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Volvo Construction Equipment
Building Tomorrow



Français

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

Volvo Excavators



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

Engine

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

EC380EHR

Engine Tier 4f	Volvo	D13J
Max power at	r/s / r/min	28 / 1,700
Net, ISO 9249/SAE J1349	kW (hp)	229 (307)
Gross, ISO 14396/SAE J1995	kW (hp)	230 (308)
Max torque at	Nm (lbf ft) / r/min	1,692 (1,248) / 1,275
No. of cylinders		6
Displacement	l (in ³)	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 9249/SAE J1349	kW (hp)	283 (380)
Gross, ISO 14396/SAE J1995	kW (hp)	284 (381)
Max torque at	Nm (lbf ft) / r/min	1,928 (1,422) / 1,350
No. of cylinders		6
Displacement	l (in ³)	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 9249/SAE J1349	kW (hp)	392 (526)
Gross, ISO 14396/SAE J1995	kW (hp)	393 (527)
Max torque at	Nm (lbf ft) / r/min	2,570 (1,896) / 1,350
No. of cylinders		6
Displacement	l (in ³)	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	24
Batteries	V	2 x 12	2 x 12	2 x 12
Battery capacity	Ah	200	200	210
Alternator	V / Ah	28 / 80	28 / 80	28 / 80

Swing system

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

		EC380EHR	EC480EHR	EC750EHR
Max. slew speed	r/min	10.2	9.3	7
Max. slew torque	kNm (lbf ft)	130.5 (96,252)	166.3 (122,656)	275.3 (203,051)

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)	472 (106,110)
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)	2.9/4.6 (1.8/2.9)
Gradeability	°	35	35	33

Undercarriage

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

		EC380EHR	EC480EHR	EC750EHR
Track pads		2 x 50	2 x 52	2 x 52
Link pitch	mm (in)	215.9 (8.5)	215.9 (8.5)	260.4 (10.25)
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)	650 / 750 / 900 (26 / 30 / 36)
Bottom rollers		2 x 9	2 x 9	2 x 9
Top rollers		2 x 2(2 x 3*)	2 x 2(2 x 3*)	2 x 3

* Retractable undercarriage

Service refill capacities				
		EC380EHR	EC480EHR	EC750EHR
Fuel tank	l (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 6396				
L _{pA}	dB	71	71	72
External sound level according to ISO 6395 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
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)
Pilot pump, Type Gear pump			
Maximum flow	l/min (gal/min)	32.6 (8.6)	32 (8.5)
			34.5 (9.1)

Hydraulic motors

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

	EC380EHR	EC480EHR	EC750EHR
Relief valve setting			
Implement	Mpa (psi)	32.4/35.3 (4,699/5,120)	32.4/35.3 (4,699/5,120)
Travel circuit	Mpa (psi)	35.3 (5,120)	32.4 (4,699)
Slew circuit	Mpa (psi)	27.9 (4,047)	25.8 (3,742)
Pilot circuit	Mpa (psi)	3.9 (566)	3.9 (566)

Base boom cylinder

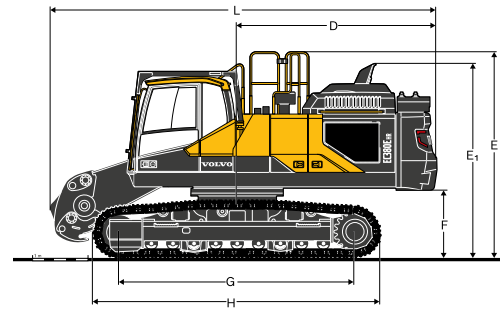
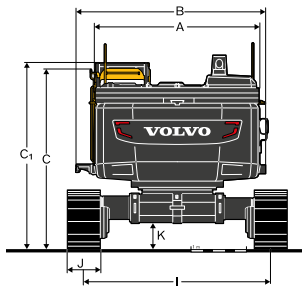
	Qty	Bore ø mm (in)	Stroke mm (in)
EC380EHR Base boom cylinder	2	165 (6.5)	1,530 (60.2)
EC480EHR Base boom cylinder	2	180 (7.1)	1,590 (62.6)
EC750EHR Base boom cylinder	2	230 (9.1)	1,697 (66.8)

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"

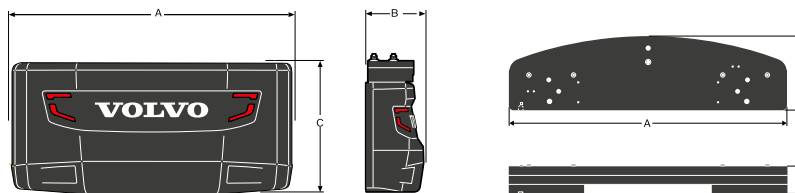
Specifications



DIMENSIONS

Description	Unit		EC380EHR				EC480EHR				EC750EHR	
			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"

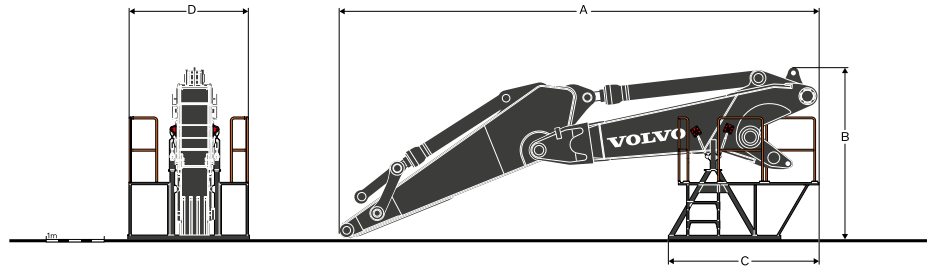
* With shoe grouser



DIMENSIONS OF THE COUNTERWEIGHT

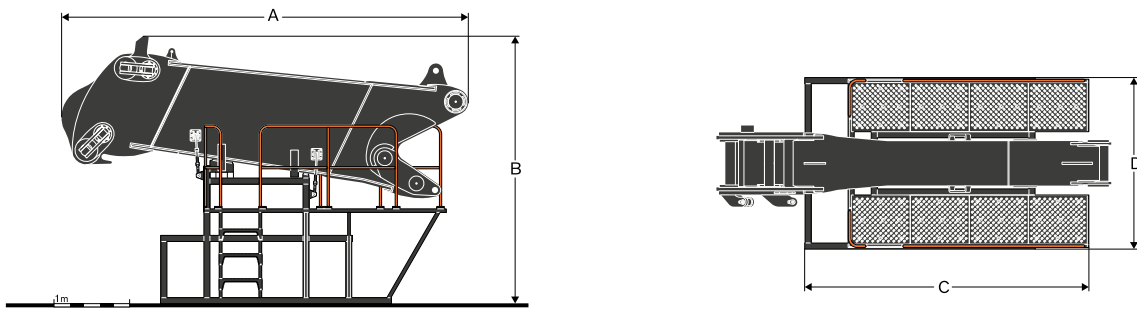
Description	Unit		EC380EHR				EC480EHR				EC750EHR			
			standard		additional cwt		standard		additional cwt w/ hyd removable		standard		additional cwt w/ hyd removable	
A Width counterweight	mm	ft in	2,974	9'9"	2,950	9'8"	2,990	9'10"	2,950	9'8"	3,406	11'2"	3,240	10'8"
B Thickness counterweight	mm	ft 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.



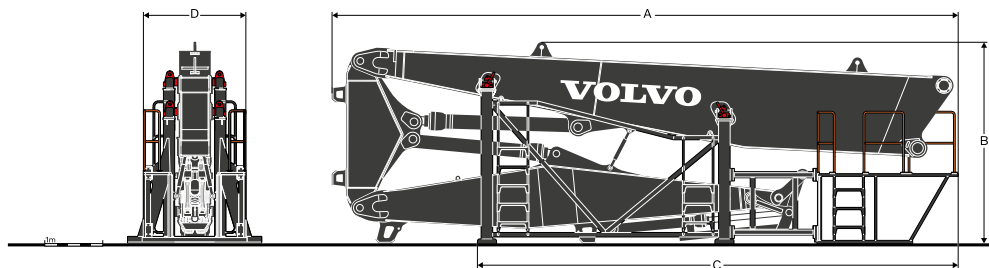
DIMENSIONS OF DIGGING EQUIPMENT

Description	Unit		EC380EHR				EC480EHR				EC750EHR	
			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

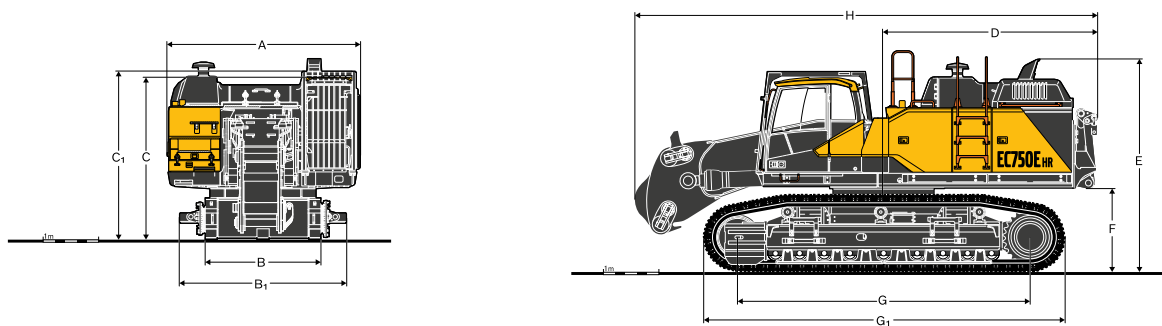
Description	Unit		EC380EHR		EC480EHR		EC750EHR	
			mm	ft in	mm	ft in	mm	ft in
A Overall length	mm	ft in	3,730	12'3"	4,465	14'8"	5,383	17'8"
B Overall height	mm	ft in	2,645	8'8"	2,500	8'2"	3,584	11'9"
C Length of support cradle	mm	ft in	2,690	8'10"	4,740	15'7"	3,776	12'5"
D Width of support cradle	mm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



DIMENSIONS OF 3-PIECE DEMOLITION BOOM IN SUPPORT CRADLE

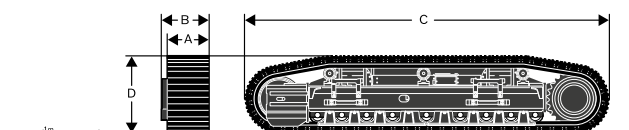
Description	Unit		EC380EHR		EC480EHR		EC750EHR			
							26m (85'4")		36m (118'1")	
A Overall length	mm	ft in	10,075	33'1"	13,380	43'11"	11,082	36'4"	17,306	56'9"
B Overall height	mm	ft in	3,012	9'11"	3,050	10'0"	3,569	11'9"	3,597	11'10"
C Length of support cradle	mm	ft in	2,565	8'5"	2,585	8'6"	8,510	27'11"	13,838	45'5"
D Width of support cradle	mm	ft in	2,080	6'10"	2,040	6'8"	2,416	7'11"	2,416	7'11"
Weight of working equipment without attachment, including support cradle	kg	lb	7,510	16,557	9,755	21,506	14,240	31,394	19,500	42,990
Weight without cradle	kg	lb	7,288	16,067	9,227	20,342	12,417	27,375	16,901	37,260

Specifications



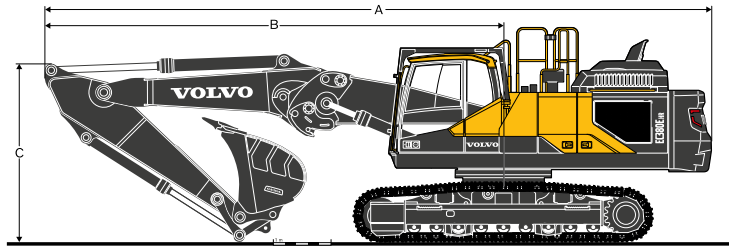
DIMENSION OF BASE MACHINE, TRANSPORTATION MODE

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



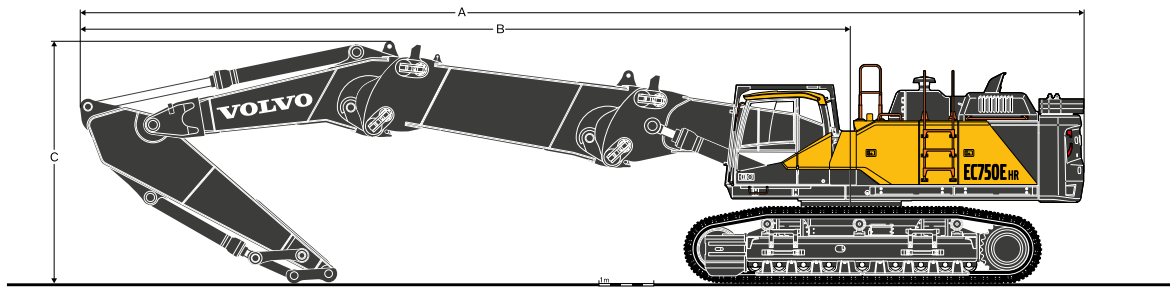
DIMENSION OF BASE MACHINE, TRACK FRAME

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



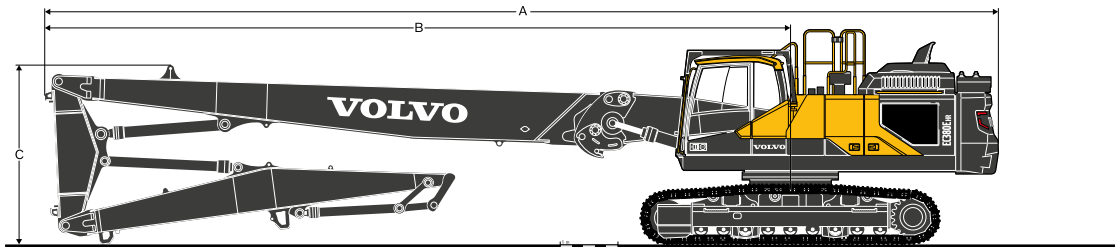
DIMENSIONS WITH DIGGING EQUIPMENT (POSITION FOR TRANSPORT)

