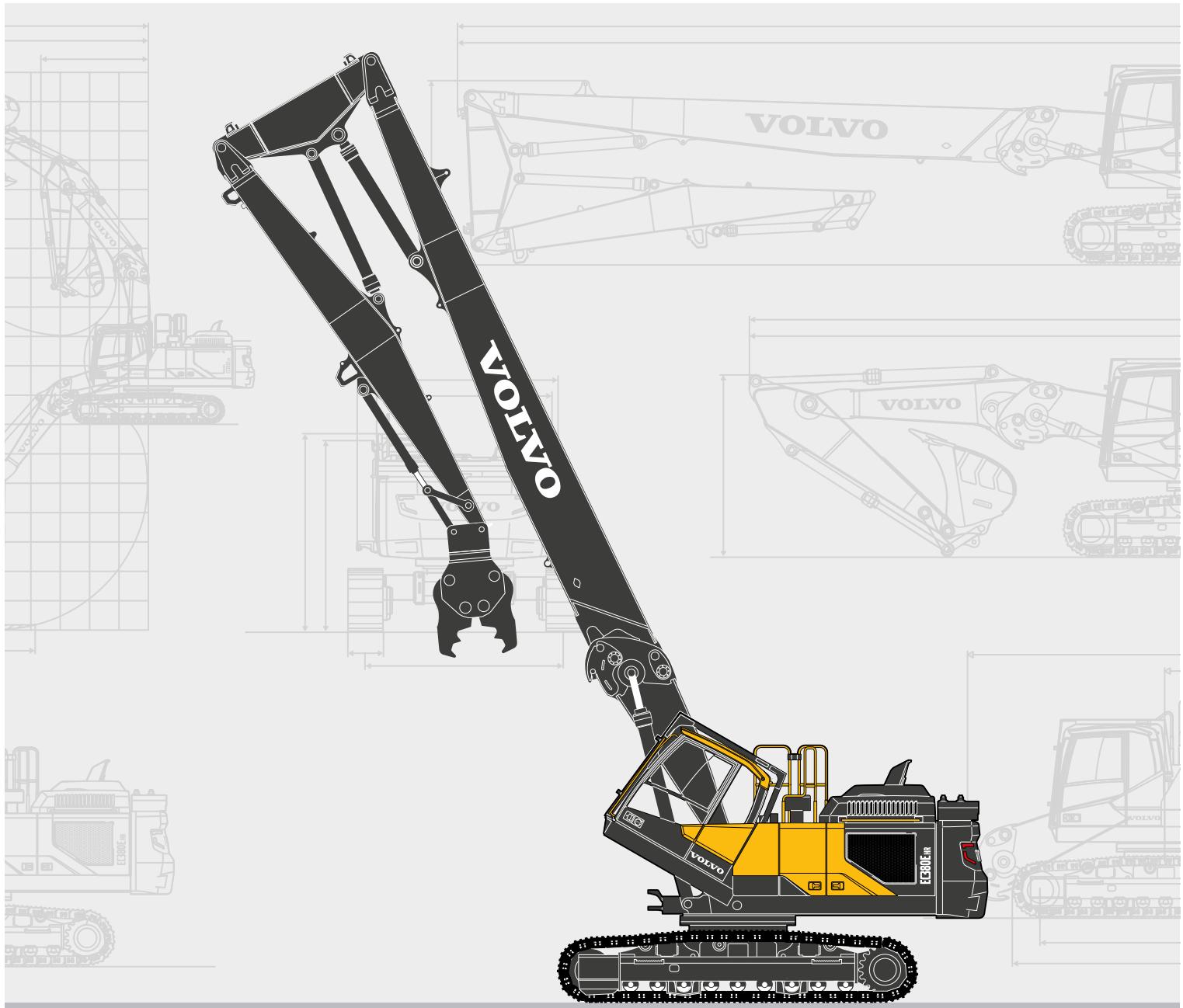




Volvo Construction Equipment
Building Tomorrow

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

Volvo Excavators



Volvo EC380EHR, E480EHR, EC750EHR in detail

Engine

The latest generation, Volvo engine Tier 4f 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, high-pressure 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	Volvo	D13J
Max power at	r/s / r/min	28 / 1,700
Net, ISO 9 249/SAE J1 349	kW (hp)	229 (307)
Gross, ISO 14 396/SAE J1 995	kW (hp)	230 (308)
Max torque at	Nm (lbf ft) / r/min	1,692 (1,248) / 1,275
No. of cylinders		6
Displacement	l (in³)	12.8 (781)
Bore	mm (in)	131 (5.16)
Stroke	mm (in)	158 (6.22)

EC480EHR

Engine Tier 4f	Volvo	D13J
Max power at	r/s / r/min	30 / 1,800
Net, ISO 9 249/SAE J1 349	kW (hp)	283 (380)
Gross, ISO 14 396/SAE J1 995	kW (hp)	284 (381)
Max torque at	Nm (lbf ft) / r/min	1,928 (1,422) / 1,350
No. of cylinders		6
Displacement	l (in³)	12.8 (781)
Bore	mm (in)	131 (5.16)
Stroke	mm (in)	158 (6.22)

EC750EHR

Engine Tier 4f	Volvo	D16J
Max power at	r/s / r/min	30 / 1,800
Net, ISO 9 249/SAE J1 349	kW (hp)	392 (526)
Gross, ISO 14 396/SAE J1 995	kW (hp)	393 (527)
Max torque at	Nm (lbf ft) / r/min	2,570 (1,896) / 1,350
No. of cylinders		6
Displacement	l (in³)	16.1 (982)
Bore	mm (in)	144 (5.67)
Stroke	mm (in)	165 (6.5)

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
Batteries	V	2 x 12	2 x 12
Battery capacity	Ah	200	200
Alternator	V / Ah	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
Max. slew torque	kNm (lbf ft)	130.5 (96,252)	166.3 (122,656)

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 (lb)	276.5 (62,160)	333 (74,861)
Max. travel speed (1st Gear/2nd Gear)	km/h (mi/h)	3.4/5.3 (2.1/3.3)	3.2/5.2 (2.0/3.2)
Gradeability	°	35	35

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 (in)	215.9 (8.5)	215.9 (8.5)
Shoe width, triple grouser	mm (in)	600/700/ 800/900 (24/28/32 /36)	600/700/ 800/900 (24/28/32 /36)
Shoe width, double grouser	mm (in)	600 (24)	600 (24)
Bottom rollers		2 x 9	2 x 9
Top rollers		2 x 2(2 x 3*)	2 x 2(2 x 3*)

* Retractable undercarriage

		EC380EHR	EC480EHR	EC750EHR
Fuel tank	l (gal)	620 (163.8)	680 (179.6)	800 (211.3)
AdBlue/DEF tank	l (gal)	62.5 (16.5)	62.5 (16.5)	80 (21.1)
Hydraulic system, total	l (gal)	500 (132.1)	525 (138.7)	655 (173.0)
Hydraulic tank	l (gal)	225 (59.4)	270 (71.3)	350 (92.5)
Engine oil	l (gal)	42 (11.1)	42 (11.1)	52 (13.7)
Engine coolant	l (gal)	60 (15.9)	60 (15.9)	66 (17.4)
Slew reduction unit	l (gal)	6.5 (1.7)	2 x 6 (2 x 1.6)	2 x 6.8 (2 x 1.8)
Travel reduction unit	l (gal)	2 x 6.8 (2 x 1.8)	2 x 7.5 (2 x 2)	2 x 13.5 (2 x 3.6)

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 pressure level in cab according to ISO 6 396				
L _{pA}	dB	71	71	72
External sound level according to ISO 6 395 and EU Noise Directive 2000/14/EC				
L _{WA}	dB	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
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Main pump, Type 2 x variable displacement axial piston pumps

Maximum flow	l/min (gal/min)	2 x 300 (2 x 79.3)	2 x 376 (2 x 99.3)	2 x 450 (2 x 119)
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Pilot pump, Type Gear pump

Maximum flow	l/min (gal/min)	32.6 (8.6)	32 (8.5)	34.5 (9.1)
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Hydraulic motors

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

EC380EHR	EC480EHR	EC750EHR
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Relief valve setting

Implement	Mpa (psi)	32.4/35.3 (4,699/5,120)	32.4/35.3 (4,699/5,120)	33.8/35.8 (4,902/5,192)
Travel circuit	Mpa (psi)	35.3 (5,120)	32.4 (4,699)	33.8 (4,902)
Slew circuit	Mpa (psi)	27.9 (4,047)	25.8 (3,742)	26.5 (3,843)
Pilot circuit	Mpa (psi)	3.9 (566)	3.9 (566)	3.9 (566)

Base boom cylinder

	Qty	Bore	Stroke
		ø mm (in)	mm (in)
EC380EHR Base boom cylinder	2	165 (6.5)	1,530 (60.2)
EC480EHR Base boom cylinder	2	180 (7.1)	1,590 (62.6)
EC750EHR Base boom cylinder	2	230 (9.1)	1,697 (66.8)

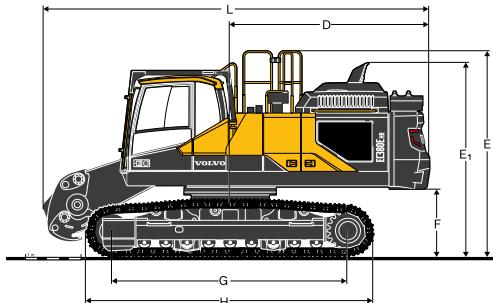
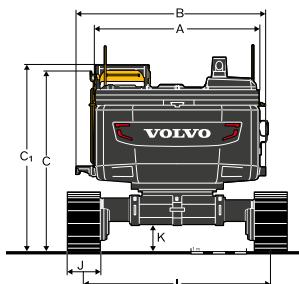
Specifications

MACHINE WEIGHTS

EC380EHR	600 mm (24") shoe			600 mm (24") shoe		
	Fixed undercarriage			Hydraulically retracted		
At Demolition Equipment						
Base machine	kg	lb	36,540	80,557	40,740	89,816
3-piece demolition equipment (incl cradle)	kg	lb	7,510	16,557	7,510	16,557
Additional CWT	kg	lb	2,750	6,063	2,750	6,063
Total weight	kg	lb	46,800	103,176	51,000	112,436
At Digging Equipment						
Base machine	kg	lb	36,540	80,557	40,740	89,816
Digging equipment with 3.35m (11') arm (incl cradle)	kg	lb	5,180	11,420	5,180	11,420
Boom extension (incl cradle)	kg	lb	NO	3,850	8,488	
Total weight without boom extension	kg	lb	41,720	91,977	45,920	101,236
Total weight with boom extension	kg	lb	NO	49,770	109,724	
EC480EHR (Hydraulically removable counterweight)			600 mm (24") shoe	600 mm (24") shoe		
			Mech. retracted undercarriage	Hydr. retracted undercarriage		
At Demolition Equipment						
Base machine	kg	lb	45,485	100,277	50,265	110,815
3-piece demolition equipment (incl cradle)	kg	lb	9,755	21,506	9,755	21,506
Additional CWT	kg	lb	3,500	7,716	3,500	7,716
Total weight	kg	lb	58,740	129,499	63,520	140,037
At Digging Equipment						
Base machine	kg	lb	45,685	100,718	50,265	110,815
Digging equipment with 3.35m (11') arm (incl cradle)	kg	lb	6,350	13,999	6,350	13,999
Boom extension (incl cradle)	kg	lb	NO	3,845	8,477	
Total weight without boom extension	kg	lb	51,835	114,276	56,615	124,815
Total weight with boom extension	kg	lb	NO	60,460	133,291	
EC750EHR (Hydraulically removable counterweight)			750 mm (30") shoe			
			Hydr. retracted undercarriage			
At Demolition Equipment						
Base machine (with undercarriage)	kg	lb	79,342		174,919	
Undercarriage (2)	kg	lb	39,248		86,527	
3-piece demolition equipment (incl cradle)	kg	lb	19,500		42,990	
Additional CWT	kg	lb	4,186		9,229	
Total weight	kg	lb	103,028		227,138	
At Digging Equipment						
Base machine (with undercarriage)	kg	lb	79,342		174,919	
Undercarriage (2)	kg	lb	39,248		86,527	
Digging equipment with 3.35m (11') arm (incl cradle)	kg	lb	10,880		23,986	
Boom extension (incl cradle)	kg	lb	6,780		14,947	
Total weight without boom extension	kg	lb	89,460		197,225	
Additional CWT	kg	lb	4,186		9,229	
Total weight with boom extension	kg	lb	101,188		223,081	

GROUND PRESSURE								
Description	Shoe width		Operating weight		Ground pressure		Overall width	
	mm	in	kg	lb	kPa	psi	mm	ft in
EC380EHR								
23 m (75.5 ft) high reach boom, fixed undercarriage, 2,500 kg (5,512 lb) tool weight, 10,000 kg (22,046 lb) counterweight								
Triple grouser	600	24	48,615	107,178	86.7	12.6	3 980	13'1"
	700	28	49,055	108,148	75	10.9	4 080	13'5"
	800	32	49,505	109,140	66.2	9.6	4 180	13'9"
	900	36	49,955	110,132	59.4	8.6	4 280	14'1"
Triple grouser (HD)	600	24	49,065	108,170	87.5	12.7	3 980	13'1"
Double grouser	600	24	48,895	107,795	87.2	12.6	3 980	13'1"
EC380EHR								
23 m (75.5 ft) high reach boom, hydraulically retractable undercarriage, 3,000 kg (6,614 lb) tool weight, 10,000 kg (22,046 lb) counterweight								
Triple grouser	600	24	53,310	117,528	95.1	13.8	3 980	13'1"
	700	28	53,750	118,498	82.2	11.9	4 080	13'5"
	800	32	54,200	119,490	71.7	10.4	4 180	13'9"
	900	36	54,650	120,482	65	9.4	4 280	14'1"
Triple grouser (HD)	600	24	53,760	118,520	95.9	13.9	3 980	13'1"
Double grouser	600	24	53,590	118,146	95.6	13.9	3 980	13'1"
EC480EHR								
28 m (91.9 ft) high reach boom; mech. retractable undercarriage, 3,000 kg (6,614 lb) tool weight, 13,000 kg (28,660 lb) counterweight								
Triple grouser	600	24	61,305	135,154	105.5	15.3	3,490	11'5"
	700	28	61,805	136,257	91.2	13.2	3,590	11'9"
	800	32	62,310	137,370	80.4	11.7	3,690	12'1"
	900	36	62,810	138,472	72.1	10.5	3,790	12'5"
Double grouser	600	24	61,355	135,264	105.6	15.3	3,490	11'5"
EC480EHR								
28 m (91.9 ft) high reach boom; hydraulically retractable undercarriage, 3,500 kg (7,716 lb) tool weight, 13,000 kg (28,660 lb) counterweight								
Triple grouser	600	24	66,585	146,795	114.4	16.6	3,980	13'1"
	700	28	67,085	147,897	98.8	14.3	4,080	13'5"
	800	32	67,590	149,010	87.1	12.6	4,180	13'9"
	900	36	68,090	150,113	78	11.3	4,280	14'1"
Double grouser	600	24	66,635	146,905	114.5	16.6	3,980	13'1"
EC750EHR								
36 m (118.1 ft) high reach boom; hydraulically retractable undercarriage, 3,600 kg (7,940 lb) tool weight, 15,000 kg (33,069 lb) counterweight								
Double grouser	650	26	103,267	227,664	136.3	19.8	3,795	12'5"
	750	30	104,029	229,344	119	17.3	3,800	12'6"
	900	36	105,172	231,864	100.3	14.5	3,950	13'0"
EC750EHR								
26 m (85.3 ft) high reach boom; hydraulically retractable undercarriage, 5,000 kg (11,023 lb) tool weight, 15,000 kg (33,069 lb) counterweight								
Double grouser	650	26	100,183	220,865	132.3	19.2	3,795	12'5"
	750	30	100,945	222,545	115.5	16.8	3,800	12'6"
	900	36	102,088	225,065	97.3	14.1	3,950	13'0"
EC750EHR								
Digging boom; hydraulically retractable undercarriage, digging boom with extension, 9 100 kg (20,062 lb) tool weight, 15,000 kg (33,069 lb) counterweight								
Double grouser	650	26	107,678	237,389	142.2	20.6	3,795	12'5"
	750	30	108,440	239,069	124.1	18.0	3,800	12'6"
	900	36	109,583	241,589	104.5	15.2	3,950	13'0"
EC750EHR								
Digging boom; hydraulically retractable undercarriage, 4.2 m (13.8 ft) digging arm, 7,260 kg (16,006 lb) tool weight, 11,200 kg (24,692 lb) counterweight, without additional counterweight								
Double grouser	650	26	95,875	211,368	126.6	18.4	3,795	12'5"
	750	30	96,637	213,048	110.6	16.0	3,800	12'6"
	900	36	97,780	215,568	93.2	13.5	3,950	13'0"

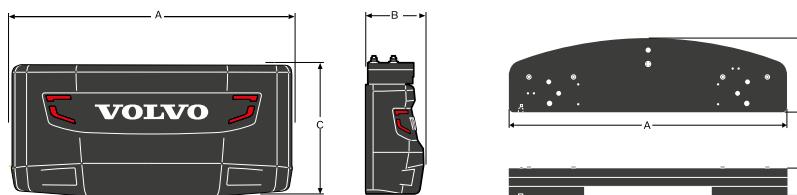
Specifications



DIMENSIONS

Description	EC380EHR						EC750EHR					
	Unit		Undercarriage fixed		Undercarriage hydraulically retractable		Undercarriage mechanically retractable		Undercarriage hydraulically retractable		Undercarriage hydraulically retractable	
A Width superstructure	mm	ft in	2,990	9'10"	2,990	9'10"	2,990	9'10"	2,990	9'10"	3,420	11'3"
B Overall width with SIPS(both side) & Cab entrance step(Left side)	mm	ft in	3,415	11'2"	3,415	11'2"	3,415	11'2"	3,415	11'2"	3,904	12'10"
Overall width without SIPS(both side) & Cab entrance step(Left side)	mm	ft in	2,990	9'10"	2,990	9'10"	2,990	9'10"	2,990	9'10"	3,736	12'3"
C Overall height	mm	ft in	3,235	10'7"	3,265	10'9"	3,390	11'1"	3,390	11'1"	3,484	11'5"
C1 Overall height (incl. FOG)	mm	ft in	3,330	10'11"	3,360	11'0"	3,500	11'6"	3,500	11'6"	3,562	11'8"
D Tail swing radius	mm	ft in	3,600	11'10"	3,600	11'10"	3,880	12'9"	3,880	12'9"	4,238	13'11"
E Overall height of Handrail	mm	ft in	3,690	12'1"	3,720	12'2"	3,845	12'7"	3,845	12'7"	3,941	12'11"
E Overall height of Diffuser	mm	ft in	3,470	11'5"	3,500	11'6"	3,625	11'11"	3,625	11'11"	3,790	12'5"
F Minimum Counterweight clearance *	mm	ft in	1,220	4'0"	1,220	4'0"	1,360	4'6"	1,360	4'6"	1,480	4'10"
G Tumbler length	mm	ft in	4,240	13'11"	4,240	13'11"	4,370	14'4"	4,370	14'4"	5,280	17'4"
H Track length	mm	ft in	5,180	17'0"	5,210	17'1"	5,370	17'7"	5,370	17'7"	6,518	21'5"
I Track gauge (extended)	mm	ft in	2,740	9'0"	3,380	11'1"	2,890	9'6"	3,380	11'1"	4,300	14'1"
Track gauge (retracted)	mm	ft in	-	-	2,390	7'10"	2,390	7'10"	2,390	7'10"	3,050	10'0"
J Shoe width	mm	ft in	600	2'0'	600	1'12"	600	2'0"	600	2'0"	750	2'6"
K Min. ground clearance *	mm	ft in	500	1'8"	480	1'7"	710	2'4"	485	1'7"	563	1'10"
L Overall length	mm	ft in	7,065	23'2"	7,065	23'2"	7,535	24'9"	7,535	24'9"	8,728	28'8"

