 600	15.7
	-1.5 m	kg																									*9 680	7 760	15.3
	-3 m	kg																									*9 510	8 130	14.8
	-4.5 m	kg																									*9 250	8 770	14.2
	-6 m	kg																									*8 790	*8 790	13.3
	-7.5 m	kg													</														

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 EC750EHR

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.

With Boom extension	Lifting hook related to ground level	4.5m		6.0m		7.5m		9.0m		10.5m		12.0m		13.5m		15.0m		16.5m		Max. reach		
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max. m
Straight & Bent boom 11.9 m Arm 4.2 m Shoe 750 mm Hyd. Removal CWT 16 526 kg	15 m	kg																		*11 140	*11 140	8.9
	13.5 m	kg								*11 360	*11 360									*10 440	*10 440	10.7
	12 m	kg						*17 060	*17 060	*15 330	*15 330	*10 390	*10 390							*10 100	*10 100	12.0
	10.5 m	kg						*18 120	*18 120	*15 790	*15 790	*14 020	*14 020							*9 980	*9 980	13.1
	9 m	kg		*27 850	*27 850	*22 230	*22 230	*18 600	*18 600	*16 040	*16 040	*14 110	*14 110	*12 600	12 100					*10 020	*10 020	13.9
	7.5 m	kg				*23 240	*23 240	*19 140	*19 140	*16 330	*16 330	*14 250	*14 250	*12 620	11 730					*10 200	10 120	14.5
	6 m	kg				*24 040	*24 040	*19 600	*19 600	*16 580	*16 580	*14 360	13 790	*12 630	11 240					*10 500	9 230	14.9
	4.5 m	kg						*19 780	19 470	*16 690	15 820	*14 390	12 970	*12 580	10 700	*11 030	8 830			*10 830	8 600	15.2
	3 m	kg						*19 520	17 950	*16 570	14 750	*14 270	12 220	*12 430	10 190	*10 810	8 500			*10 470	8 180	15.3
	1.5 m	kg						*18 770	16 970	*16 170	13 930	*13 960	11 600	*12 110	9 740	*10 430	8 220			*10 100	7 960	15.3
	0 m	kg						*17 640	16 430	*15 450	13 360	*13 400	11 130	*11 590	9 390	*9 830	8 000			*9 700	7 920	15.1
	-1.5 m	kg				*16 580	*16 580	*16 200	*16 200	*14 410	13 050	*12 560	10 840	*10 800	9 180					*9 220	8 070	14.8
	-3 m	kg				*14 750	*14 750	*14 450	*14 450	*13 020	12 940	*11 380	10 720	*9 630	9 100					*8 610	8 460	14.3
	-4.5 m	kg				*12 430	*12 430	*12 320	*12 320	*11 220	*11 220	*9 750	*9 750	*7 890	*7 890					*7 770	*7 770	13.6
	-6 m	kg						*9 710	*9 710	*8 890	*8 890	*7 460	*7 460							*6 550	*6 550	12.7
Straight & Straight boom 12.7 m Arm 4.2 m Shoe 750 mm Hyd. Removal CWT 16 526 kg	18 m	kg																		*16 660	*16 660	6.1
	16.5 m	kg					*16 850	*16 850	*13 590	*13 590										*13 390	*13 390	9.0
	15 m	kg						*16 190	*16 190	*14 320	*14 320									*11 900	*11 900	11.0
	13.5 m	kg				*15 550	*15 550	*16 160	*16 160	*16 060	*16 060	*13 820	*13 820							*11 040	*11 040	12.5
	12 m	kg				*16 110	*16 110	*16 750	*16 750	*16 660	*16 660	*14 590	*14 590	*12 020	11 820					*10 520	*10 520	13.7