Boom Arm	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

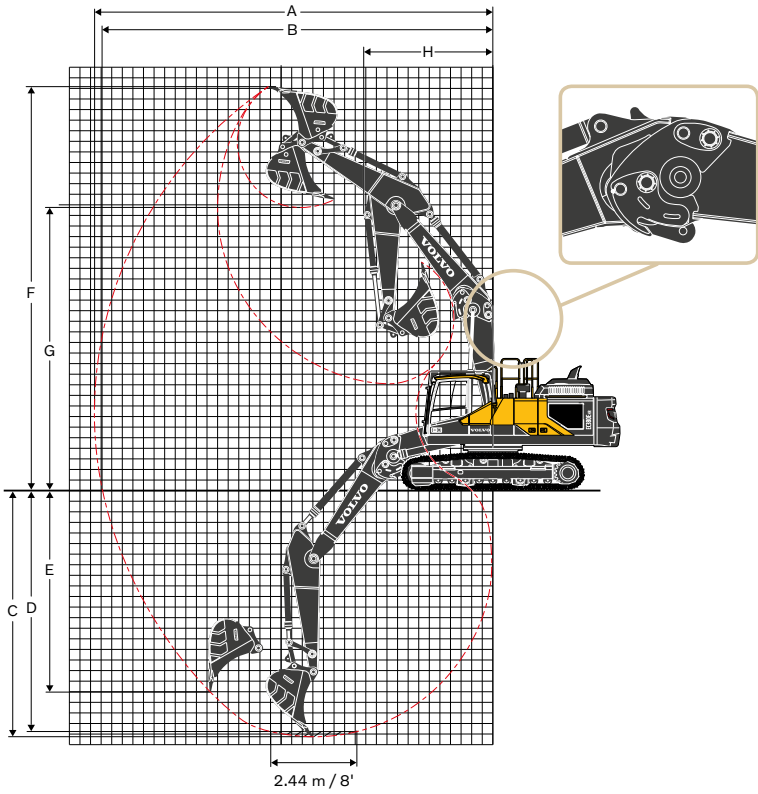
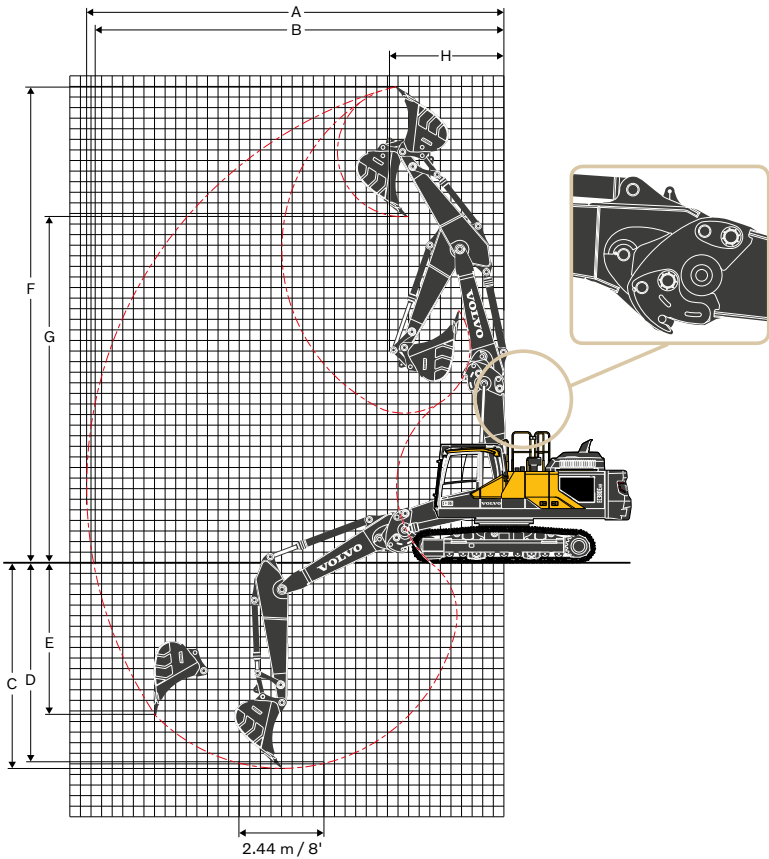
Boom Arm	Unit	EC380EHR				EC480EHR				EC750EHR	
		Straight & Straight Boom				Straight Boom				Straight Boom	
		3.2 m (10'6")		3.9 m (12'10")		3.35 m (11'0")		3.9 m (12'10")		4.2 m (13'9")	
A Overall length	mm ft in	14,580	47'10"	14,520	47'8"	16,075	52'9"	16,070	52'9"	183,11	60'1"
B Swing centre to front 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	

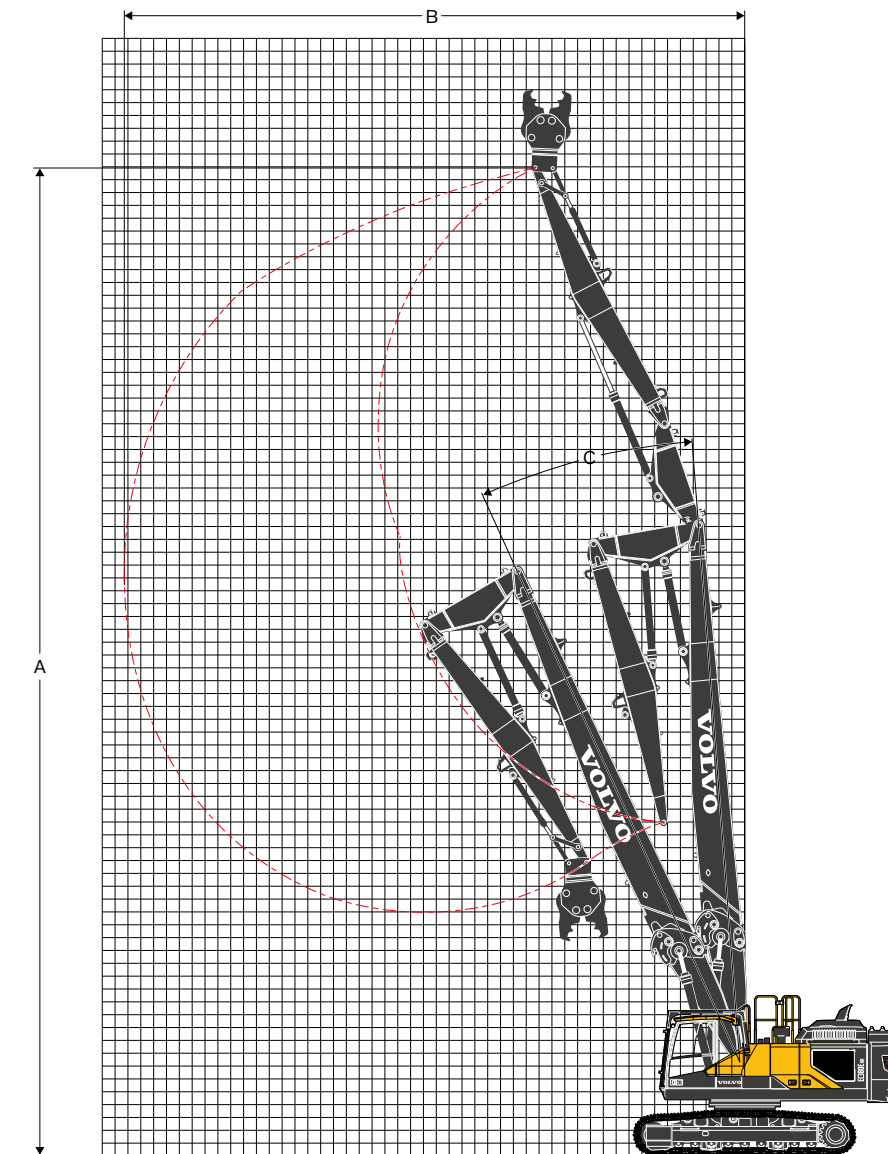
WORKING RANGES WITH BENT BOOM

			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

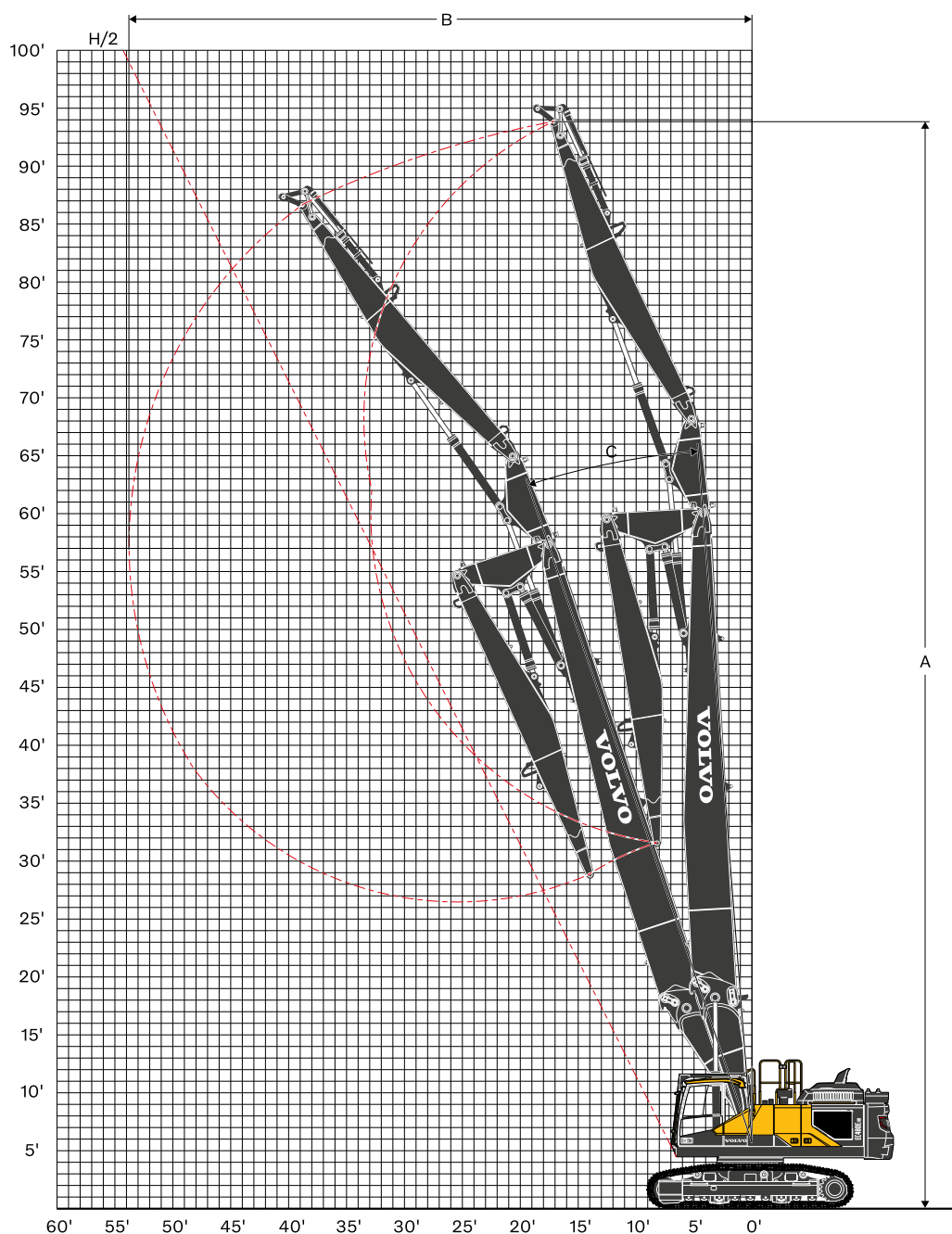
			EC380EHR				EC480EHR				EC750EHR	
Boom			Bent boom				Bent boom				Bent boom	
Arm			3.2 m (10'6")		3.9 m (12'10")		3.35 m (11'0")		3.9 m (12'10")		4.2 m (13'9")	
Bucket tip radius	mm	ft in	1,846	6'1"	1,846	6'1"	1,960	6'5"	1,960	6'5"	2,190	7'2"
Breakout force-bucket (Normal/Power boost) ISO	kN	lbf	201/219	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)