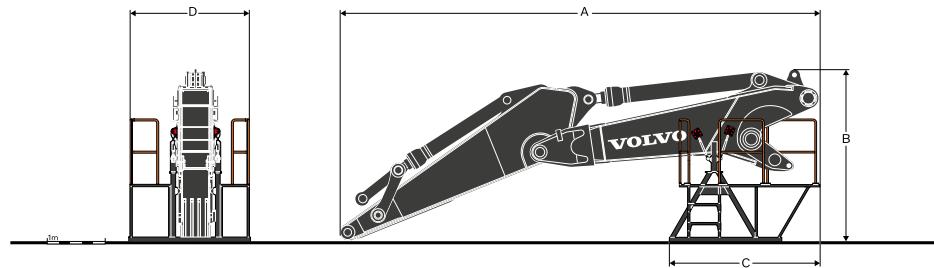
* With shoe grouser



DIMENSIONS OF THE COUNTERWEIGHT

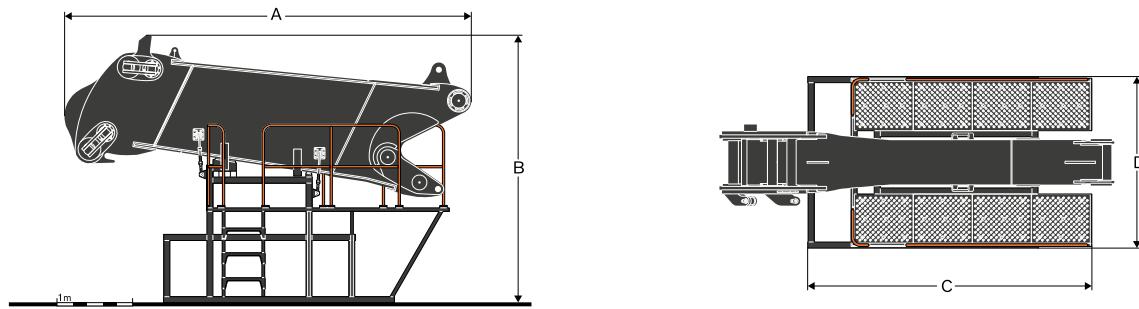
Description	Unit		EC380EHR				EC480EHR				EC750EHR			
			standard		additional cwt		standard		additional cwt w/ hyd removable		standard		additional cwt w/ hyd removable	
A Width counterweight	mm	ft in	2,974	9'9"	2,950	9'8"	2,990	9'10"	2,950	9'8"	3,406	11'2"	3,240	10'8"
B Thickness counterweight	mm	ft in	734	2'5"	590	1'11"	920	3'0"	590	1'11"	808	2'8"	658	2'2"
C Height counterweight	mm	ft in	1,395	4'7"	270	0'11"	1,140	3'9"	360	1'2"	1,747	5'9"	360	1'2"
Total weight counterweight	kg	lb	7,250	15,983	2,750	6,063	9,750	21,495	3,500	7,716	11,200	24,692	4,186	9,229

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.



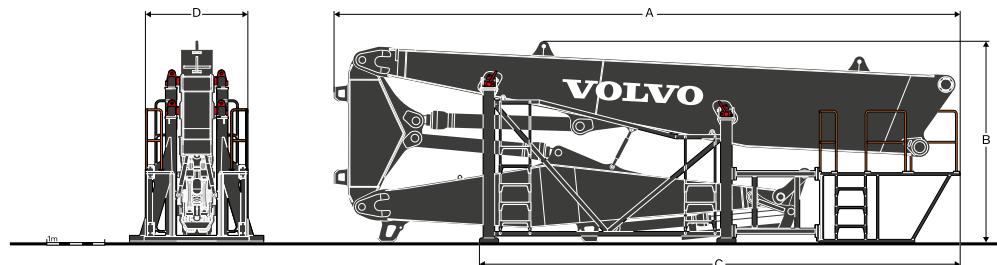
DIMENSIONS OF DIGGING EQUIPMENT

Description	Unit		EC380EHR				EC480EHR				EC750EHR	
	mm	ft in	3.2 m (10'6")	3.9 m (12'10")	3.35 m (11'0")	3.9 m (12'10")	4.2 m (13'9")					
A Length - mounting to arm end	mm	ft in	6,865	22'6"	7,600	24'11"	8,775	28'9"	8,785	28'10"	8,870	29'1"
B Overall height	mm	ft in	2,320	7'7"	2,340	7'8"	2,500	8'2"	2,480	8'2"	2,904	9'6"
C Length of support cradle	mm	ft in	1,185	3'11"	1,185	3'11"	2,565	8'5"	2,571	8'5"	2,571	8'5"
D Width of support cradle	mm	ft in	1,630	5'4"	1,630	5'4"	2,080	6'10"	2,080	6'10"	2,580	8'6"
Weight of digging boom with transport cradle	kg	lb	5,180	11,420	5,320	11,729	6,350	13,999	6,483	14,300	11,150	24,590
Weight without cradle	kg	lb	4,958	10,931	5,098	11,239	5,822	12,835	5,955	13,129	10,035	22,123



DIMENSIONS OF DIGGING BOOM EXTENSION

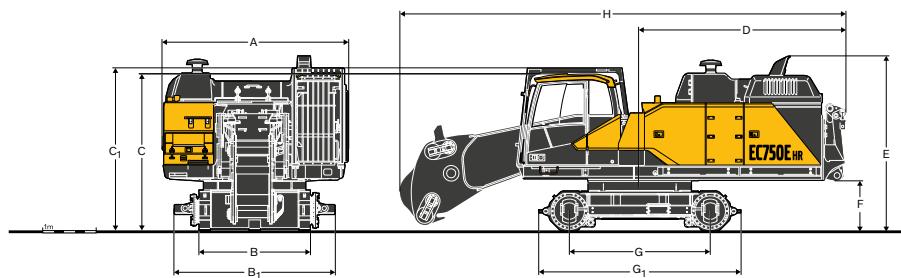
Description	Unit		EC380EHR		EC480EHR		EC750EHR	
	mm	ft in	3,730	12'3"	4,465	14'8"	5,383	17'8"
A Overall length	mm	ft in	2,645	8'8"	2,500	8'2"	3,584	11'9"
B Overall height	mm	ft in	2,690	8'10"	4,740	15'7"	3,776	12'5"
C Length of support cradle	mm	ft in	2,180	7'2"	2,180	7'2"	2,580	8'6"
D Width of support cradle	kg	lb	3,869	8,530	3,845	8,477	6,867	15,140
Weight, including support cradle	kg	lb	3,260	7,187	3,143	6,929	5,777	12,736
Weight without cradle	kg	lb						



DIMENSIONS OF 3-PIECE DEMOLITION BOOM IN SUPPORT CRADLE

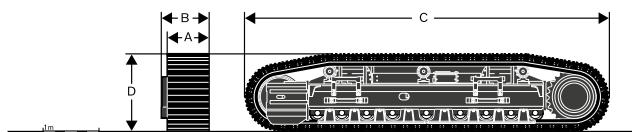
Description	Unit		EC380EHR		EC480EHR		EC750EHR		
	mm	ft in	10,075	33'1"	13,380	43'11"	26m (85'4")	36m (118'1")	
A Overall length	mm	ft in	3,012	9'11"	3,050	10'0"	3,569	11'9"	3,597
B Overall height	mm	ft in	2,565	8'5"	2,585	8'6"	8,510	27'11"	13,838
C Length of support cradle	mm	ft in	2,080	6'10"	2,040	6'8"	2,416	7'11"	2,416
D Width of support cradle	kg	lb	7,510	16,557	9,755	21,506	14,240	31,394	19,500
Weight of working equipment without attachment, including support cradle	kg	lb	7,288	16,067	9,227	20,342	12,417	27,375	16,901
Weight without cradle	kg	lb							37,260

Specifications



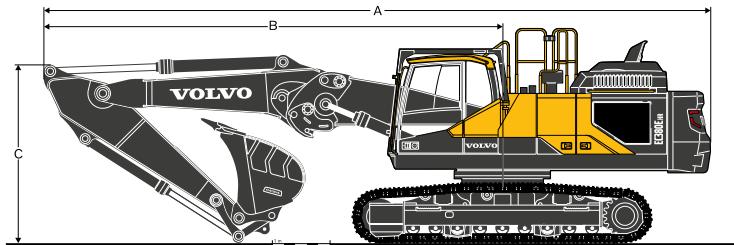
DIMENSION OF BASE MACHINE, TRANSPORTATION MODE

Description	Unit		EC750EHR	
			Hydraulically retractable Undercarriage	
A. Overall width with Handrail on FOG	mm	ft in	3,498	11'6"
B. Width lower frame center	mm	ft in	2,095	6'10"
B1. Overall width lower frame center	mm	ft in	3,044	9'12"
C. Overall height	mm	ft in	2,971	9'9"
C1. Overall height (incl. FOG)	mm	ft in	3,050	10'0"
D. Swing radius center to CWT linkage	mm	ft in	3,867	12'8"
E. Overall height of Diffuser	mm	ft in	3,277	10'9"
F. Minimum upper frame clearance	mm	ft in	921	3'0"
G. Length lower frame center	mm	ft in	2,859	9'5"
G. Overall length lower frame center	mm	ft in	3,781	12'5"
H. Overall length	mm	ft in	8,353	27'5"
Base machine weight	kg	lb	42,441	93,566



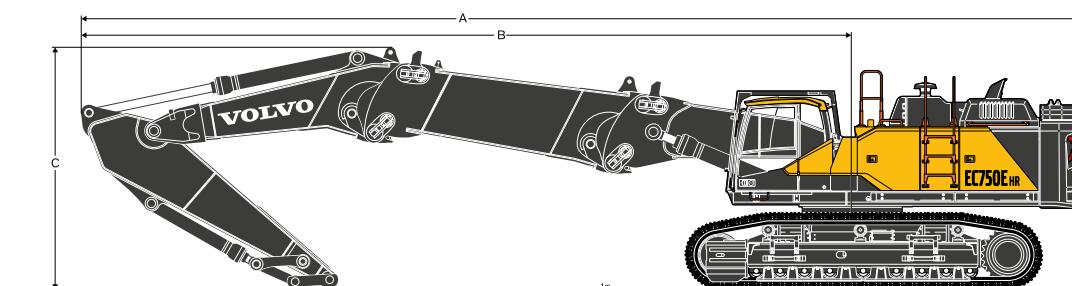
DIMENSION OF BASE MACHINE, TRACK FRAME

Description	Unit		EC750EHR	
			Hydraulically retractable Undercarriage	
A. Width track	mm	ft in	750	2'6"
B. Overall width track and frame	mm	ft in	855	2'10"
C. Length	mm	ft in	6,518	21'5"
D. Height	mm	ft in	1,406	4'7"
Total weight	kg	lb	19,624	43,263



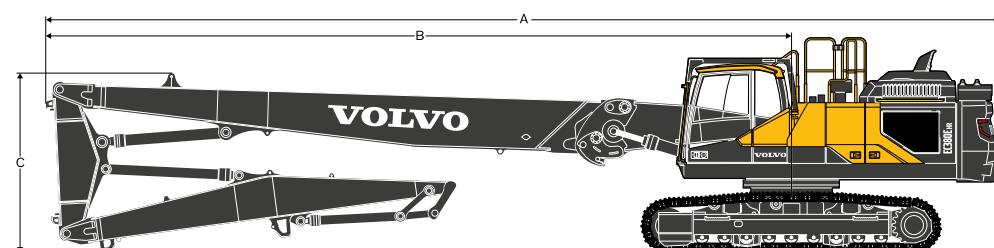
DIMENSIONS WITH DIGGING EQUIPMENT (POSITION FOR TRANSPORT)

Boom	Unit	EC380EHR				EC480EHR				EC750EHR	
		Straight boom				Straight boom				Straight boom	
		3.2 m (10'6")	3.9 m (12'10")	3.35 m (11'0")	3.9 m (12'10")	4.2 m (13'9")					
A Overall length	mm ft in	11,555	37'11"	11,420	37'6"	12,735	41'9"	12,720	41'9"	13,899	45'7"
B Swing centre to front of equipment	mm ft in	7,955	26'1"	7,820	25'8"	8,855	29'1"	8,835	29'0"	9,660	31'8"
C Maximum height of boom in transport position	mm ft in	3,085	10'1"	3,960	13'0"	3,510	11'6"	3,670	12'0"	4,243	13'11"
Operating weight, excluding bucket	kg lb	45,525	100,365	45,665	100,674	56,330	124,186	56,420	124,385	89,377	197,042



DIMENSIONS WITH DIGGING BOOM EXTENSION

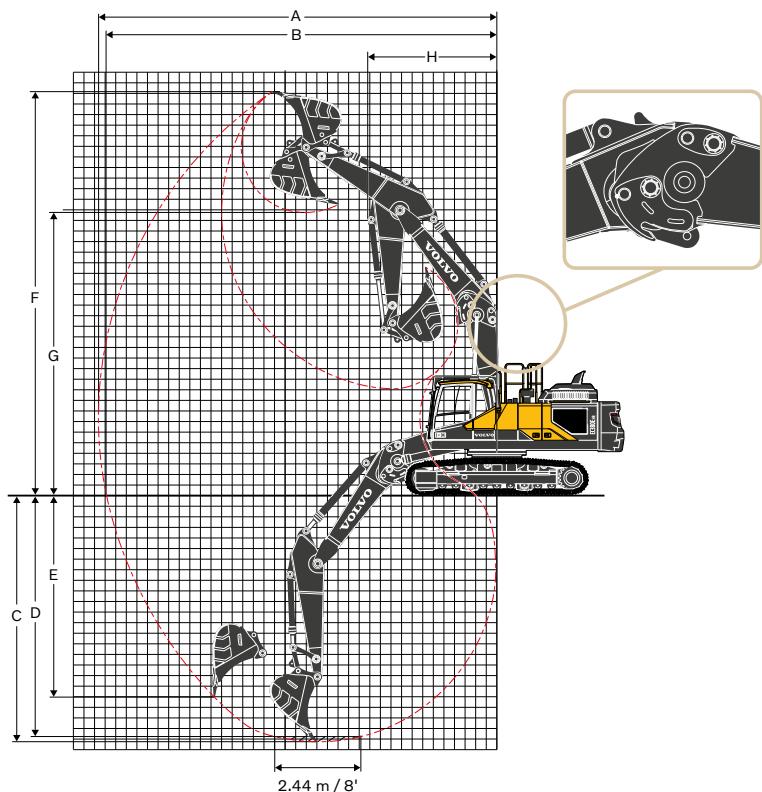
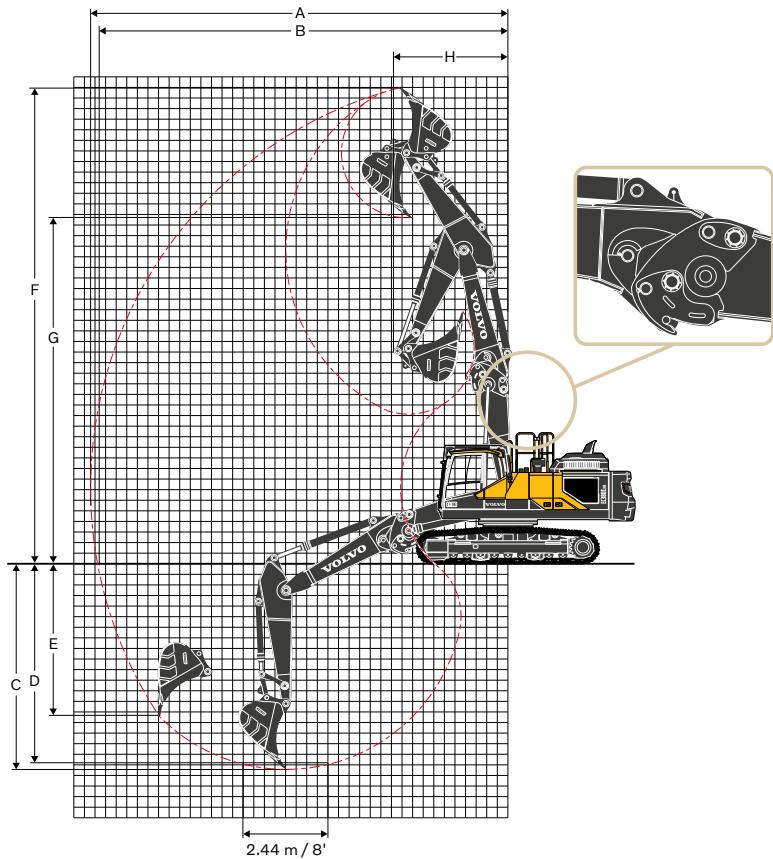
Boom	Unit	EC380EHR				EC480EHR				EC750EHR	
		Straight & Straight Boom				Straight Boom				Straight Boom	
		3.2 m (10'6")	3.9 m (12'10")	3.35 m (11'0")	3.9 m (12'10")	4.2 m (13'9")					
A Overall length	mm ft in	14,580	47'10"	14,520	47'8"	16,075	52'9"	16,070	52'9"	183,11	60'1"
B Swing centre to front of equipment	mm ft in	10,980	36'0"	10,920	35'10"	12,190	40'0"	12,190	40'0"	14,072	46'2"
C Maximum height of boom in transport position	mm ft in	3,300	10'10"	3,720	12'2"	3,755	12'4"	3,840	12'7"	4,418	14'6"
Operating weight, excluding tool , cradle	kg lb	48,500	106,924	48,640	107,233	59,875	132,002	59,945	132,156	99,340	219,007



DIMENSIONS WITH 3-PIECE DEMOLITION ATTACHMENT

	Unit	EC380EHR			EC480EHR			EC750EHR		
		26m (85'4")		36m (118'1")						
A Overall length	mm ft in	16,515	54'2"		20,045	65'9"	18,939	62'2"	25,156	82'6"
B Swing centre to front of equipment	mm ft in	12,915	42'4"		16,165	53'0"	14,701	48'3"	20,918	68'8"
C Maximum height of boom in transport position	mm ft in	3,110	10'2"		3,095	10'2"	3,621	11'11"	3,489	11'5"
Operating weight, excluding crusher	kg lb	50,310	110,914		63,085	139,078	95,945	211,522	100,429	221,408