	10.5 m	kg		*21 980	*21 980	*20 160	*20 160	*19 360	*19 360	*16 750	*16 750	*14 600	*14 600	*12 850	11 800					*10 200	9 800	14.6
	9 m	kg				*24 070	*24 070	*19 850	*19 850	*16 870	*16 870	*14 610	14 290	*12 810	11 490	*11 220	9 190			*10 040	8 680	15.3
	7.5 m	kg						*20 030	*20 030	*16 920	16 800	*14 590	13 540	*12 730	11 030	*11 120	8 990			*9 980	7 880	15.9
	6 m	kg								*16 820	15 550	*14 460	12 730	*12 570	10 500	*10 940	8 690			*9 490	7 310	16.3
	4.5 m	kg								*16 460	14 410	*14 180	11 960	*12 300	9 980	*10 660	8 350	*8 910	6 960	*8 870	6 930	16.5
	3 m	kg								*15 760	13 500	*13 680	11 290	*11 870	9 510	*10 230	8 040	*8 460	6 800	*8 240	6 700	16.6
	1.5 m	kg								*14 710	12 890	*12 930	10 790	*11 240	9 130	*9 630	7 780	*7 760	6 680	*7 570	6 610	16.6
	0 m	kg								*13 330	12 560	*11 900	10 460	*10 360	8 870	*8 790	7 610			*6 810	6 660	16.4
	-1.5 m	kg						*11 710	*11 710	*11 670	*11 670	*10 580	10 310	*9 210	8 740	*7 650	7 540			*5 930	*5 930	16.1
	-3 m	kg						*9 460	*9 460	*9 710	*9 710	*8 930	*8 930	*7 710	*7 710	*6 070	*6 070			*4 870	*4 870	15.7
	-4.5 m	kg								*7 420	*7 420	*6 900	*6 900	*5 770	*5 770	*3 670	*3 670			*3 530	*3 530	15.1
Bent & Bent boom 11.0 m Arm 4.2 m Shoe 650 mm Hyd. Removal CWT 16 526 kg	10.5 m	kg																		*9 980	*9 980	11.8
	9 m	kg										*11 400	*11 400							*10 090	*10 090	12.7
	7.5 m	kg								*12 920	*12 920	*11 740	*11 740							*10 360	*10 360	13.3
	6 m	kg				*19 300	*19 300	*15 830	*15 830	*13 660	*13 660	*12 200	*12 200	*11 190	*11 190					*10 800	*10 800	13.8
	4.5 m	kg				*21 300	*21 300	*17 030	*17 030	*14 440	*14 440	*12 710	*12 710	*11 500	11 450					*11 150	10 580	14.1
	3 m	kg				*22 800	*22 800	*18 080	*18 080	*15 170	*15 170	*13 200	*13 200	*11 810	10 930					*11 310	9 990	14.2
	1.5 m	kg				*22 790	*22 790	*18 820	18 690	*15 750	15 210	*13 620	12 560	*12 080	10 450					*11 530	9 630	14.2
	0 m	kg				*23 540	22 750	*19 210	17 800	*16 120	14 470	*13 900	11 990	*12 240	10 040					*11 800	9 520	14.0
	-1.5 m	kg		*15 930	*15 930	*23 210	22 440	*19 250	17 280	*16 250	13 970	*14 000	11 590	*12 240	9 760					*12 130	9 650	13.6
	-3 m	kg	*16 630	*16 630	*23 840	*23 840	*22 570	22 380	*18 940	17 040	*16 080	13 690	*13 840	11 360						*12 490	10 090	13.1
	-4.5 m	kg	*24 320	*24 320	*25 330	*25 330	*21 550	*21 550	*18 250	17 040	*15 550	13 640	*13 300	11 330						*12 870	10 950	12.3
	-6 m	kg	*26 900	*26 900	*23 450	*23 450	*20 050	*20 050	*17 080	*17 080	*14 520	13 820								*13 240	12 500	11.3
	-7.5 m	kg	*23 730	*23 730	*20 730	*20 730	*17 840	*17 840	*15 170	*15 170										*13 480	*13 480	10.0
	-9 m	kg			*16 740	*16 740	*14 390	*14 390												*13 250	*13 250	8.2