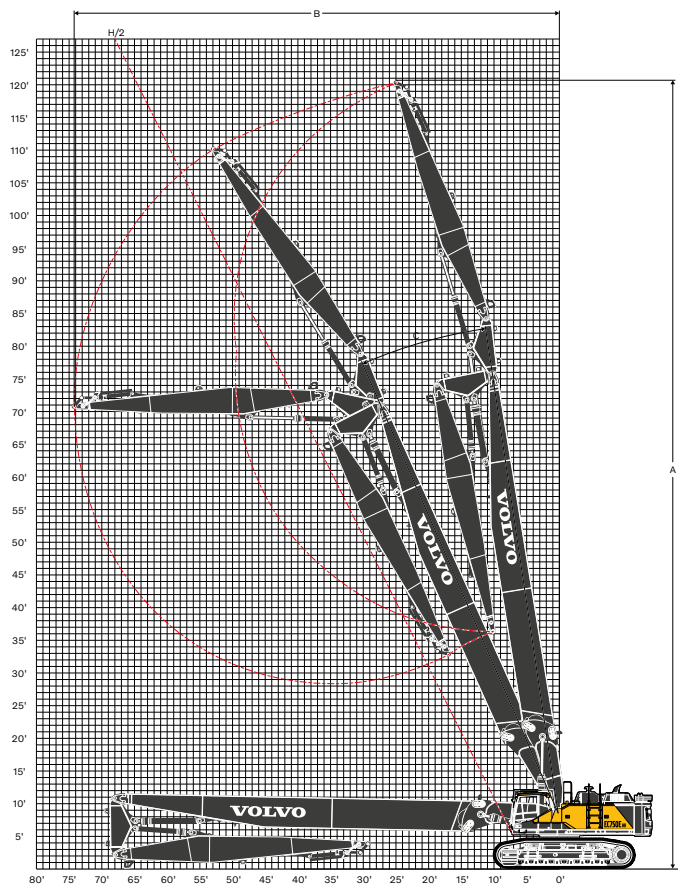
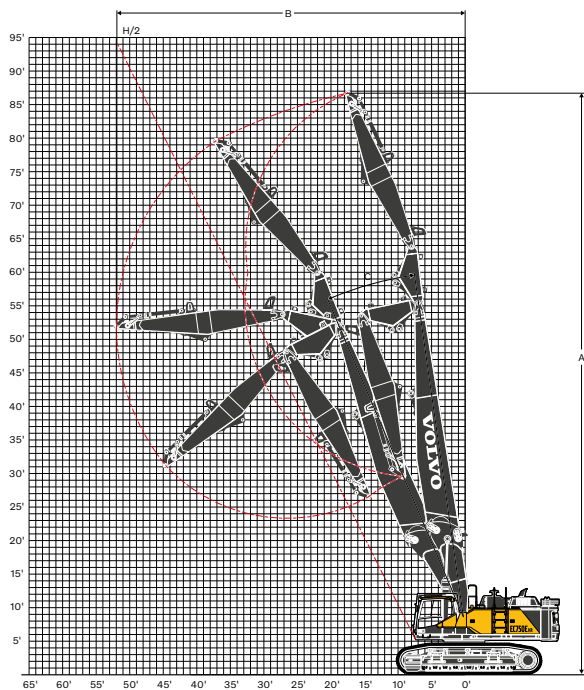
Description	Unit		EC380EHR			
			Undercarriage, fixed		Undercarriage hydraulically retractable	
A Maximum pin height	mm	ft in	23,025	75'6"	23,060	75'8"
Pin height H/2			20,354	66'9"	20,389	66'11"
B Maximum pin reach	mm	ft in	14,490	47'6"	14,490	47'6"
Pin reach H/2			11,390	37'4"	11,390	37'4"
Maximum 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)

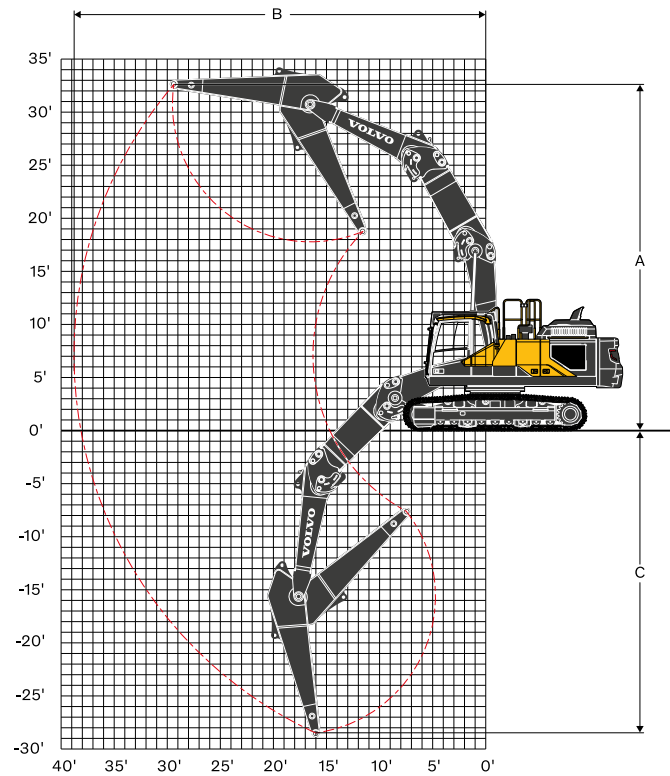
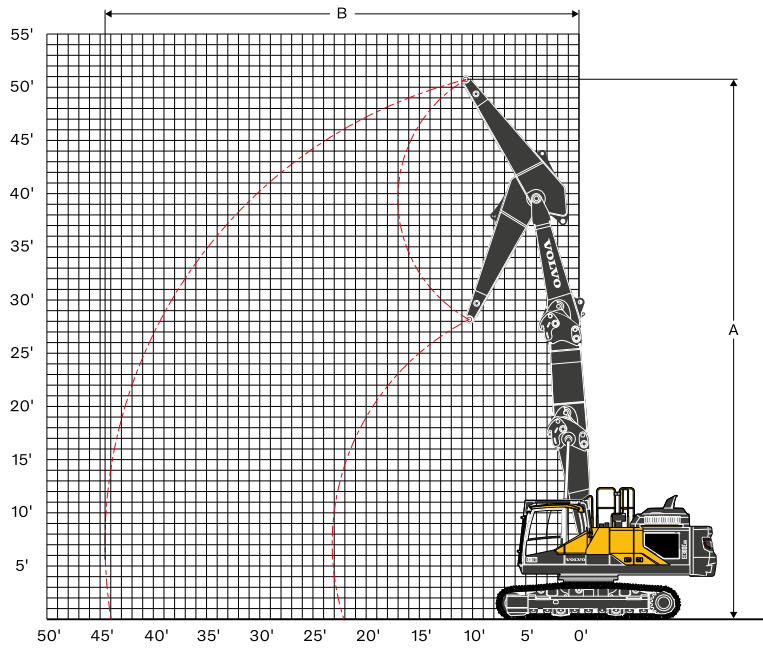
Description	Unit		EC480EHR					
			Undercarriage, fixed		Undercarriage mechanically retractable		Undercarriage hydraulically retractable	
A Maximum pin height	mm	ft in	28,030	92'0"	28,140	92'4"	28,140	92'4"
Pin height H/2			24,188	79'4"	24,298	79'9"	24,298	79'9"
B Maximum pin reach	mm	ft in	16,090	52'9"	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 reachH/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							

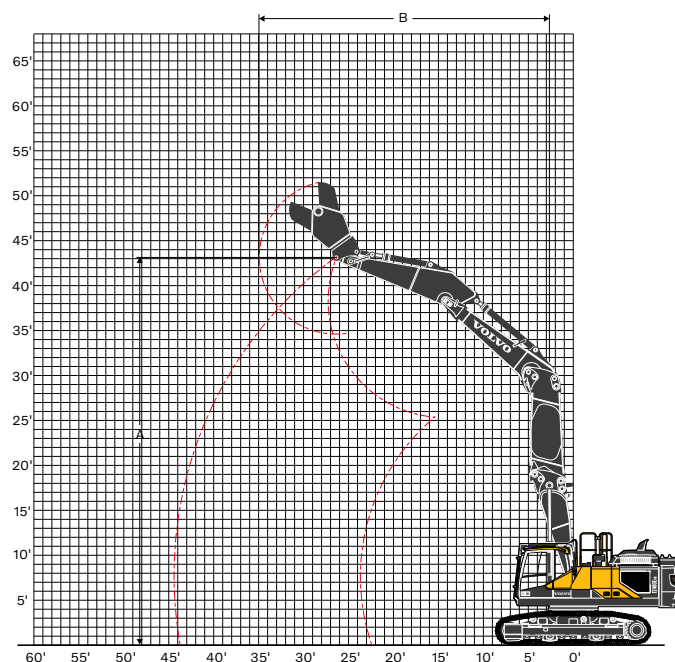
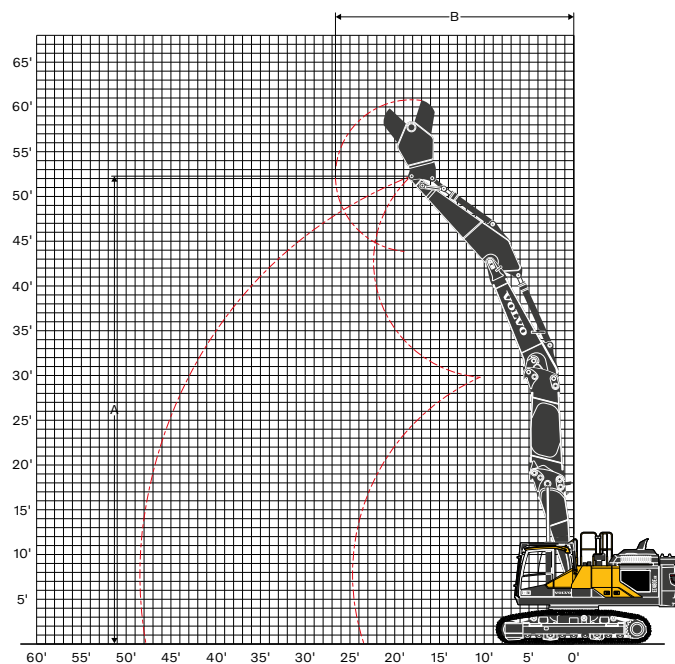


WORKING RANGES AND MAX. TOOL WEIGHT (machines with digging boom extension)

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"

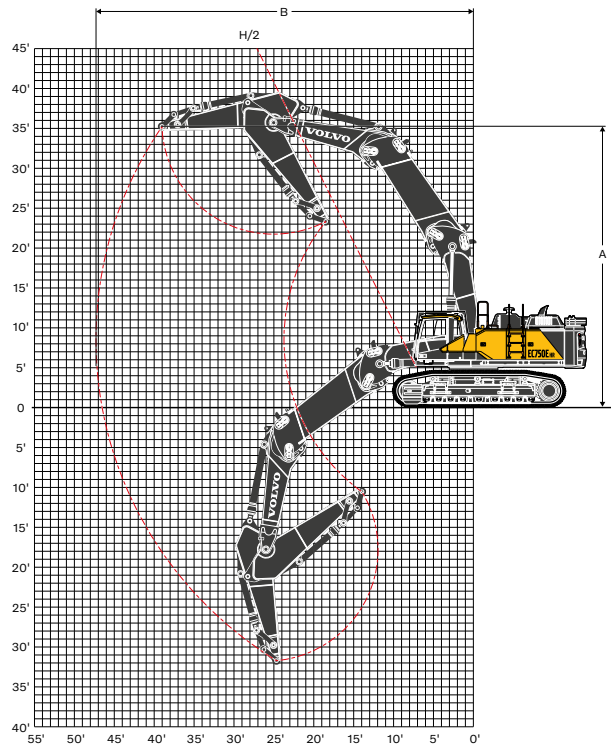
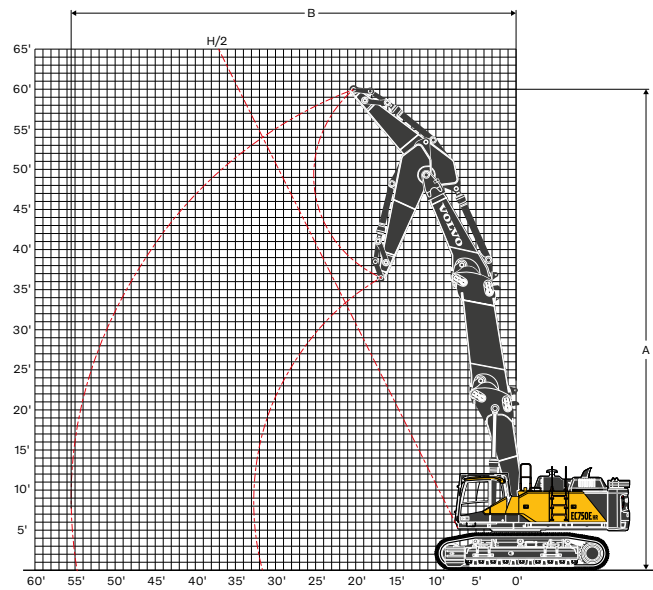
Specifications