Specifications



WORKING RANGES WITH STRAIGHT BOOM

		EC380EHR				EC480EHR				EC750EHR	
Boom		Straight boom				Straight boom				Straight boom	
Arm		3.2 m (10'6")		3.9 m (12'10")		3.35 m (11'0")		3.9 m (12'10")		4.2 m (13'9")	
Bucket tip radius	mm ft in	1,846	6'1"	1,846	6'1"	1,960	6'5"	1,960	6'5"	2,190	7'2"
A Maximum digging reach	mm ft in	11,825	38'10"	12,500	41'0"	12,815	42'1"	13,330	43'9"	14,567	47'10"
B Maximum digging reach on ground	mm ft in	11,625	38'2"	12,310	40'5"	12,590	41'4"	13,115	43'0"	14,339	47'1"
C Maximum digging depth	mm ft in	5,800	19'0"	6,500	21'4"	6,470	21'3"	7,020	23'0"	6,861	22'6"
D Maximum digging depth (2.4 m level)	mm ft in	5,650	18'6"	6,370	20'11"	6,325	20'9"	6,890	22'7"	6,744	22'2"
E Maximum vertical wall digging depth	mm ft in	4,300	14'1"	4,815	15'10"	5,060	16'7"	5,520	18'1"	4,684	15'4"
F Maximum cutting height	mm ft in	13,495	44'3"	14,090	46'3"	13,905	45'7"	14,275	46'10"	15,810	51'10"
G Maximum dumping height	mm ft in	9,810	32'2"	10,410	34'2"	10,030	32'11"	10,410	34'2"	11,465	37'7"
H Minimum front swing radius	mm ft in	3,250	10'8"	3,580	11'9"	3,970	13'0"	3,940	12'11"	4,906	16'1"

DIGGING FORCES WITH STRAIGHT BOOM

		EC380EHR				EC480EHR				EC750EHR	
Boom		Straight boom				Straight boom				Straight boom	
Arm		3.2 m (10'6")		3.9 m (12'10")		3.35 m (11'0")		3.9 m (12'10")		4.2 m (13'9")	
Bucket tip radius	mm ft in	1,846	6'1"	1,846	6'1"	1,960	6'5"	1,960	6'5"	2,190	7'2"
Breakout force-bucket (Normal/Power boost) ISO	kN lbf	201/219	45,187/ 49,233	201/219	45,187/ 49,233	243/265	54,629/ 59,574	243/265	54,629/ 59,574	304/317	68,342/ 71,264
Tearout force-arm (Normal / Power boost) ISO	kN lbf	162/177	36,419/ 39,791	142/155	31,923/ 34,845	198/216	44,512/ 48,559	177/193	39,791/ 43,388	255/266	57,326/ 59,799
Rotation angle, bucket	°		178		178		183		183		173.4

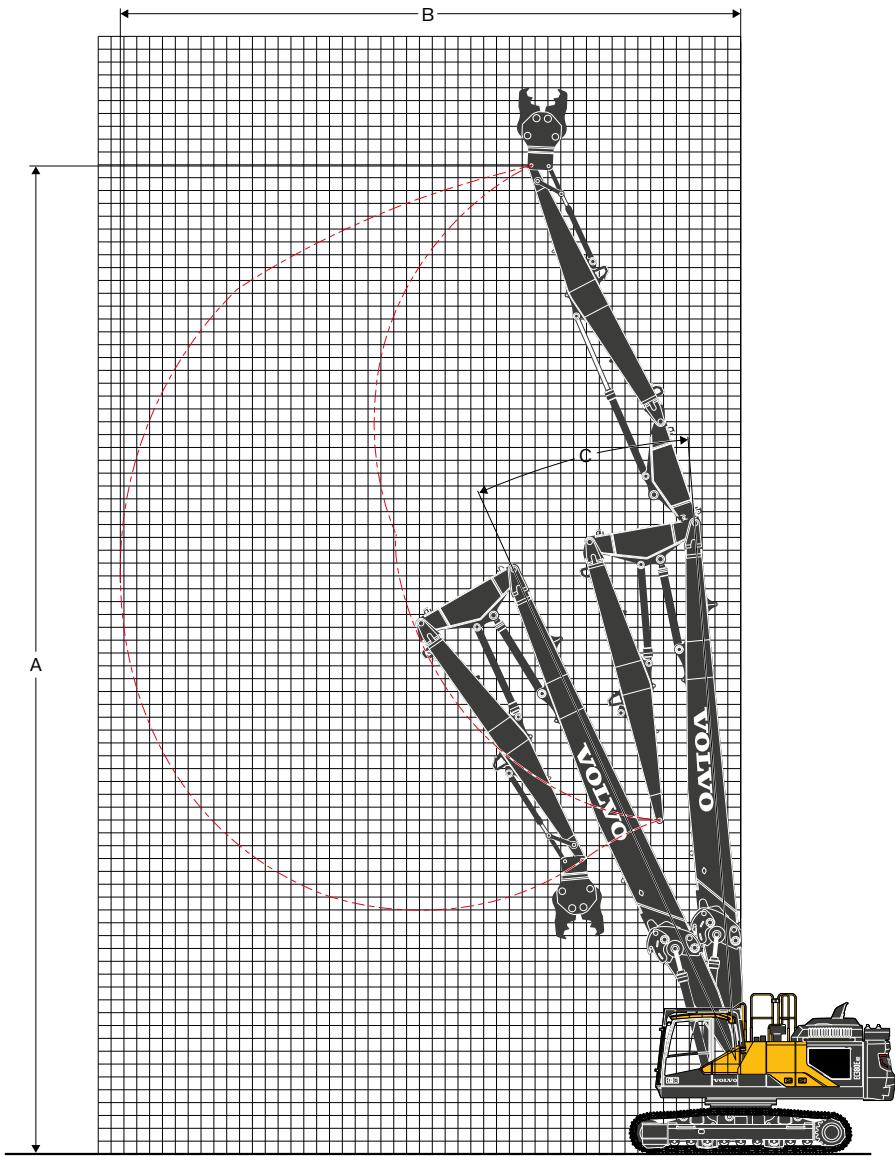
WORKING RANGES WITH BENT BOOM

		EC380EHR				EC480EHR				EC750EHR	
Boom		Bent boom				Bent boom				Bent boom	
Arm		3.2 m (10'6")		3.9 m (12'10")		3.35 m (11'0")		3.9 m (12'10")		4.2 m (13'9")	
Bucket tip radius	mm ft in	1,846	6'1"	1,846	6'1"	1,960	6'5"	1,960	6'5"	2,190	7'2"
A Maximum digging reach	mm ft in	11,285	37'0"	11,935	39'2"	12,095	39'8"	12,585	41'3"	13,697	44'11"
B Maximum digging reach on ground	mm ft in	11,075	36'4"	11,735	38'6"	11,855	38'11"	12,355	40'6"	13,452	44'2"
C Maximum digging depth	mm ft in	7,010	23'0"	7,710	25'4"	7,730	25'4"	8,280	27'2"	8,324	27'4"
D Maximum digging depth (2.4 m level)	mm ft in	6,860	22'6"	7,575	24'10"	7,585	24'11"	8,150	26'9"	8,207	26'11"
E Maximum vertical wall digging depth	mm ft in	5,740	18'10"	6,340	20'10"	5,530	18'2"	5,865	19'3"	7,257	23'10"
F Maximum cutting height	mm ft in	11,420	37'6"	11,790	38'8"	10,990	36'1"	11,135	36'6"	12,520	41'1"
G Maximum dumping height	mm ft in	7,995	26'3"	8,375	27'6"	7,490	24'7"	7,655	25'1"	8,558	28'1"
H Minimum front swing radius	mm ft in	3,660	12'0"	3,710	12'2"	5,065	16'7"	4,935	16'2"	5,354	17'7"

DIGGING FORCES WITH BENT BOOM

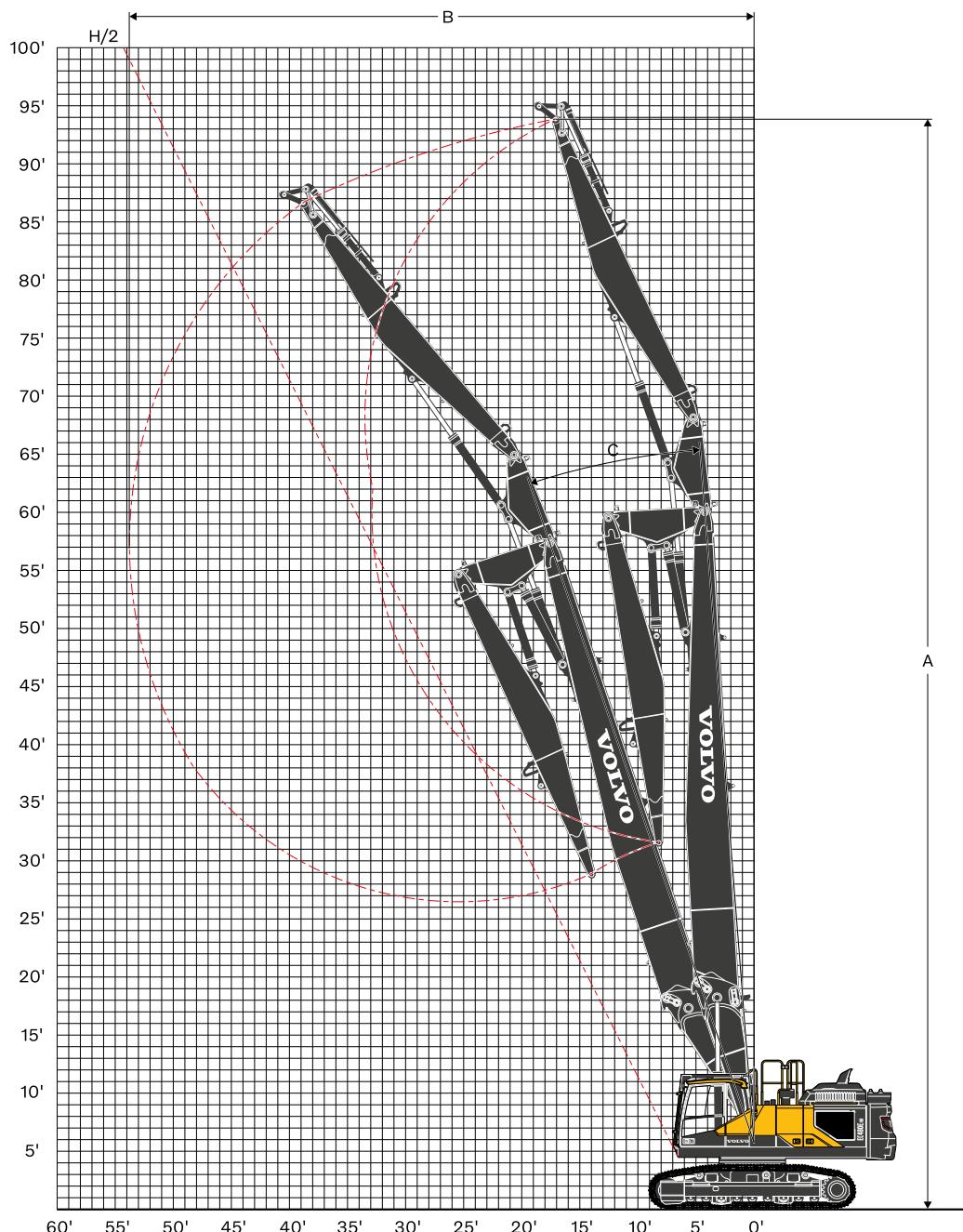
		EC380EHR				EC480EHR				EC750EHR	
Boom		Bent boom				Bent boom				Bent boom	
Arm		3.2 m (10'6")		3.9 m (12'10")		3.35 m (11'0")		3.9 m (12'10")		4.2 m (13'9")	
Bucket tip radius	mm ft in	1,846	6'1"	1,846	6'1"	1,960	6'5"	1,960	6'5"	2,190	7'2"
Breakout force-bucket (Normal/Power boost) ISO	kN lbf	201/219	45,187/ 49,233	201/219	45,187/ 49,233	243/265	54,629/ 59,574	243/265	54,629/ 59,574	304/317	68,342/ 71,264
Tearout force-arm (Normal / Power boost) ISO	kN lbf	162/177	36,419/ 39,791	142/155	31,923/ 34,845	198/216	44,512/ 48,559	177/193	39,791/ 43,388	255/266	57,326/ 59,799
Rotation angle, bucket	°		178		178		183		183		173.4

Specifications



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

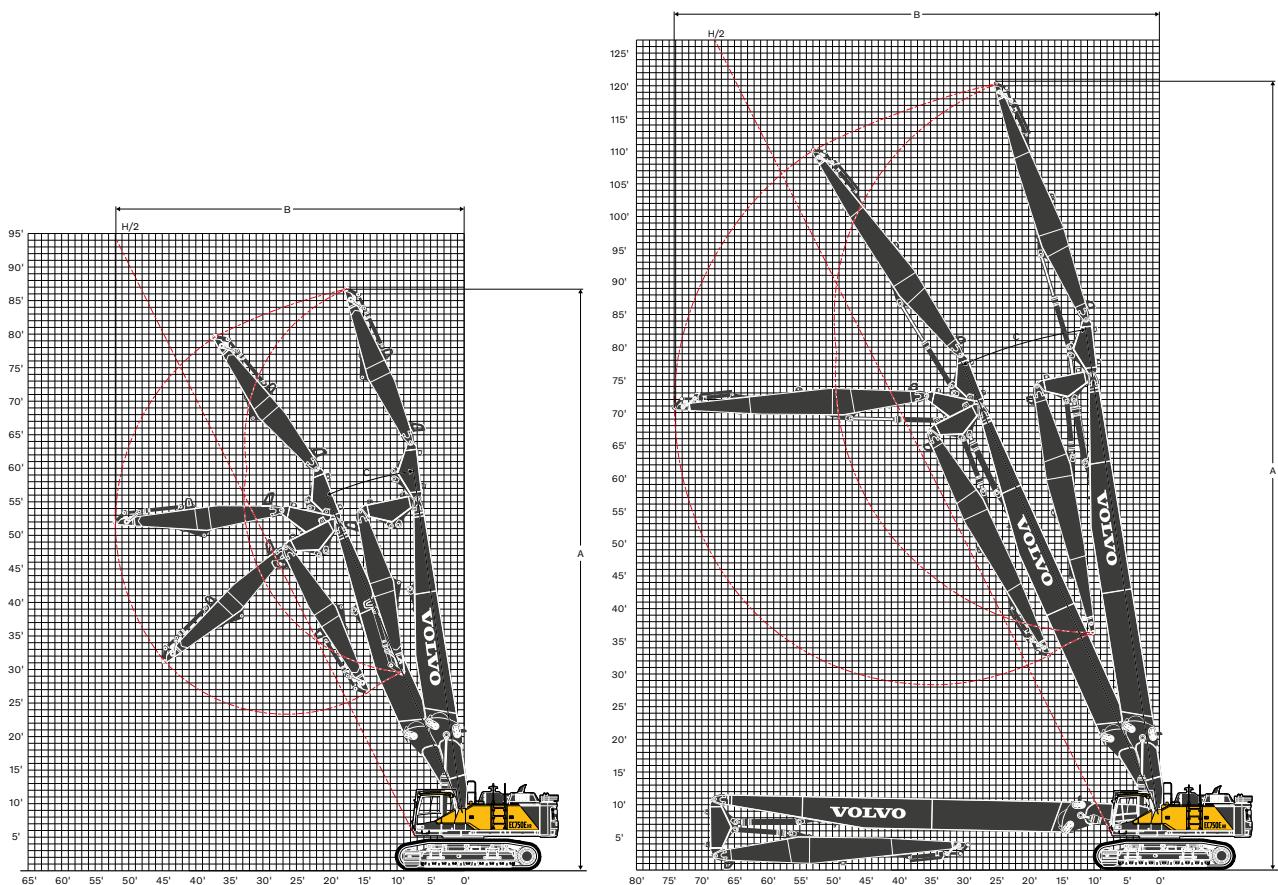
Description	Unit	EC380EHR				
		Undercarriage, fixed		Undercarriage hydraulically retractable		
A Maximum pin height	mm ft in	23,025	75'6"	23,060	75'8"	
Pin height H/2		20,354	66'9"	20,389	66'11"	
B Maximum pin reach	mm ft in	14,490	47'6"	14,490	47'6"	
Pin reach H/2		11,390	37'4"	11,390	37'4"	
Maximum tool weight	t lb	2.5	5,512	3	6,614	
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 ft in	28,030	92'0"	28,140	92'4"	28,140	92'4"
Pin height H/2		24,188	79'4"	24,298	79'9"	24,298	79'9"
B Maximum pin reach	mm ft in	16,090	52'9"	16,090	52'9"	16,090	52'9"
Pin reach H/2		13,419	44'0"	13,419	44'0"	13,419	44'0"
Maximum tool weight	t lb	3	6,614	3	6,614	3.5	7,716
C Operating angle	°	18.8		18.8		18.8	

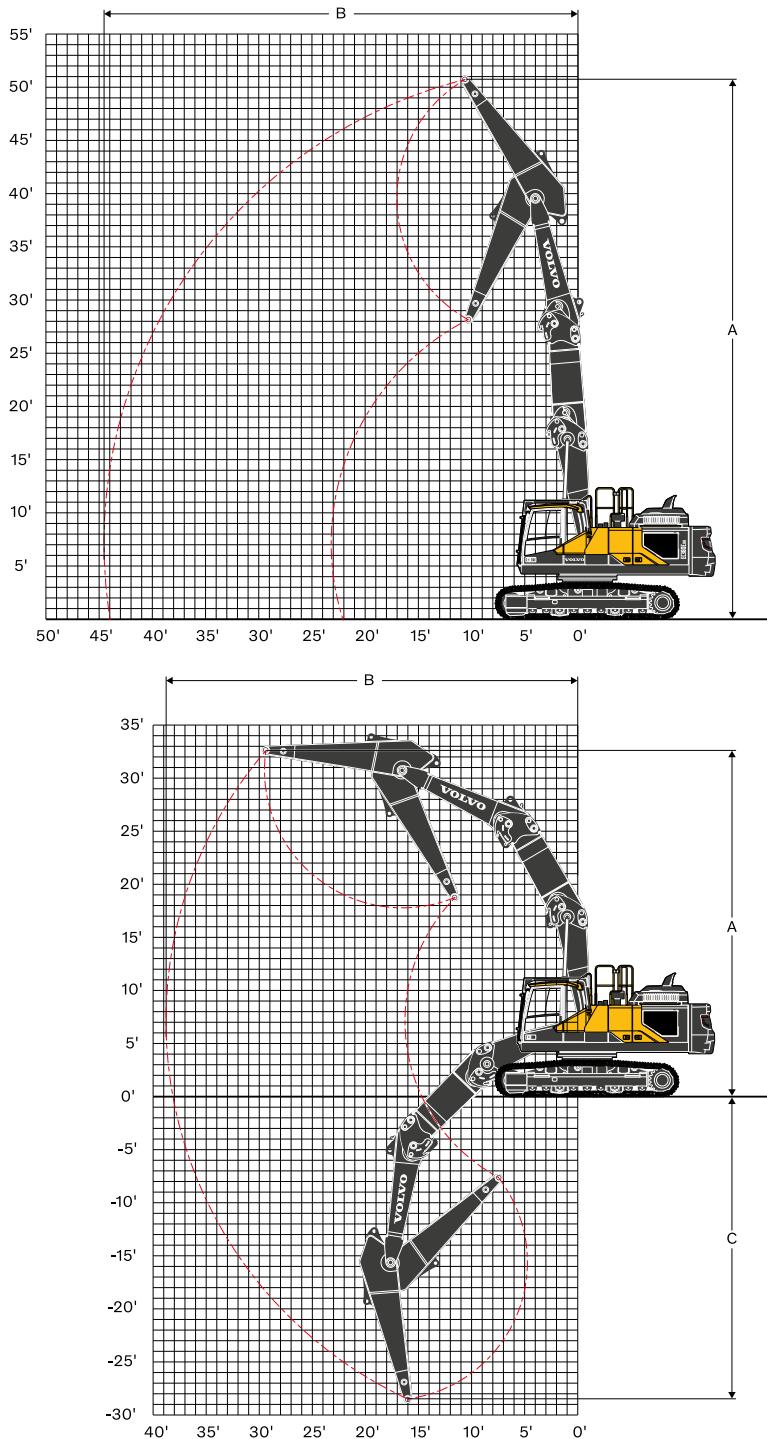
Specifications



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

Description	Unit	EC750EHR			
		26m (85'4")		36m (118'1")	
		Undercarriage hydraulically retractable		Undercarriage hydraulically retractable	
A Maximum pin height	mm ft in	26,000	85'4"	36,000	118'1"
Pin height H/2		22,600	74'2"	31,922 / 31,271*	104'9" / 102'7"
B Maximum pin reach	mm ft in	15,589	51'2"	22,273 / 20,626*	73'1" / 67'8"
Pin reach H/2		12,672	41'7"	17,348 / 17,023*	56'11" / 55'10"
Maximum tool weight	t lb	5	11,023	3.6	7,937
C Operating angle	°		24		24 / 19*

