

Item # 87

Volvo EC350E Crawler Excavator

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Model: Volvo EC350E Crawler Excavator

Description	Article
Volvo EC350EL Crawler Excavator	EC350EL
Boom, 21' 2" (6.45m), GP	XC10133
Arm, 10' 6" (3.2m), GP	XC10211
Linkage with lifting eye, GP	XC10403
Track Pads, 32" Triple Grouser	XC20106
Roller guard STD	XC20201
Lower frame - foldable steps	XC20302
Belly Cover HD, 10mm	XC20402
Engine NA	XC30101
Air precleaner, Cyclone	XC30401
Standard fan drive	XC30801
Anti-vandal mounting on Cab	XC40112
CareCab Reinforced w/ Opening Hatch	XC40105
Seat, Air suspension w/Heater & X-Isolator	XC40203
Seat Belt, 3 inch Retractable	XC41204
Joystick, 4 Switches	XC40405
Air conditioning, ACC (automatic climate control)	XC40502
Radio with MP3, USB port & Bluetooth	XC40708
Guardrail	XC50801
Work lights on deck & boom, Halogen	XC50000
Extra Work Lights on cab front/rear, CWT & boom (Halogens if XC50000 is chosen, LEDs if XC50001)	XC50101
Travel alarm	XC50102
Rear view camera	XC50108
Side view camera	XC50119
CareTrack GSM+SAT	XC50402
Hydraulic oil ISO VG46	XC60102
X1 2 pump double acting piping	XC60203
X1 additional return filter	XC60301
X1 2-switch control, On/Off, double acting	XC60502
X1 Pedal control, Proportional	XC60605
Quick fit piping, UQF	XC60805
Pilot control pattern change	XC60901
Straight travel pedal	XC60904
Boom float function, w/o hose rupture valve	XC60907
Pre-Setting for Hydraulic Pressure	XC61301
Manual, English	XC70302
Lifetime Frame	XC70501
Counterweight, 14,770lbs (6700kg), fabrication	XC80161
Under cover HD, 4.5mm superstructure	XC80202
Less Bucket With Pins	XC8281913
41" GP Bucket	XC8293942



Volvo Construction Equipment

EC350E, EC380E

Volvo Excavators 36-42 t / 79,950-92,760 lb 308 hp



Volvo EC350E, EC380E 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.

		EC350E	EC380E
Engine	Volvo	D13J	D13J
Max power at	r/min (r/s)	1,700 (28.3)	1,700 (28.3)
* Net, ISO 9249/SAE J1349	kW (hp)	229 (307)	229 (307)
Gross, ISO 14396/SAE J1995	kW (hp)	230 (308)	230 (308)
Max torque	Nm (ft lbf)	1,692 (1,248)	1,692 (1,248)
at engine speed	r/min (r/s)	1,275 (21.25)	1,275 (21.25)
No. of cylinders		6	6
Displacement	l (in³)	12.8 (781)	12.8 (781)
Bore	mm (in)	131 (5.16)	131 (5.16)
Stroke	mm (in)	158 (6.22)	158 (6.22)

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.

		EC350E	EC380E
Voltage	V	24	24
Batteries	V	2 x 12	2 x 12
Battery capacity	Ah	200	200
Alternator	V/A	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 antirebound valve are standard.

		EC350E	EC380E
* Max. slew speed	r/min	10.2	10.2
Max. slew torque	kNm (ft lbf)	119 (878)	130.5 (96,252)

Travel System

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.

		EC350E	EC380E
Max. drawbar pull	kN (lbf)	276.5 (62,160)	276.5 (62,160)
Max. travel speed (low)	km/h (mi/h)	3.4 (2.1)	3.4 (2.1)
* Max. travel speed (high)	km/h (mi/h)	5.3 (3.3)	5.3 (3.3)
Gradeability	°	35	35

Undercarriage

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

		EC350E
Track shoes		2 x 50
Link pitch	mm (in)	215.9 (8.5)
Shoe width, triple grouser	mm (in)	600 / 700 / 800 / 900 (24 / 28 / 32 / 36)
Shoe width, double grouser	mm (in)	600 (24)
Bottom rollers		2 x 8
Top rollers		2 x 2

		EC380E
Track shoes		2 x 50
Link pitch	mm (in)	215.9 (8.5)
Shoe width, triple grouser	mm (in)	600 / 600HD / 700 / 800 / 900 (24 / 24HD / 28 / 32 / 36)
Shoe width, double grouser	mm (in)	600 (24)
Bottom rollers		2 x 9
Top rollers		2 x 2

Hydraulic system

The new electro-hydraulic system and new MCV (main control valve) use intelligent technology to control on-demand flow for highproductivity, high-digging capacity and excellent fuel consumption.
The following important functions are included in the system for optimum performance:
Summation system: Combines the flow of both hydraulic pumps 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.

		EC350E	EC380E
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 300 (2 x 79.3)
Pilot pump, Type Gear pump			
Maximum flow	l/min (gal/min)	32.6 (8.6)	32.6 (8.6)
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)	35.3 (5,120)
Slew circuit	MPa (psi)	25.5 (3,700)	27.9 (4,050)
Pilot circuit	MPa (psi)	3.9 (566)	3.9 (566)

Hydraulic Motors

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

Hydraulic Cylinders

		EC350E	EC380E
Mono boom		2	2
Bore x Stroke	ø x mm (ø x in)	160 x 1 530 (6.3 x 60.2)	160 x 1 530 (6.3 x 60.2)
Arm		1	1
Bore x Stroke	ø x mm (ø x in)	175 x 1 700 (6.9 x 66.9)	175 x 1 700 (6.9 x 66.9)
Bucket		1	1
Bore x Stroke	ø x mm (ø x in)	145 x 1 285 (5.7 x 50.6)	145 x 1 285 (5.7 x 50.6)
ME Bucket		1	1
Bore x Stroke	ø x mm (ø x in)	160 x 1 250 (6.3 x 49.2)	160 x 1 250 (6.3 x 49.2)

Service Refill

		EC350E	EC380E
Fuel tank	l (gal)	620 (163.8)	620 (163.8)
DEF/AdBlue® tank	l (gal)	62.5 (16.5)	62.5 (16.5)
Hydraulic system, total	l (gal)	500 (132.1)	500 (132.1)
Hydraulic tank	l (gal)	225 (59.4)	225 (59.4)
Engine oil	l (gal)	42 (11.1)	42 (11.1)
Engine coolant	l (gal)	60 (15.9)	60 (15.9)
Slew reduction unit	l (gal)	6 (1.6)	6.5 (1.7)
Travel reduction unit	l (gal)	2 x 6.8 (2 x 1.8)	2 x 6.8 (2 x 1.8)

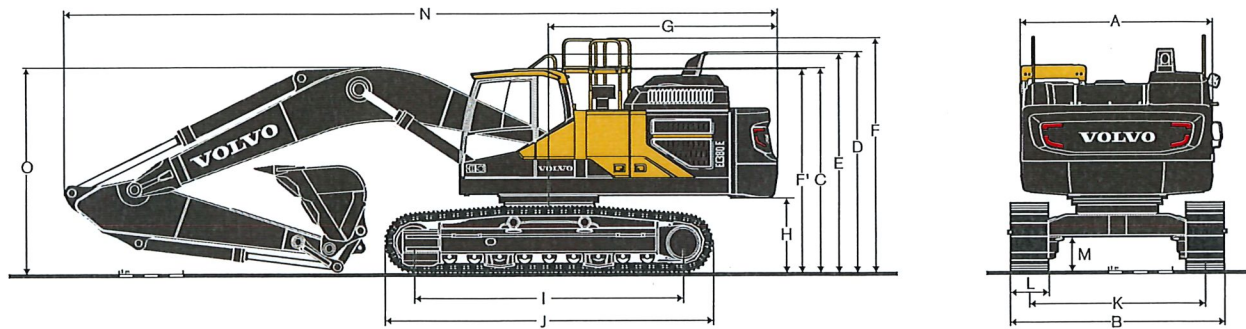
Cab

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. The front windshield can easily slide up into the ceiling, and the lower front glass can be removed and stored in the side door. Integrated airconditioning 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 1430 CO2-eq.

Sound Level

		EC350E	EC380E
Sound level in cab according to ISO 6396			
LpA	dB(A)	71	71
External sound level according to ISO 6395 and EU Noise Directive (2000/14/EC) and 474-1:2006 +A1:2009			
LwA	dB(A)	105	105

Specifications



DIMENSIONS

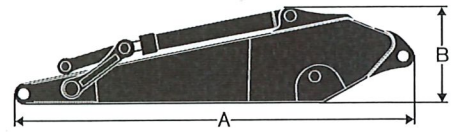
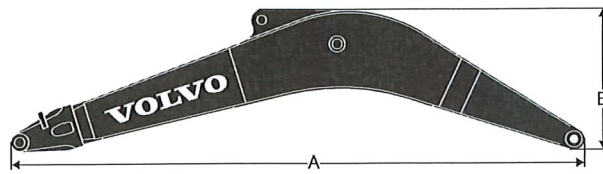
Description	Unit		EC350EL							
Boom	m (ft in)		6.2 (20'4")							
Arm	m	ft in	6.45 (21'2")							
A. Overall width of upper structure	mm	ft in	2 990	9'10"	2 990	9'10"	2 990	9'10"	2 990	9'10"
B. Overall width	mm	ft in	3 390	11'1"	3 390	11'1"	3 390	11'1"	3 390	11'1"
C. Overall height of cab	mm	ft in	3 230	10'7"	3 230	10'7"	3 230	10'7"	3 230	10'7"
D. Overall height of diffuser	mm	ft in	3 475	11'5"	3 475	11'5"	3 475	11'5"	3 475	11'5"
E. Overall height of handrail	mm	ft in	3 445	11'4"	3 445	11'4"	3 445	11'4"	3 445	11'4"
F. Overall height of guardrail (unfolded)	mm	ft in	3 695	12'1"	3 695	12'1"	3 695	12'1"	3 695	12'1"
F'. Overall height of guardrail (folded)	mm	ft in	3 220	10'7"	3 220	10'7"	3 220	10'7"	3 220	10'7"
G. Tail swing radius	mm	ft in	3 600	11'10"	3 600	11'10"	3 600	11'10"	3 600	11'10"
H. Counterweight clearance *	mm	ft in	1 160	3'10"	1 160	3'10"	1 160	3'10"	1 160	3'10"
I. Tumbler length	mm	ft in	4 020	13'2"	4 020	13'2"	4 020	13'2"	4 020	13'2"
J. Track length	mm	ft in	4 957	16'3"	4 957	16'3"	4 957	16'3"	4 957	16'3"
K. Track gauge	mm	ft in	2 590	8'6"	2 590	8'6"	2 590	8'6"	2 590	8'6"
L. Shoe width	mm	ft in	800	31"	800	31"	800	31"	800	31"
M. Min. ground clearance *	mm	ft in	500	1'8"	500	1'8"	500	1'8"	500	1'8"
N. Overall length	mm	ft in	11 050	36'3"	11 310	37'1"	11 225	36'10"	11 270	37'
O. Overall height of boom	mm	ft in	3 755	12'4"	3 605	11'10"	3 350	11'	3 595	11'10"