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.

Specifications

LIFTING CAPACITY EC750EHR

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.

With Boom extension	Lifting hook related to ground level	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m		Max. reach		
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max. m
Bent & Straight boom 12.1 m Arm 4.2 m Shoe 650 mm Hyd. Removal CWT 16 526 kg	13.5 m kg																			*10 790	*10 790	11.5
	12 m kg											*11 940	*11 940							*10 320	*10 320	12.7
	10.5 m kg									*13 240	*13 240	*12 000	*12 000	*11 120	*11 120					*10 070	*10 070	13.7
	9 m kg							*15 670	*15 670	*13 670	*13 670	*12 230	*12 230	*11 160	*11 160					*9 980	*9 980	14.5
	7.5 m kg					*20 190	*20 190	*16 570	*16 570	*14 210	*14 210	*12 550	*12 550	*11 330	*11 330	*10 420	9 430			*10 020	9 320	15.1
	6 m kg							*17 510	*17 510	*14 800	*14 800	*12 920	*12 920	*11 530	11 230	*10 480	9 190			*10 170	8 570	15.5
	4.5 m kg							*18 320	*18 320	*15 330	*15 330	*13 260	12 910	*11 740	10 690	*10 560	8 860			*10 060	8 040	15.7
	3 m kg							*18 770	17 750	*15 700	14 650	*13 520	12 170	*11 890	10 180	*10 610	8 530			*9 960	7 690	15.9
	1.5 m kg							*18 790	16 840	*15 860	13 860	*13 650	11 560	*11 950	9 740	*10 580	8 240			9 830	7 520	15.8
	0 m kg							*18 440	16 380	*15 760	13 330	*13 600	11 120	*11 880	9 400	*10 420	8 020			*9 790	7 500	15.7
	-1.5 m kg							*17 780	16 210	*15 380	13 040	*13 330	10 840	*11 610	9 180	*10 050	7 900			*9 680	7 660	15.3
	-3 m kg					*18 650	*18 650	*16 860	16 240	*14 730	12 950	*12 800	10 720	*11 090	9 110					*9 510	8 030	14.8
	-4.5 m kg			*17 130	*17 130	*17 230	*17 230	*15 620	*15 620	*13 750	13 040	*11 940	10 780	*10 180	9 200					*9 250	8 660	14.2
	-6 m kg			*15 610	*15 610	*15 340	*15 340	*13 990	*13 990	*12 350	*12 350	*10 610	*10 610							*8 790	*8 790	13.3
	-7.5 m kg					*12 850	*12 850	*11 790	*11 790	*10 320	*10 320	*8 400	*8 400							*8 000	*8 000	12.2
Straight & Bent boom 11.9 m Arm 4.2 m Shoe 650 mm Hyd. Removal CWT 16 526 kg	15 m kg																			*11 140	*11 140	8.9
	13.5 m kg									*11 360	*11 360									*10 440	*10 440	10.7
	12 m kg							*17 060	*17 060	*15 330	*15 330	*10 390	*10 390							*10 100	*10 100	12.0
	10.5 m kg							*18 120	*18 120	*15 790	*15 790	*14 020	*14 020							*9 980	*9 980	13.1
	9 m kg			*27 850	*27 850	*22 230	*22 230	*18 600	*18 600	*16 040	*16 040	*14 110	*14 110	*12 600	11 990					*10 020	*10 020	13.9
	7.5 m kg					*23 240	*23 240	*19 140	*19 140	*16 330	*16 330	*14 250	*14 250	*12 620	11 620					*10 200	10 010	14.5
	6 m kg					*24 040	*24 040	*19 600	*19 600	*16 580	*16 580	*14 360	13 650	*12 630	11 120					*10 500	9 120	14.9
	4.5 m kg							*19 780	19 270	*16 690	15 660	*14 390	12 840	*12 580	10 590	*11 030	8 720			*10 830	8 500	15.2
	3 m kg							*19 520	17 760	*16 570	14 590	*14 270	12 090	*12 430	10 070	*10 810	8 400			*10 470	8 080	15.3
	1.5 m kg							*18 770	16 770	*16 170	13 770	*13 960	11 460	*12 110	9 620	*10 430	8 110			*10 100	7 860	15.3
	0 m kg							*17 640	16 230	*15 450	13 200	*13 400	11 000	*11 590	9 280	*9 830	7 900			*9 700	7 810	15.1
	-1.5 m kg					*16 580	*16 580	*16 200	16 010	*14 410	12 890	*12 560	10 700	*10 800	9 060					*9 220	7 960	14.8
	-3 m kg					*14 750	*14 750	*14 450	*14 450	*13 020	12 780	*11 380	10 580	*9 630	8 990					*8 610	8 350	14.3
	-4.5 m kg					*12 430	*12 430	*12 320	*12 320	*11 220	*11 220	*9 750	*9 750	*7 890	*7 890					*7 770	*7 770	13.6
	-6 m kg							*9 710	*9 710	*8 890	*8 890	*7 460	*7 460							*6 550	*6 550	12.7
Straight & Straight boom 12.7 m Arm 4.2 m Shoe 650 mm Hyd. Removal CWT 16 526 kg	18 m kg																			*16 660	*16 660	6.1
	16.5 m kg					*16 850	*16 850	*13 590	*13 590											*13 390	*13 390	9.0
	15 m kg							*16 190	*16 190	*14 320	*14 320									*11 900	*11 900	11.0
	13.5 m kg					*15 550	*15 550	*16 160	*16 160	*16 060	*16 060	*13 820	*13 820							*11 040	*11 040	12.5
	12 m kg					*16 110	*16 110	*16 750	*16 750	*16 660	*16 660	*14 590	*14 590	*12 020	11 710					*10 520	*10 520	13.7
	10.5 m kg			*21 980	*21 980	*20 160	*20 160	*19 360	*19 360	*16 750	*16 750	*14 600	*14 600	*12 850	11 690					*10 200	9 690	14.6
	9 m kg					*24 070	*24 070	*19 850	*19 850	*16 870	*16 870	*14 610	14 160	*12 810	11 370	*11 220	9 090			*10 040	8 580	15.3
	7.5 m kg							*20 030	*20 030	*16 920	16 640	*14 590	13 400	*12 730	10 910	*11 120	8 890			*9 980	7 780	15.9
	6 m kg									*16 820	15 390	*14 460	12 600	*12 570	10 390	*10 940	8 580			9 450	7 220	16.3
	4.5 m kg									*16 460	14 250	*14 180	11 820	*12 300	9 860	*10 660	8 250	*8 910	6 860	*8 870	6 840	16.5
	3 m kg									*15 760	13 340	*13 680	11 160	*11 870	9 390	*10 230	7 940	*8 460	6 710	*8 240	6 610	16.6
	1.5 m kg									*14 710	12 730	*12 930	10 660	*11 240	9 010	*9 630	7 680	*7 760	6 590	*7 570	6 520	16.6
	0 m kg									*13 330	12 400	*11 900	10 330	*10 360	8 750	*8 790	7 510			*6 810	6 570	16.4
	-1.5 m kg							*11 710	*11 710	*11 670	*11 670	*10 580	10 170	*9 210	8 620	*7 650	7 440			*5 930	*5 930	16.1
	-3 m kg							*9 460	*9 460	*9 710	*9 710	*8 930	*8 930	*7 710	*7 710	*6 070	*6 070			*4 870	*4 870	15.7
	-4.5 m kg									*7 420	*7 420	*6 900	*6 900	*5 770	*5 770	*3 670	*3 670			*3 530	*3 530	15.1