*Across

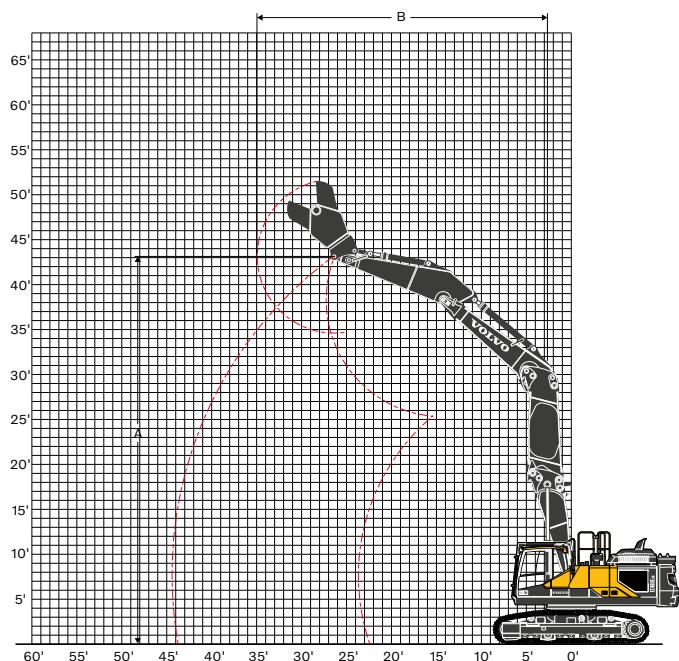
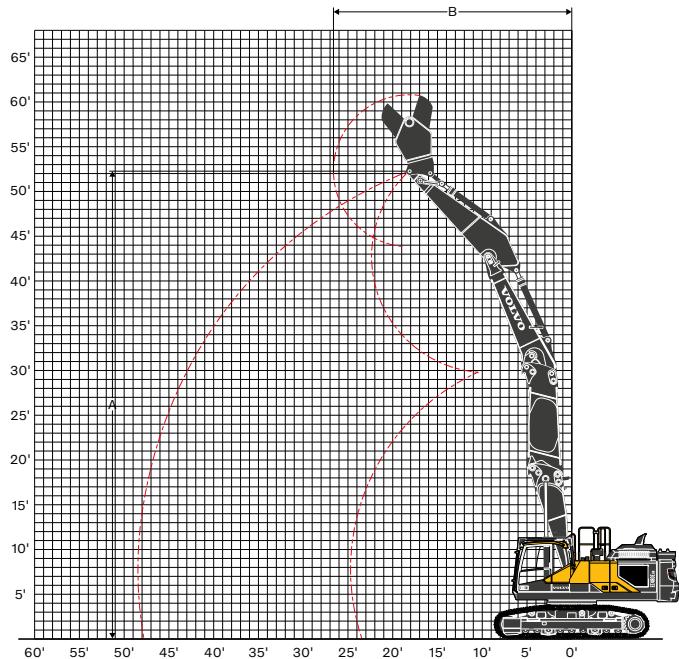


WORKING RANGES AND MAX. TOOL WEIGHT (machines with digging boom extension)

EC380EHR

Boom		Straight & Straight Boom 9.8 m (32'2")			Bent & Bent boom 8.7 m (28'7")	
Arm		3.9 m (12'10") arm			3.9 m (12'10") arm	
Description	Unit	Undercarriage, hydraulically retractable				
A Maximum pin height	mm ft in	15 245	50'0"	9 810	32'2"	
B Maximum pin reach	mm ft in	13 620	44'8"	11 885	38'12"	
Maximum tool weight	t lb	4.3	9,480	5.6	12,346	
C Maximum pin depth	mm ft in	N/A	8 518	27'11"		

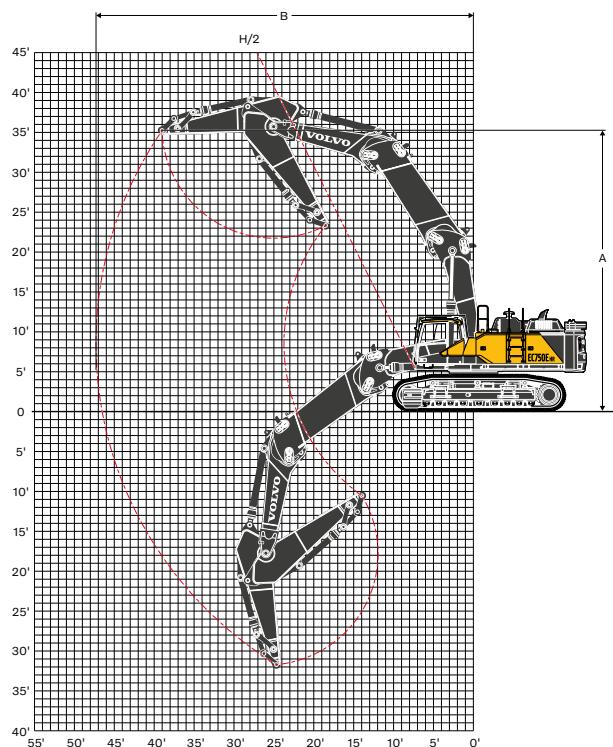
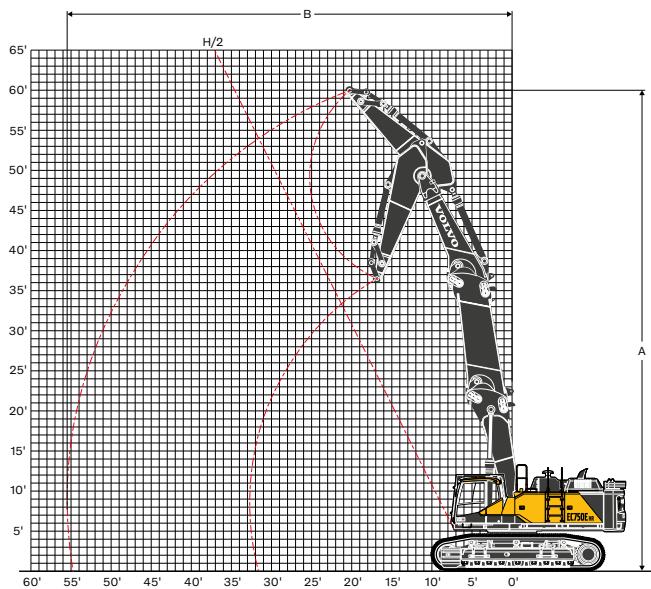
Specifications



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

EC48OEHR

Boom		Straight Boom			Bent boom	
Arm		3.9 m (12'10") arm			3.9 m (12'10") arm	
Description	Unit	Undercarriage, hydraulically retractable				
A Maximum pin height	mm ft in	15 775	51'9"	13 025	42'9"	
B Maximum pin reach	mm ft in	14 560	47'9"	13 330	43'0"	
Maximum tool weight	t lb	4.7	10,362	5.7	12,566	
C Maximum pin depth	mm ft in		N/A	7 052	23'2"	



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

EC750EHR

Boom		Straight & Straight Boom			Bent & Bent boom	
Arm		4.2 m (13'9") arm			4.2 m (13'9") arm	
Description	Unit	Undercarriage, hydraulically retractable				
A Maximum pin height	mm ft in	15,083	49'6"	10,570	34'8"	
B Maximum pin reach	mm ft in	15,314	50'3"	14,198	46'7"	
Maximum tool weight	t lb	6.5	14,330	9.5	20,944	
C Maximum pin depth	mm ft in		N/A	9,509	31'2"	

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.

Without Boom extension	Lifting hook related to ground level	3.0 m, 10 ft		4.5 m, 15 ft		6.0 m, 20 ft		7.5 m, 25 ft		9.0 m, 30 ft		10.5 m, 35 ft		12.0 m, 40 ft		Max. reach			
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.									
Bent boom Arm 3.9 m (12'10") Shoe 600 mm (24") CWT & no Add. CWT	9.0 m kg															*6,170	*6,170	7.4 m	
	30 ft lb																	*13,603 *13,603	24.3 ft
	7.5 m kg																	*5,730 *5,730	8.6 m
	25 ft lb																	*12,632 *12,632	28.2 ft
	6.0 m kg																	*5,570 *5,570	9.3 m
	20 ft lb																	*12,280 *12,280	30.5 ft
	4.5 m kg																	*5,580 *5,580	9.8 m
	15 ft lb																	*12,302 *12,302	32.2 ft
	3.0 m kg																	*5,760 *5,760	10.1 m
	10 ft lb																	*12,699 *12,699	33.1 ft
	1.5 m kg																	*6,110 *6,110	10.1 m
	5 ft lb																	*13,470 *13,470	33.1 ft
	0.0 m kg																	*6,690 *6,690	9.8 m
	0 ft lb																	*14,749 *14,749	32.2 ft
	-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 m
Straight boom Arm 3.9 m (12'10") Shoe 600 mm (24") CWT & no Add. CWT	-5 ft lb	*20,437	*20,437	*30,799	*30,799	*50,949	*50,949	*37,942	32,584	*29,784	23,567	22,906	18,276					*16,843 *16,843	30.8 ft
	-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 m
	-10 ft lb	*32,342	*32,342	*45,040	*45,040	*47,069	*47,069	*35,737	32,496	*27,800	23,523							*20,481 *19,467	28.2 ft
	-4.5 m kg																	*9,800 *9,800	7.5 m
	-15 ft lb																	*21,605 *21,605	24.6 ft
	10.5 m kg																	*7,470 *7,470	6.6 m
	35 ft lb																	*16,469 *16,469	21.7 ft
	9.0 m kg																	*6,410 *6,410	8.2 m
	30 ft lb																	*14,132 *14,132	26.9 ft
	7.5 m kg																	*5,890 *5,890	9.2 m
	25 ft lb																	*12,985 *12,985	30.2 ft
	6.0 m kg																	*5,640 *5,640	10.0 m
	20 ft lb																	*12,434 *12,434	32.8 ft
	4.5 m kg																	*5,550 *5,550	10.4 m
	15 ft lb																	*12,236 *12,236	34.1 ft
	3.0 m kg																	*5,630 *5,630	10.6 m
	10 ft lb																	*12,412 *12,412	34.8 ft
	1.5 m kg																	*5,820 *5,820	10.7 m
	5 ft lb																	*12,831 *12,831	35.1 ft
	0.0 m kg																	*6,180 *6,180	10.5 m
	0 ft lb																	*13,625 *13,625	34.4 ft
	-1.5 m kg																	*6,780 *6,780	10.0 m
	-5 ft lb																	*14,947 *14,947	32.8 ft
	-3.0 m kg																	*6,230 *6,230	9.3 m
	-10 ft lb																	*13,735 *13,735	30.5 ft
	-4.5 m kg																		8.3 m
	-15 ft lb																		27.2 ft

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, 10 ft		4.5 m, 15 ft		6.0 m, 20 ft		7.5 m, 25 ft		9.0 m, 30 ft		10.5 m, 35 ft		12.0 m, 40 ft		Max. reach			
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.									
Straight & Straight boom Arm 3.9 m (12'10") Shoe 600 mm (24") CWT & Add. CWT	15.0 m kg															*10,650	*10,650	4.4 m	
	50 ft lb															*23,479	*23,479	14.4 ft	
	13.5 m kg					*10,250	*10,250									*7,720	*7,720	7.5 m	
	45 ft lb					*22,597	*22,597									*17,020	*17,020	24.6 ft	
	12.0 m kg					*9,530	*9,530	*9,610	*9,610	*8,220	*8,220					*6,660	*6,660	9.4 m	
	40 ft lb					*21,010	*21,010	*21,186	*21,186	*18,122	*18,122					*14,683	*14,683	30.8 ft	
	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 m	
	35 ft lb					*19,842	*19,842	*21,054	*21,054	*18,364	*18,364	*16,358	*16,358			*13,448	*13,448	35.4 ft	
	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 m
	30 ft lb					*18,541	*18,541	*20,790	*20,790	*21,627	*21,627	*18,519	*18,519	*16,270	*16,270		*12,765	*12,765	38.7 ft
	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 m	
	25 ft lb					*27,734	*27,734	*22,421	*22,421	*18,916	*18,916	*16,380	*16,380	*14,418	12,831	*12,390	11,684	41.0 ft	
	6.0 m kg							*10,600	*10,600	*8,800	*8,800	*7,520	*7,520	7,180	*6,530	5,700	*5,560	4,820	13.1 m
	20 ft lb							*23,369	*23,369	*19,401	*19,401	*16,579	15,829	*14,396	12,566	*12,258	10,626	43.0 ft	
	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 m	
	15 ft lb							*24,141	*24,141	*19,775	19,092	*16,711	15,124	*14,374	12,170	*12,258	9,943	44.0 ft	
	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 m	
	10 ft lb							*24,251	22,994	*19,842	17,990	*16,667	14,440	*14,176	11,773	*11,574	9,568	44.6 ft	
	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 m	
	5 ft lb							*23,457	21,826	*19,445	17,152	*16,292	13,867	*13,735	11,420	*10,869	9,436	44.6 ft	
	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 m	
	0 ft lb							*21,804	21,297	*18,453	16,623	*15,521	13,470	*12,941	11,177	*10,053	9,546	44.0 ft	
	-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 m	
	-5 ft lb							*19,445	*19,445	*16,821	16,424	*14,198	13,294	*11,596	11,089	*9,039	*9,039	43.0 ft	
	-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 m	
	-10 ft lb					*16,579	*16,579	*16,424	*16,424	*14,506	*14,506	*12,192	*12,192	*9,414	*9,414	*7,716	*7,716	41.3 ft	
	-4.5 m kg							*5,750	*5,750	*5,150	*5,150	*4,180	*4,180			*2,670	*2,670	11.8 m	
	-15 ft lb							*12,677	*12,677	*11,354	*11,354	*9,215	*9,215			*5,886	*5,886	38.7 ft	
Straight & Bent boom Arm 3.9 m (12'10") Shoe 600 mm (24") CWT & Add. CWT	12.0 m kg							*7,670	*7,670							*6,210	*6,210	8.0 m	
	40 ft lb							*16,909	*16,909							*13,691	*13,691	26.2 ft	
	10.5 m kg							*8,770	*8,770	*7,660	*7,660					*5,780	*5,780	9.6 m	
	35 ft lb							*19,335	*19,335	*16,887	*16,887					*12,743	*12,743	31.5 ft	
	9.0 m kg							*8,960	*8,960	*7,870	*7,870	*6,600	*6,600			*5,600	*5,600	10.7 m	
	30 ft lb							*19,753	*19,753	*17,350	*17,350	*14,550	*14,550			*12,346	*12,346	35.1 ft	
	7.5 m kg					*11,330	*11,330	*9,370	*9,370	*8,070	*8,070	*7,150	*7,150			*5,560	*5,560	11.6 m	
	25 ft lb					*24,978	*24,978	*20,657	*20,657	*17,791	*17,791	*15,763	*15,763			*12,258	*12,258	38.1 ft	
	6.0 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 m	
	20 ft lb					*27,359	*27,359	*21,892	*21,892	*18,453	*18,453	*16,072	*16,072	*14,220	13,029	*12,412	*12,412	39.7 ft	
	4.5 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 m	
	15 ft lb					*29,784	*29,784	*23,171	*23,171	*19,158	*19,158	*16,402	15,895	*14,374	12,655	*12,809	11,707	41.0 ft	
	3.0 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 m	
	10 ft lb					*26,522	*26,522	*24,074	*24,074	*19,687	19,026	*16,667	15,146	*14,396	12,236	*13,426	11,067	41.7 ft	
	1.5 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 m	
	5 ft lb					*20,812	*20,812	*24,295	22,994	*19,864	18,012	*16,711	14,462	*14,242	11,817	*13,140	10,781	41.7 ft	
	0.0 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 m	
	0 ft lb					*24,736	*24,736	*23,700	22,090	*19,555	17,284	*16,402	13,955	*13,779	11,508	*12,809	10,781	41.0 ft	
	-1.5 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 m	
	-5 ft lb					*26,235	*26,235	*22,355	21,693	*18,673	16,865	*15,587	13,647	*12,787	11,354	*12,412	11,133	40.0 ft	
	-3.0 m kg					*10,570	*10,570	*10,550	*9,180	*9,180	*7,740	7,600	*6,410	6,160		*5,350	*5,350	11.6 m	
	-10 ft lb					*23,303	*23,303	*23,259	*23,259	*20,238	*20,238	*17,064	16,755	*14,132	13,580		*11,795	*11,795	38.1 ft
	-4.5 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 m
	-15 ft lb					*19,511	*19,511	*19,467	*19,467	*17,262	*17,262	*14,573	*14,573	*11,574	*11,574		*10,803	*10,803	35.4 ft
	-6.0 m kg					*6,560	*6,560	*5,930	*5,930	*4,840	*4,840					*4,100	*4,100	9.7 m	
	-20 ft lb					*14,462	*14,462	*13,073	*13,073	*10,670	*10,670					*9,039	*9,039	31.8 ft	