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

EC480EHR

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	15775	51'9"	13025	42'9"
B	Maximum pin reach	mm	ft in	14560	47'9"	13330	43'9"
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	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									*9,030	*9,030					*5,730	*5,730	8.6 m
	25 ft lb									*19,908	*19,908					*12,632	*12,632	28.2 ft
	6.0 m kg									*10,190	*10,190	*7,430	*7,430			*5,570	*5,570	9.3 m
	20 ft lb									*22,465	*22,465	*16,380	*16,380			*12,280	*12,280	30.5 ft
	4.5 m kg					*15,310	*15,310	*12,560	*12,560	*10,990	*10,990	*9,560	9,010			*5,580	*5,580	9.8 m
	15 ft lb					*33,753	*33,753	*27,690	*27,690	*24,229	*24,229	*21,076	19,864			*12,302	*12,302	32.2 ft
	3.0 m kg					*19,220	*19,220	*14,460	*14,460	*12,000	11,650	*10,510	8,790			*5,760	*5,760	10.1 m
	10 ft lb					*42,373	*42,373	*31,879	*31,879	*26,455	25,684	*23,171	19,379			*12,699	*12,699	33.1 ft
	1.5 m kg					*22,270	*22,270	*16,150	15,640	*12,930	11,220	10,680	8,560			*6,110	*6,110	10.1 m
	5 ft lb					*49,097	*49,097	*35,605	34,480	*28,506	24,736	23,545	18,872			*13,470	*13,470	33.1 ft
	0.0 m kg			*9,000	*9,000	*23,500	*23,500	*17,140	15,070	*13,510	10,880	10,480	8,370			*6,690	*6,690	9.8 m
	0 ft lb			*19,842	*19,842	*51,809	*51,809	*37,787	33,224	*29,784	23,986	23,104	18,453			*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
	-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			*23,940	*23,940	*17,970	*17,970	*13,720	*13,720	*9,850	*9,850					*9,800	*9,800	7.5 m
	-15 ft lb			*52,779	*52,779	*39,617	*39,617	*30,247	*30,247	*21,716	*21,716					*21,605	*21,605	24.6 ft
Straight boom Arm 3.9 m (12'10") Shoe 600 mm (24") CWT & no Add. CWT	10.5 m kg							*9,680	*9,680							*7,470	*7,470	6.6 m
	35 ft lb							*21,341	*21,341							*16,469	*16,469	21.7 ft
	9.0 m kg							*9,630	*9,630	*9,020	*9,020					*6,410	*6,410	8.2 m
	30 ft lb							*21,230	*21,230	*19,886	*19,886					*14,132	*14,132	26.9 ft
	7.5 m kg							*9,280	*9,280	*9,680	*9,680	*7,540	*7,540			*5,890	*5,890	9.2 m
	25 ft lb							*20,459	*20,459	*21,341	*21,341	*16,623	*16,623			*12,985	*12,985	30.2 ft
	6.0 m kg					*8,790	*8,790	*9,980	*9,980	*10,400	*10,400	*9,520	8,960			*5,640	*5,640	10.0 m
	20 ft lb					*19,379	*19,379	*22,002	*22,002	*22,928	*22,928	*20,988	19,753			*12,434	*12,434	32.8 ft
	4.5 m kg					*16,300	*16,300	*13,530	*13,530	*12,360	11,720	*10,910	8,790			*5,550	*5,550	10.4 m
	15 ft lb					*35,935	*35,935	*29,829	*29,829	*27,249	25,838	*24,052	19,379			*12,236	*12,236	34.1 ft
	3.0 m kg							*16,530	15,840	*13,270	11,290	10,680	8,570	*7,160	6,740	*5,630	*5,630	10.6 m
	10 ft lb							*36,442	34,921	*29,255	24,890	23,545	18,894	*15,785	14,859	*12,412	*12,412	34.8 ft
	1.5 m kg							*17,280	15,130	*13,610	10,900	10,460	8,350	*7,610	6,670	*5,820	*5,820	10.7 m
	5 ft lb							*38,096	33,356	*30,005	24,030	23,060	18,409	*16,777	14,705	*12,831	*12,831	35.1 ft
	0.0 m kg					*15,390	*15,390	*17,060	14,680	*13,410	10,620	10,300	8,200			*6,180	*6,180	10.5 m
	0 ft lb					*33,929	*33,929	*37,611	32,364	*29,564	23,413	22,708	18,078			*13,625	*13,625	34.4 ft
	-1.5 m kg			*9,020	*9,020	*19,640	*19,640	*15,760	14,510	*12,450	10,490	*9,710	8,150			*6,780	*6,780	10.0 m
	-5 ft lb			*19,886	*19,886	*43,299	*43,299	*34,745	31,989	*27,448	23,126	*21,407	17,968			*14,947	*14,947	32.8 ft
	-3.0 m kg					*16,350	*16,350	*13,300	*13,300	*10,450	*10,450	*7,330	*7,330			*6,230	*6,230	9.3 m
	-10 ft lb					*36,046	*36,046	*29,321	*29,321	*23,038	*23,038	*16,160	*16,160			*13,735	*13,735	30.5 ft
	-4.5 m kg							*9,360	*9,360									8.3 m
	-15 ft lb							*20,635	*20,635									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	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along 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	7,180	*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	*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	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								*6,650	*6,650					*5,940	*5,940	10.1 m
	35 ft	lb								*14,661	*14,661					*13,095	*13,095	33.1 ft
	9.0 m	kg								*6,710	*6,710	*6,240	*6,240			*5,690	*5,690	11.1 m
	30 ft	lb								*14,793	*14,793	*13,757	*13,757			*12,544	*12,544	36.4 ft
	7.5 m	kg						*7,950	*7,950	*6,980	*6,980	*6,330	*6,330			*5,570	*5,570	11.9 m
	25 ft	lb						*17,527	*17,527	*15,388	*15,388	*13,955	*13,955			*12,280	*12,280	39.0 ft
	6.0 m	kg				*10,800	*10,800	*8,680	*8,680	*7,400	*7,400	*6,550	*6,550	*5,990	5,970	*5,570	5,490	12.5 m
	20 ft	lb				*23,810	*23,810	*19,136	*19,136	*16,314	*16,314	*14,440	*14,440	*13,206	13,162	*12,280	12,103	41.0 ft
	4.5 m	kg						*9,490	*9,490	*7,870	*7,870	*6,830	*6,830	*6,110	5,800	*5,660	5,080	12.9 m
	15 ft	lb						*20,922	*20,922	*17,350	*17,350	*15,058	*15,058	*13,470	12,787	*12,478	11,199	42.3 ft
	3.0 m	kg						*10,210	*10,210	*8,320	*8,320	*7,100	6,910	*6,250	5,600	*5,790	4,840	13.0 m
	10 ft	lb						*22,509	*22,509	*18,342	*18,342	*15,653	15,234	*13,779	12,346	*12,765	10,670	42.7 ft
	1.5 m	kg						*10,670	10,470	*8,660	8,210	*7,320	6,610	*6,360	5,410	*5,790	4,730	13.1 m
	5 ft	lb						*23,523	23,082	*19,092	18,100	*16,138	14,573	*14,021	11,927	*12,765	10,428	43.0 ft
	0.0 m	kg						*10,800	10,090	*8,810	7,890	*7,420	6,390	*6,370	5,270	*5,800	4,750	12.9 m
	0 ft	lb						*23,810	22,245	*19,423	17,394	*16,358	14,088	*14,043	11,618	*12,787	10,472	42.3 ft
	-1.5 m	kg				*11,860	*11,860	*10,620	9,920	*8,750	7,720	*7,350	6,250	*6,220	5,200	*5,800	4,900	12.5 m
	-5 ft	lb				*26,147	*26,147	*23,413	21,870	*19,290	17,020	*16,204	13,779	*13,713	11,464	*12,787	10,803	41.0 ft
	-3.0 m	kg			*9,690	*9,690	*12,190	*12,190	*10,140	9,910	*8,430	7,670	*7,050	6,220		*5,760	5,240	12.0 m
	-10 ft	lb			*21,363	*21,363	*26,874	*26,874	*22,355	21,848	*18,585	16,909	*15,543	13,713		*12,699	11,552	39.4 ft
	-4.5 m	kg			*12,670	*12,670	*11,060	*11,060	*9,320	*9,320	*7,780	7,750	*6,390	6,310		*5,630	*5,630	11.2 m
	-15 ft	lb			*27,933	*27,933	*24,383	*24,383	*20,547	*20,547	*17,152	17,086	*14,088	13,911		*12,412	*12,412	36.7 ft
	-6.0 m	kg			*10,710	*10,710	*9,460	*9,460	*8,040	*8,040	*6,620	*6,620				*5,330	*5,330	10.2 m
	-20 ft	lb			*23,611	*23,611	*20,856	*20,856	*17,725	*17,725	*14,595	*14,595				*11,751	*11,751	33.5 ft
	-7.5 m	kg				*7,120	*7,120	*5,970	*5,970							*4,610	*4,610	8.7 m
	-25 ft	lb				*15,697	*15,697	*13,162	*13,162							*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								*6,080	*6,080	*5,820	*5,820			*5,580	*5,580	10.6 m
	25 ft	lb								*13,404	*13,404	*12,831	*12,831			*12,302	*12,302	34.8 ft
	6.0 m	kg						*7,350	*7,350	*6,520	*6,520	*6,020	*6,020			*5,710	*5,710	11.3 m
	20 ft	lb						*16,204	*16,204	*14,374	*14,374	*13,272	*13,272			*12,588	*12,588	37.1 ft
	4.5 m	kg				*10,480	*10,480	*8,300	*8,300	*7,080	*7,080	*6,340	*6,340			*5,970	*5,970	11.7 m
	15 ft	lb				*23,104	*23,104	*18,298	*18,298	*15,609	*15,609	*13,977	*13,977			*13,162	*13,162	38.4 ft
	3.0 m	kg				*12,180	*12,180	*9,280	*9,280	*7,690	*7,690	*6,720	*6,720			*6,170	5,940	11.9 m
	10 ft	lb				*26,852	*26,852	*20,459	*20,459	*16,954	*16,954	*14,815	*14,815			*13,603	13,095	39.0 ft
	1.5 m	kg				*13,380	*13,380	*10,120	*10,120	*8,250	*8,250	*7,090	6,960			*6,380	5,730	11.9 m
	5 ft	lb				*29,498	*29,498	*22,311	*22,311	*18,188	*18,188	*15,631	15,344			*14,065	12,632	39.0 ft
	0.0 m	kg				*13,940	*13,940	*10,690	10,670	*8,690	8,320	*7,380	6,690			*6,650	5,700	11.7 m
	0 ft	lb				*30,732	*30,732	*23,567	23,523	*19,158	18,342	*16,270	14,749			*14,661	12,566	38.4 ft
	-1.5 m	kg			*11,730	*11,730	*14,030	*14,030	*10,960	10,340	*8,940	8,050	*7,540	6,500		*6,960	5,860	11.3 m
	-5 ft	lb			*25,860	*25,860	*30,931	*30,931	*24,163	22,796	*19,709	17,747	*16,623	14,330		*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	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										*9,310	*9,310				*7,520	*7,520	9.3 m
	25 ft	lb										*20,525	*20,525				*16,579	*16,579	30.5 ft
	6.0 m	kg								*11,820	*11,820	*11,240	*11,240				*7,430	*7,430	10.0 m
	20 ft	lb								*26,059	*26,059	*24,780	*24,780				*16,380	*16,380	32.8 ft
	4.5 m	kg							*15,320	*15,320	*13,160	*13,160	*11,920	11,470			*7,540	*7,540	10.4 m
	15 ft	lb							*33,775	*33,775	*29,013	*29,013	*26,279	25,287			*16,623	*16,623	34.1 ft
	3.0 m	kg					*25,080	*25,080	*18,080	*18,080	*14,700	14,620	*12,790	11,100	*8,940	8,720	*7,850	*7,850	10.6 m
	10 ft	lb					*55,292	*55,292	*39,860	*39,860	*32,408	32,232	*28,197	24,471	*19,709	19,224	*17,306	*17,306	34.8 ft
	1.5 m	kg					*21,910	*21,910	*20,420	19,380	*16,120	14,010	*13,630	10,750	*9,400	8,540	*8,370	*8,370	10.6 m
	5 ft	lb					*48,303	*48,303	*45,018	42,726	*35,538	30,887	*30,049	23,700	*20,723	18,827	*18,453	*18,453	34.8 ft
	0.0 m	kg			*8,450	*8,450	*22,190	*22,190	*21,870	18,690	*17,140	13,560	13,560	10,480			*9,210	8,590	10.3 m
	0 ft	lb			*18,629	*18,629	*48,921	*48,921	*48,215	41,204	*37,787	29,895	29,895	23,104			*20,305	18,938	33.8 ft
	-1.5 m	kg	*10,980	*10,980	*15,030	*15,030	*27,700	*27,700	*22,310	18,350	17,460	13,300	13,400	10,320			*10,540	9,110	9.9 m
	-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	20,084	32.5 ft
	-3.0 m	kg	*17,290	*17,290	*22,480	*22,480	*28,670	*28,670	*21,690	18,300	*17,100	13,240	13,420	10,340			*12,830	10,160	9.1 m
	-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	22,399	29.9 ft
	-4.5 m	kg			*32,210	*32,210	*25,680	*25,680	*19,710	18,520	*15,260	13,440					*13,700	12,270	8.0 m
	-15 ft	lb			*71,011	*71,011	*56,615	*56,615	*43,453	40,830	*33,643	29,630					*30,203	27,051	26.2 ft
	-6.0 m	kg					*20,180	*20,180	*15,100	*15,100							*13,650	*13,650	6.4 m
	-20 ft	lb					*44,489	*44,489	*33,290	*33,290							*30,093	*30,093	21.0 ft
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	*8,570	7.9 m
	35 ft	lb								*24,185	*24,185						*18,894	*18,894	25.9 ft
	9.0 m	kg								*12,320	*12,320	*9,600	*9,600				*7,730	*7,730	9.2 m
	30 ft	lb								*27,161	*27,161	*21,164	*21,164				*17,042	*17,042	30.2 ft
	7.5 m	kg							*12,200	*12,200	*12,880	*12,880	*12,170	11,590			*7,300	*7,300	10.2 m
	25 ft	lb							*26,896	*26,896	*28,396	*28,396	*26,830	25,552			*16,094	*16,094	33.5 ft
	6.0 m	kg					*14,580	*14,580	*14,860	*14,860	*14,630	*14,630	*12,960	11,370	*9,770	8,780	*7,090	*7,090	10.8 m
	20 ft	lb					*32,143	*32,143	*32,761	*32,761	*32,254	*32,254	*28,572	25,067	*21,539	19,357	*15,631	*15,631	35.4 ft
	4.5 m	kg							*19,200	*19,200	*15,690	14,620	*13,480	11,050	11,100	8,650	*7,070	*7,070	11.2 m
	15 ft	lb							*42,329	*42,329	*34,590	32,232	*29,718	24,361	24,471	19,070	*15,587	*15,587	36.7 ft
	3.0 m	kg							*21,080	19,400	*16,700	13,980	13,790	10,690	10,910	8,470	*7,200	*7,200	11.4 m
	10 ft	lb							*46,473	42,770	*36,817	30,821	30,402	23,567	24,052	18,673	*15,873	*15,873	37.4 ft
	1.5 m	kg							*22,100	18,500	*17,340	13,440	13,450	10,370	10,730	8,310	*7,480	7,410	11.4 m
	5 ft	lb							*48,722	40,785	*38,228	29,630	29,652	22,862	23,656	18,320	*16,491	16,336	37.4 ft
	0.0 m	kg					*11,880	*11,880	*21,970	18,020	17,230	13,090	13,220	10,150	10,620	8,200	*7,950	7,580	11.1 m
	0 ft	lb					*26,191	*26,191	*48,436	39,727	37,986	28,858	29,145	22,377	23,413	18,078	*17,527	16,711	36.4 ft
	-1.5 m	kg					*17,680	*17,680	*20,710	17,870	*16,590	12,930	13,120	10,060	*10,450	8,210	*8,710	8,030	10.7 m
	-5 ft	lb					*38,978	*38,978	*45,658	39,397	*36,575	28,506	28,925	22,178	*23,038	18,100	*19,202	17,703	35.1 ft
	-3.0 m	kg					*22,290	*22,290	*18,340	17,980	*14,850	12,980	*11,730	10,120			*9,030	8,880	10.0 m
	-10 ft	lb					*49,141	*49,141	*40,433	39,639	*32,739	28,616	*25,860	22,311			*19,908	19,577	32.8 ft
-4.5 m	kg							*14,620	*14,620	*11,710	*11,710							9.0 m	
-15 ft	lb							*32,232	*32,232	*25,816	*25,816							29.5 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 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	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.
Straight boom Arm 3.9 m (12'10") Shoe 600 mm (24") CWT & Add. CWT	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	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	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	*11,490	*9,750	8,870	*8,460	7,160	*7,400	5,800	*6,990	5,320	14.1 m
	20 ft lb					*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
	4.5 m kg					*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 Arm 3.9 m (12'10") Shoe 600 mm (24") CWT & Add. CWT	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.