*Without shoe grouser

DIMENSIONS

Description	Unit		EC380EL								EC380ELR	
Boom	m (ft in)		6.2 (20'4")								8.5 (27'11")	
Arm	m	ft in	6.45 (21'2")								5	16'5"
A. Overall width of upper structure	mm	ft in	2 990	9'10"	2 990	9'10"	2 990	9'10"	2 990	9'10"	2 990	9'10"
B. Overall width	mm	ft in	3 540	11'7"	3 540	11'7"	3 540	11'7"	3 540	11'7"	3 540	11'7"
C. Overall height of cab	mm	ft in	3 220	10'7"	3 220	10'7"	3 220	10'7"	3 220	10'7"	3 220	10'7"
D. Overall height of diffuser	mm	ft in	3 470	11'5"	3 470	11'5"	3 470	11'5"	3 470	11'5"	3 470	11'5"
E. Overall height of handrail	mm	ft in	3 440	11'3"	3 440	11'3"	3 440	11'3"	3 440	11'3"	3 440	11'3"
F. Overall height of guardrail (unfolded)	mm	ft in	3 685	12'1"	3 685	12'1"	3 685	12'1"	3 685	12'1"	3 685	12'1"
F'. Overall height of guardrail (folded)	mm	ft in	3 215	10'6"	3 215	10'6"	3 215	10'6"	3 215	10'6"	3 215	10'6"
G. Tail swing radius	mm	ft in	3 600	11'10"	3 600	11'10"	3 600	11'10"	3 600	11'10"	3 600	11'10"
H. Counterweight clearance *	mm	ft in	1 155	3'9"	1 155	3'9"	1 155	3'9"	1 155	3'9"	1 155	3'9"
I. Tumbler length	mm	ft in	4 240	13'11"	4 240	13'11"	4 240	13'11"	4 240	13'11"	4 240	13'11"
J. Track length	mm	ft in	5 180	17'	5 180	17'	5 180	17'	5 180	17'	5 180	17'
K. Track gauge	mm	ft in	2 740	9'	2 740	9'	2 740	9'	2 740	9'	2 740	9'
L. Shoe width	mm	ft in	800	32"	800	32"	800	32"	800	32"	800	32"
M. Min. ground clearance *	mm	ft in	500	1'8"	500	1'8"	500	1'8"	500	1'8"	500	1'8"
N. Overall length	mm	ft in	11 060	36'3"	11 310	37'1"	11 225	36'10"	11 270	37'	13 065	42'10"
O. Overall height of boom	mm	ft in	3 510	11'6"	3 455	11'4"	3 275	10'9"	3 485	11'5"	4 500	14'9"

*Without shoe grouser



DIMENSIONS

Boom

Description	Unit		EC350EL				EC380EL				EC380ELR	
Boom	m	ft in	6.2 ME	20'4"	6.45 GP	21'2"	6.2 ME	20'4"	6.45 HD	21'2"	8.5 LR	27'11"
A	mm	ft in	6 460	21'2"	6 700	21'12"	6 460	21'2"	6 700	22'	8 750	28'8"
B	mm	ft in	1 740	5'9"	1 800	5'11"	1 740	5'9"	1 800	5'11"	1 610	5'3"
Width	mm	ft in	820	2'8"	820	2'8"	820	2'8"	820	2'8"	820	2'8"
Weight	kg	lb	3 355	7,390	3 345	7 380	3 355	7,390	3 310	7,300	4 855	10,710

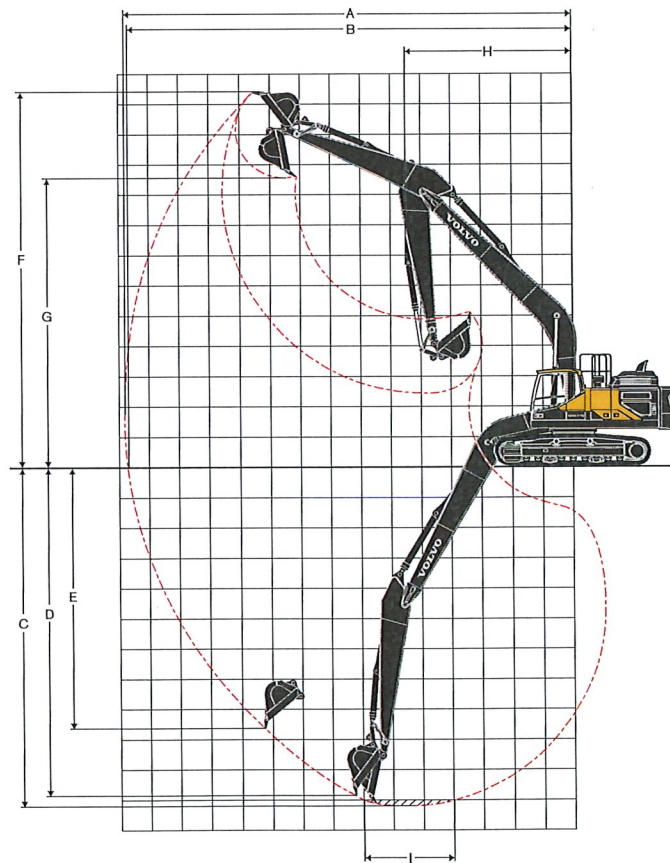
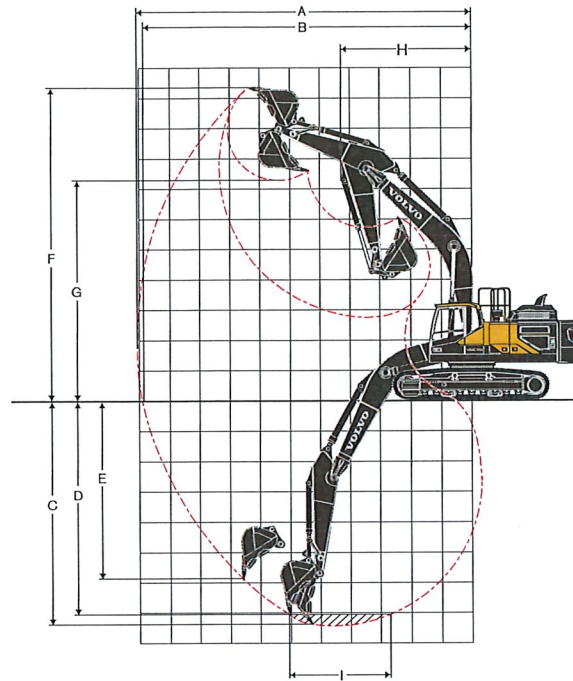
* Includes arm cylinder, piping and pin

Arm

Description	Unit		EC350EL						EC380EL						EC380ELR	
Arm	m	ft in	2.6 ME	8'6"	3.2 GP	10'6"	3.9	12'10"	2.6 ME	8'6"	3.2 HD	10'6"	3.9 GP	12'10"	5.0 LR	16'5"
A	mm	ft in	3 780	12'5"	4 360	14'4"	5 080	16'8"	3 780	12'5"	4 360	14'4"	5 080	16'8"	6 180	20'3"
B	mm	ft in	1 145	3'9"	1 145	3'9"	1 145	3'9"	1 145	3'9"	1 145	3'9"	1 145	3'9"	1 040	3'5"
Width	mm	ft in	560	1'10"	560	1'10"	560	1'10"	560	1'10"	560	1'10"	560	1'10"	560	1'10"
Weight	kg	lb	2 050	4,520	2 180	4 810	2 300	5,070	2 050	4,520	2 180	4,810	2 300	5,070	2 525	5,570

* Includes bucket cylinder, linkage and pin

Specifications



WORK RANGES

Description	Unit		EC350E							
	m (ft in)		6.2 (20'4")		6.45 (21'2")					
Boom	m	ft in	2.6	8'6"	2.6	8'6"	3.2	10'6"	3.9	12'10"
Arm	m	ft in	2.6	8'6"	2.6	8'6"	3.2	10'6"	3.9	12'10"
A. Max. digging reach	mm	ft in	10450	34'3"	10695	35'1"	11220	36'10"	11855	38'11"
B. Max. digging reach on ground	mm	ft in	10225	33'7"	10480	34'5"	11010	36'1"	11665	38'3"
C. Max. digging depth	mm	ft in	6755	22'2"	6990	22'11"	7590	24'11"	8290	27'2"
D. Max. digging depth (2.44 m/8' level)	mm	ft in	6575	21'7"	6805	22'4"	7425	24'4"	8145	26'9"
E. Max. vertical wall digging depth	mm	ft in	4860	15'11"	5000	16'5"	5510	18'1"	6110	20'1"
F. Max. cutting height	mm	ft in	10055	33'0"	10195	33'5"	10370	34'0"	10640	34'11"
G. Max. dumping height	mm	ft in	6800	22'4"	6950	22'10"	7140	23'5"	7415	24'4"
H. Min. front slew radius	mm	ft in	4090	13'5"	4290	14'1"	4275	14'0"	4305	14'1"