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 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, 10 ft		4.5 m, 15 ft		6.0 m, 20 ft		7.5 m, 25 ft		9.0 m, 30 ft		10.5 m, 35 ft		12.0 m, 40 ft		Max. reach			
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.									
Bent & Straight boom Arm 3.9 m (12'10") Shoe 600 mm (24") CWT & Add. CWT	12.0 m kg																*6,460	*6,460	8.6 m
	40 ft lb																*14,242	*14,242	28.2 ft
	10.5 m kg																*5,940	*5,940	10.1 m
	35 ft lb																*13,095	*13,095	33.1 ft
	9.0 m kg																*5,690	*5,690	11.1 m
	30 ft lb																*12,544	*12,544	36.4 ft
	7.5 m kg																*5,570	*5,570	11.9 m
	25 ft lb																*12,280	*12,280	39.0 ft
	6.0 m kg																*5,570	*5,490	12.5 m
	20 ft lb																*12,280	12,103	41.0 ft
	4.5 m kg																*5,660	5,080	12.9 m
	15 ft lb																*12,478	11,199	42.3 ft
	3.0 m kg																*5,790	4,840	13.0 m
	10 ft lb																*12,765	10,670	42.7 ft
	1.5 m kg																*5,790	4,730	13.1 m
	5 ft lb																*12,765	10,428	43.0 ft
	0.0 m kg																*5,800	4,750	12.9 m
	0 ft lb																*12,787	10,472	42.3 ft
	-1.5 m kg																*5,800	4,900	12.5 m
	-5 ft lb																*12,787	10,803	41.0 ft
	-3.0 m kg																*5,760	5,240	12.0 m
	-10 ft lb																*12,699	11,552	39.4 ft
	-4.5 m kg																*5,630	*5,630	11.2 m
	-15 ft lb																*12,412	*12,412	36.7 ft
	-6.0 m kg																*5,330	*5,330	10.2 m
	-20 ft lb																*11,751	*11,751	33.5 ft
	-7.5 m kg																*4,610	*4,610	8.7 m
	-25 ft lb																*10,163	*10,163	28.5 ft
Bent & Bent boom Arm 3.9 m (12'10") Shoe 600 mm (24") CWT & Add. CWT	9.0 m kg																*5,570	*5,570	9.7 m
	30 ft lb																*12,280	*12,280	31.8 ft
	7.5 m kg																*5,580	*5,580	10.6 m
	25 ft lb																*12,302	*12,302	34.8 ft
	6.0 m kg																*5,710	*5,710	11.3 m
	20 ft lb																*12,588	*12,588	37.1 ft
	4.5 m kg																*5,970	*5,970	11.7 m
	15 ft lb																*13,162	*13,162	38.4 ft
	3.0 m kg																*6,170	5,940	11.9 m
	10 ft lb																*13,603	13,095	39.0 ft
	1.5 m kg																*6,380	5,730	11.9 m
	5 ft lb																*14,065	12,632	39.0 ft
	0.0 m kg																*6,650	5,700	11.7 m
	0 ft lb																*14,661	12,566	38.4 ft
	-1.5 m kg																*6,960	5,860	11.3 m
	-5 ft lb																*15,344	12,919	37.1 ft
	-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 m
	-10 ft lb	*27,183	*27,183	*36,376	*36,376	*30,336	*30,336	*24,096	22,487	*19,731	17,461	*16,513	14,154				*16,138	13,823	35.1 ft
	-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 m
	-15 ft lb	*37,104	*37,104	*36,861	*36,861	*28,925	*28,925	*23,237	22,575	*19,004	17,505						*17,086	15,631	32.2 ft
	-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 m
	-20 ft lb	*43,277	*43,277	*33,157	*33,157	*26,345	*26,345	*21,230	*21,230								*18,100	*18,100	28.2 ft
	-7.5 m kg	*15,710	*15,710	*12,340	*12,340	*9,840	*9,840										*8,640	*8,640	6.8 m
	-25 ft lb	*34,635	*34,635	*27,205	*27,205	*21,693	*21,693										*19,048	*19,048	22.3 ft

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.

Without Boom extension	Lifting hook related to ground level	3.0 m, 10 ft		4.5 m, 15 ft		6.0 m, 20 ft		7.5 m, 25 ft		9.0 m, 30 ft		10.5 m, 35 ft		12.0 m, 40 ft		Max. reach				
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.										
Bent boom Arm 3.9 m (12'10") Shoe 600 mm (24") CWT & no Add. CWT	9.0 m kg																*7,870	*7,870	8.3 m	
	30 ft lb																	*17,350	*17,350	27.2 ft
	7.5 m kg																	*7,520	*7,520	9.3 m
	25 ft lb																	*16,579	*16,579	30.5 ft
	6.0 m kg																	*7,430	*7,430	10.0 m
	20 ft lb																	*16,380	*16,380	32.8 ft
	4.5 m kg																	*7,540	*7,540	10.4 m
	15 ft lb																	*16,623	*16,623	34.1 ft
	3.0 m kg																	*7,850	*7,850	10.6 m
	10 ft lb																	*17,306	*17,306	34.8 ft
	1.5 m kg																	*55,292	*55,292	39,860 *39,860 *32,408 32,232 *28,197 24,471 *19,709 19,224
	5 ft lb																	*13,620	*13,620	10.6 m
	0.0 m kg																	*8,450	*8,450	22,190 *21,870 18,690 *17,140 13,560 13,560 10,480 *9,210
	0 ft lb																	*18,629	*18,629	48,921 *48,215 41,204 *37,787 29,895 29,895 23,104 *20,305
	-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
	-5 ft lb																	*24,207	*24,207 *33,135 *33,135 *61,068 *61,068 *49,185 40,455 38,493 29,321 29,542 22,752 *23,237	
	-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 ft lb																	*38,118	*38,118	49,560 *49,560 *63,206 *63,206 *47,818 40,345 *37,699 29,189 29,586 22,796 *28,285
	-4.5 m kg																	*32,210	*32,210	25,680 *25,680 *19,710 18,520 *15,260 13,440 *13,700
	-15 ft lb																	*71,011	*71,011	*56,615 *56,615 *43,453 40,830 *33,643 29,630 *30,203
	-6.0 m kg																	*20,180	*20,180	*15,100 *15,100 *13,650
	-20 ft lb																	*44,489	*44,489	*33,290 *33,290 *30,093
Straight boom Arm 3.9 m (12'10") Shoe 600 mm (24") CWT & no Add. CWT	12.0 m kg																	*10,420	*10,420	6.0 m
	40 ft lb																	*22,972	*22,972	19.7 ft
	10.5 m kg																	*10,970	*10,970	*8,570
	35 ft lb																	*24,185	*24,185	*18,894
	9.0 m kg																	*12,320	*12,320	*9,600
	30 ft lb																	*27,161	*27,161	*21,164
	7.5 m kg																	*12,200	*12,200	*12,880
	25 ft lb																	*26,896	*26,896	*28,396
	6.0 m kg																	*14,580	*14,580	*14,860
	20 ft lb																	*32,143	*32,143	*32,761
	4.5 m kg																	*19,200	*19,200	*15,690
	15 ft lb																	*42,329	*42,329	*34,590
	3.0 m kg																	*21,870	*21,870	*16,094
	10 ft lb																	*46,473	*42,770	*36,817
	1.5 m kg																	*22,100	*18,500	*17,340
	5 ft lb																	*48,722	*40,785	*38,228
	0.0 m kg																	*11,880	*11,880	*21,970
	0 ft lb																	*26,191	*26,191	*48,436
	-1.5 m kg																	*17,680	*17,680	*20,710
	-5 ft lb																	*38,978	*38,978	*45,658
	-3.0 m kg																	*22,290	*22,290	*18,340
	-10 ft lb																	*49,141	*49,141	*40,433
	-4.5 m kg																	*14,620	*14,620	*11,710
	-15 ft lb																	*32,232	*32,232	*25,816

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.

With Boom extension	Lifting hook related to ground level	4.5 m, 15 ft		6.0 m, 20 ft		7.5 m, 25 ft		9.0 m, 30 ft		10.5 m, 35 ft		12.0 m, 40 ft		13.5 m, 45 ft		Max. reach				
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.								
Straight boom	15.0 m kg															*10,170	*10,170	7.1 m		
	50 ft lb																	*22,421 *22,421	23.3 ft	
	13.5 m kg					*12,260	*12,260	*10,110	*10,110									*8,780 *8,780	9.3 m	
	45 ft lb					*27,029	*27,029	*22,289	*22,289									*19,357 *19,357	30.5 ft	
	12.0 m kg					*12,270	*12,270	*10,620	*10,620	*9,430	*9,430						*8,090 *8,090	10.9 m		
	40 ft lb					*27,051	*27,051	*23,413	*23,413	*20,790	*20,790						*17,835 *17,835	35.8 ft		
	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 m	
	35 ft lb					*27,315	*27,315	*27,536	*27,536	*23,567	*23,567	*20,701	*20,701	*17,835	16,865		*16,976	16,689	39.7 ft	
	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	*8,380	7,640			*7,500	6,510	13.0 m	
	30 ft lb	*43,012	*43,012	*35,186	*35,186	*28,484	*28,484	*24,052	*24,052	*20,878	*20,878	*18,475	*18,475	16,843			*16,535	14,352	42.7 ft	
	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 m
	25 ft lb					*37,699	*37,699	*29,718	*29,718	*24,692	*24,692	*21,186	20,613	*18,541	16,402	*16,380	13,051	*16,204	12,787	44.6 ft
	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 m		
	3.9 m (12'10") Shoe					*30,931	*30,931	*25,331	24,648	*21,495	19,555	*18,651	15,785	*16,314	12,787	*15,410	11,729	46.3 ft		
	600 mm (24") CWT & Add. CWT					*14,280	13,040	*11,660	10,390	*9,830	8,380	*8,460	6,840	*7,330	5,630	*6,660	4,990	14.4 m		
	15 ft lb					*31,482	28,748	*25,706	22,906	*21,671	18,475	*18,651	15,080	*16,160	12,412	*14,683	11,001	47.2 ft		
	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 m		
	10 ft lb							*25,552	21,451	*21,539	17,483	*18,431	14,440	*15,851	12,015	*13,977	10,604	47.6 ft		
	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 m		
	5 ft lb							*24,714	20,459	*20,988	16,733	*17,946	13,911	*15,278	11,684	*13,250	10,428	47.6 ft		
	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 m		
	0 ft lb					*22,509	*22,509	*23,171	19,908	*19,952	16,226	*17,042	13,536	*14,286	11,464	*12,412	10,516	47.2 ft		
	-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 m		
	-5 ft lb					*22,663	*22,663	*21,032	19,753	*18,320	16,006	*15,609	13,360	*12,721	11,420	*11,376	10,891	45.9 ft		
	-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 m		
	-10 ft lb					*19,224	*19,224	*18,232	*18,232	*16,050	16,028	*13,514	13,404	*10,097	*10,097	*10,053	*10,053	44.3 ft		
	-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 m	
	-15 ft lb					*15,080	*15,080	*14,683	*14,683	*12,963	*12,963	*10,384	*10,384				*8,223	*8,223	42.0 ft	
Bent boom	12.0 m kg							*8,370	*8,370								*7,760	*7,760	9.2 m	
	40 ft lb							*18,453	*18,453								*17,108	*17,108	30.2 ft	
	10.5 m kg							*9,670	*9,670	*7,650	*7,650						*7,490	*7,490	10.5 m	
	35 ft lb							*21,319	*21,319	*16,865	*16,865						*16,513	*16,513	34.4 ft	
	9.0 m kg					*11,370	*11,370	*9,880	*9,880	*8,830	*8,830						*7,430	*7,430	11.5 m	
	30 ft lb					*25,067	*25,067	*21,782	*21,782	*19,467	*19,467						*16,380	*16,380	37.7 ft	
	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 m	
	25 ft lb	*44,357	*44,357	*32,871	*32,871	*26,610	*26,610	*22,619	*22,619	*19,864	*19,864	*17,879	17,174				*16,557	16,358	40.4 ft	
	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 m	
	20 ft lb			*36,553	*36,553	*28,462	*28,462	*23,678	*23,678	*20,437	*20,437	*18,122	16,667				*17,064	14,705	42.0 ft	
	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 m	
	15 ft lb					*30,225	*30,225	*24,692	*24,692	*21,032	19,797	*18,409	15,983				*16,777	13,580	43.3 ft	
	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 m	
	10 ft lb					*31,306	29,299	*25,441	23,215	*21,473	18,739	*18,607	15,300				*16,557	12,875	43.6 ft	
	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 m	
	5 ft lb					*31,328	27,602	*25,706	21,914	*21,627	17,813	*18,585	14,683				*16,380	12,500	43.6 ft	
	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 m	
	0 ft lb					*30,424	26,720	*25,353	21,032	*21,385	17,130	*18,276	14,198				*16,182	12,478	43.0 ft	
	-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 m	
	-5 ft lb					*31,570	*31,570	*28,748	26,367	*24,361	20,547	*20,635	16,711	*17,461	13,911		*15,939	12,809	41.7 ft	
	-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 m	
	-10 ft lb					*29,321	*29,321	*26,389	*26,389	*22,663	20,415	*19,224	16,557	*15,939	13,867		*15,521	13,603	40.0 ft	
	-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 m	
	-15 ft lb					*25,507	*25,507	*23,215	*23,215	*20,106	*20,106	*16,865	16,711				*14,771	*14,771	37.4 ft	
	-6.0 m kg					*9,230	*9,230	*8,550	*8,550	*7,390	*7,390						*6,060	*6,060	10.3 m	
	-20 ft lb					*20,349	*20,349	*18,850	*18,850	*16,292	*16,292						*13,360	*13,360	33.8 ft	

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 Point	3m, 10ft		4.5m, 15ft		6m, 20ft		7.5m, 25ft		9m, 30ft		10.5m, 35ft		12m, 40ft		Max. Reach							
		Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Max.					
Boom :	10.5 m	kg															*10,950	*10,950	8.3 m				
7.7 m (25'3")	35 ft	lb															*24,400	*24,400	26.7 ft				
Arm :	9 m	kg								*13,390	*13,390						*10,250	*10,250	9.5 m				
4.2 m (13'9")	30 ft	lb								*27,030	*27,030						*22,690	*22,690	30.9 ft				
Shoe :	7.5 m	kg								*16,200	*16,200						*9,940	*9,940	10.4 m				
900 mm (2'11")	25 ft	lb								*34,630	*34,630						*21,950	*21,950	33.9 ft				
Hyd. Removal CWT :	6 m	kg							*20,910	*20,910	*18,780	*18,780	*13,770	*13,770			*9,910	*9,910	11 m				
12,816 kg (28,260 lb)	20 ft	lb							*45,150	*45,150	*40,350	*40,350	*27,430	*27,430			*21,830	*21,830	35.9 ft				
Boom :	4.5 m	kg			*40,350	*40,350	*30,130	*30,130	*24,670	*24,670	*21,280	*21,280	*16,740	*16,740			*10,100	*10,100	11.3 m				
7.7 m (25'3")	15 ft	lb			*86,680	*86,680	*65,080	*65,080	*53,480	*53,480	*46,250	*46,250	*34,520	*34,520			*22,220	*22,220	37.2 ft				
Arm :	3 m	kg					*33,380	*33,380	*26,500	*26,500	*22,310	*20,440	*19,450	*15,740			*10,510	*10,510	11.5 m				
4.2 m (13'9")	10 ft	lb					*72,150	*72,150	*57,420	*57,420	*48,420	*43,960	*40,290	*33,760			*23,120	*23,120	37.7 ft				
Shoe :	1.5 m	kg					*35,490	*35,490	*27,860	*25,680	*23,080	*19,330	*19,030	*15,070			*11,180	*11,180	11.5 m				
900 mm (2'11")	5 ft	lb					*46,730	*46,730	*76,830	*76,830	*60,360	*55,280	*50,050	*41,580	*40,880	*32,370		*24,610	*24,610	37.6 ft			
Hyd. Removal CWT :	0 m	kg					*22,950	*22,950	*36,020	*34,440	*28,390	*24,320	*23,330	*18,440	*18,470	*14,540		*12,220	*12,220	11.2 m			
12,816 kg (28,260 lb)	0 ft	lb					*52,900	*52,900	*78,100	*73,980	*61,540	*52,310	*50,560	*39,670	*39,700	*31,240		*26,920	*26,920	36.8 ft			
Boom :	-1.5 m	kg	*17,240	*17,240	*30,190	*30,190	*35,020	33,420	*27,890	*23,480	*22,800	*17,860	*18,140	*14,220			*13,800	*13,730	10.8 m				
7.7 m (25'3")	-5 ft	lb	*38,870	*38,870	*69,030	*69,030	*75,950	71,710	*60,420	*50,490	*49,250	*38,430	*34,180	*30,620			*30,500	*30,280	35.3 ft				
Arm :	-3 m	kg	*26,320	*26,320	*40,790	*40,790	*32,490	*32,490	*26,120	*23,150	*21,100	*17,650					*16,360	*15,110	10.1 m				
4.2 m (13'9")	-10 ft	lb	*59,360	*59,360	*89,060	*89,060	*70,380	*70,380	*56,450	*49,790	*45,340	*38,030					*36,320	*33,430	32.9 ft				
Shoe :	-4.5 m	kg	*37,370	*37,370	*34,750	*34,750	*28,120	*28,120	*22,570	*22,570	*17,090	*17,090					*16,820	*16,820	9.1 m				
900 mm (2'11")	-15 ft	lb	*84,610	*84,610	*75,050	*75,050	*60,580	*60,580	*48,330	*48,330							*36,960	*36,960	29.5 ft				
Hyd. Removal CWT :	-6 m	kg					*20,870	*20,870	*15,440	*15,440									7.6 m				
12,816 kg (28,260 lb)	-20 ft	lb					*43,980	*43,980										24.7 ft					
Boom :	12 m	kg							*15,380	*15,380							*12,750	*12,750	8 m				
8.3 m (27'3")	40 ft	lb							*30,760	*30,760							*28,690	*28,690	25.4 ft				
Arm :	10.5 m	kg							*16,140	*16,140	*14,370	*14,370					*11,300	*11,300	9.5 m				
4.2 m (13'9")	35 ft	lb							*35,630	*35,630	*28,770	*28,770					*25,160	*25,160	30.6 ft				
Shoe :	9 m	kg							*15,990	*15,990	*16,080	*16,080	*11,270	*11,270			*10,510	*10,510	10.6 m				
900 mm (2'11")	30 ft	lb							*35,340	*35,340	*34,990	*34,990					*23,300	*23,300	34.4 ft				
Hyd. Removal CWT :	7.5 m	kg							*15,840	*15,840	*17,020	*17,020	*17,210	*17,210	*15,370	*15,370			*10,100	*10,100	11.3 m		
12,816 kg (28,260 lb)	25 ft	lb							*34,710	*34,710	*37,310	*37,310	*37,570	*37,570	*32,230	*32,230			*22,300	*22,300	37.1 ft		
Boom :	6 m	kg							*22,780	*22,780	*20,900	*20,900	*19,590	*19,590	*17,480	*15,780			*9,910	*9,910	11.9 m		
8.3 m (27'3")	20 ft	lb							*48,010	*48,010	*45,010	*45,010	*42,440	*42,440	*37,370	*33,810			*21,860	*21,860	38.9 ft		
Arm :	4.5 m	kg							*34,680	*34,680	*27,610	*26,800	*23,060	*19,780	*19,090	*15,180	*12,820	*11,840	*9,920	*9,920	12.2 m		
4.2 m (13'9")	15 ft	lb							*75,010	*75,010	*59,830	*57,730	*50,000	*42,560	*40,990	*32,580	*22,760	*22,760	*21,860	*21,860	40.1 ft		
Shoe :	3 m	kg							*35,970	*35,360	*28,320	*24,890	*23,330	*18,670	*18,420	*14,530	*14,700	*11,550	*10,130	*10,130	12.4 m		
900 mm (2'11")	10 ft	lb							*77,930	76,190	*61,370	*53,620	*50,570	*40,190	*39,580	*31,230	*28,110	*24,740	*22,290	*22,290	40.6 ft		
Hyd. Removal CWT :	1.5 m	kg							*34,390	*32,940	*28,170	*23,360	*22,700	*17,720	*17,820	*13,960	*14,420	*11,280	*10,520	*10,520	12.3 m		
12,816 kg (28,260 lb)	5 ft	lb							*77,010	70,860	*61,100	*50,310	*48,830	*38,150	*38,330	*30,030	*28,540	*24,230	*23,140	*23,140	40.5 ft		
Boom :	0 m	kg							*32,990	31,750	*26,940	*22,390	*22,000	*17,060	*17,400	*13,560	*13,270	*11,140	*11,150	*11,010	12.1 m		
8.3 m (27'3")	0 ft	lb							*72,120	68,170	*58,430	48,180	*47,310	36,710	*37,440	29,180			*24,550	24,250	39.7 ft		
Arm :	-1.5 m	kg							*17,480	*17,480	*29,380	*29,380	*24,500	21,960	*20,170	*16,720	*16,210	*13,390		*12,090	11,620	11.7 m	
4.2 m (13'9")	-5 ft	lb							*40,270	*40,270	*63,920	*63,920	*53,090	47,220	*43,540	*35,990	*34,640	*28,850		*26,700	25,650	38.3 ft	
Shoe :	-3 m	kg							*26,020	*26,020	*24,250	*24,250	*20,720	*20,720	*16,970	16,750	*12,670	*12,670			*10,190	*10,190	11 m
900 mm (2'11")	-10 ft	lb							*56,870	*56,870	*52,610	*52,610	*44,720	*44,720	*36,310	36,090	*26,180	*26,180			*22,290	*22,290	36.2 ft
Hyd. Removal CWT :	-4.5 m	kg											*15,280	*15,280	*11,850	*11,850							10.1 m
12,816 kg (28,260 lb)	-15 ft	lb											*32,500	*32,500							33.1 ft		