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	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.
Bent boom Arm 4.2 m (13'9") Shoe 900 mm (36") Hyd. Removal CWT & no Add. CWT	10.5 m kg															*11,030	*11,030	8.3 m
	35 ft lb															*24,317	*24,317	27.2 ft
	9 m kg									*13,480	*13,480					*10,330	*10,330	9.5 m
	30 ft lb									*29,718	*29,718					*22,774	*22,774	31.2 ft
	7.5 m kg									*16,280	*16,280					*10,030	*10,030	10.4 m
	25 ft lb									*35,891	*35,891					*22,112	*22,112	34.1 ft
	6 m kg							*21,010	*21,010	*18,880	*18,880	*13,860	*13,860			*10,000	*10,000	11.0 m
	20 ft lb							*46,319	*46,319	*41,623	*41,623	*30,556	*30,556			*22,046	*22,046	36.1 ft
	4.5 m kg			*40,660	*40,660	*30,390	*30,390	*24,910	*24,910	*21,510	*21,510	*16,830	16,570			*10,180	*10,180	11.3 m
	15 ft lb			*89,640	*89,640	*66,998	*66,998	*54,917	*54,917	*47,421	*47,421	*37,104	36,531			*22,443	*22,443	37.1 ft
	3 m kg					*33,680	*33,680	*26,770	*26,770	*22,550	20,630	*19,610	15,910			*10,600	*10,600	11.5 m
	10 ft lb					*74,252	*74,252	*59,018	*59,018	*49,714	45,481	*43,233	35,076			*23,369	*23,369	37.7 ft
	1.5 m kg					*35,820	*35,820	*28,140	25,930	*23,330	19,540	19,220	15,260			*11,280	*11,280	11.5 m
	5 ft lb					*78,969	*78,969	*62,038	57,166	*51,434	43,078	42,373	33,643			*24,868	*24,868	37.7 ft
	0 m kg			*23,020	*23,020	*36,370	34,780	*28,680	24,580	*23,590	18,660	18,660	14,730			*12,320	*12,320	11.2 m
	0 ft lb			*50,750	*50,750	*80,182	76,677	*63,229	54,190	*52,007	41,138	41,138	32,474			*27,161	*27,161	36.7 ft
	-1.5 m kg	*17,320	*17,320	*30,250	*30,250	*35,370	33,760	*28,190	23,750	*23,070	18,080	18,330	14,410			*13,900	*13,900	10.8 m
	-5 ft lb	*38,184	*38,184	*66,690	*66,690	*77,977	74,428	*62,148	52,360	*50,861	39,860	40,411	31,769			*30,644	*30,644	35.4 ft
	-3 m kg	*26,390	*26,390	*40,850	*40,850	*32,840	*32,840	*26,420	23,410	*21,360	17,870					*16,470	15,300	10.1 m
	-10 ft lb	*58,180	*58,180	*90,059	*90,059	*72,400	*72,400	*58,246	51,610	*47,091	39,397					*36,310	33,731	33.1 ft
	-4.5 m kg	*37,440	*37,440	*35,150	*35,150	*28,460	*28,460	*22,860	*22,860	*17,340						*17,070	*17,070	9.1 m
	-15 ft lb	*82,541	*82,541	*77,492	*77,492	*62,743	*62,743	*50,398	*50,398	*38,228	*38,228					*37,633	*37,633	29.9 ft
	-6 m kg					*21,180	*21,180	*15,700	*15,700									7.6 m
	-20 ft lb					*46,694	*46,694	*34,613	*34,613									24.9 ft
Straight boom Arm 4.2 m (13'9") Shoe 900 mm (36") Hyd. Removal CWT & no Add. CWT	13.5 m kg															*16,030	*16,030	5.7 m
	45 ft lb															*35,340	*35,340	18.7 ft
	12 m kg							*15,460	*15,460							*12,820	*12,820	8.0 m
	40 ft lb							*34,083	*34,083							*28,263	*28,263	26.2 ft
	10.5 m kg							*16,230	*16,230	*14,450	*14,450					*11,370	*11,370	9.5 m
	35 ft lb							*35,781	*35,781	*31,857	*31,857					*25,067	*25,067	31.2 ft
	9 m kg							*16,080	*16,080	*16,170	*16,170	*11,340	*11,340			*10,590	*10,590	10.6 m
	30 ft lb							*35,450	*35,450	*35,649	*35,649	*25,000	*25,000			*23,347	*23,347	34.8 ft
	7.5 m kg					*15,940	*15,940	*17,110	*17,110	*17,300	*17,300	*15,450	*15,450			*10,180	*10,180	11.3 m
	25 ft lb					*35,142	*35,142	*37,721	*37,721	*38,140	*38,140	*34,061	*34,061			*22,443	*22,443	37.1 ft
	6 m kg					*22,910	*22,910	*21,010	*21,010	*19,700	*19,700	*17,580	15,940			*9,990	*9,990	11.9 m
	20 ft lb					*50,508	*50,508	*46,319	*46,319	*43,431	*43,431	*38,757	35,142			*22,024	*22,024	39.0 ft
	4.5 m kg					*34,970	*34,970	*27,870	27,010	*23,290	19,970	19,270	15,360	*12,910	12,010	*10,000	*10,000	12.2 m
	15 ft lb					*77,096	*77,096	*61,443	59,547	*51,346	44,026	42,483	33,863	*28,462	26,477	*22,046	*22,046	40.0 ft
	3 m kg					*36,300	35,670	*28,600	25,130	*23,580	18,880	18,610	14,720	14,870	11,720	*10,220	*10,220	12.4 m
	10 ft lb					*80,028	78,639	*63,052	55,402	*51,985	41,623	41,028	32,452	32,783	25,838	*22,531	*22,531	40.7 ft
	1.5 m kg					*34,430	33,290	*28,480	23,630	22,930	17,950	18,020	14,160	14,600	11,460	*10,610	*10,610	12.3 m
	5 ft lb					*75,905	73,392	*62,788	52,095	50,552	39,573	39,727	31,217	32,187	25,265	*23,391	*23,391	40.4 ft
	0 m kg					*33,050	32,120	*27,250	22,670	22,230	17,290	17,600	13,760	*13,370	11,320	*11,240	11,190	12.1 m
	0 ft lb					*72,863	70,812	*60,076	49,979	49,009	38,118	38,801	30,336	*29,476	24,956	*24,780	24,670	39.7 ft
	-1.5 m kg			*17,550	*17,550	*29,750	*29,750	*24,810	22,240	*20,450	16,960	*16,460	13,590			*12,190	11,810	11.7 m
	-5 ft lb			*38,691	*38,691	*65,587	*65,587	*54,697	49,031	*45,084	37,390	*36,288	29,961			*26,874	26,037	38.4 ft
	-3 m kg			*26,470	*26,470	*24,610	*24,610	*21,040	*21,040	*17,240	16,980	*12,910	*12,910			*10,420	*10,420	11.0 m
	-10 ft lb			*58,356	*58,356	*54,256	*54,256	*46,385	*46,385	*38,008	37,434	*28,462	*28,462			*22,972	*22,972	36.1 ft
	-4.5 m kg							*15,580	*15,580	*12,110	*12,110							10.1 m
	-15 ft lb							*34,348	*34,348	*26,698	*26,698							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.