DIGGING FORCES WITH DIRECT FIT BUCKET

Breakout force - bucket (Normal/Power boost)	SAE J1179	kN	lb	214.5	48,220	198.0	44,510	198.0	44,510	198.0	44,510
	SAE J1179	kN	lb	234.5	52,720	215.0	48,335	215.0	48,335	215.0	48,335
	ISO 6015	kN	lb	243.4	54,720	221.7	49,840	221.7	49,840	221.7	49,840
	ISO 6015	kN	lb	265.4	59,665	242.7	54,560	242.7	54,560	242.7	54,560
Tearout force - dipper arm (Normal/Power boost)	SAE J1179	kN	lb	187.7	42,195	195.9	44,040	161.9	36,395	141.3	31,765
	SAE J1179	kN	lb	205.7	46,245	212.9	47,860	176.9	39,770	154.3	34,690
	ISO 6015	kN	lb	193.9	43,590	201.1	45,210	166.0	37,320	144.4	32,460
	ISO 6015	kN	lb	211.9	47,635	219.1	49,255	181.0	40,690	157.4	35,385

WORK RANGES

Description	Unit		EC380E							
	m (ft in)		6.2 (20'4")		6.45 (21'2")				8.5 (27'11")	
Boom	m	ft in	2.6	8'6"	2.6	8'6"	3.2	10'6"	3.9	12'10"
Arm	m	ft in	2.6	8'6"	2.6	8'6"	3.2	10'6"	3.9	12'10"
A. Max. digging reach	mm	ft in	10450	34'3"	10695	35'1"	11220	36'10"	11855	38'11"
B. Max. digging reach on ground	mm	ft in	10225	33'7"	10480	34'5"	11010	36'1"	11665	38'3"
C. Max. digging depth	mm	ft in	6755	22'2"	6990	22'11"	7590	24'11"	8290	27'2"
D. Max. digging depth (2.44 m/8' level)	mm	ft in	6575	21'7"	6805	22'4"	7425	24'4"	8145	26'9"
E. Max. vertical wall digging depth	mm	ft in	4860	15'11"	5000	16'5"	5510	18'1"	6110	20'1"
F. Max. cutting height	mm	ft in	10055	33'0"	10195	33'5"	10370	34'0"	10640	34'11"
G. Max. dumping height	mm	ft in	6800	22'4"	6950	22'10"	7140	23'5"	7415	24'4"
H. Min. front slew radius	mm	ft in	4090	13'5"	4290	14'1"	4275	14'0"	4305	14'1"

DIGGING FORCES WITH DIRECT FIT BUCKET

Breakout force - bucket (Normal/Power boost)	SAE J1179	kN	lb	214.5	48,220	198.0	44,510	198.0	44,510	198.0	44,510	148.3	33,339
	SAE J1179	kN	lb	234.5	52,720	215.0	48,335	215.0	48,335	215.0	48,335	148.3	33,339
	ISO 6015	kN	lb	243.4	54,720	221.7	49,840	221.7	49,840	221.7	49,840	166.4	37,408
	ISO 6015	kN	lb	265.4	59,665	242.7	54,560	242.7	54,560	242.7	54,560	166.4	37,408
Tearout force - dipper arm (Normal/Power boost)	SAE J1179	kN	lb	187.7	42,195	195.9	44,040	161.9	36,395	141.3	31,765	120.0	26,977
	SAE J1179	kN	lb	205.7	46,245	212.9	47,860	176.9	39,770	154.3	34,690	130.9	29,427
	ISO 6015	kN	lb	193.9	43,590	201.1	45,210	166.0	37,320	144.4	32,460	122.0	27,427
	ISO 6015	kN	lb	211.9	47,635	219.1	49,255	181.0	40,690	157.4	35,385	133.1	29,922

Specifications

BUCKET SELECTION GUIDE

Bucket type		Capacity			Cutting width		Weight		Teeth	EC350EL			
										800mm(24") shoe, 6 700kg(14,770lb) counterweight			
										6.2m(20'4") Boom		6.45m(21'2") Boom	
		L	m3	yd3	mm	ft/in	kg	lb	EA	2.6 m (8'6")	2.6 m (8'6")	3.2 m (10'6")	3.9 m (12'10")
Direct fit Buckets	General purpose	870	0.87	1.1	750	2'6"	1 274	2,808	3	C	C	C	C
		1 000	1.00	1.3	900	2'11"	1 368	3,017	4	C	C	C	C
		1 180	1.18	1.5	1 050	3'5"	1 460	3,218	4	C	C	C	C
		1 420	1.42	1.9	1 200	3'11"	1 612	3,554	5	C	C	C	C
		1 670	1.67	2.2	1 350	4'5"	1 726	3,807	5	C	C	C	C
		1 920	1.92	2.5	1 500	4'11"	1 866	4,116	5	C	C	C	C
	Heavy duty	870	0.87	1.1	750	2'6"	1 352	2,981	3	D	D	D	D
		1 000	1.00	1.3	900	2'11"	1 440	3,176	4	D	D	D	D
		1 420	1.42	1.9	1 200	3'11"	1 715	3,781	5	D	D	D	D
		1 670	1.67	2.2	1 350	4'5"	1 852	4,084	5	D	D	D	D
		1 920	1.92	2.5	1 500	4'11"	1 985	4,377	5	D	D	D	D
		2 330	2.33	3.0	1 750	5'9"	2 175	4,796	5	D	D	D	D
Bucket type		Capacity			Cutting width		Weight		Teeth	EC380EL			
										800mm(24") shoe, 7 250kg(15,980lb) counterweight			
										6.2m(20'4") Boom		6.45m(21'2") Boom	
		L	m3	yd3	mm	ft/in	kg	lb	EA	2.6 m (8'6")	2.6 m (8'6")	3.2 m (10'6")	3.9 m (12'10")
Direct fit Buckets	General purpose	870	0.87	1.1	750	2'6"	1 274	2,808	3	C	C	C	C
		1 000	1.00	1.3	900	2'11"	1 368	3,017	4	C	C	C	C
		1 180	1.18	1.5	1 050	3'5"	1 460	3,218	4	C	C	C	C
		1 420	1.42	1.9	1 200	3'11"	1 612	3,554	5	C	C	C	C
		1 670	1.67	2.2	1 350	4'5"	1 726	3,807	5	C	C	C	C
		1 920	1.92	2.5	1 500	5'	1 866	4,116	5	C	C	C	C
		2 330	2.33	3.0	1 750	5'9"	1 967	4,337	5	C	C	C	C
	Heavy duty	870	0.87	1.1	750	2'6"	1 352	2,981	3	D	D	D	D
		1 000	1.00	1.3	900	2'11"	1 440	3,176	4	D	D	D	D
		1 420	1.42	1.9	1 200	3'11"	1 715	3,781	5	D	D	D	D
		1 670	1.67	2.2	1 350	4'5"	1 852	4,084	5	D	D	D	D
		1 920	1.92	2.5	1 500	4'11"	1 985	4,377	5	D	D	D	D
Direct fit Buckets (UQC interface)	General purpose	870	0.87	1.1	750	2'6"	1 274	2,808	3	C	C	C	C
		1 000	1.00	1.3	900	2'11"	1 368	3,017	4	C	C	C	C
		1 180	1.18	1.5	1 050	3'5"	1 460	3,218	4	C	C	C	C
		1 420	1.42	1.9	1 200	3'11"	1 612	3,554	5	C	C	C	C
		1 670	1.67	2.2	1 350	4'5"	1 726	3,807	5	C	C	C	C
		1 920	1.92	2.5	1 500	4'11"	1 866	4,116	5	C	C	C	C
		2 330	2.33	3.0	1 750	5'9"	1 967	4,337	5	C	B	A	X
	Heavy duty	870	0.87	1.1	750	2'6"	1 352	2,981	3	D	D	D	D
		1 000	1.00	1.3	900	2'11"	1 440	3,176	4	D	D	D	D
		1 420	1.42	1.9	1 200	3'11"	1 715	3,781	5	D	D	D	D
		1 670	1.67	2.2	1 350	4'5"	1 852	4,084	5	D	D	D	D
		1 920	1.92	2.5	1 500	4'11"	1 985	4,377	5	D	D	D	C
Quick coupler Buckets (S3 Quick coupler)	General purpose	2 330	2.33	3.0	1 750	5'9"	2 175	4,796	5	D	D	B	B
		1 000	1.00	1.3	900	2'11"	1 321	2,913	4	C	C	C	C
		1 180	1.18	1.5	1 050	3'5"	1 412	3,114	4	C	C	C	C
		1 420	1.42	1.9	1 200	3'11"	1 564	3,449	5	C	C	C	C
		1 670	1.67	2.2	1 350	4'5"	1 679	3,702	5	C	C	C	C
		1 920	1.92	2.5	1 500	4'11"	1 802	3,974	5	C	C	C	C
		1 000	1.00	1.3	900	2'11"	1 393	3,072	4	D	D	D	D
	Heavy duty	1 420	1.42	1.9	1 200	3'11"	1 648	3,634	5	D	D	D	D
		1 670	1.67	2.2	1 350	4'5"	1 791	3,950	5	D	D	D	D
		1 920	1.92	2.5	1 500	4'11"	1 921	4,235	5	D	D	D	D
		2 330	2.33	3.0	1 750	5'9"	2 119	4,673	5	D	D	C	B
		830	0.83	1.1	750	2'6"	1 104	2,434	3	D	D	D	D
Quick coupler Buckets (UQC36 Quick coupler)	Heavy duty	1 000	1.00	1.3	900	2'11"	1 202	2,650	3	D	D	D	D
		1 240	1.24	1.6	1 100	3'7"	1 370	3,021	4	D	D	D	D
		1 450	1.45	1.9	1 200	3'11"	1 435	3,164	4	D	D	D	D
		1 670	1.67	2.2	1 350	4'5"	1 570	3,462	5	D	D	D	D
		1 910	1.91	2.5	1 500	4'11"	1 725	3,804	5	D	D	D	D
Bucket type		Capacity			Cutting width		Weight		Teeth	EC380ELR			
										800mm(32") shoe, 8 200kg(18 080lb) counterweight			
										8.5m(27'11") Boom			
L	m3	yd3	mm	ft/in	kg	lb	EA	5.0m(16'5") Arm					
Direct fit Buckets	General purpose	1 400	1.40	1.8	1 495	4'11"	1 096	2,417	6	B			
	Fixed Ditching	950	0.95	1.2	1 500	4'11"	796	1,756	-	B			

Please consult with your Volvo dealer for the proper match of buckets and attachments to suit the application.