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 Point	3m, 10ft		4.5m, 15ft		6m, 20ft		7.5m, 25ft		9m, 30ft		10.5m, 35ft		12m, 40ft		Max. Reach		
	Along	Across	Along	Across	Along	Across	Along	Across	Max.								
10.5 m kg																	*10,950 *10,950 8.3 m
35 ft lb																	*24,400 *24,400 26.7 ft
9 m kg									*13,390 *13,390								*10,250 *10,250 9.5 m
30 ft lb									*27,030 *27,030								*22,690 *22,690 30.9 ft
7.5 m kg									*16,200 *16,200								*9,940 *9,940 10.4 m
25 ft lb									*34,630 *34,630								*21,950 *21,950 33.9 ft
6 m kg							*20,910 *20,910	*18,780 *18,780	*13,770 *13,770								*9,910 *9,910 11 m
20 ft lb							*45,150 *45,150	*40,350 *40,350	*27,430 *27,430								*21,830 *21,830 35.9 ft
4.5 m kg			*40,350 *40,350	*30,130 *30,130	*24,670 *24,670	*21,280 *21,280	*16,740 *16,740	*16,170 *16,170									*10,100 *10,100 11.3 m
7.7 m (25'3")	15 ft lb		*86,680 *86,680	*65,080 *65,080	*53,480 *53,480	*46,250 *46,250	45,840 *34,520										*22,220 *22,220 37.2 ft
Arm :	3 m kg				*33,380 *33,380	*26,500 *26,500	*22,310 *20,150	19,430 *15,500									*10,510 *10,510 11.5 m
4.2 m (13'9")	10 ft lb				*72,150 *72,150	*57,420 *57,420	*48,420 *43,330	*40,290 *33,250									*23,120 *23,120 37.7 ft
Shoe :	1.5 m kg					*35,490 *35,490	*27,860 *25,300	*23,080 *19,040	18,740 *14,840								*11,180 *11,180 11.5 m
750 mm (2'6")	5 ft lb					*46,730 *46,730	*76,830 *76,830	*60,360 *54,460	*50,050 *40,950	40,240 *31,860							*24,610 *24,610 37.6 ft
Hyd. Removal CWT :	0 m kg					*22,950 *22,950	*36,020 *33,910	*28,390 *23,940	23,150 *18,150	18,170 *14,300							*12,220 *12,220 11.2 m
12,816 kg (28,260 lb)	0 ft lb					*52,900 *52,900	*78,100 *72,840	*61,540 *51,500	49,760 *39,040	39,060 *30,730							*26,920 *26,920 36.8 ft
10 ft kg	*17,240 *17,240	*30,190 *30,190	*35,020 *32,890	*27,890 *23,100	22,540 *17,570	17,840 *13,980											*13,800 *13,490 10.8 m
-5 ft lb	*38,870 *38,870	*69,030 *69,030	*75,950 *70,570	*60,420 *49,680	48,460 *37,800	*34,180 *30,110											*30,500 *29,770 35.3 ft
-3 m kg	*26,320 *26,320	*40,790 *40,790	*32,490 *32,490	*26,120 *22,770	*21,100 *17,360												*16,360 *14,860 10.1 m
-10 ft lb	*59,360 *59,360	*89,060 *89,060	*70,380 *69,940	*56,450 *48,980	*45,340 *37,390												*36,320 *32,880 32.9 ft
-4.5 m kg	*37,370 *37,370	*34,750 *34,750	*28,120 *28,120	*22,570 *22,570	*17,090 *17,090												*16,820 *16,820 9.1 m
-15 ft lb	*84,610 *84,610	*75,050 *75,050	*60,580 *60,580	*48,330 *48,330													*36,960 *36,960 29.5 ft
-6 m kg					*20,870 *20,870	*15,440 *15,440											7.6 m
-20 ft lb						*43,980 *43,980											24.7 ft
12 m kg						*15,380 *15,380											*12,750 *12,750 8 m
40 ft lb						*30,760 *30,760											*28,690 *28,690 25.4 ft
10.5 m kg						*16,140 *16,140	*14,370 *14,370										*11,300 *11,300 9.5 m
35 ft lb						*35,630 *35,630	*28,770 *28,770										*25,160 *25,160 30.6 ft
9 m kg						*15,990 *15,990	*16,080 *16,080	*11,270 *11,270									*10,510 *10,510 10.6 m
30 ft lb						*35,340 *35,340	*34,990 *34,990										*23,300 *23,300 34.4 ft
7.5 m kg						*15,840 *15,840	*17,020 *17,020	*17,210 *17,210	*15,370 *15,370								*10,100 *10,100 11.3 m
25 ft lb						*34,710 *34,710	*37,310 *37,310	*37,570 *37,570	*32,230 *32,230								*22,300 *22,300 37.1 ft
6 m kg						*22,780 *22,780	*20,900 *20,900	*19,590 *19,590	*17,480 *15,780								*9,910 *9,910 11.9 m
20 ft lb						*48,010 *48,010	*45,010 *45,010	*42,440 *42,440	*37,370 *33,810								*21,860 *21,860 38.9 ft
4.5 m kg						*34,680 *34,680	*27,610 *26,800	*23,060 *19,780	19,090 *15,180	*12,820 *11,840	*9,920 *9,920						12.2 m
15 ft lb						*75,010 *75,010	*59,830 *57,730	*50,000 *42,560	40,990 *32,580	*22,760 *22,760	*21,860 *21,860						40.1 ft
3 m kg						*35,970 *35,360	*28,320 *24,890	*23,330 *18,670	18,420 *14,530	14,700 *11,550	*10,130 *10,130						12.4 m
10 ft lb						*77,930 *76,190	*61,370 *53,620	*50,570 *40,190	39,580 *31,230	*28,110 *24,740	*22,290 *22,290						40.6 ft
1.5 m kg						*34,390 *32,940	*28,170 *23,360	*22,700 *17,720	17,820 *13,960	14,420 *11,280	*10,520 *10,520						12.3 m
5 ft lb						*77,010 *70,860	*61,100 *50,310	48,830 *38,150	38,330 *30,030	*28,540 *24,230	*23,140 *23,140						40.5 ft
0 m kg						*32,990 *31,750	*26,940 *22,390	22,000 *17,060	17,400 *13,560	*13,270 *11,140	*11,150 *11,010						12.1 m
0 ft lb						*72,120 *68,170	*58,430 *48,180	47,310 *36,710	37,440 *29,180								*24,550 *24,250 39.7 ft
-1.5 m kg						*17,480 *17,480	*29,380 *29,380	*24,500 *21,960	*20,170 *16,720	*16,210 *13,390							*12,090 *11,620 11.7 m
-5 ft lb						*40,270 *40,270	*63,920 *63,920	*53,090 *47,220	*43,540 *35,990	*34,640 *28,850							*26,700 *25,650 38.3 ft
-3 m kg						*26,020 *26,020	*24,250 *24,250	*20,720 *20,720	*16,970 *16,750	*12,670 *12,670							*10,190 *10,190 11 m
-10 ft lb						*56,870 *56,870	*52,610 *52,610	*44,720 *44,720	*36,310 *36,090	*26,180 *26,180							*22,290 *22,290 36.2 ft
-4.5 m kg							*15,280 *15,280	*11,850 *11,850									10.1 m
-15 ft lb								*32,500 *32,500									33.1 ft

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 Point	3m, 10ft		4.5m, 15ft		6m, 20ft		7.5m, 25ft		9m, 30ft		10.5m, 35ft		12m, 40ft		Max. Reach							
		Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Max.					
Boom :	10.5 m	kg															*10,950	*10,950	8.3 m				
7.7 m (25'3")	35 ft	lb															*24,400	*24,400	26.7 ft				
Arm :	9 m	kg								*13,390	*13,390						*10,250	*10,250	9.5 m				
4.2 m (13'9")	30 ft	lb								*27,030	*27,030						*22,690	*22,690	30.9 ft				
Shoe :	7.5 m	kg								*16,200	*16,200						*9,940	*9,940	10.4 m				
650 mm (2'2")	25 ft	lb								*34,630	*34,630						*21,950	*21,950	33.9 ft				
Hyd. Removal CWT :	6 m	kg							*20,910	*20,910	*18,780	*18,780	*13,770	*13,770			*9,910	*9,910	11 m				
12,816 kg (28,260 lb)	20 ft	lb							*45,150	*45,150	*40,350	*40,350	*27,430	*27,430			*21,830	*21,830	35.9 ft				
Boom :	4.5 m	kg			*40,350	*40,350	*30,130	*30,130	*24,670	*24,670	*21,280	*21,280	*16,740	*16,740	16,010		*10,100	*10,100	11.3 m				
7.7 m (25'3")	15 ft	lb			*86,680	*86,680	*65,080	*65,080	*53,480	*53,480	*46,250	*45,420	*34,520	*34,520	34,290		*22,220	*22,220	37.2 ft				
Arm :	3 m	kg					*33,380	*33,380	*26,500	*26,500	*22,310	*19,950	*19,230	*15,340			*10,510	*10,510	11.5 m				
4.2 m (13'9")	10 ft	lb					*72,150	*72,150	*57,420	*57,420	*48,420	*42,910	*40,290	*32,900			*23,120	*23,120	37.7 ft				
Shoe :	1.5 m	kg					*35,490	*35,490	*27,860	*25,050	*23,080	*18,840	*18,540	*14,680			*11,180	*11,180	11.5 m				
650 mm (2'2")	5 ft	lb					*46,730	*46,730	*76,830	*76,480	*60,360	*53,920	*50,050	*40,530	39,810	31,510		*24,610	*24,610	37.6 ft			
Hyd. Removal CWT :	0 m	kg					*22,950	*22,950	*36,020	*33,560	*28,390	*23,690	*22,910	*17,950	17,970	14,140		*12,220	*12,220	11.2 m			
12,816 kg (28,260 lb)	0 ft	lb					*52,900	*52,900	*78,100	*72,080	*61,540	*50,960	*49,240	*38,620	38,630	30,380		*26,920	*26,920	36.8 ft			
Boom :	-1.5 m	kg	*17,240	*17,240	*30,190	*30,190	*35,020	32,530	*27,890	*22,850	*22,290	*17,370	*17,650	*13,820			*13,800	*13,340	10.8 m				
7.7 m (25'3")	-5 ft	lb	*38,870	*38,870	*69,030	*69,030	*75,950	69,810	*60,420	*49,130	*47,930	*37,370	*34,180	*29,760			*30,500	*29,430	35.3 ft				
Arm :	-3 m	kg	*26,320	*26,320	*40,790	*40,790	*32,490	32,250	*26,120	*22,520	*21,100	*17,170					*16,360	*14,690	10.1 m				
4.2 m (13'9")	-10 ft	lb	*59,360	*59,360	*89,060	*89,060	*70,380	69,180	*56,450	*48,440	*45,340	*36,970					*36,320	32,500	32.9 ft				
Shoe :	-4.5 m	kg	*37,370	*37,370	*34,750	*34,750	*28,120	*28,120	*22,570	*22,570	*17,090	*17,090					*16,820	*16,820	9.1 m				
650 mm (2'2")	-15 ft	lb	*84,610	*84,610	*75,050	*75,050	*60,580	*60,580	*48,330	*48,330							*36,960	*36,960	29.5 ft				
Hyd. Removal CWT :	-6 m	kg					*20,870	*20,870	*15,440	*15,440									7.6 m				
12,816 kg (28,260 lb)	-20 ft	lb					*43,980	*43,980										24.7 ft					
Boom :	12 m	kg							*15,380	*15,380							*12,750	*12,750	8 m				
8.3 m (27'3")	40 ft	lb							*30,760	*30,760							*28,690	*28,690	25.4 ft				
Arm :	10.5 m	kg							*16,140	*16,140	*14,370	*14,370					*11,300	*11,300	9.5 m				
4.2 m (13'9")	35 ft	lb							*35,630	*35,630	*28,770	*28,770					*25,160	*25,160	30.6 ft				
Shoe :	9 m	kg							*15,990	*15,990	*16,080	*16,080	*11,270	*11,270			*10,510	*10,510	10.6 m				
650 mm (2'2")	30 ft	lb							*35,340	*35,340	*34,990	*34,990					*23,300	*23,300	34.4 ft				
Hyd. Removal CWT :	7.5 m	kg							*15,840	*15,840	*17,020	*17,020	*17,210	*17,210	*15,370	*15,370			*10,100	*10,100	11.3 m		
12,816 kg (28,260 lb)	25 ft	lb							*34,710	*34,710	*37,310	*37,310	*37,570	*37,570	*32,230	*32,230			*22,300	*22,300	37.1 ft		
Boom :	6 m	kg							*22,780	*22,780	*20,900	*20,900	*19,590	*19,590	*17,480	*15,620			*9,910	*9,910	11.9 m		
8.3 m (27'3")	20 ft	lb							*48,010	*48,010	*45,010	*45,010	*42,440	*42,440	*37,370	*33,460			*21,860	*21,860	38.9 ft		
Arm :	4.5 m	kg							*34,680	*34,680	*27,610	*26,550	*23,060	*19,590	*18,890	*15,020	*12,820	11,700	*9,920	*9,920	12.2 m		
4.2 m (13'9")	15 ft	lb							*75,010	*75,010	*59,830	57,190	*50,000	*42,140	*40,560	*32,240	*22,760	*22,760	*21,860	*21,860	40.1 ft		
Shoe :	3 m	kg							*35,970	35,010	*28,320	*24,640	*23,330	*18,480	*18,220	*14,370	*14,530	11,410	*10,130	*10,130	12.4 m		
650 mm (2'2")	10 ft	lb							*77,930	75,430	*61,370	*53,080	*50,460	*39,770	*39,160	*30,890	*28,110	*24,450	*22,290	*22,290	40.6 ft		
Hyd. Removal CWT :	1.5 m	kg							*34,390	32,590	*28,170	23,110	*22,460	*17,530	*17,630	*13,800	*14,250	11,140	*10,520	*10,520	12.3 m		
12,816 kg (28,260 lb)	5 ft	lb							*77,010	70,100	*61,100	49,770	*48,300	*37,730	*37,900	*29,680	*28,540	23,940	*23,140	*23,140	40.5 ft		
Boom :	0 m	kg							*32,990	31,400	*26,940	22,140	*21,750	*16,860	*17,200	*13,400	*13,270	11,000	*11,150	*10,870	12.1 m		
8.3 m (27'3")	0 ft	lb							*72,120	67,410	*58,430	47,630	*46,780	*36,290	*37,010	*28,830			*24,550	23,960	39.7 ft		
Arm :	-1.5 m	kg							*17,480	*17,480	*29,380	*29,380	*24,500	21,700	*20,170	16,530	*16,210	13,230			*12,090	11,490	11.7 m
4.2 m (13'9")	-5 ft	lb							*40,270	*40,270	*63,920	*63,920	*53,090	46,670	*43,540	35,570	*34,640	28,510			*26,700	25,340	38.3 ft
Shoe :	-3 m	kg							*26,020	*26,020	*24,250	*24,250	*20,720	*20,720	*16,970	16,550	*12,670	*12,670			*10,190	*10,190	11 m
650 mm (2'2")	-10 ft	lb							*56,870	*56,870	*52,610	*52,610	*44,720	*44,720	*36,310	35,670	*26,180	*26,180			*22,290	*22,290	36.2 ft
Hyd. Removal CWT :	-4.5 m	kg											*15,280	*15,280	*11,850	*11,850							10.1 m
12,816 kg (28,260 lb)	-15 ft	lb											*32,500	*32,500							33.1 ft		