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	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.
Bent boom Arm 4.2 m (13'9") Shoe 750 mm (30") Hyd. Removal CWT & no Add. CWT	10.5 m kg															*11,030	*11,030	8.3 m
	35 ft lb															*24,317	*24,317	27.2 ft
	9 m kg									*13,480	*13,480					*10,330	*10,330	9.5 m
	30 ft lb									*29,718	*29,718					*22,774	*22,774	31.2 ft
	7.5 m kg									*16,280	*16,280					*10,030	*10,030	10.4 m
	25 ft lb									*35,891	*35,891					*22,112	*22,112	34.1 ft
	6 m kg							*21,010	*21,010	*18,880	*18,880	*13,860	*13,860			*10,000	*10,000	11.0 m
	20 ft lb							*46,319	*46,319	*41,623	*41,623	*30,556	*30,556			*22,046	*22,046	36.1 ft
	4.5 m kg			*40,660	*40,660	*30,390	*30,390	*24,910	*24,910	*21,510	*21,510	*16,830	16,340			*10,180	*10,180	11.3 m
	15 ft lb			*89,640	*89,640	*66,998	*66,998	*54,917	*54,917	*47,421	*47,421	*37,104	36,023			*22,443	*22,443	37.1 ft
	3 m kg					*33,680	*33,680	*26,770	*26,770	*22,550	20,340	19,600	15,680			*10,600	*10,600	11.5 m
	10 ft lb					*74,252	*74,252	*59,018	*59,018	*49,714	44,842	43,211	34,568			*23,369	*23,369	37.7 ft
	1.5 m kg					*35,820	*35,820	*28,140	25,550	*23,330	19,250	18,920	15,020			*11,280	*11,280	11.5 m
	5 ft lb					*78,969	*78,969	*62,038	56,328	*51,434	42,439	41,711	33,113			*24,868	*24,868	37.7 ft
	0 m kg			*23,020	*23,020	*36,370	34,250	*28,680	24,200	23,370	18,370	18,360	14,490			*12,320	*12,320	11.2 m
	0 ft lb			*50,750	*50,750	*80,182	75,508	*63,229	53,352	51,522	40,499	40,477	31,945			*27,161	*27,161	36.7 ft
	-1.5 m kg	*17,320	*17,320	*30,250	*30,250	*35,370	33,230	*28,190	23,370	22,760	17,790	18,030	14,170			*13,900	13,680	10.8 m
	-5 ft lb	*38,184	*38,184	*66,690	*66,690	*77,977	73,260	*62,148	51,522	50,177	39,220	39,749	31,239			*30,644	30,159	35.4 ft
	-3 m kg	*26,390	*26,390	*40,850	*40,850	*32,840	*32,840	*26,420	23,040	*21,360	17,580					*16,470	15,050	10.1 m
	-10 ft lb	*58,180	*58,180	*90,059	*90,059	*72,400	*72,400	*58,246	50,794	*47,091	38,757					*36,310	33,180	33.1 ft
	-4.5 m kg	*37,440	*37,440	*35,150	*35,150	*28,460	*28,460	*22,860	*22,860	*17,340						*17,070	*17,070	9.1 m
	-15 ft lb	*82,541	*82,541	*77,492	*77,492	*62,743	*62,743	*50,398	*50,398	*38,228	*38,228					*37,633	*37,633	29.9 ft
	-6 m kg					*21,180	*21,180	*15,700	*15,700									7.6 m
	-20 ft lb					*46,694	*46,694	*34,613	*34,613									24.9 ft
Straight boom Arm 4.2 m (13'9") Shoe 750 mm (30") Hyd. Removal CWT & no Add. CWT	13.5 m kg															*16,030	*16,030	5.7 m
	45 ft lb															*35,340	*35,340	18.7 ft
	12 m kg							*15,460	*15,460							*12,820	*12,820	8.0 m
	40 ft lb							*34,083	*34,083							*28,263	*28,263	26.2 ft
	10.5 m kg							*16,230	*16,230	*14,450	*14,450					*11,370	*11,370	9.5 m
	35 ft lb							*35,781	*35,781	*31,857	*31,857					*25,067	*25,067	31.2 ft
	9 m kg							*16,080	*16,080	*16,170	*16,170	*11,340	*11,340			*10,590	*10,590	10.6 m
	30 ft lb							*35,450	*35,450	*35,649	*35,649	*25,000	*25,000			*23,347	*23,347	34.8 ft
	7.5 m kg					*15,940	*15,940	*17,110	*17,110	*17,300	*17,300	*15,450	*15,450			*10,180	*10,180	11.3 m
	25 ft lb					*35,142	*35,142	*37,721	*37,721	*38,140	*38,140	*34,061	*34,061			*22,443	*22,443	37.1 ft
	6 m kg					*22,910	*22,910	*21,010	*21,010	*19,700	*19,700	*17,580	15,940			*9,990	*9,990	11.9 m
	20 ft lb					*50,508	*50,508	*46,319	*46,319	*43,431	*43,431	*38,757	35,142			*22,024	*22,024	39.0 ft
	4.5 m kg					*34,970	*34,970	*27,870	27,010	*23,290	19,970	19,270	15,360	*12,910	12,010	*10,000	*10,000	12.2 m
	15 ft lb					*77,096	*77,096	*61,443	59,547	*51,346	44,026	42,483	33,863	*28,462	26,477	*22,046	*22,046	40.0 ft
	3 m kg					*36,300	35,670	*28,600	25,130	*23,580	18,880	18,610	14,720	14,870	11,720	*10,220	*10,220	12.4 m
	10 ft lb					*80,028	78,639	*63,052	55,402	*51,985	41,623	41,028	32,452	32,783	25,838	*22,531	*22,531	40.7 ft
	1.5 m kg					*34,430	33,290	*28,480	23,630	22,930	17,950	18,020	14,160	14,600	11,460	*10,610	*10,610	12.3 m
	5 ft lb					*75,905	73,392	*62,788	52,095	50,552	39,573	39,727	31,217	32,187	25,265	*23,391	*23,391	40.4 ft
	0 m kg					*33,050	32,120	*27,250	22,670	22,230	17,290	17,600	13,760	*13,370	11,320	*11,240	11,190	12.1 m
	0 ft lb					*72,863	70,812	*60,076	49,979	49,009	38,118	38,801	30,336	*29,476	24,956	*24,780	24,670	39.7 ft
	-1.5 m kg			*17,550	*17,550	*29,750	*29,750	*24,810	22,240	*20,450	16,960	*16,460	13,590			*12,190	11,810	11.7 m
	-5 ft lb			*38,691	*38,691	*65,587	*65,587	*54,697	49,031	*45,084	37,390	*36,288	29,961			*26,874	26,037	38.4 ft
	-3 m kg			*26,470	*26,470	*24,610	*24,610	*21,040	*21,040	*17,240	16,980	*12,910	*12,910			*10,420	*10,420	11.0 m
	-10 ft lb			*58,356	*58,356	*54,256	*54,256	*46,385	*46,385	*38,008	37,434	*28,462	*28,462			*22,972	*22,972	36.1 ft
	-4.5 m kg							*15,580	*15,580	*12,110	*12,110							10.1 m
	-15 ft lb							*34,348	*34,348	*26,698	*26,698							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.

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	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.
Bent boom Arm 4.2 m (13'9") Shoe 650 mm (26") Hyd. Removal CWT & no Add. CWT	10.5 m kg															*11,030	*11,030	8.3 m
	35 ft lb															*24,317	*24,317	27.2 ft
	9 m kg									*13,480	*13,480					*10,330	*10,330	9.5 m
	30 ft lb									*29,718	*29,718					*22,774	*22,774	31.2 ft
	7.5 m kg									*16,280	*16,280					*10,030	*10,030	10.4 m
	25 ft lb									*35,891	*35,891					*22,112	*22,112	34.1 ft
	6 m kg							*21,010	*21,010	*18,880	*18,880	*13,860	*13,860			*10,000	*10,000	11.0 m
	20 ft lb							*46,319	*46,319	*41,623	*41,623	*30,556	*30,556			*22,046	*22,046	36.1 ft
	4.5 m kg			*40,660	*40,660	*30,390	*30,390	*24,910	*24,910	*21,510	21,310	*16,830	16,180			*10,180	*10,180	11.3 m
	15 ft lb			*89,640	*89,640	*66,998	*66,998	*54,917	*54,917	*47,421	46,980	*37,104	35,671			*22,443	*22,443	37.1 ft
	3 m kg					*33,680	*33,680	*26,770	*26,770	*22,550	20,150	19,400	15,520			*10,600	*10,600	11.5 m
	10 ft lb					*74,252	*74,252	*59,018	*59,018	*49,714	44,423	42,770	34,216			*23,369	*23,369	37.7 ft
	1.5 m kg					*35,820	*35,820	*28,140	25,300	*23,330	19,050	18,720	14,860			*11,280	*11,280	11.5 m
	5 ft lb					*78,969	*78,969	*62,038	55,777	*51,434	41,998	41,270	32,761			*24,868	*24,868	37.7 ft
	0 m kg			*23,020	*23,020	*36,370	33,900	*28,680	23,950	23,120	18,170	18,160	14,330			*12,320	*12,320	11.2 m
	0 ft lb			*50,750	*50,750	*80,182	74,737	*63,229	52,801	50,971	40,058	40,036	31,592			*27,161	*27,161	36.7 ft
	-1.5 m kg	*17,320	*17,320	*30,250	*30,250	*35,370	32,880	*28,190	23,120	22,510	17,590	17,840	14,010			*13,900	13,530	10.8 m
	-5 ft lb	*38,184	*38,184	*66,690	*66,690	*77,977	72,488	*62,148	50,971	49,626	38,779	39,330	30,887			*30,644	29,829	35.4 ft
	-3 m kg	*26,390	*26,390	*40,850	*40,850	*32,840	32,580	*26,420	22,790	*21,360	17,380					*16,470	14,880	10.1 m
	-10 ft lb	*58,180	*58,180	*90,059	*90,059	*72,400	71,827	*58,246	50,243	*47,091	38,316					*36,310	32,805	33.1 ft
	-4.5 m kg	*37,440	*37,440	*35,150	*35,150	*28,460	*28,460	*22,860	*22,860	*17,340						*17,070	*17,070	9.1 m
	-15 ft lb	*82,541	*82,541	*77,492	*77,492	*62,743	*62,743	*50,398	*50,398	*38,228	*38,228					*37,633	*37,633	29.9 ft
	-6 m kg					*21,180	*21,180	*15,700	*15,700									7.6 m
	-20 ft lb					*46,694	*46,694	*34,613	*34,613									24.9 ft
Straight boom Arm 4.2 m (13'9") Shoe 650 mm (26") Hyd. Removal CWT & no Add. CWT	13.5 m kg															*16,030	*16,030	5.7 m
	45 ft lb															*35,340	*35,340	18.7 ft
	12 m kg							*15,460	*15,460							*12,820	*12,820	8.0 m
	40 ft lb							*34,083	*34,083							*28,263	*28,263	26.2 ft
	10.5 m kg							*16,230	*16,230	*14,450	*14,450					*11,370	*11,370	9.5 m
	35 ft lb							*35,781	*35,781	*31,857	*31,857					*25,067	*25,067	31.2 ft
	9 m kg							*16,080	*16,080	*16,170	*16,170	*11,340	*11,340			*10,590	*10,590	10.6 m
	30 ft lb							*35,450	*35,450	*35,649	*35,649	*25,000	*25,000			*23,347	*23,347	34.8 ft
	7.5 m kg					*15,940	*15,940	*17,110	*17,110	*17,300	*17,300	*15,450	*15,450			*10,180	*10,180	11.3 m
	25 ft lb					*35,142	*35,142	*37,721	*37,721	*38,140	*38,140	*34,061	*34,061			*22,443	*22,443	37.1 ft
	6 m kg					*22,910	*22,910	*21,010	*21,010	*19,700	*19,700	*17,580	15,780			*9,990	*9,990	11.9 m
	20 ft lb					*50,508	*50,508	*46,319	*46,319	*43,431	*43,431	*38,757	34,789			*22,024	*22,024	39.0 ft
	4.5 m kg					*34,970	*34,970	*27,870	26,750	*23,290	19,780	19,070	15,200	*12,910	11,870	*10,000	*10,000	12.2 m
	15 ft lb					*77,096	*77,096	*61,443	58,974	*51,346	43,607	42,042	33,510	*28,462	26,169	*22,046	*22,046	40.0 ft
	3 m kg					*36,300	35,320	*28,600	24,880	*23,580	18,690	18,410	14,560	14,710	11,590	*10,220	*10,220	12.4 m
	10 ft lb					*80,028	77,867	*63,052	54,851	*51,985	41,204	40,587	32,099	32,430	25,552	*22,531	*22,531	40.7 ft
	1.5 m kg					*34,430	32,940	*28,480	23,380	22,680	17,750	17,820	14,000	14,430	11,320	*10,610	*10,610	12.3 m
	5 ft lb					*75,905	72,620	*62,788	51,544	50,001	39,132	39,286	30,865	31,813	24,956	*23,391	*23,391	40.4 ft
	0 m kg					*33,050	31,770	*27,250	22,420	21,990	17,090	17,410	13,600	*13,370	11,190	*11,240	11,050	12.1 m
	0 ft lb					*72,863	70,041	*60,076	49,428	48,480	37,677	38,382	29,983	*29,476	24,670	*24,780	24,361	39.7 ft
	-1.5 m kg			*17,550	*17,550	*29,750	*29,750	*24,810	21,990	*20,450	16,760	*16,460	13,440			*12,190	11,670	11.7 m
	-5 ft lb			*38,691	*38,691	*65,587	*65,587	*54,697	48,480	*45,084	36,949	*36,288	29,630			*26,874	25,728	38.4 ft
	-3 m kg			*26,470	*26,470	*24,610	*24,610	*21,040	*21,040	*17,240	16,790	*12,910	*12,910			*10,420	*10,420	11.0 m
	-10 ft lb			*58,356	*58,356	*54,256	*54,256	*46,385	*46,385	*38,008	37,016	*28,462	*28,462			*22,972	*22,972	36.1 ft
	-4.5 m kg							*15,580	*15,580	*12,110	*12,110							10.1 m
	-15 ft lb							*34,348	*34,348	*26,698	*26,698							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.