The recommendations are given as a guide only, based on typical operation conditions,

Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

X : Not recommended

Maximum material density

	kg/m3	lb/yd3	
A	1 200 ~ 1 300	2,000 ~ 2,200	Coal, Caliche, Shale
B	1 400 ~ 1 600	2,300 ~ 2,700	Wet earth and clay, Limestone, Sandstone
C	1 700 ~ 1 800	2,800 ~ 3,100	Granite, Wet sand, Well blasted rock
D	1 900	> 3,200	Wet mud, Iron ore

GROUND PRESSURE

EC350EL

Description	Shoe width		Operating weight		Ground pressure		Operating weight		Ground pressure	
	mm	in	kg	lb	kPa	psi	kg	lb	kPa	psi
Triple grouser	600	24	37 150	81,920	67.8	9.8	36 260	79,950	66.1	9.6
	700	28	37 780	83,300	59.1	8.6	36 890	81,340	57.7	8.4
	800	32	38 160	84,140	52.2	7.6	37 270	82,180	51.0	7.4
	900	36	38 660	85,250	47.0	6.8	37 770	83,280	45.9	6.7
Triple grouser(HD)	600	24	37 870	83,500	69.1	10.0	36 980	81,540	67.4	9.8
			EC350E with LC undercarriage, 6.2m/20'4" ME boom, 2.6m/8'6" ME arm, 1 574kg/3,470lb bucket, 6 700kg/14,770lb counterweight				EC350E with LC undercarriage, 6.45m/21'2" boom, 3.2m/10'6" arm, 1 574kg/3,470lb bucket, 6 200kg/13,670lb counterweight			

EC350EL

Description	Shoe width		Operating weight		Ground pressure		Operating weight		Ground pressure	
	mm	in	kg	lb	kPa	psi	kg	lb	kPa	psi
Triple grouser	600	24	36 760	81,060	67.0	9.7	36 950	81,470	67.4	9.8
	700	28	37 390	82,440	58.5	8.5	37 580	82,860	58.7	8.5
	800	32	37 770	83,280	51.7	7.5	37 960	83,700	51.9	7.5
	900	36	38 270	84,390	46.5	6.7	38 460	84,800	46.8	6.8
Triple grouser(HD)	600	24	37 480	82,640	68.4	9.9	37 670	83,060	68.7	10.0
			EC350E with LC undercarriage, 6.45m/21'2" boom, 3.2m/10'6" arm, 1 574kg/3,470lb bucket, 6 700kg/14,770lb counterweight				EC350E with LC undercarriage, 6.45m/21'2" boom, 3.9m/12'10" arm, 1 574kg/3,470lb bucket, 6 700kg/14,770lb counterweight			

EC380EL

Description	Shoe width		Operating weight		Ground pressure		Operating weight		Ground pressure	
	mm	in	kg	lb	kPa	psi	kg	lb	kPa	psi
Triple grouser	600	24	38 356	84,570	70.0	10.1	38 856	85,680	70.9	10.3
	700	28	38 798	85,550	60.7	8.8	39 298	86,650	61.4	8.9
	800	32	39 248	86,540	53.7	7.8	39 748	87,640	54.4	7.9
	900	36	39 692	87,520	48.3	7.0	40 192	88,620	48.9	7.1
Triple grouser(HD)	600	24	38 783	85,520	70.7	10.3	39 283	86,620	71.6	10.4
Double grouser	600	24	38 633	85,190	70.5	10.2	39 133	86,290	71.4	10.3
			EC380E with LC undercarriage, 6.45m/21'2" boom, 3.2m/10'6" arm, 1 574kg/3,470lb bucket, 6 200kg/13,670lb counterweight				EC380E with LC undercarriage, 6.45m/21'2" boom, 3.2m/10'6" arm, 1 574kg/3,470lb bucket, 6 700kg/14,770lb counterweight			

EC380EL

Description	Shoe width		Operating weight		Ground pressure		Operating weight		Ground pressure	
	mm	in	kg	lb	kPa	psi	kg	lb	kPa	psi
Triple grouser	600	24	39 406	86,890	71.9	10.4	40 732	89,810	74.3	10.8
	700	28	39 833	87,830	72.7	10.5	41 159	90,760	75.1	10.9
	800	32	39 848	87,860	62.3	9.0	41 174	90,790	64.4	9.3
	900	36	40 298	88,860	55.1	8.0	41 624	91,780	56.9	8.3
Triple grouser(HD)	600	24	40 742	89,840	49.5	7.2	42 068	92,760	51.2	7.4
Double grouser	600	24	39 683	87,500	72.4	10.5	41 009	90,420	74.8	10.8
			EC380E with LC undercarriage, 6.45m/21'2" boom, 3.2m/10'6" arm, 1 574kg/3,470lb bucket, 7 250kg/15,980lb counterweight				EC380ELR with LC undercarriage, 8.5m/27'11" boom, 5.0m/16'5" arm, 1 096kg/2,415lb bucket, 8 200kg/18,080lb counterweight			

Specifications

LIFTING CAPACITY EC350E

Lifting capacity 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 coupler from the following values.