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 Point	4.5m, 15ft										Max. Reach																	
	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Max.	Along	Across	Max.								
Boom (BNT&BNT) : 11.0 m (36'1")	9 m kg										*11,180	*11,180						*10,000	*10,000	12.7 m								
	30 ft lb										*24,420	*24,420						*22,010	*22,010	41.3 ft								
	7.5 m kg										*12,690	*12,690	*11,510					*10,270	*10,270	13.3 m								
	25 ft lb										*27,520	*27,520	*25,050					*22,580	*22,580	43.5 ft								
	6 m kg										*13,410	*13,410	*11,960					*10,710	*10,710	13.8 m								
	20 ft lb										*40,830	*40,830	*33,590	*33,590	*29,040	*29,040	*25,970	*25,970	*23,900	*23,900	*23,530	45.1 ft						
	4.5 m kg										*20,960	*20,960	*16,730	*16,730	*14,170	*14,170	*12,460	*12,460	*11,260	*11,260	*10,910	10,670	14.1 m					
	15 ft lb										*45,050	*45,050	*36,130	*36,130	*30,680	*30,680	*27,030	*27,030	*24,500	*24,500	*24,050	23,590	46.1 ft					
	3 m kg										*22,430	*22,430	*17,760	*17,760	*14,890	*14,890	*12,940	*12,940	*11,570	*11,570	*10,070	*10,070	14.2 m					
	10 ft lb										*48,310	*48,310	*38,370	*38,370	*32,220	*32,220	*28,060	*28,060	*25,130	*25,130	*24,400	22,210	46.6 ft					
	1.5 m kg										*22,720	*22,720	*18,490	*18,490	*15,460	*15,460	*13,350	*13,350	*12,670	*12,670	*11,290	9,710	14.2 m					
	5 ft lb										*49,940	*49,940	*40,000	*40,000	*33,460	*33,460	*28,940	*28,940	*27,280	*27,280	*25,680	22,620	*24,880	21,400	46.5 ft			
	0 m kg										*23,160	*23,160	*18,880	*18,880	*17,990	*17,990	*15,820	*15,820	*14,610	*14,610	*13,630	*13,630	*11,560	9,590	14 m			
	0 ft lb										*50,200	*49,600	*40,870	*40,870	*38,810	*38,810	*34,270	*34,270	*29,540	*29,540	*26,050	*26,050	*25,990	21,760	*25,490	21,130	45.8 ft	
	-1.5 m kg										*15,840	*15,840	*22,830	*22,830	*18,910	*18,910	*17,460	*17,460	*15,940	*15,940	*14,100	*14,100	*11,980	*11,980	*11,880	9,730	13.6 m	
	-5 ft lb										*37,030	*37,030	*49,560	*48,840	*37,630	*37,630	*34,540	*34,540	*30,390	*30,390	*29,720	*29,720	*25,170	*25,170	*26,200	21,450	44.6 ft	
	-3 m kg	*16,530	*16,530	*23,770	*23,770	*22,190	*22,190	*18,600	*18,600	*17,220	*17,220	*15,780	*15,780	*13,830	*13,830	*11,960	*11,960					*12,230	10,180	13.1 m				
	-10 ft lb	*37,690	*37,690	*54,320	*54,320	*48,180	*48,180	*40,320	*40,320	*37,080	*37,080	*34,170	*34,170	*29,790	*29,790	*23,330	*23,330	*24,690	*24,690			*27,000	22,470	42.8 ft				
	-4.5 m kg	*24,230	*24,230	*24,910	*24,910	*21,180	*21,180	*17,920	*17,920	*17,230	*17,230	*15,260	*15,260	*13,780	*13,780	*11,030	*11,030	*11,440	*11,440			*12,610	11,060	12.3 m				
	-15 ft lb	*54,700	*54,700	*54,240	*54,240	*45,960	*45,960	*38,810	*38,810	*37,100	*37,100	*32,980	*32,980	*29,690	*29,690	*28,060	*28,060	*24,680	*24,680			*27,840	24,490	40.2 ft				
	-6 m kg	*26,440	*26,440	*23,050	*23,050	*19,700	*19,700	*16,760	*16,760	*14,230	*14,230	*13,980	*13,980								*12,970	12,640	11.3 m					
	-20 ft lb	*57,620	*57,620	*50,010	*50,010	*42,630	*42,630	*36,190	*36,190	*30,600	*30,600	*30,180	*30,180								*28,640	23,150	36.8 ft					
	-7.5 m kg	*23,290	*23,290	*20,350	*20,350	*17,500	*17,500	*14,870	*14,870												*13,200	*13,200	10 m					
	-25 ft lb	*50,340	*50,340	*43,890	*43,890	*37,640	*37,640	*31,810	*31,810												*29,110	*29,110	32.3 ft					
	-9 m kg			*16,380	*16,380	*14,080	*14,080														*12,950	*12,950	8.2 m					
	-30 ft lb			*34,760	*34,760	*29,650	*29,650														*28,380	*28,380	26.1 ft					
Boom (BNT&STR) : 12.1 m (39'8")	13.5 m kg																				*10,710	*10,710	11.5 m					
	45 ft lb																				*23,830	*23,830	36.9 ft					
	12 m kg																				*10,240	*10,240	12.7 m					
	40 ft lb																				*22,680	*22,680	41.3 ft					
	10.5 m kg										*13,020	*13,020	*11,780	*11,780	*10,900	*10,900						*9,990	*9,990	13.7 m				
	35 ft lb										*28,290	*28,290	*25,660	*25,660								*22,070	*22,070	44.7 ft				
	9 m kg										*15,430	*15,430	*13,440	*13,440	*12,000	*12,000	*10,940	*10,940					*9,890	*9,890	14.5 m			
	30 ft lb										*33,370	*33,370	*29,130	*29,130	*29,130	*29,130	*26,070	*26,070	*26,070	*26,070	*23,830	*23,830	*21,830	*21,830	47.3 ft			
	7.5 m kg										*19,880	*19,880	*16,300	*16,300	*13,960	*13,960	*12,310	*12,310	*11,090	*11,090	*10,190	*10,190	*9,350	*9,940	*9,240	15.1 m		
	25 ft lb										*42,760	*42,760	*35,190	*35,190	*30,230	*30,230	*26,710	*26,710	*24,110	*24,110					*21,880	20,520	49.3 ft	
	6 m kg										*17,210	*17,210	*14,530	*14,530	*12,660	*12,660	*11,290	*11,290	*11,500	*11,500	*10,250	*10,250	*9,100	*9,960	*8,480	15.5 m		
	20 ft lb										*37,150	*37,150	*31,430	*31,430	*31,430	*31,430	*27,440	*27,440	*24,510	*24,510	*23,940	*23,940	*22,270	*19,410	*21,990	18,770	50.7 ft	
	4.5 m kg										*17,990	*17,990	*15,040	*15,040	*12,990	*12,990	*12,820	*12,820	*11,490	*11,490	*10,600	*10,600	*8,770	*9,830	*7,940	15.7 m		
	15 ft lb										*38,850	*38,850	*32,530	*32,530	*28,140	*28,140	*27,640	*27,640	*24,910	*24,910	*22,790	*22,790	*18,760	*21,680	*17,550	51.6 ft		
	3 m kg										*18,430	*18,430	*15,400	*15,400	*13,240	*13,240	*12,070	*12,070	*11,640	*11,640	*10,080	*10,080	*8,430	*9,720	*7,990	15.9 m		
	10 ft lb										*39,870	*38,210	*33,330	*33,330	*31,430	*31,430	*28,680	*28,680	*26,030	*26,030	*25,210	*25,210	*21,680	*21,680	*18,080	*21,440	*16,760	52 ft
	1.5 m kg										*18,440	*16,710	*15,550	*15,550	*13,740	*13,740	*11,450	*11,450	*11,690	*11,690	*9,630	*10,330	*8,130	*9,630	*7,410	15.8 m		
	5 ft lb										*39,980	*36,130	*33,670	*33,670	*29,670	*29,670	*26,940	*26,940	*24,690	*24,690	*22,320	*22,320	*19,390	*20,420	*17,500	48.6 ft		
	0 ft lb										*18,080	*16,250	*15,440	*15,440	*13,200	*13,200	*11,000	*11,000	*11,610	*11,610	*9,290	*10,170	*7,910	*9,550	*7,400	15.7 m		
	-1.5 m kg										*17,430													*19,800	18,960	46.4 ft		
	-5 ft lb										*37,890													*8,540	*8,540	13.3 m		
	-3 m kg										*18,260	*18,260	*16,510	*16,510	*16,110	*16,110	*14,410	*14,410	*12,820	*12,820					*20,420	*18,750	43.5 ft	
	-10 ft lb										*39,980	*39,980	*34,560	*34,560	*34,660	*34,660	*31,220	*31,220	*27,620	*27,620					*18,750	*18,750	43.5 ft	
	-4.5 m kg										*16,710	*16,710	*16,850	*16,850	*15,280	*15,280	*12,920	*12,920	*11,660	*11,660	*10,670	*10,670			*19,800	*18,960	46.4 ft	
	-15 ft lb										*37,010	*37,010	*36,770	*36,770	*33,160	*33,160	*29,050	*29,050	*27,840	*27,840	*25,110	*25,110			*8,540	*8,540	13.3 m	
	-6 m kg										*15,200	*15,200	*14,970	*14,970	*13,650	*13,650	*12,040	*12,040	*10,340	*10,340					*18,750	*18,750	43.5 ft	
	-7.5 m kg										*33,310	*33,310	*32,520	*32,520	*29,520	*29												

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 Point	4.5m, 15ft										Max. Reach														
		Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Max.	Reach	Max.						
Boom (STR&STR) : 12.7 m (41'8")	16.5 m kg					*16,780	*16,780	*13,520	*13,520										*13,320	*13,320	9 m					
Arm :	55 ft lb							*36,420	*36,420										*30,210	*30,210	28.3 ft					
Shoe :	15 m kg							*16,110	*16,110	*14,250	*14,250								*11,830	*11,830	11 m					
Hyd. Removal CWT :	50 ft lb					*35,800	*35,800	*35,260	*35,260	*27,570	*27,570								*26,480	*26,480	35.3 ft					
lb)	13.5 m kg					*15,460	*15,460	*16,070	*16,070	*15,980	*15,980	*13,740	*13,740						*10,970	*10,970	12.5 m					
900 mm (2'11")	45 ft lb					*34,310	*34,310	*35,470	*35,470	*34,730	*34,730	*26,550	*26,550						*24,400	*24,400	40.5 ft					
16,526 kg (36,440	12 m kg					*16,010	*16,010	*16,660	*16,660	*16,450	*16,450	*14,380	*14,380	*11,940	11,640				*10,440	*10,440	13.7 m					
lb)	40 ft lb					*35,070	*35,070	*36,490	*36,490	*35,690	*35,690	*31,200	*31,200						*23,130	*23,130	44.5 ft					
12.7 m (41'8")	10.5 m kg					*21,840	*21,840	*20,050	*20,050	*19,250	*19,250	*16,530	*16,530	*14,380	*14,380	*12,630	11,620			*10,110	9,610	14.6 m				
Arm :	35 ft lb					*43,850	*43,850	*42,250	*42,250	*41,320	*41,320	*35,840	*35,840	*31,170	*31,170	*27,360	24,780			*22,370	21,520	47.7 ft				
4.2 m (13'9")	9 m kg					*23,790	*23,790	*19,590	*19,590	*16,620	*16,620	*14,380	14,100	*12,580	11,300	*11,000	9,000	*9,950	8,490	15.3 m						
Shoe :	30 ft lb					*51,480	*51,480	*42,440	*42,440	*36,020	*36,020	*31,160	30,330	*27,240	24,200	*22,930	19,060	*21,950	18,920	50.1 ft						
900 mm (2'11")	7.5 m kg							*19,740	*19,740	*16,660	16,570	*14,340	13,330	*12,490	10,830	*10,890	8,800	*9,900	7,690	15.9 m						
Hyd. Removal CWT :	25 ft lb							*42,760	*42,760	*36,090	35,830	*31,070	28,740	*27,040	23,250	*23,490	18,770	*21,810	17,070	52 ft						
lb)	6 m kg									*16,540	15,310	*14,200	12,510	*12,330	10,300	*10,710	8,490	*9,260	7,120	16.3 m						
16,526 kg (36,440	20 ft lb									*35,850	33,130	*30,770	26,990	*26,670	22,140	*23,090	18,170	*20,500	15,760	53.4 ft						
lb)	4.5 m kg										*16,160	14,140	*13,900	11,720	*12,040	9,760	*10,420	8,150	*8,640	6,740	16.5 m					
12.7 m (41'8")	15 ft lb										*35,070	30,620	*30,130	25,300	*26,060	21,010	*22,450	17,480	*19,110	14,880	54.2 ft					
Arm :	3 m kg										*15,450	13,220	*13,390	11,050	*11,600	9,280	*9,980	7,830	*8,010	6,500	16.6 m					
Shoe :	10 ft lb										*33,590	28,600	*29,040	23,840	*25,090	19,990	*21,490	16,820	*17,700	14,340	54.6 ft					
900 mm (2'11")	1.5 m kg											*14,380	12,600	*12,630	10,530	*10,960	8,900	*9,370	7,570	*7,330	6,410	16.6 m				
Hyd. Removal CWT :	5 ft lb											*31,330	27,210	*27,400	22,720	*23,690	19,160	*20,130	16,270	*16,190	14,130	54.5 ft				
lb)	0 m kg											*13,000	12,260	*11,600	10,200	*10,090	8,630	*8,530	7,390	*6,580	6,460	16.4 m				
16,526 kg (36,440	0 ft lb											*28,360	26,440	*25,160	21,990	*21,770	18,590	*18,230	15,910	*14,500	14,250	53.9 ft				
lb)	-1.5 m kg												*11,340	*11,340	*11,340	*11,340	*10,270	10,040	*8,930	8,500	*7,390	7,330	*5,690	*5,690	16.1 m	
12.7 m (41'8")	-5 ft lb												*25,170	*25,170	*24,730	*24,730	*22,250	21,640	*19,200	18,320	*15,610	*15,610	*12,520	*12,520	52.9 ft	
Arm :	-3 m kg												*9,090	*9,090	*9,380	*9,380	*8,630	*8,630	*7,440	*7,440	*5,810	*5,810	*4,620	*4,620	15.7 m	
Shoe :	-10 ft lb												*20,140	*20,140	*20,430	*20,430	*18,600	*18,600	*15,850	*15,850	*11,900	*11,900	*10,110	*10,110	51.4 ft	
750 mm (2'6")	-4.5 m kg															*7,100	*7,100	*6,600	*6,600	*5,500	*5,500	*3,420	*3,420	3,280	3,280	15.1 m
Hyd. Removal CWT :	-15 ft lb															*14,460	*14,460	*15,360	*15,360	*14,070	*14,070	*11,420	*11,420			49.3 ft
lb)	9 m kg																									
16,526 kg (36,440	30 ft lb																									
lb)	7.5 m kg																									
12.7 m (41'8")	25 ft lb																									
Arm :	6 m kg																									
Shoe :	20 ft lb																									
750 mm (2'6")	4.5 m kg																									
Hyd. Removal CWT :	15 ft lb																									
lb)	3 m kg																									
16,526 kg (36,440	10 ft lb																									
lb)	1.5 m kg																									
12.7 m (41'8")	5 ft lb																									
Arm :	0 m kg																									
Shoe :	0 ft lb																									
750 mm (2'6")	-1.5 m kg																									
Hyd. Removal CWT :	-5 ft lb																									
lb)	-3 m kg																									
16,526 kg (36,440	-10 ft lb																									
lb)	-4.5 m kg																									
12.7 m (41'8")	-15 ft lb																									
Arm :	-6 m kg																									
Shoe :	-20 ft lb																									
750 mm (2'6")	-7.5 m kg																									
Hyd. Removal CWT :	-25 ft lb																									
lb)	-9 m kg																									
16,526 kg (36,440	-30 ft lb																									
lb)																										

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 Point	4.5m, 15ft												Max. Reach													
		4.5m	15ft	6m	20ft	7.5m	25ft	9m	30ft	10.5m	35ft	12m	40ft	13.5m	45ft	15m	50ft	16.5m	55ft	Along	Across	Max.	Along	Across	Max.		
Boom (BNT&STR) : 12.1 m (39'8") Arm : 4.2 m (13'9") Shoe : 750 mm (2'6") Hyd. Removal CWT : 16,526 kg (36,440 lb)	13.5 m	kg																						*10710	*10710	115m	
	45 ft	lb																							*23,830	*23,830	36.9ft
	12 m	kg																							*10240	*10240	127m
	40 ft	lb																							*22,680	*22,680	413ft
	10.5 m	kg																							*9,990	*9,990	137m
	35 ft	lb																							*22,070	*22,070	447ft
	9 m	kg																							*9,890	*9,890	145m
	30 ft	lb																							*21,830	*21,830	473ft
	7.5 m	kg																							*9,940	*9,940	151m
	25 ft	lb																							*21,880	*20,520	493ft
	6 m	kg																							*9,960	*8,480	155m
	20 ft	lb																							*21,990	*18,770	507ft
	4.5 m	kg																							*9,830	*7,940	157m
	15 ft	lb																							*21,680	*17,550	51.6ft
	3 m	kg																							*9,720	*7,590	159m
	10 ft	lb																							*21,440	*16,760	52ft
	1.5 m	kg																							*9,630	*7,410	158m
	5 ft	lb																							*21,250	*16,340	51.9ft
	0 m	kg																							*9,550	*7,400	157m
	0 ft	lb																							*21,050	*16,310	51.3ft
	-1.5 m	kg																							*9,430	*7,560	153m
	-5 ft	lb																							*20,800	*16,670	50.3ft
	-3 m	kg																							*9,270	*7,930	14.8m
	-10 ft	lb																							*20,420	*17,500	48.6ft
	-4.5 m	kg																							*9,000	*8,560	14.2m
	-15 ft	lb																							*19,800	*18,960	464ft
	-6 m	kg																							*8,540	*8,540	13.3m
	-20 ft	lb																							*18,750	*18,750	43.5ft
	-7.5 m	kg																							*7,750	*7,750	122m
	-25 ft	lb																							*16,890	*16,890	39.8ft
Boom (STR&BNT) : 11.9 m (39'1") Arm : 4.2 m (13'9") Shoe : 750 mm (2'6") Hyd. Removal CWT : 16,526 kg (36,440 lb)	13.5 m	kg																							*10,360	*10,360	107m
	45 ft	lb																							*23,010	*23,010	343ft
	12 m	kg																							*10,020	*10,020	12m
	40 ft	lb																							*22,160	*22,160	39ft
	10.5 m	kg																							*9,900	*9,900	131m
	35 ft	lb																							*21,830	*21,830	426ft
	9 m	kg																							*9,940	*9,940	139m
	30 ft	lb																							*21,680	*21,680	45.4ft
	7.5 m	kg																							*10,110	*9,930	14.5m
	25 ft	lb																							*22,240	*22,070	47.4ft
	6 m	kg																							*10,410	*9,040	14.9m
	20 ft	lb																							*22,910	*20,920	48.9ft
	4.5 m	kg																							*10,600	*8,400	152m
	15 ft	lb																							*23,410	*18,580	49.8ft
	3 m	kg																							*10,230	*7,990	153m
	10 ft	lb																							*22,590	*17,620	50.2ft
	1.5 m	kg																							*9,860	*7,760	153m
	5 ft	lb																							*21,760	*17,100	50.1ft
	0 m	kg																							*9,460	*7,710	151m
	0 ft	lb																							*20,860	*16,990	49.5ft
	-1.5 m	kg																							*8,980	*7,860	14.8m
	-5 ft	lb																							*19,770	*17,330	48.4ft
	-3 m	kg																							*8,360	*8,250	14.3m
	-10 ft	lb																							*18,380	*18,210	46.7ft
	-4.5 m	kg																							*7,510	*7,510	13.6m
	-15 ft	lb																							*16,460	*16,460	44.4ft
	-6 m	kg																							*6,290	*6,290	127m
	-20 ft	lb																							*13,660	*13,660	41.4ft