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.

Equipment

STANDARD EQUIPMENT EC380EHR, EC480EHR, EC750EHR

Engine

Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets Tier4f/EU Stage IV requirements.

Air intake heater

Fuel filter and water separator

Fuel filler pump: 50 l/min, with automatic shut-off

Alternator, 80 A

Precleaner, Cyclone

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 two LCD color monitors

Master electrical disconnect switch

Engine restart prevention circuit

High-capacity halogen lights(Optional selection to LED):

Frame-mounted 2

Boom-mounted 4

Batteries, 2 x 12 V / 200 Ah

Start motor, 24 V / 7 kW

CareTrack

Engine emergency stop switch

Overload Warning (TMI & Slew limitation)

Front camera for demolition

Rear view camera on counterweight

Cleaning air gun

Dust suppression system

Hydraulic system

Hose rupture valve for UHR:

boom cylinder and arm

Hydraulic piping:

Hammer & shear:

Two pump flow

Slope & rotator

Oil leak (drain) line

Quick fit piping

Additional return filter

Overload warning device

Automatic sensing hydraulic system

Summation system

Boom priority

Arm priority

Swing 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

Full height counterweight: 7 250 kg (EC380EHR)

Full height counterweight: 9 750 kg (EC480EHR)

Full height counterweight: 11 200 kg (EC750EHR)

Additional counterweight for high reach: 2 750 kg (EC380EHR)