	Lifting hook related to ground level	1.5m, 5 ft		3.0m, 10 ft		4.5m, 15 ft		6.0m, 20 ft		7.5m, 25 ft		9.0m, 30 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	max.
Boom : 6.2m (20'4") Arm : 2.6m (8'6") Shoe : 800mm (32") CWT : 6 200kg (13,670lb)	7.5 m kg							*10 700	*10 700					*10 880	9 580	6.7 m
	25 ft lb							*23,670	*23,670					*24,040	21,670	21.7 ft
	6 m kg							*11 230	*11 230	*10 740	7 890			*10 770	7 570	7.7 m
	20 ft lb							*24,500	*24,500	*23,740	16,930			*23,750	16,890	25.0 ft
	4.5 m kg					*15 870	*15 870	*12 680	10 920	*11 200	7 730			9 550	6 580	8.3 m
	15 ft lb					*34,100	*34,100	*27,490	23,550	24,150	16,640			21,170	14,590	27.1 ft
	3 m kg					*19 790	15 770	*14 480	10 360	10 940	7 470			8 900	6 100	8.6 m
	10 ft lb					*42,540	34,050	*31,340	22,370	23,570	16,100			19,650	13,470	28.1 ft
	1.5 m kg					*22 290	14 950	15 010	9 900	10 680	7 230			8 730	5 960	8.6 m
	5 ft lb					*48,160	32,220	32,310	21,370	23,010	15,590			19,260	13,140	28.2 ft
	0 m kg					*22 820	14 680	14 720	9 640	10 510	7 080			9 040	6 140	8.3 m
	0 ft lb					*49,500	31,590	31,660	20,790	22,660	15,270			19,940	13,530	27.3 ft
	-1.5 m kg			*17 820	*17 820	*22 000	14 700	14 650	9 580	10 500	7 060			9 970	6 740	7.8 m
	-5 ft lb			*40,560	*40,560	*47,770	31,620	31,510	20,660	22,650	15,270			22,030	14,890	25.5 ft
	-3 m kg			*26 470	*26 470	*19 840	14 930	14 810	9 730					12 110	8 110	6.9 m
	-10 ft lb			*57,500	*57,500	*42,950	32,140	31,890	21,000					26,930	18,040	22.4 ft
	-4.5 m kg					*15 280	*15 280							*12 270	11 800	5.4 m
	-15 ft lb					*32,470	*32,470							*26,940	26,740	17.4 ft
Boom : 6.45m (21'2") Arm : 2.6m (8'6") Shoe : 800mm (32") CWT : 6 200kg (13,670lb)	7.5 m kg							*10 330	*10 330					*10 490	8 920	7.0 m
	25 ft lb							*22,780	*22,780					*23,170	20,130	22.7 ft
	6 m kg							*11 090	*11 090	*10 430	7 950			10 350	7 190	8.0 m
	20 ft lb							*24,150	*24,150	*22,950	17,080			*23,020	16,020	25.9 ft
	4.5 m kg					*16 200	*16 200	*12 670	10 880	*11 060	7 750			9 120	6 310	8.5 m
	15 ft lb					*34,740	*34,740	*27,440	23,480	*24,110	16,700			20,200	13,990	27.9 ft
	3 m kg							*14 550	10 330	10 940	7 490			8 540	5 880	8.8 m
	10 ft lb							*31,460	22,310	23,570	16,150			18,850	12,980	28.9 ft
	1.5 m kg							14 970	9 900	10 680	7 250			8 390	5 750	8.8 m
	5 ft lb							32,230	21,360	23,010	15,650			18,500	12,680	29.0 ft
	0 m kg					*21 890	14 710	14 700	9 660	10 520	7 100			8 670	5 910	8.6 m
	0 ft lb					*49,710	31,650	31,630	20,840	22,660	15,330			19,110	13,040	28.2 ft
	-1.5 m kg			*14 940	*14 940	*22 090	14 750	14 640	9 610	10 490	7 080			9 490	6 450	8.1 m
	-5 ft lb			*34,100	*34,100	*47,970	31,730	31,500	20,720	22,620	15,290			20,970	14,250	26.4 ft
	-3 m kg			*26 570	*26 570	*20 130	14 970	14 780	9 730					11 330	7 650	7.2 m
	-10 ft lb			*57,790	*57,790	*43,610	32,210	31,820	21,010					25,180	17,000	23.4 ft
	-4.5 m kg			*21 150	*21 150	*16 220	15 430							*12 240	10 650	5.8 m
	-15 ft lb			*45,470	*45,470	*34,700	33,250							*26,920	24,030	18.7 ft
Boom : 6.45m (21'2") Arm : 3.2m (10'6") Shoe : 800mm (32") CWT : 6 200kg (13,670lb)	7.5 m kg									*9 400	8 200			*8 190	7 880	7.7 m
	25 ft lb									*20,720	18,080			*18,140	17,710	24.9 ft
	6 m kg									*9 630	8 130			*7 980	6 540	8.5 m
	20 ft lb									*21,140	17,490			*17,610	14,560	27.9 ft
	4.5 m kg					*14 530	*14 530	*11 770	11 130	*10 410	7 910	8 490	5 900	*8 060	5 820	9.1 m
	15 ft lb					*31,220	*31,220	*25,510	24,010	*22,710	17,040	18,720	13,010	*17,750	12,900	29.7 ft
	3 m kg					*18 730	16 150	*13 790	10 570	11 080	7 620	8 360	5 780	*7 890	5 460	9.3 m
	10 ft lb					*40,250	34,860	*29,830	22,810	23,870	16,440	17,990	12,450	*17,420	12,050	30.6 ft
	1.5 m kg					*21 810	15 240	15 180	10 080	10 790	7 360	8 220	5 650	*7 760	5 340	9.4 m
	5 ft lb					*47,070	32,850	32,660	21,760	23,250	15,870	17,710	12,180	17,110	11,780	30.7 ft
	0 m kg					*22 980	14 860	14 830	9 770	10 580	7 170	8 120	5 560	*7 970	5 460	9.1 m
	0 ft lb					*49,790	31,970	31,900	21,080	22,800	15,460	17,900	12,260	*17,570	12,040	29.9 ft
	-1.5 m kg	*10 640	*10 640	*15 150	*15 150	*22 740	14 790	14 690	9 650	10 490	7 080			8 600	5 870	8.6 m
	-5 ft lb	*23,470	*23,470	*34,280	*34,280	*49,330	31,810	31,590	20,810	22,610	15,290			19,000	12,980	28.3 ft
	-3 m kg	*17 630	*17 630	*23 890	*23 890	*21 310	14 920	14 740	9 700	10 560	7 140			9 970	6 780	7.8 m
	-10 ft lb	*39,510	*39,510	*54,150	*54,150	*46,180	32,090	31,710	20,920	22,780	15,450			22,120	15,030	25.5 ft
	-4.5 m kg			*24 740	*24 740	*18 290	15 250	*13 720	9 940					*12 050	8 800	6.6 m
	-15 ft lb			*53,320	*53,320	*39,340	32,850	*29,220	21,500					*26,590	19,760	21.3 ft
Boom : 6.45m (21'2") Arm : 3.9m (12'10") Shoe : 800mm (32") CWT : 6 200kg (13,670lb)	9 m kg													*6 930	*6 930	7.3 m
	30 ft lb													*15,430	*15,430	23.3 ft
	7.5 m kg									*8 240	*8 240			*6 480	*6 480	8.4 m
	25 ft lb									*18,250	17,990			*14,330	*14,330	27.4 ft
	6 m kg									*8 610	8 250	*7 710	6 060	*6 330	5 780	9.2 m
	20 ft lb									*18,870	17,760	*14,690	12,990	*13,960	12,860	30.2 ft
	4.5 m kg							*10 490	*10 490	*9 490	7 990	8 560	5 960	*6 380	5 210	9.7 m
	15 ft lb							*22,750	*22,750	*20,690	17,220	18,400	12,810	*14,060	11,530	31.9 ft
	3 m kg					*16 610	16 570	*12 610	10 710	*10 640	7 670	8 380	5 790	*6 630	4 900	10.0 m
	10 ft lb					*35,710	35,710	*27,280	23,110	*23,140	16,530	18,040	12,470	*14,570	10,810	32.7 ft
	1.5 m kg					*20 290	15 420	*14 630	10 140	10 800	7 350	8 200	5 620	*6 980	4 790	10.0 m
	5 ft lb					*43,770	33,240	*31,670	21,870	23,260	15,850	17,650	12,110	15,400	10,560	32.8 ft
	0 m kg			*9 360	*9 360	*22 310	14 800	14 800	9 730	10 530	7 100	8 050	5 480	*7 130	4 860	9.8 m
	0 ft lb			*21,280	*21,280	*48,290	31,850	31,820	20,980	22,680	15,320	17,340	11,820	15,720	10,730	32.1 ft
	-1.5 m kg	*9 550	*9 550	*14 260	*14 260	*22 790	14 570	14 560	9 520	10 370	6 960	7 980	5 420	*7 600	5 170	9.3 m
	-5 ft lb	*21,320	*21,320	*32,220	*32,220	*49,410	31,350	31,300	20,520	22,350	15,020	17,210	11,700	16,780	11,420	30.6 ft
	-3 m kg	*14 870	*14 870	*20 600	*20 600	*22 020	14 600	14 520	9 490	10 360	6 950			8 580	5 820	8.6 m
	-10 ft lb	*33,290	*33,290	*46,610	*46,610	*47,720	31,420	31,230	20,460	22,330	15,000			19,020	12,910	28.0 ft
	-4.5 m kg	*21 230	*21 230	*27 870	*27 870	*19 860	14 850	14 690	9 640					10 630	7 170	7.5 m
	-15 ft lb	*47,770	*47,770	*60,150	*60,150	*42,830	31,970	31,630	20,810					23,770	16,030	24.3 ft
	-6 m kg			*21 090	*21 090	*15 340	*15 340							*11 490	10 710	5.7 m
	-20 ft lb			*44,720	*44,720	*32,370	*32,370							*25,300	24,550	18.4 ft

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

LIFTING CAPACITY EC350E

Lifting capacity 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 coupler from the following values.