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 Point	4.5m, 15ft												Max. Reach																		
		Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Max.	Reach											
Boom (STR&STR) : 12.7 m (41'8")	16.5 m kg					*16,780	*16,780	*13,520	*13,520												*13,320	*13,320	9 m									
	55 ft lb							*36,420	*36,420												*30,210	*30,210	28.3 ft									
	15 ft kg							*16,110	*16,110	*14,250	*14,250										*11,830	*11,830	11 m									
	50 ft lb					*35,800	*35,800	*35,260	*35,260	*27,570	*27,570										*26,480	*26,480	35.3 ft									
	13.5 m kg					*15,460	*15,460	*16,070	*16,070	*15,980	*15,980	*13,740	*13,740								*10,970	*10,970	12.5 m									
	45 ft lb					*34,310	*34,310	*35,470	*35,470	*34,730	*34,730	*26,550	*26,550								*24,400	*24,400	40.5 ft									
	12 m kg					*16,010	*16,010	*16,660	*16,660	*16,450	*16,450	*14,380	*14,380	*11,940	11,640						*10,440	*10,440	13.7 m									
	40 ft lb					*35,070	*35,070	*36,490	*36,490	*35,690	*35,690	*31,200	*31,200								*23,130	*23,130	44.5 ft									
	10.5 m kg					*21,840	*21,840	*20,050	*20,050	*19,250	*19,250	*16,530	*16,530	*14,380	*14,380	*12,630	11,620					*10,110	9,610	14.6 m								
	35 ft lb					*43,850	*43,850	*42,250	*42,250	*41,320	*41,320	*35,840	*35,840	*31,170	*31,170	*27,360	24,780					*22,370	21,520	47.7 ft								
	9 m kg					*23,790	*23,790	*19,590	*19,590	*16,620	*16,620	*14,380	14,100	*12,580	11,300	*11,000	9,000	*9,950	8,490	15.3 m												
	30 ft lb					*51,480	*51,480	*42,440	*42,440	*36,020	*36,020	*31,160	30,330	*27,240	24,200	*22,930	19,060	*21,950	18,920	50.1 ft												
	7.5 m kg							*19,740	*19,740	*16,660	16,570	*14,340	13,330	*12,490	10,830	*10,890	8,800	*9,900	7,690	15.9 m												
	25 ft lb							*42,760	*42,760	*36,090	35,830	*31,070	28,740	*27,040	23,250	*23,490	18,770	*21,810	17,070	52 ft												
	6 m kg									*16,540	15,310	*14,200	12,510	*12,330	10,300	*10,710	8,490	*9,260	7,120	16.3 m												
	20 ft lb									*35,850	33,130	*30,770	26,990	*26,670	22,140	*23,090	18,170	*20,500	15,760	53.4 ft												
	4.5 m kg									*16,160	14,140	*13,900	11,720	*12,040	9,760	*10,420	8,150	*8,640	6,740	16.5 m												
	15 ft lb									*35,070	30,620	*30,130	25,300	*26,060	21,010	*22,450	17,480	*19,110	14,880	54.2 ft												
	3 m kg									*15,450	13,220	*13,390	11,050	*11,600	9,280	*9,980	7,830	*8,010	6,500	16.6 m												
	10 ft lb									*33,590	28,600	*29,040	23,840	*25,090	19,990	*21,490	16,820	*17,700	14,340	54.6 ft												
	1.5 m kg									*14,380	12,600	*12,630	10,530	*10,960	8,900	*9,370	7,570	*7,330	6,410	16.6 m												
	5 ft lb									*31,330	27,210	*27,400	22,720	*23,690	19,160	*20,130	16,270	*16,190	14,130	54.5 ft												
	0 m kg									*13,000	12,260	*11,600	10,200	*10,090	8,630	*8,530	7,390	*6,580	6,460	16.4 m												
	0 ft lb									*28,360	26,440	*25,160	21,990	*21,770	18,590	*18,230	15,910	*14,500	14,250	53.9 ft												
	-1.5 m kg									*11,340	*11,340	*11,340	*11,340	*10,270	10,040	*8,930	8,500	*7,390	7,330	*5,690	*5,690	16.1 m										
	-5 ft lb									*25,170	*25,170	*24,730	*24,730	*22,250	21,640	*19,200	18,320	*15,610	*15,610	*12,520	*12,520	52.9 ft										
	-3 m kg									*9,090	*9,090	*9,380	*9,380	*8,630	*8,630	*7,440	*7,440	*5,810	*5,810	*4,620	*4,620	15.7 m										
	-10 ft lb									*20,140	*20,140	*20,430	*20,430	*18,600	*18,600	*15,850	*15,850	*11,900	*11,900	*10,110	*10,110	51.4 ft										
	-4.5 m kg											*7,100	*7,100	*6,600	*6,600	*5,500	*5,500	*3,420	*3,420	*3,280	*3,280	15.1 m										
	-15 ft lb									*14,460	*14,460	*15,360	*15,360	*14,070	*14,070	*11,420	*11,420					49.3 ft										
Boom (BNT&BNT) : 11.0 m (36'1")	9 m kg													*11,180	*11,180						*10,000	*10,000	12.7 m									
	30 ft lb													*24,420	*24,420						*22,010	*22,010	41.3 ft									
	7.5 m kg													*12,690	*12,690	*11,510	*11,510				*10,270	*10,270	13.3 m									
	25 ft lb													*27,520	*27,520	*25,050	*25,050				*22,580	*22,580	43.5 ft									
	6 m kg													*18,990	*18,990	*15,560	*15,560	*13,410	*13,410	*11,960	*10,960		*10,710	*10,710	13.8 m							
	20 ft lb													*40,830	*40,830	*33,590	*33,590	*29,040	*29,040	*25,970	*25,970	*23,900	*23,900		*23,530	*23,530	45.1 ft					
	4.5 m kg													*20,960	*20,960	*16,730	*16,730	*14,170	*14,170	*12,460	*12,460	*11,260	11,250		*10,910	10,390	14.1 m					
	15 ft lb													*45,050	*45,050	*36,130	*36,130	*30,680	*30,680	*27,030	*27,030	*24,500	24,120		*24,050	22,980	46.1 ft					
	3 m kg													*22,430	*22,430	*17,760	*17,760	*14,890	*14,890	*12,940	*12,940	*11,570	10,730		*11,070	9,790	14.2 m					
	10 ft lb													*48,310	*48,310	*38,370	*38,370	*32,220	*32,220	*28,060	*28,060	*25,130	23,020		*24,400	21,610	46.6 ft					
	1.5 m kg													*22,720	*22,720	*18,490	18,390	*15,460	14,960	*13,350	12,330	*11,830	10,240		*11,290	9,430	14.2 m					
	5 ft lb													*49,940	*49,940	*40,000	39,730	*33,460	32,270	*28,940	26,550	*25,680	21,990		*24,880	20,800	46.5 ft					
	0 m kg													*23,160	*23,160	*22,380	*18,880	17,500	*15,820	14,210	*13,630	11,760	*11,990	9,830		*11,560	9,310	14 m				
	0 ft lb													*50,200	*48,240	*40,870	37,760	*34,270	30,640	*29,540	25,320	*25,990	21,130		*25,490	20,520	45.8 ft					
	-1.5 m kg													*15,840	*15,840	*22,830	22,070	*18,910	16,970	*15,940	13,710	*13,720	11,350	*11,980	9,550		*11,880	9,440	13.6 m			
	-5 ft lb													*37,030	*37,030	*49,560	47,490	*40,980	36,570	*34,540	29,530	*29,720	24,440			*26,200	20,810	44.6 ft				
	-3 m kg													*54,700	*54,700	*54,240	*54,240	*45,960	*45,960	*38,810	36,040	*32,980	28,830	*28,060	23,960		*27,840	23,770	40.2 ft			
	-10 ft lb													*37,690	*37,690	*54,320	*48,180	*47,340	*40,320	36,030	*34,170	28,930	*29,330	23,960			*27,000	21,800	42.8 ft			
	-4.5 m kg													*24,230	*24,230	*24,910	*24,910	*21,180	*21,180	*17,920	16,740	13,380	*13,030	11,100			*12,610	10,730	12.3 m			
	-15 ft lb													*54,700	*54,700	*54,240	*54,240	*45,960	*45,960	*38,810	36,040	*32,980	28,830	*28,060	23,960			*27,840	23,770	40.2 ft		
	-6 m kg													*26,440	*26,440	*23,050	*23,050	*19,700	*19,700	*16,760	*16,760	*14,230	13,580				*12,970	12,270	11.3 m			
	-20 ft lb													*57,620	*57,620	*50,010	*50,010	*42,630	*42,630	*36,190	*36,190	*30,600	29,310				*28,640	27,340	36.8 ft			
	-7.5 m kg													*23,290	*23,290	*20,350	*20,350	*17,500	*17,500	*												

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 Point	4.5m, 15ft												Max. Reach												
	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Max.	Along	Across	Max.	Along	Across	Max.		
13.5 m kg																		*10,710	*10,710	11.5 m					
45 ft lb																		*23,830	*23,830	36.9 ft					
12 m kg																		*10,240	*10,240	12.7 m					
40 ft lb																		*22,680	*22,680	41.3 ft					
10.5 m kg																		*9,990	*9,990	13.7 m					
35 ft lb																		*22,070	*22,070	44.7 ft					
9 m kg																		*9,890	*9,890	14.5 m					
30 ft lb																		*21,830	*21,830	47.3 ft					
7.5 m kg																									
25 ft lb																		*21,880	20,290	49.3 ft					
6 m kg																		*9,960	*9,960	15.5 m					
20 ft lb																		*21,990	18,550	50.7 ft					
4.5 m kg																		*7,210	*7,210	15.7 m					
15 ft lb																		*17,990	*15,040	22,270	19,180	*21,990			
3 m kg																		*38,850	*38,850	32,530	28,140	27,350	18,540	*21,680	17,340
10 ft lb																		*18,430	*17,430	*15,400	*14,380	*13,240	*11,930	*10,370	8,330
1.5 m kg																		*39,870	37,790	*33,330	31,090	*28,680	25,740	*21,430	*22,460
650 mm (2'2")																		*18,440	16,520	*15,550	13,580	*13,360	11,320	*11,690	9,510
5 ft lb																		*39,980	35,710	*33,670	29,320	*28,940	24,400	*27,440	*24,510
0 m kg																		*18,080	16,050	*15,440	13,040	*13,310	10,860	*11,610	9,170
0 ft lb																		*39,270	34,620	*33,460	28,140	*28,820	23,410	*25,120	19,740
-1.5 m kg																		*17,430	15,880	*15,060	12,750	*13,040	10,580	*11,340	8,950
-5 ft lb																		*37,890	34,190	*32,660	27,480	*28,220	22,800	*24,500	19,280
-3 m kg																		*18,260	*18,260	*15,510	14,410	*12,510	10,470	*10,820	8,880
-10 ft lb																		*39,980	39,980	*35,880	34,240	*31,220	27,280	*27,040	22,560
-4.5 m kg																		*16,710	*16,710	*16,850	*15,280	*13,430	12,760	*11,660	10,530
-15 ft lb																		*37,010	*37,010	*36,770	*33,160	*30,290	27,490	*25,110	22,720
-6 m kg																		*15,200	*15,200	*14,970	*13,650	*12,040	*10,340	*10,340	
-20 ft lb																		*33,310	*33,310	*32,520	*32,520	*29,520	*29,520	*25,910	*22,050
-7.5 m kg																		*12,490	*12,490	*11,470	*11,470	*10,030	*10,030	*8,140	
-25 ft lb																		*26,900	*26,900	*24,570	*24,570	*21,270	*21,270	*16,270	
13.5 m kg																									
45 ft lb																		*31,760	*31,760						
12 m kg																		*16,970	*16,970	*15,240	*15,240	*10,300	*10,300		
40 ft lb																		*36,620	*36,620	*32,020	*32,020				
10.5 m kg																		*17,910	*17,910	*15,580	*15,580	*13,800	*13,800		
35 ft lb																		*38,840	*38,840	*33,810	*33,810	*30,000	*30,000		
9 m kg																		*27,580	*27,580	*21,980	*18,360	*15,810	*15,810	*13,890	*12,380
30 ft lb																		*59,440	*59,440	*49,550	*47,520	*39,770	*34,270	*30,140	*23,640
7.5 m kg																		*22,940	*22,940	*18,870	*18,870	*16,080	*14,010	*12,390	*11,430
25 ft lb																		*49,550	*49,550	*40,850	*40,850	*34,830	*34,830	*30,380	*26,860
6 m kg																		*23,690	*23,690	*19,300	*19,300	*16,310	*16,310	*13,440	*10,920
20 ft lb																		*51,230	*51,230	*41,780	*41,780	*35,320	*35,320	*30,580	*26,850
4.5 m kg																		*19,460	*18,990	*16,400	*15,420	*12,610	*12,610	*10,2340	*10,380
15 ft lb																		*42,160	41,190	*35,540	*33,330	*30,600	27,190	*26,700	22,300
3 m kg																		*19,180	17,450	*16,270	*14,330	*14,000	11,850	*12,170	9,860
10 ft lb																		*41,640	37,820	*35,280	*30,980	*30,330	25,554	*26,330	21,90
1.5 m kg																		*18,430	16,450	*15,860	13,490	*11,220	*11,180	*9,400	*10,190
6 m kg																		*40,100	35,570	*34,410	29,140	*29,630	24,180	*25,610	20,220
0 m kg																		*17,290	15,910	*14,290	*12,930	*13,120	10,750	*9,590	7,690
0 ft lb																		*37,690	34,310	*32,850	27,880	*28,400	23,160	*24,440	19,480
-1.5 m kg																		*16,190	*16,190	*15,850	15,690	*14,100	12,600	*12,270	10,450
-5 ft lb																		*35,940	*35,940	*34,560	33,780	*30,580	27,160	*22,520	22,640
-3 m kg																		*14,370	*14,370	*14,100	*12,710	12,500	*11,090	*10,340	*9,370
-10 ft lb																		*31,690	*31,690	*30,720	*30,720	*27,520	26,930	*23,890	22,270
-4.5 m kg																		*12,050	*12,050	*11,980	*11,980	*10,910	*9,460	*9,460	*7,630
-15 ft lb																		*26,430	*26,430	*26,010	*26,010	*23,530	*20,210		
-6 m kg																		*9,380	*9,380	*8,590	*8,590	*7,190	*7,190		
-20 ft lb																		*20,170	*20,170	*18,270	*18,270	*14,940	*14,940		
16.5 m kg																		*16,780	*16,780	*13,520	*13,520				
55 ft lb																		*36,420	*36,420						
15 m kg																		*16,110	*16,110	*14,250	*14,250				
50 ft lb																		*35,800	*35,800	*35,260	*35,260	*27,570	*27,570		
13.5 m kg																		*15,460	*15,460	*16,070	*15,980	*15,980	*13,740		
45 ft lb																		*34,310	*34,310	*35,470	*35,470	*34,730	*34,730	*26,550	*26,550
12 m kg																		*16,010	*16,010	*16,660	*16,660	*16,450	*16,450	*14,380	*14,380
40 ft lb																		*35,070	*35,070	*36,490	*36,490	*35,690	*35,690	*31,200	
10.5 m kg																		*21,840	*21,840	*20,050	*19,250	*19,250	*16,530	*16,530	

Equipment

STANDARD EQUIPMENT EC380EHR, EC480EHR, EC750EHR

Engine
Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets Tier4f requirements.
Air intake heater
Fuel filter and water separator
Fuel filler pump: 50 l/min (13.2 gal/min), with automatic shut-off
Alternator, 80 A
Precleaner, Cyclone
Block heater: 120 V, 240 V
Water separator with heater
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)
Extra lights(halogen or LED):
Cab mounted x2 (front) x1 (rear)
Counterweight mounted x1
Travel alarm
Rotating warning beacon
Side view camera
Front camera for demolition
Rear view camera on counterweight
Cleaning air gun
Dust suppression system
Hose rupture valve for UHR:
boom cylinder and arm
Hydraulic piping:
Tool management system (Up to 20 programmable memories)
Grapple for digging boom
Quick fit piping for digging boom
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
Straight travel pedal
Boom cylinder guard
Bucket cylinder guard
Superstructure
Full height counterweight: 7,250 kg (15,984 lb) (EC380EHR)
Full height counterweight: 9,750 kg (21,495 lb) (EC480EHR)
Full height counterweight: 11,200 kg (24,692 lb) (EC750EHR)
Additional counterweight for high reach: 2,750 kg (6,063 lb) (EC380EHR)
Additional counterweight for high reach: 3,350 kg (7,385 lb) (EC480EHR manual CWT)
Additional counterweight for high reach: 3,500 kg (7,716 lb) (EC480EHR hyd removable CWT)
Additional counterweight for high reach: 4,186 kg (9,229 lb) (EC750EHR hyd removable CWT)
HD undercover plate (8 mm / 0.31 in)
HD double thickness side doors with micro mesh
Access way with handrail
Punched metal anti-slip plates
Tool storage area
Side Impact Protection System
Side walk-way for tilting cab

STANDARD EQUIPMENT EC380EHR, EC480EHR, EC750EHR

Undercarriage
Fixed undercarriage (EC380EHR and EC480EHR)
Hydraulically retractable undercarriage (EC750EHR)
Swing ring guard
HD Undercover plate (10 mm / 0.39 in)
Hydraulic track adjusters
Greased and sealed track link
Standard track guards
Foot support bar
Tilting cab, and interior
Tilting cab
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)
Pilot control pattern change
Hepa filter
Track shoes
750 mm (30") double grouser shoes (EC750EHR)
Digging equipment
Digging boom Straight 6.8 m (22'4") / Bent 6.5 m (21'4") (EC380EHR)
Arm: 3.2 m (10'6") / 3.9 m (12'10") (EC380EHR)
Digging boom Straight 7.5 m (24'7") / Bent 7.0 m (23'0") (EC480EHR)
Arm: 3.35 m (11'0") / 3.9 m (12'10") (EC480EHR)
Digging boom Straight 8.3 m (27'3") / Bent 7.7 m (25'3") (EC750EHR)
Arm: 4.2 m (13'9") (EC750EHR)
Boom extension 3.0 m (9'10") (EC380EHR)
Boom extension 3.4 m (11'2") (EC480EHR)
Boom extension 4.0 m (13'1") (EC750EHR)
Manual centralized lubrication
High reach
Boom HR-3 piece: 23 m (75.5 ft) (EC380EHR)
Boom HR-3 piece: 28 m (91.9 ft) (EC480EHR)
Boom HR-3 piece: 26 m (85.3 ft) (EC750EHR)
Boom HR-3 piece: 36 m (118.1 ft) (EC750EHR)
Service
Tool kit, daily maintenance

OPTIONAL EQUIPMENT EC380EHR, EC480EHR, EC750EHR

Engine
Oil bath pre-cleaner
Diesel coolant heater ,10kW
Reversible cooling fan (EC380EHR and EC480EHR)
Electric/Electronic control system
Anti-theft system
Hydraulic system
Hose rupture valve for digging boom : Arm
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)
Hydraulic oil, ISO VG 32, 68
Hydraulic oil, biodegradable 46
Hydraulic oil, longlife oil 32, 46, 68
Tilting cab, and interior
Smoker kit (ashtray & lighter)
Specific key
Luxury seat with wider armrest and ventilation
Undercarriage
Hydraulically retractable undercarriage
Mechanically retractable undercarriage (EC480EHR)
Full track guards
Track shoes
600/700/800/900 mm (24"/28"/32"/36") triple grouser shoes (EC380EHR and EC480EHR)
600 mm (24") double grouser shoes (EC380EHR and EC480EHR)
650/900 mm (26"/36") double grouser shoes (EC750EHR)
Service
Spare parts
Tool kit, full scale

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.

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