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		15.0 m, 50 ft		16.5 m, 55 ft		Max. reach					
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.			
Bent & Bent boom Arm 4.2 m (13'9") Shoe 900 mm (36") Hyd. Removal CWT & Add. CWT	10.5 m kg																				*9,980	*9,980	11.8 m		
	35 ft lb																				*22,002	*22,002	38.7 ft		
	9 m kg												*11,400	*11,400							*10,090	*10,090	12.7 m		
	30 ft lb												*25,133	*25,133							*22,245	*22,245	41.7 ft		
	7.5 m kg										*12,920	*12,920	*11,740	*11,740							*10,360	*10,360	13.3 m		
	25 ft lb										*28,484	*28,484	*25,882	*25,882							*22,840	*22,840	43.6 ft		
	6 m kg							*19,300	*19,300	*15,830	*15,830	*13,660	*13,660	*12,200	*12,200	*11,190	*11,190					*10,800	*10,800	13.8 m	
	20 ft lb							*42,549	*42,549	*34,899	*34,899	*30,115	*30,115	*26,896	*26,896	*24,670	*24,670					*23,810	*23,810	45.3 ft	
	4.5 m kg							*21,300	*21,300	*17,030	*17,030	*14,440	*14,440	*12,710	*12,710	*11,500	*11,500					*11,150	10,860	14.1 m	
	15 ft lb							*46,958	*46,958	*37,545	*37,545	*31,835	*31,835	*28,021	*28,021	*25,353	*25,353					*24,582	23,942	46.3 ft	
	3 m kg							*22,800	*22,800	*18,080	*18,080	*15,170	*15,170	*13,200	*13,200	*11,810	11,220					*11,310	10,260	14.2 m	
	10 ft lb							*50,265	*50,265	*39,860	*39,860	*33,444	*33,444	*29,101	*29,101	*26,037	24,736					*24,934	22,619	46.6 ft	
	1.5 m kg							*22,790	*22,790	*18,820	*18,820	*15,750	15,610	*13,620	12,900	*12,080	10,740					*11,530	9,910	14.2 m	
	5 ft lb							*50,243	*50,243	*41,491	*41,491	*34,723	34,414	*30,027	28,440	*26,632	23,678					*25,419	21,848	46.6 ft	
	0 m kg							*23,540	23,380	*19,210	18,290	*16,120	14,870	*13,900	12,330	*12,240	10,340					*11,800	9,800	14.0 m	
	0 ft lb							*51,897	51,544	*42,351	40,322	*35,538	32,783	*30,644	27,183	*26,985	22,796					*26,015	21,605	45.9 ft	
	-1.5 m kg				*15,930	*15,930	*23,210	23,070	*19,250	17,770	*16,250	14,370	*14,000	11,920	*12,240	10,050						*12,130	9,940	13.6 m	
	-5 ft lb				*35,120	*35,120	*51,169	50,861	*42,439	39,176	*35,825	31,680	*30,865	26,279	*26,985	22,156						*26,742	21,914	44.6 ft	
	-3 m kg		*16,630	*16,630	*23,840	*23,840	*22,570	*22,570	*18,940	17,520	*16,080	14,090	*13,840	11,690								*12,490	10,390	13.1 m	
	-10 ft lb		*36,663	*36,663	*52,558	*52,558	*49,758	*49,758	*41,756	38,625	*35,450	31,063	*30,512	25,772								*27,536	22,906	43.0 ft	
	-4.5 m kg		*24,320	*24,320	*25,330	*25,330	*21,550	*21,550	*18,250	17,520	*15,550	14,030	*13,900	11,660								*12,870	11,280	12.3 m	
	-15 ft lb		*53,616	*53,616	*55,843	*55,843	*47,510	*47,510	*40,234	38,625	*34,282	30,931	*29,321	25,706								*28,373	24,868	40.4 ft	
	-6 m kg		*26,900	*26,900	*23,450	*23,450	*20,050	*20,050	*17,080	17,080	*14,520	14,220										*13,240	12,870	11.3 m	
	-20 ft lb		*59,304	*59,304	*51,698	*51,698	*44,203	*44,203	*37,655	*37,655	*32,011	31,350										*29,189	28,373	37.1 ft	
	-7.5 m kg		*23,730	*23,730	*20,730	*20,730	*17,840	*17,840	*15,170	*15,170												*13,480	*13,480	10.0 m	
	-25 ft lb		*52,316	*52,316	*45,702	*45,702	*39,330	*39,330	*33,444	*33,444												*29,718	*29,718	32.8 ft	
	-9 m kg				*16,740	*16,740	*14,390	*14,390														*13,250	*13,250	8.2 m	
	-30 ft lb				*36,905	*36,905	*31,724	*31,724														*29,211	*29,211	26.9 ft	
Bent & Straight boom Arm 4.2 m (13'9") Shoe 900 mm (36") Hyd. Removal CWT & Add. CWT	13.5 m kg																				*10,790	*10,790	11.5 m		
	45 ft lb																					*23,788	*23,788	3.7 ft	
	12 m kg												*11,940	*11,940							*10,320	*10,320	12.7 m		
	40 ft lb												*26,323	*26,323								*22,752	*22,752	41.7 ft	
	10.5 m kg										*13,240	*13,240	*12,000	*12,000	*11,120	*11,120						*10,070	*10,070	13.7 m	
	35 ft lb										*29,189	*29,189	*26,455	*26,455	*24,515	*24,515						*22,201	*22,201	44.9 ft	
	9 m kg									*15,670	*15,670	*13,670	*13,670	*12,230	*12,230	*11,160	*11,160					*9,980	*9,980	14.5 m	
	30 ft lb									*34,546	*34,546	*30,137	*30,137	*26,963	*26,963	*24,604	*24,604					*22,002	*22,002	47.6 ft	
	7.5 m kg							*20,190	*20,190	*16,570	*16,570	*14,210	*14,210	*12,550	*12,550	*11,330	*11,330	*10,420	9,530			*10,020	9,430	15.1 m	
	25 ft lb							*44,511	*44,511	*36,531	*36,531	*31,328	*31,328	*27,668	*27,668	*24,978	*24,978	*22,972	21,010			*22,090	20,790	49.5 ft	
	6 m kg									*17,510	*17,510	*14,800	*14,800	*12,920	*12,920	*11,530	11,350	*10,480	9,290			*10,170	8,670	15.5 m	
	20 ft lb									*38,603	*38,603	*32,628	*32,628	*28,484	*28,484	*25,419	25,022	*23,104	20,481			*22,421	19,114	50.9 ft	
	4.5 m kg									*18,320	*18,320	*15,330	*15,330	*13,260	13,040	*11,740	10,810	*10,560	8,970			*10,060	8,140	15.7 m	
	15 ft lb									*40,389	*40,389	*33,797	*33,797	*29,233	28,748	*25,882	23,832	*23,281	19,775			*22,178	17,946	51.5 ft	
	3 m kg									*18,770	17,940	*15,700	14,810	*13,520	12,310	*11,890	10,300	*10,610	8,640			*9,960	7,790	15.9 m	
	10 ft lb									*41,381	39,551	*34,613	32,650	*29,806	27,139	*26,213	22,708	*23,391	19,048			*21,958	17,174	52.2 ft	
	1.5 m kg									*18,790	17,040	*15,860	14,010	*13,650	11,700	*11,950	9,850	*10,580	8,340			*9,870	7,610	15.8 m	
	5 ft lb									*41,425	37,567	*34,965	30,887	*30,093	25,794	*26,345	21,716	*23,325	18,387			*21,760	16,777	51.8 ft	
	0 m kg									*18,440	16,580	*15,760	13,490	*13,600	11,250	*11,880	9,510	*10,420	8,120			*9,790	7,600	15.7 m	
	0 ft lb									*40,653	36,553	*34,745	29,740	*29,983	24,802	*26,191	20,966	*22,972	17,902			*21,583	16,755	51.5 ft	
	-1.5 m kg									*17,780	16,400	*15,380	13,200	*13,330	10,970	*11,610	9,300	*10,050	8,000			*9,680	7,760	15.3 m	
	-5 ft lb									*39,198	36,156	*33,907	29,101	*29,388	24,185	*25,596	20,503	*22,156	17,637			*21,341	17,108	50.2 ft	
	-3 m kg								*18,650	*18,650	*16,860	16,430	*14,730	13,110	*12,800	10,860	*11,090	9,220				*9,510	8,130	14.8 m	
	-10 ft lb								*41,116	*41,116	*37,170	36,222	*32,474	28,903	*28,219	23,942	*24,449	20,327				*20,966	17,924	48.6 ft	
	-4.5 m kg												*17,230	*17,230	*15,620	*15,620	*13,750	13,200	*11,940	10,920			*9,250	8,770	14.2 m
	-15 ft lb												*37,765	*37,765	*37,986	*37,986	*34,436	*34,436	*30,314	29,101			*20,393	19,335	46.6 ft
	-6 m kg												*15,610	*15,610	*15,340	*15,340	*13,990	*13,990	*12,350	*10,610			*8,790	*8,790	13.3 m
	-20 ft lb												*34,414	*34,414	*33,819	*33,819	*30,843	*30,843	*27,227	*23,391			*19,379	*19,379	43.6 ft
	-7.5 m kg												*12,850	*12,850	*11,790	*11,790							*8,000	*8,000	12.2 m
	-25 ft lb												*28,329	*28,329	*25,992	*25,992	*22,752	*22,752	*18,519	*18,519			*17,637	*17,637	40.0 ft
Straight & Bent boom Arm 4.																									

LIFTING CAPACITY EC750EHR

At the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

With Boom extension	Lifting hook related to ground level	4.5 m, 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		15.0 m, 50 ft		16.5 m, 55 ft		Max. reach							
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.					
Straight & boom	18 m	kg																			*16,660	*16,660	61 m				
	60 ft	lb																			*36,729	*36,729	20.0 ft				
	16.5 m	kg					*16,850	*16,850	*13,590	*13,590											*13,390	*13,390	9.0 m				
	55 ft	lb					*37,148	*37,148	*29,961	*29,961											*29,520	*29,520	29.5 ft				
	15 m	kg																			*11,900	*11,900	11.0 m				
	50 ft	lb																			*26,235	*26,235	36.1 ft				
	13.5 m	kg					*15,550	*15,550	*16,160	*16,160	*16,060	*16,060	*13,820	*13,820							*11,040	*11,040	12.5 m				
	45 ft	lb					*34,282	*34,282	*35,627	*35,627	*35,406	*35,406	*30,468	*30,468							*24,339	*24,339	41.0 ft				
	12 m	kg					*16,110	*16,110	*16,750	*16,750	*16,660	*16,660	*14,590	*14,590	*12,020	11,820					*10,520	*10,520	13.7 m				
	40 ft	lb					*35,516	*35,516	*36,927	*36,927	*36,729	*36,729	*32,165	*32,165	*26,500	26,059					*23,193	*23,193	44.9 ft				
Straight boom	10.5 m	kg				*21,980	*21,980	*20,160	*20,160	*19,360	*19,360	*16,750	*16,750	*14,600	*14,600	*12,850	11,800					*10,200	9,800	14.6 m			
	35 ft	lb				*48,458	*48,458	*44,445	*44,445	*42,681	*42,681	*36,927	*36,927	*32,187	*32,187	*28,329	26,015					*22,487	21,605	47.9 ft			
Arm	9 m	kg					*24,070	*24,070	*19,850	*19,850	*16,870	*16,870	*14,610	14,290	*12,810	11,490	*11,220	9,190					*10,040	8,680	15.3 m		
	30 ft	lb					*53,065	*53,065	*43,762	*43,762	*37,192	*37,192	*32,209	31,504	*28,241	25,331	*24,736	20,260					*22,134	19,136	50.2 ft		
4.2 m (13'9")	7.5 m	kg								*20,030	*20,030	*16,920	16,800	*14,590	13,540	*12,730	11,030	*11,120	8,990					*9,980	7,880	15.9 m	
Shoe	25 ft	lb								*44,159	*44,159	*37,302	37,038	*32,165	29,851	*28,065	24,317	*24,515	19,820					*22,002	17,372	52.2 ft	
900 mm (36")	6 m	kg																									
	20 ft	lb																									
Hyd.	4.5 m	kg																									
	15 ft	lb																									
Removal CWT & Add. CWT	3 m	kg																									
	10 ft	lb																									
	1.5 m	kg																									
	5 ft	lb																									
	0 m	kg																									
	0 ft	lb																									
	-1.5 m	kg																									
	-5 ft	lb																									
	-3 m	kg																									
	-10 ft	lb																									
Bent & Bent boom Arm	-4.5 m	kg																									
	-15 ft	lb																									
	10.5 m	kg																									
	35 ft	lb																									
	9 m	kg																									
	30 ft	lb																									
	7.5 m	kg																									
	25 ft	lb																									
	6 m	kg																									
	20 ft	lb																									
4.2 m (13'9") Shoe	4.5 m	kg																									
	15 ft	lb																									
	3 m	kg																									
	10 ft	lb																									
	1.5 m	kg																									
	5 ft	lb																									
	0 m	kg																									
	0 ft	lb																									
	-1.5 m	kg																									

Notes: 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards. 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 3.

Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

Specifications

LIFTING CAPACITY EC750EHR

At the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

With Boom extension	Lifting hook related to ground level	4.5 m, 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		15.0 m, 50 ft		16.5 m, 55 ft		Max. reach						
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.				
Bent & Straight boom	13.5 m	kg																			*10,790	*10,790	11.5 m			
	45 ft	lb																				*23,788	*23,788	37.7 ft		
	12 m	kg											*11,940	*11,940								*10,320	*10,320	12.7 m		
	40 ft	lb											*26,323	*26,323								*22,752	*22,752	41.7 ft		
	10.5 m	kg									*13,240	*13,240	*12,000	*12,000	*11,120	*11,120						*10,070	*10,070	13.7 m		
	35 ft	lb									*29,189	*29,189	*26,455	*26,455	*24,515	*24,515						*22,201	*22,201	44.9 ft		
	9 m	kg							*15,670	*15,670	*13,670	*13,670	*12,230	*12,230	*11,160	*11,160						*9,980	*9,980	14.5 m		
	30 ft	lb							*34,546	*34,546	*30,137	*30,137	*26,963	*26,963	*24,604	*24,604						*22,002	*22,002	47.6 ft		
	7.5 m	kg					*20,190	*20,190	*16,570	*16,570	*14,210	*14,210	*12,550	*12,550	*11,330	*11,330	*10,420	9,530				*10,020	9,430	15.1 m		
	25 ft	lb					*44,511	*44,511	*36,531	*36,531	*31,328	*31,328	*27,668	*27,668	*24,978	*24,978	*22,972	21,010				*22,090	20,790	49.5 ft		
	6 m	kg							*17,510	*17,510	*14,800	*14,800	*12,920	*12,920	*11,530	11,350	*10,480	9,290				*10,170	8,670	15.5 m		
	20 ft	lb							*38,603	*38,603	*32,628	*32,628	*28,484	*28,484	*25,419	25,022	*23,104	20,481				*22,421	19,114	50.9 ft		
	4.2 m (13'9")	4.5 m	kg							*18,320	*18,320	*15,330	*15,330	*13,260	13,040	*11,740	10,810	*10,560	8,970				*10,060	8,140	15.7 m	
		15 ft	lb							*40,389	*40,389	*33,797	*33,797	*29,233	28,748	*25,882	23,832	*23,281	19,775				*22,178	17,946	51.5 ft	
	Shoe	3 m	kg							*18,770	17,940	*15,700	14,810	*13,520	12,310	*11,890	10,300	*10,610	8,640				*9,960	7,790	15.9 m	
	750 mm (30")	10 ft	lb							*41,381	39,551	*34,613	32,650	*29,806	27,139	*26,213	22,708	*23,391	19,048				*21,958	17,174	52.2 ft	
		1.5 m	kg							*18,790	17,040	*15,860	14,010	*13,650	11,700	*11,950	9,850	*10,580	8,340				*9,870	7,610	15.8 m	
	Hyd.	5 ft	lb							*41,425	37,567	*34,965	30,887	*30,093	25,794	*26,345	21,716	*23,325	18,387				*21,760	16,777	51.8 ft	
	Removal CWT	0 m	kg							*18,440	16,580	*15,760	13,490	*13,600	11,250	*11,880	9,510	*10,420	8,120				*9,790	7,600	15.7 m	
	& Add. CWT	0 ft	lb							*40,653	36,553	*34,745	29,740	*29,983	24,802	*26,191	20,966	*22,972	17,902				*21,583	16,755	51.5 ft	
		-1.5 m	kg							*17,780	16,400	*15,380	13,200	*13,330	10,970	*11,610	9,300	*10,050	8,000				*9,680	7,760	15.3 m	
		-5 ft	lb							*39,198	36,156	*33,907	29,101	*29,388	24,185	*25,596	20,503	*22,156	17,637				*21,341	17,108	50.2 ft	
-3 m		kg							*18,650	16,430	*14,730	13,110	*12,800	10,860	*11,090	9,220						*9,510	8,130	14.8 m		
-10 ft		lb							*41,116	*41,116	*37,170	36,222	*32,474	28,903	*28,219	23,942	*24,449	20,327				*20,966	17,924	48.6 ft		
-4.5 m		kg								*17,130	*17,130	*17,230	*17,230	*15,620	*15,620	*13,750	13,200	*11,940	10,920				*9,250	8,770	14.2 m	
-15 ft		lb								*37,765	*37,765	*37,986	*37,986	*34,436	*34,436	*30,314	29,101	*26,323	24,074				*22,443	20,547		
-6 m		kg								*15,610	*15,610	*15,340	*15,340	*13,990	*13,990	*12,350	*12,350	*10,610	*10,610				*8,790	*8,790	13.3 m	
-20 ft		lb								*34,414	*34,414	*33,819	*33,819	*30,843	*30,843	*27,227	*27,227	*23,391	*23,391				*19,379	*19,379	43.6 ft	
-7.5 m		kg								*12,850	*12,850	*11,790	*11,790	*10,320	*10,320	*8,400	*8,400					*8,000	*8,000	12.2 m		
-25 ft		lb								*28,329	*28,329	*25,992	*25,992	*22,752	*22,752	*18,519	*18,519					*17,637	*17,637	40.0 ft		
Straight & Bent boom		15 m	kg																				*11,140	*11,140	8.9 m	
		50 ft	lb																				*24,559	*24,559	29.2 ft	
		13.5 m	kg											*11,360	*11,360								*10,440	*10,440	10.7 m	
	45 ft	lb											*25,044	*25,044								*23,016	*23,016	35.1 ft		
	12 m	kg											*15,330	*15,330	*10,390	*10,390						*10,100	*10,100	12.0 m		
	40 ft	lb											*37,611	*37,611	*33,797	*33,797	*22,906	*22,906				*22,267	*22,267	39.4 ft		
	10.5 m	kg											*18,120	*18,120	*15,790	*15,790	*14,020	*14,020				*9,980	*9,980	13.1 m		
	35 ft	lb											*39,948	*39,948	*34,811	*34,811	*30,909	*30,909				*22,002	*22,002	43.0 ft		
	9 m	kg																				*10,020	*10,020	13.9 m		
	30 ft	lb																				*22,090	*22,090	45.6 ft		
	7.5 m	kg																				*10,200	10,120	14.5 m		
	Arm	25 ft	lb																				*22,487	22,311	47.6 ft	
	4.2 m (13'9")	6 m	kg																				*10,500	9,230	14.9 m	
		20 ft	lb																				*23,149	20,349	48.9 ft	
	Shoe	4.5 m	kg																				*10,830	8,600	15.2 m	
	750 mm (30")	15 ft	lb																				*23,876	18,960	49.9 ft	
	Hyd.	3 m	kg																				*10,470	8,180	15.3 m	
	Removal CWT	10 ft	lb																				*23,082	18,034	50.2 ft	
	& Add. CWT	1.5 m	kg																					*10,100	7,960	15.3 m
		5 ft	lb																					*22,267	17,549	50.2 ft
		0 m	kg																					*9,700	7,920	15.1 m
		0 ft	lb																					*21,385	17,461	49.5 ft
-1.5 m		kg																					*9,220	8,070	14.8 m	
-5 ft		lb																					*20,327	17,791	48.6 ft	
-3 m		kg																					*8,610	8,460	14.3 m	
-10 ft		lb																					*18,982	18,651	46.9 ft	
-4.5 m		kg																					*7,770	*7,770	13.6 m	
-15 ft		lb																					*17,130	*17,130	44.6 ft	
-6 m		kg																					*6,550	*6,550	12.7 m	
-20 ft		lb																					*14,440	*14,440	41.7 ft	

LIFTING CAPACITY EC750EHR

At the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

With Boom extension	Lifting hook related to ground level	4.5 m, 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		15.0 m, 50 ft		16.5 m, 55 ft		Max. reach											
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.									
Straight & Straight boom	18 m kg																				*16,660	*16,660	61m								
	60 ft lb																					*36,729	*36,729	20.0ft							
	16.5 m kg					*16,850	*16,850	*13,590	*13,590													*13,390	*13,390	9.0m							
	55 ft lb					*37,148	*37,148	*29,961	*29,961														*29,520	*29,520	29.5ft						
	15 m kg							*16,190	*16,190	*14,320	*14,320												*11,900	*11,900	11.0m						
	50 ft lb							*35,693	*35,693	*31,570	*31,570													*26,235	*26,235	36.1ft					
	13.5 m kg					*15,550	*15,550	*16,160	*16,160	*16,060	*16,060	*13,820	*13,820											*11,040	*11,040	12.5m					
	45 ft lb					*34,282	*34,282	*35,627	*35,627	*35,406	*35,406	*30,468	*30,468												*24,339	*24,339	41.0ft				
	12 m kg					*16,110	*16,110	*16,750	*16,750	*16,660	*16,660	*14,590	*14,590	*12,020	11,820											*10,520	*10,520	13.7m			
	40 ft lb					*35,516	*35,516	*36,927	*36,927	*36,729	*36,729	*32,165	*32,165	*26,500	26,059												*23,193	*23,193	44.9ft		
Straight boom	10.5 m kg			*21,980	*21,980	*20,160	*20,160	*19,360	*19,360	*16,750	*16,750	*14,600	*14,600	*12,850	11,800												*10,200	9,800	14.6m		
	35 ft lb			*48,458	*48,458	*44,445	*44,445	*42,681	*42,681	*36,927	*36,927	*32,187	*32,187	*28,329	26,015													*22,487	21,605	47.9ft	
Arm	9 m kg					*24,070	*24,070	*19,850	*19,850	*16,870	*16,870	*14,610	14,290	*12,810	11,490	*11,220	9,190											*10,040	8,680	15.3m	
	4.2 m (13'9")																														
Shoe	30 ft lb					*53,065	*53,065	*43,762	*43,762	*37,192	*37,192	*32,209	31,504	*28,241	25,331	*24,736	20,260												*22,134	19,136	50.2ft
	7.5 m kg									*20,030	*20,030	*16,920	16,800	*14,590	13,540	*12,730	11,030	*11,120	8,990										*9,980	7,880	15.9m
750 mm (30")	25 ft lb									*44,159	*44,159	*37,302	37,038	*32,165	29,851	*28,065	24,317	*24,515	19,820										*22,002	17,372	52.2ft
	6 m kg																														
Hyd.	20 ft lb																														
	4.5 m kg																														
Removal CWT	15 ft lb																														
	3 m kg																														
& Add. CWT	10 ft lb																														
	1.5 m kg																														
	5 ft lb																														
	0 m kg																														
	0 ft lb																														
	-1.5 m kg																														
	-5 ft lb																														
	-3 m kg																														
	-10 ft lb																														
	-4.5 m kg																														
	-15 ft lb																														
	10.5 m kg																														
	35 ft lb																														
	9 m kg																														
	30 ft lb																														
	7.5 m kg																														
	25 ft lb																														
	6 m kg																														
	20 ft lb																														
	4.5 m kg																														
	15 ft lb																														
	3 m kg																														
	4.2 m (13'9")																														
	10 ft lb																														
	1.5 m kg																														
	Shoe 650 mm (26")																														
	5 ft lb																														
	0 m kg																														
	0 ft lb																														
	-1.5 m kg																														
	-5 ft lb																														
	-3 m kg																														
	-10 ft lb																														
	-4.5 m kg																														
	-15 ft lb																														
	-6 m kg																														
	-20 ft lb																														
	-7.5 m kg																														
	-25 ft lb																														
	-9 m kg																														
	-30 ft 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.

LIFTING CAPACITY EC750EHR

[illegible]

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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	
Hydraulic system	
Hose rupture valve for UHR:	
boom cylinder and arm	
Hydraulic piping:	
Work 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 3.4m (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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