	Lifting hook related to ground level	1.5m, 5 ft		3.0m, 10 ft		4.5m, 15 ft		6.0m, 20 ft		7.5m, 25 ft		9.0m, 30 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	max.
Boom : 6.2m (20'4") Arm : 2.6m (8'6") Shoe : 800mm (32") CWT : 6 700kg (14,770lb)	7.5 m kg							*10 700	*10 700					*10 880	9 910	6.7 m
	25 ft lb							*23,670	*23,670					*24,040	22,410	21.7 ft
	6 m kg							*11 230	*11 230	*10 740	8 180			*10 770	7 850	7.7 m
	20 ft lb							*24,500	*24,500	*23,740	17,540			*23,750	17,500	25.0 ft
	4.5 m kg					*15 870	*15 870	*12 680	11 300	*11 200	8 010			9 860	6 830	8.3 m
	15 ft lb					*34,100	*34,100	*27,490	24,370	*24,470	17,250			21,840	15,140	27.1 ft
	3 m kg					*19 790	16 330	*14 480	10 740	11 290	7 750			9 190	6 340	8.6 m
	10 ft lb					*42,540	35,260	*31,340	23,180	24,320	16,710			20,290	14,000	28.1 ft
	1.5 m kg					*22 290	15 510	15 490	10 280	11 030	7 510			9 020	6 200	8.6 m
	5 ft lb					*48,160	33,430	33,340	22,180	23,760	16,210			19,900	13,660	28.2 ft
	0 m kg					*22 820	15 240	15 190	10 020	10 860	7 360			9 340	6 380	8.3 m
	0 ft lb					*49,500	32,800	32,690	21,610	23,400	15,880			20,600	14,080	27.3 ft
	-1.5 m kg			*17 820	*17 820	*22 000	15 260	15 120	9 960	10 850	7 350			10 300	7 010	7.8 m
	-5 ft lb			*40,560	*40,560	*47,770	32,830	32,540	21,470	23,400	15,880			22,760	15,480	25.5 ft
	-3 m kg			*26 470	*26 470	*19 840	15 500	*15 040	10 100					12 500	8 430	6.9 m
	-10 ft lb			*57,500	*57,500	*42,950	33,350	*32,380	21,810					*27,640	18,740	22.4 ft
	-4.5 m kg					*15 280	*15 280							*12 270	12 240	5.4 m
	-15 ft lb					*32,470	*32,470							*26,940	*26,940	17.4 ft
Boom : 6.45m (21'2") Arm : 2.6m (8'6") Shoe : 800mm (32") CWT : 6 700kg (14,770lb)	7.5 m kg							*10 330	*10 330					*10 490	9 230	7.0 m
	25 ft lb							*22,780	*22,780					*23,170	20,820	22.7 ft
	6 m kg							*11 090	*11 090	*10 430	8 230			*10 440	7 450	8.0 m
	20 ft lb							*24,150	*24,150	*22,950	17,690			*23,020	16,610	25.9 ft
	4.5 m kg					*16 200	*16 200	*12 670	11 260	*11 060	8 030			9 410	6 550	8.5 m
	15 ft lb					*34,740	*34,740	*27,440	24,290	*24,110	17,310			20,850	14,520	27.9 ft
	3 m kg							*14 550	10 710	11 290	7 770			8 820	6 110	8.8 m
	10 ft lb							*31,460	23,120	24,310	16,760			19,460	13,490	28.9 ft
	1.5 m kg							15 450	10 270	11 030	7 530			8 670	5 980	8.8 m
	5 ft lb							33,250	22,180	23,760	16,260			19,120	13,190	29.0 ft
	0 m kg					*21 890	15 270	15 180	10 040	10 860	7 390			8 960	6 150	8.6 m
	0 ft lb					*49,710	32,860	32,660	21,650	23,410	15,940			19,750	13,570	28.2 ft
	-1.5 m kg			*14 940	*14 940	*22 090	15 320	15 120	9 980	10 830	7 360			9 810	6 710	8.1 m
	-5 ft lb			*34,100	*34,100	*47,970	32,940	32,530	21,530	23,360	15,900			21,670	14,830	26.4 ft
	-3 m kg			*26 570	*26 570	*20 130	15 530	15 260	10 110					11 700	7 950	7.2 m
	-10 ft lb			*57,790	*57,790	*43,610	33,420	32,850	21,820					26,000	17,660	23.4 ft
	-4.5 m kg			*21 150	*21 150	*16 220	15 990							*12 240	11 040	5.8 m
	-15 ft lb			*45,470	*45,470	*34,700	34,460							*26,920	24,920	18.7 ft
Boom : 6.45m (21'2") Arm : 3.2m (10'6") Shoe : 800mm (32") CWT : 6 700kg (14,770lb)	7.5 m kg									*9 400	8 480			*8 190	8 150	7.7 m
	25 ft lb									*20,720	18,690			*18,140	*18,140	24.9 ft
	6 m kg									*9 630	8 410			*7 980	6 780	8.5 m
	20 ft lb									*21,140	18,100			*17,610	15,100	27.9 ft
	4.5 m kg					*14 530	*14 530	*11 770	11 510	*10 410	8 190	8 760	6 130	*8 060	6 050	9.1 m
	15 ft lb					*31,220	*31,220	*25,510	24,830	*22,710	17,650	19,310	13,510	*17,750	13,400	29.7 ft
	3 m kg					*18 730	16 710	*13 790	10 950	11 430	7 900	8 630	6 010	8 150	5 670	9.3 m
	10 ft lb					*40,250	36,070	*29,830	23,620	24,620	17,050	18,580	12,940	18,000	12,530	30.6 ft
	1.5 m kg					*21 810	15 800	*15 580	10 460	11 140	7 640	8 490	5 880	8 020	5 550	9.4 m
	5 ft lb					*47,070	34,060	33,690	22,570	23,990	16,480	18,300	12,670	17,680	12,250	30.7 ft
	0 m kg					*22 980	15 420	15 300	10 150	10 930	7 450	8 400	5 790	8 230	5 680	9.1 m
	0 ft lb					*49,790	33,180	32,920	21,890	23,550	16,070	18,520	12,760	18,160	12,530	29.9 ft
	-1.5 m kg	*10 640	*10 640	*15 150	*15 150	*22 740	15 350	15 170	10 030	10 840	7 370			8 890	6 110	8.6 m
	-5 ft lb	*23,470	*23,470	*34,280	*34,280	*49,330	33,020	32,620	21,620	23,360	15,900			19,640	13,500	28.3 ft
	-3 m kg	*17 630	*17 630	*23 890	*23 890	*21 310	15 480	15 220	10 070	10 900	7 430			10 300	7 040	7.8 m
	-10 ft lb	*39,510	*39,510	*54,150	*54,150	*46,180	33,300	32,740	21,730	23,530	16,060			22,850	15,630	25.5 ft
	-4.5 m kg			*24 740	*24 740	*18 290	15 820	*13 720	10 320					*12 050	9 140	6.6 m
	-15 ft lb			*53,320	*53,320	*39,340	34,060	*29,220	22,310					*26,590	20,510	21.3 ft
Boom : 6.45m (21'2") Arm : 3.9m (12'10") Shoe : 800mm (32") CWT : 6 700kg (14,770lb)	9 m kg													*6 930	*6 930	7.3 m
	30 ft lb													*15,430	*15,430	23.3 ft
	7.5 m kg									*8 240	*8 240			*6 480	*6 480	8.4 m
	25 ft lb									*18,250	*18,250			*14,330	*14,330	27.4 ft
	6 m kg									*8 610	8 530	*7 710	6 290	*6 330	6 000	9.2 m
	20 ft lb									*18,870	18,370	*14,690	13,480	*13,960	13,350	30.2 ft
	4.5 m kg							*10 490	*10 490	*9 490	8 280	8 830	6 180	*6 380	5 410	9.7 m
	15 ft lb							*22,750	*22,750	*20,690	17,830	18,990	13,300	*14,060	11,980	31.9 ft
	3 m kg					*16 610	*16 610	*12 610	11 090	*10 640	7 950	8 650	6 020	*6 630	5 100	10.0 m
	10 ft lb					*35,710	*35,710	*27,280	23,930	*23,140	17,150	18,630	12,960	*14,570	11,250	32.7 ft
	1.5 m kg					*20 290	15 990	*14 630	10 510	11 150	7 630	8 470	5 850	*7 060	4 990	10.0 m
	5 ft lb					*43,770	34,450	*31,670	22,680	24,010	16,470	18,240	12,600	*15,550	11,000	32.8 ft
	0 m kg			*9 360	*9 360	*22 310	15 360	15 270	10 110	10 880	7 390	8 320	5 710	*7 370	5 070	9.8 m
	0 ft lb			*21,280	*21,280	*48,290	33,060	32,850	21,790	23,430	15,930	17,930	12,310	16,260	11,180	32.1 ft
	-1.5 m kg	*9 550	*9 550	*14 260	*14 260	*22 790	15 130	15 030	9 890	10 720	7 250	8 250	5 650	*7 860	5 390	9.3 m
	-5 ft lb	*21,320	*21,320	*32,220	*32,220	*49,410	32,560	32,330	21,330	23,100	15,630	17,800	12,190	*17,360	11,900	30.6 ft
	-3 m kg	*14 870	*14 870	*20 600	*20 600	*22 020	15 170	15 000	9 860	10 710	7 230			8 870	6 060	8.6 m
	-10 ft lb	*33,290	*33,290	*46,610	*46,610	*47,720	32,630	32,260	21,270	23,080	15,610			19,660	13,440	28.0 ft
	-4.5 m kg	*21 230	*21 230	*27 870	*27 870	*19 860	15 410	*14 970	10 010					10 980	7 460	7.5 m
	-15 ft lb	*47,770	*47,770	*60,150	*60,150	*42,830	33,180	*32,180	21,620					24,550	16,670	24.3 ft
	-6 m kg			*21 090	*21 090	*15 340	*15 340							*11 490	11 110	5.7 m
	-20 ft lb			*44,720	*44,720	*32,370	*32,370							*25,300	*25,300	18.4 ft

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

Specifications

LIFTING CAPACITY EC350E

Lifting capacity 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 coupler from the following values.