Additional counterweight for high reach: 3 350 kg (EC480EHR manual CWT)

Additional counterweight for high reach: 3 500 kg (EC480EHR hyd removable CWT)

Additional counterweight for high reach: 4 186 kg (EC750EHR hyd removable CWT)

HD undercover plate (8 mm)

HD double thickness side doors with micro mesh

Access way with handrail

Punched metal anti-slip plates

Tool storage area

Undercarriage

Fixed undercarriage

Retractable undercarriage (EC750EHR)

Swing ring guard

HD Undercover plate (10 mm)

Hydraulic track adjusters

Greased and sealed track link

Standard track guards

Foot support bar

STANDARD EQUIPMENT EC380EHR, EC480EHR, EC750EHR

Tilting cab, and interior

Tilting cab

Seat, mech. susp w/ heater, w/o X-Isolator

Control Joystick with 3 switch & 1 prop. control

Air-conditioner climate control

Silicon oil and rubber mounts with spring

Adjustable operator seat and joystick control console

AM/FM stereo with CD Player and MP3 input with bluetooth

Flexible antenna

Hydraulic safety lock lever

Cab, all-weather sound suppressed, includes:

Cup holder

Door locks

Tinted glass

Floor mat

Horn

Large storage area

Seat belt, 3 inch retractable

Safety glass(front and side)

LEXAN glass(roof)

Sun shields, front, roof, rear

Windshield wipers with intermittent feature(front and roof)

Master key

Frame mounted Falling object guard (FOG)

OPTIONAL EQUIPMENT EC380EHR, EC480EHR, EC750EHR

Engine

Block heater: 120 V, 240 V

Oil bath pre-cleaner

Diesel coolant heater ,10kW

Water separator with heater

Reversible cooling fan

Electric

Extra lights(halogen or LED):

Cab mounted x2 (front) x1 (rear)

Counterweight mounted x1

Travel alarm

Anti-theft system

Rotating warning beacon

Side view camera

Hydraulic system

Hose rupture valve for digging boom : Arm

Hydraulic piping:

Work tool management system (Up to 20 programmable memories)

Grapple for digging boom

Quick fit piping for digging boom

Volvo hydraulic quick fit, (SQF S3,VQC-HU,DR38) for digging boom (EC380EHR)

Volvo hydraulic quick fit, (SQF S3,VQC-HU,DR48) for digging boom (EC480EHR)

Straight travel pedal

Hydraulic oil, ISO VG 32, 68

Hydraulic oil, biodegradable 46

Hydraulic oil, longlife oil 32, 46, 68

Boom cylinder guard

Bucket cylinder guard

Superstructure

Side Impact Protection System

Side walk-way for tilting cab

Cab and interior

Seat, Mech. susp w/o heater, w/o X-Isolator

Seat, Air susp w/ heater, w/ X-Isolator

Pilot control pattern change

Smoker kit (ashtray & lighter)

Safety net for front window

Lower wiper with intermittent control

Specific key

Undercarriage

Hydraulically retractable undercarriage

Mechanically retractable undercarriage (EC480EHR)

Full track guards

Track shoes

600/700/800/900 mm triple grouser shoes

600 mm double grouser shoes

650/750/900 mm double grouser shoes (EC750EHR)

Digging equipment

Digging boom Straight 6,8 m / Bent 6,5 m (EC380EHR)

Arm: 3.2 m / 3.9 m (EC380EHR)

Digging boom Straight 7.5 m / Bent 7.0 m (EC480EHR)

Arm: 3.35 m / 3.9 m (EC480EHR)

Digging boom Straight 8.3 m / Bent 7.7 m (EC750EHR)

Arm: 4.2 m (EC750EHR)

Boom extension 3.0 m (EC380EHR)

Boom extension 3.41m (EC480EHR)

Boom extension 4.39 m (EC750EHR)

Manual centralized lubrication

High reach

Boom HR-3 piece: 23 m (EC380EHR)

Boom HR-3 piece: 28 m (EC480EHR)

Boom HR-3 piece: 26 m (EC750EHR)

Boom HR-3 piece: 36 m (EC750EHR)

Additional front camera for demolition(left hand side)

Service

Spare parts

Tool kit, full scale

Tool kit, daily maintenance

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 Construction Equipment

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