	Lifting hook related to ground level	1.5m, 5 ft		3.0m, 10 ft		4.5m, 15 ft		6.0m, 20 ft		7.5m, 25 ft		9.0m, 30 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	max.
Boom : 6.2m (20'4") Arm : 2.6m (8'6") Shoe : 900mm (36") CWT : 6 200kg (13,670lb)	7.5 m kg							*10 700	*10 700					*10 880	9 670	6.7 m
	25 ft lb							*23,670	*23,670					*24,040	21,860	21.7 ft
	6 m kg							*11 230	*11 230	*10 740	7 970			*10 770	7 640	7.7 m
	20 ft lb							*24,500	*24,500	*23,740	17,090			*23,750	17,050	25.0 ft
	4.5 m kg					*15 870	*15 870	*12 680	*11 020	*11 200	7 800			9 650	6 650	8.3 m
	15 ft lb					*34,100	*34,100	*27,490	23,760	24,390	16,800			21,380	14,730	27.1 ft
	3 m kg					*19 790	15 920	*14 480	10 460	11 050	7 540			8 990	6 160	8.6 m
	10 ft lb					*42,540	34,360	*31,340	22,580	23,800	16,260			19,850	13,610	28.1 ft
	1.5 m kg					*22 290	15 100	15 170	10 000	10 790	7 300			8 830	6 020	8.6 m
	5 ft lb					*48,160	32,540	32,640	21,580	23,250	15,750			19,460	13,270	28.2 ft
	0 m kg					*22 820	14 830	14 870	9 740	10 620	7 150			9 140	6 200	8.3 m
	0 ft lb					*49,500	31,900	31,980	21,000	22,890	15,430			20,150	13,670	27.3 ft
	-1.5 m kg			*17 820	*17 820	*22 000	14 850	14 800	9 680	10 610	7 140			10 080	6 810	7.8 m
	-5 ft lb			*40,560	*40,560	*47,770	31,940	31,830	20,870	22,890	15,430			22,270	15,040	25.5 ft
	-3 m kg			*26 470	*26 470	*19 840	15 080	14 960	9 820					12 230	8 200	6.9 m
	-10 ft lb			*57,500	*57,500	*42,950	32,450	32,210	21,210					27,210	18,220	22.4 ft
	-4.5 m kg					*15 280	*15 280							*12 270	11 910	5.4 m
	-15 ft lb					*32,470	*32,470							*26,940	*26,940	17.4 ft
Boom : 6.45m (21'2") Arm : 2.6m (8'6") Shoe : 900mm (36") CWT : 6 200kg (13,670lb)	7.5 m kg							*10 330	*10 330					*10 490	9 000	7.0 m
	25 ft lb							*22,780	*22,780					*23,170	20,310	22.7 ft
	6 m kg							*11 090	*11 090	*10 430	8 020			*10 440	7 260	8.0 m
	20 ft lb							*24,150	*24,150	*22,950	17,240			*23,020	16,170	25.9 ft
	4.5 m kg					*16 200	*16 200	*12 670	10 980	*11 060	7 830			9 210	6 370	8.5 m
	15 ft lb					*34,740	*34,740	*27,440	23,690	*24,110	16,860			20,410	14,120	27.9 ft
	3 m kg							*14 550	10 430	11 050	7 560			8 620	5 940	8.8 m
	10 ft lb							*31,460	22,520	23,800	16,310			19,040	13,110	28.9 ft
	1.5 m kg							15 120	10 000	10 790	7 330			8 480	5 810	8.8 m
	5 ft lb							32,550	21,570	23,250	15,810			18,700	12,820	29.0 ft
	0 m kg					*21 890	14 850	14 850	9 760	10 630	7 180			8 760	5 980	8.6 m
	0 ft lb					*49,710	31,960	31,960	21,050	22,900	15,490			19,310	13,180	28.2 ft
	-1.5 m kg			*14 940	*14 940	*22 090	14 900	14 790	9 710	10 600	7 150			9 590	6 520	8.1 m
	-5 ft lb			*34,100	*34,100	*47,970	32,040	31,820	20,930	22,850	15,450			21,190	14,400	26.4 ft
	-3 m kg			*26 570	*26 570	*20 130	15 120	14 940	9 830					11 450	7 730	7.2 m
	-10 ft lb			*57,790	*57,790	*43,610	32,520	32,150	21,220					25,440	17,170	23.4 ft
	-4.5 m kg			*21 150	*21 150	*16 220	15 570							*12 240	10 750	5.8 m
	-15 ft lb			*45,470	*45,470	*34,700	33,560							*26,920	24,260	18.7 ft
Boom : 6.45m (21'2") Arm : 3.2m (10'6") Shoe : 900mm (36") CWT : 6 200kg (13,670lb)	7.5 m kg									*9 400	8 270			*8 190	7 950	7.7 m
	25 ft lb									*20,720	18,230			*18,140	17,870	24.9 ft
	6 m kg									*9 630	8 200			*7 980	6 600	8.5 m
	20 ft lb									*21,140	17,650			*17,610	14,700	27.9 ft
	4.5 m kg					*14 530	*14 530	*11 770	11 230	*10 410	7 980	8 580	5 960	*8 060	5 880	9.1 m
	15 ft lb					*31,220	*31,220	*25,510	24,230	*22,710	17,190	18,910	13,140	*17,750	13,030	29.7 ft
	3 m kg					*18 730	16 300	*13 790	10 670	11 190	7 700	8 450	5 840	*7 970	5 510	9.3 m
	10 ft lb					*40,250	35,170	*29,830	23,020	24,110	16,600	18,180	12,580	*17,600	12,170	30.6 ft
	1.5 m kg					*21 810	15 390	15 330	10 180	10 900	7 430	8 310	5 710	*7 840	5 400	9.4 m
	5 ft lb					*47,070	33,160	32,990	21,970	23,480	16,030	17,890	12,310	*17,290	11,900	30.7 ft
	0 m kg					*22 980	15 000	14 980	9 870	10 690	7 240	8 210	5 620	*8 050	5 520	9.1 m
	0 ft lb					*49,790	32,290	32,220	21,290	23,030	15,620	18,100	12,390	*17,760	12,170	29.9 ft
	-1.5 m kg	*10 640	*10 640	*15 150	*15 150	*22 740	14 930	14 840	9 750	10 600	7 160			8 690	5 940	8.6 m
	-5 ft lb	*23,470	*23,470	*34,280	*34,280	*49,330	32,120	31,920	21,020	22,850	15,450			19,210	13,110	28.3 ft
	-3 m kg	*17 630	*17 630	*23 890	*23 890	*21 310	15 060	14 890	9 790	10 670	7 220			10 070	6 850	7.8 m
	-10 ft lb	*39,510	*39,510	*54,150	*54,150	*46,180	32,410	32,040	21,130	23,020	15,600			22,350	15,190	25.5 ft
	-4.5 m kg			*24 740	*24 740	*18 290	15 400	*13 720	10 040					*12 050	8 890	6.6 m
	-15 ft lb			*53,320	*53,320	*39,340	33,170	*29,220	21,710					*26,590	19,950	21.3 ft
Boom : 6.45m (21'2") Arm : 3.9m (12'10") Shoe : 900mm (36") CWT : 6 200kg (13,670lb)	9 m kg													*6 930	*6 930	7.3 m
	30 ft lb													*15,430	*15,430	23.3 ft
	7.5 m kg									*8 240	*8 240			*6 480	*6 480	8.4 m
	25 ft lb									*18,250	18,150			*14,330	*14,330	27.4 ft
	6 m kg									*8 610	8 330	*7 710	6 120	*6 330	5 840	9.2 m
	20 ft lb									*18,870	17,920	*14,690	13,120	*13,960	12,990	30.2 ft
	4.5 m kg							*10 490	*10 490	*9 490	8 070	8 640	6 020	*6 380	5 260	9.7 m
	15 ft lb							*22,750	*22,750	*20,690	17,380	18,590	12,930	*14,060	11,650	31.9 ft
	3 m kg					*16 610	*16 610	*12 610	10 810	*10 640	7 740	8 470	5 850	*6 630	4 950	10.0 m
	10 ft lb					*35,710	*35,710	*27,280	23,320	*23,140	16,690	18,220	12,590	*14,570	10,930	32.7 ft
	1.5 m kg					*20 290	15 570	*14 630	10 240	10 910	7 430	8 280	5 680	*7 060	4 840	10.0 m
	5 ft lb					*43,770	33,560	*31,670	22,080	23,500	16,010	17,840	12,230	*15,550	10,670	32.8 ft
	0 m kg			*9 360	*9 360	*22 310	14 940	14 950	9 830	10 640	7 180	8 130	5 540	*7 210	4 920	9.8 m
	0 ft lb			*21,280	*21,280	*48,290	32,170	32,150	21,190	22,920	15,480	17,530	11,950	15,890	10,850	32.1 ft
	-1.5 m kg	*9 550	*9 550	*14 260	*14 260	*22 790	14 720	14 710	9 620	10 480	7 040	8 070	5 480	*7 680	5 230	9.3 m
	-5 ft lb	*21,320	*21,320	*32,220	*32,220	*49,410	31,660	31,630	20,730	22,580	15,180	17,400	11,830	16,970	11,540	30.6 ft
	-3 m kg	*14 870	*14 870	*20 600	*20 600	*22 020	14 750	14 670	9 580	10 470	7 020			8 670	5 880	8.6 m
	-10 ft lb	*33,290	*33,290	*46,610	*46,610	*47,720	31,730	31,560	20,670	22,570	15,160			19,220	13,040	28.0 ft
	-4.5 m kg	*21 230	*21 230	*27 870	*27 870	*19 860	15 000	14 840	9 730					10 740	7 250	7.5 m
	-15 ft lb	*47,770	*47,770	*60,150	*60,150	*42,830	32,290	31,950	21,020					24,020	16,200	24.3 ft
	-6 m kg			*21 090	*21 090	*15 340	*15 340							*11 490	10 810	5.7 m
	-20 ft lb			*44,720	*44,720	*32,370	*32,370							*25,300	24,790	18.4 ft

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J11097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

LIFTING CAPACITY EC350E

Lifting capacity 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 coupler from the following values.

	Lifting hook related to ground level	1.5m, 5 ft		3.0m, 10 ft		4.5m, 15 ft		6.0m, 20 ft		7.5m, 25 ft		9.0m, 30 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	max.
Boom : 6.2m (20'4") Arm : 2.6m (8'6") Shoe : 900mm (36") CWT : 6 700kg (14,770lb)	7.5 m kg							*10 700	*10 700					*10 880	9 990	6.7 m
	25 ft lb							*23,670	*23,670					*24,040	22,600	21.7 ft
	6 m kg							*11 230	*11 230	*10 740	8 250			*10 770	7 920	7.7 m
	20 ft lb							*24,500	*24,500	*23,740	17,700			*23,750	17,660	25.0 ft
	4.5 m kg					*15 870	*15 870	*12 680	11 390	*11 200	8 080			9 950	6 900	8.3 m
	15 ft lb					*34,100	*34,100	*27,490	24,580	*24,470	17,410			22,050	15,290	27.1 ft
	3 m kg					*19 790	16 480	*14 480	10 840	11 400	7 830			9 280	6 400	8.6 m
	10 ft lb					*42,540	35,570	*31,340	23,390	24,550	16,870			20,490	14,140	28.1 ft
	1.5 m kg					*22 290	15 660	15 640	10 380	11 140	7 590			9 120	6 260	8.6 m
	5 ft lb					*48,160	33,750	33,660	22,390	23,990	16,360			20,100	13,800	28.2 ft
	0 m kg					*22 820	15 390	15 350	10 120	10 970	7 430			9 440	6 450	8.3 m
	0 ft lb					*49,500	33,120	33,010	21,820	23,640	16,040			20,810	14,220	27.3 ft
	-1.5 m kg			*17 820	*17 820	*22 000	15 410	15 280	10 050	10 960	7 420			10 400	7 080	7.8 m
	-5 ft lb			*40,560	*40,560	*47,770	33,150	32,860	21,680	23,640	16,040			22,990	15,640	25.5 ft
	-3 m kg			*26 470	*26 470	*19 840	15 640	*15 040	10 200					*12 530	8 510	6.9 m
	-10 ft lb			*57,500	*57,500	*42,950	33,660	*32,380	22,020					*27,640	18,920	22.4 ft
	-4.5 m kg					*15 280	*15 280							*12 270	*12 270	5.4 m
	-15 ft lb					*32,470	*32,470							*26,940	*26,940	17.4 ft
Boom : 6.45m (21'2") Arm : 2.6m (8'6") Shoe : 900mm (36") CWT : 6 700kg (14,770lb)	7.5 m kg							*10 330	*10 330					*10 490	9 310	7.0 m
	25 ft lb							*22,780	*22,780					*23,170	21,000	22.7 ft
	6 m kg							*11 090	*11 090	*10 430	8 300			*10 440	7 520	8.0 m
	20 ft lb							*24,150	*24,150	*22,950	17,850			*23,020	16,760	25.9 ft
	4.5 m kg					*16 200	*16 200	*12 670	11 360	*11 060	8 110			9 510	6 620	8.5 m
	15 ft lb					*34,740	*34,740	*27,440	24,510	*24,110	17,470			21,050	14,660	27.9 ft
	3 m kg							*14 550	10 810	11 400	7 840			8 900	6 170	8.8 m
	10 ft lb							*31,460	23,330	24,550	16,920			19,660	13,630	28.9 ft
	1.5 m kg							15 600	10 370	11 140	7 610			8 760	6 040	8.8 m
	5 ft lb							33,580	22,390	24,000	16,420			19,310	13,330	29.0 ft
	0 m kg					*21 890	15 420	15 330	10 130	10 970	7 460			9 050	6 220	8.6 m
	0 ft lb					*49,710	33,170	32,980	21,860	23,650	16,100			19,950	13,710	28.2 ft
	-1.5 m kg			*14 940	*14 940	*22 090	15 460	15 270	10 080	10 940	7 430			9 910	6 780	8.1 m
	-5 ft lb			*34,100	*34,100	*47,970	33,260	32,850	21,740	23,600	16,060			21,890	14,970	26.4 ft
	-3 m kg			*26 570	*26 570	*20 130	15 680	15 410	10 210					11 820	8 030	7.2 m
	-10 ft lb			*57,790	*57,790	*43,610	33,740	33,180	22,030					26,260	17,830	23.4 ft
	-4.5 m kg			*21 150	*21 150	*16 220	16 140							*12 240	11 140	5.8 m
	-15 ft lb			*45,470	*45,470	*34,700	*34,700							*26,920	25,150	18.7 ft
Boom : 6.45m (21'2") Arm : 3.2m (10'6") Shoe : 900mm (36") CWT : 6 700kg (14,770lb)	7.5 m kg									*9 400	8 550			*8 190	*8 190	7.7 m
	25 ft lb									*20,720	18,850			*18,140	*18,140	24.9 ft
	6 m kg									*9 630	8 480			*7 980	6 840	8.5 m
	20 ft lb									*21,140	18,260			*17,610	15,240	27.9 ft
	4.5 m kg					*14 530	*14 530	*11 770	11 610	*10 410	8 260	*8 820	6 190	*8 060	6 110	9.1 m
	15 ft lb					*31,220	*31,220	*25,510	25,040	*22,710	17,800	*19,440	13,650	*17,750	13,530	29.7 ft
	3 m kg					*18 730	16 860	*13 790	11 040	*11 460	7 980	8 720	6 070	8 230	5 730	9.3 m
	10 ft lb					*40,250	36,380	*29,830	23,830	24,860	17,210	18,770	13,070	18,180	12,650	30.6 ft
	1.5 m kg					*21 810	15 950	*15 580	10 560	11 250	7 710	8 580	5 940	8 100	5 610	9.4 m
	5 ft lb					*47,070	34,370	*33,720	22,780	24,230	16,640	18,480	12,800	17,860	12,380	30.7 ft
	0 m kg					*22 980	15 560	15 460	10 250	11 040	7 520	8 480	5 850	8 320	5 740	9.1 m
	0 ft lb					*49,790	33,500	33,250	22,100	23,780	16,230	18,690	12,900	18,350	12,660	29.9 ft
	-1.5 m kg	*10 640	*10 640	*15 150	*15 150	*22 740	15 490	15 320	10 120	10 950	7 440			8 980	6 170	8.6 m
	-5 ft lb	*23,470	*23,470	*34,280	*34,280	*49,330	33,330	32,940	21,830	23,600	16,060			19,840	13,640	28.3 ft
	-3 m kg	*17 630	*17 630	*23 890	*23 890	*21 310	15 630	15 370	10 170	11 010	7 500			10 400	7 110	7.8 m
	-10 ft lb	*39,510	*39,510	*54,150	*54,150	*46,180	33,620	33,060	21,940	23,770	16,220			23,080	15,780	25.5 ft
	-4.5 m kg			*24 740	*24 740	*18 290	15 960	*13 720	10 420					*12 050	9 230	6.6 m
	-15 ft lb			*53,320	*53,320	*39,340	34,380	*29,220	22,520					*26,590	20,700	21.3 ft
Boom : 6.45m (21'2") Arm : 3.9m (12'10") Shoe : 900mm (36") CWT : 6 700kg (14,770lb)	9 m kg													*6 930	*6 930	7.3 m
	30 ft lb													*15,430	*15,430	23.3 ft
	7.5 m kg									*8 240	*8 240			*6 480	*6 480	8.4 m
	25 ft lb									*18,250	*18,250			*14,330	*14,330	27.4 ft
	6 m kg									*8 610	*8 610	*7 710	6 350	*6 330	6 060	9.2 m
	20 ft lb									*18,870	18,530	*14,690	13,610	*13,960	13,480	30.2 ft
	4.5 m kg							*10 490	*10 490	*9 490	8 350	8 920	6 240	*6 380	5 470	9.7 m
	15 ft lb							*22,750	*22,750	*20,690	17,990	19,180	13,420	*14,060	12,100	31.9 ft
	3 m kg					*16 610	*16 610	*12 610	11 190	*10 640	8 030	8 740	6 080	*6 630	5 150	10.0 m
	10 ft lb					*35,710	*35,710	*27,280	24,140	*23,140	17,300	18,810	13,080	*14,570	11,370	32.7 ft
	1.5 m kg					*20 290	16 130	*14 630	10 610	11 260	7 710	8 550	5 900	*7 060	5 040	10.0 m
	5 ft lb					*43,770	34,770	*31,670	22,890	24,250	16,620	18,420	12,720	*15,550	11,110	32.8 ft
	0 m kg			*9 360	*9 360	*22 310	15 500	15 420	10 200	10 990	7 460	8 410	5 770	*7 450	5 120	9.8 m
	0 ft lb			*21,280	*21,280	*48,290	33,380	33,180	22,000	23,660	16,090	18,120	12,440	16,430	11,300	32.1 ft
	-1.5 m kg	*9 550	*9 550	*14 260	*14 260	*22 790	15 280	15 190	9 990	10 890	7 320	8 340	5 700	*7 940	5 440	9.3 m
	-5 ft lb	*21,320	*21,320	*32,220	*32,220	*49,410	32,870	32,660	21,540	23,330	15,790	17,990	12,320	17,540	12,020	30.6 ft
	-3 m kg	*14 870	*14 870	*20 600	*20 600	*22 020	15 310	15 150	9 960	10 820	7 300			8 960	6 120	8.6 m
	-10 ft lb	*33,290	*33,290	*46,610	*46,610	*47,720	32,940	32,590	21,480	23,320	15,770			19,870	13,570	28.0 ft
	-4.5 m kg	*21 230	*21 230	*27 870	*27 870	*19 860	15 560	*14 970	10 110					11 090	7 530	7.5 m
	-15 ft lb	*47,770	*47,770	*60,150	*60,150	*42,830	33,500	*32,180	21,830					24,800	16,830	24.3 ft
	-6 m kg			*21 090	*21 090	*15 340								*11 490	11 210	5.7 m
	-20 ft lb			*44,720	*44,720	*32,370	*32,370							*25,300	*25,300	18.4 ft

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

Equipment

STANDARD EQUIPMENT

	EC350E	EC380E
Engine		
Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets Tier 4f requirements	•	•
Air filter with indicator	•	•
Air intake heater	•	•
Cyclone pre-cleaner	•	•
Electric engine shut-off	•	•
Fuel filter and water separator	•	•
Fuel filler pump: 50 l/min(13.2 gal/min), with automatic shut-off	•	•
Alternator, 80 A	•	•
Electric / Electronic control system		
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 8inch LCD color monitor	•	•
Master electrical disconnect switch	•	•
Engine restart prevention circuit	•	•
Frame-mounted 2	•	•
Boom-mounted 2	•	•
Batteries, 2 x 12 V / 200 Ah	•	•
Start motor, 24 V / 7 kW	•	•
Frame		
Access way with handrail	•	•
Tool storage area	•	•
Punched metal anti-slip plates	•	•
Hydraulic system		
Hose rupture valve: boom	•	•
Overload warning device	•	•
2-pump flow bucket circuit	•	•
Summation system	•	•
Boom priority	•	•
Arm priority	•	•
Swing priority	•	•
Boom, arm and bucket regeneration valves	•	•
Swing 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	•	•
Cab and interior		
ROPS (ISO12117-2) certified cab	•	•
Silicon oil and rubber mounts with spring	•	•
Travel pedals and hand levers	•	•
Adjustable operator seat and joystick control console	•	•
Control joysticks with 4 switches each	•	•
Heater & air-conditioner, automatic	•	•
Flexible antenna	•	•
AM/FM stereo with MP3, USB and bluetooth input	•	•
Hydraulic safety lock lever	•	•
Cup holders	•	•
Door locks	•	•
Tinted glass	•	•
Floor mat	•	•
Horn	•	•
Large storage area	•	•
Pull-up type front window	•	•

STANDARD EQUIPMENT

	EC350E	EC380E
Removable lower windshield	•	•
Seat belt	•	•
* Safety glass	•	•
Sun screens, front, roof, rear	•	•
Rain shield	•	•
* Windshield wiper with intermittent feature	•	•
Rear view camera	•	•
Master key	•	•
Undercover (heavy-duty)	•	•
Hydraulic track adjusters	•	•
Greased and sealed track link	•	•
Track Guard	•	•
800 mm(32") with triple grousers	•	•
6.45 m (21'2") GP	•	—
6.45 m (21'2") HD	—	•
3.2 m (10'6") GP	•	—
3.2 m (10'6") HD	—	•
Manual centralized lubrication	•	•

OPTIONAL EQUIPMENT

	EC350E	EC380E
Engine		
Block heater: 120 V, 240 V	•	•
Oil bath pre-cleaner	•	•
Diesel coolant heater, 10 kW	•	•
Water separator with heater	•	•
Auto engine shutdown	•	•
Electric		
* Extra work lights: Halogen/LED	•	•
Cab-mounted 3	•	•
Boom-mounted 2	•	•
Counterweight-mounted 1	•	•
Travel alarm	•	•
Anti-theft system	•	•
Rotating warning beacon	•	•
Undercarriage		
Full track guard	•	•
Hydraulic System		
Hose rupture valve: arm	•	•
Boom float function	•	•
Hydraulic piping:	•	•
Work tool management system (up to 20 programmable memories)	•	•
Breaker & shear, 1 and 2 pump flow	•	•
Breaker & shear:	•	•
variable flow and pressure pre-setting	•	•

OPTIONAL EQUIPMENT

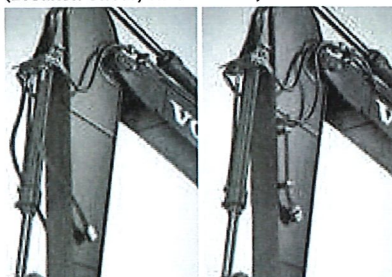
	EC350E	EC380E
Additional return filter	•	•
Slope & rotator	•	•
Grapple	•	•
Oil leak (drain) line	•	•
Quick coupler piping	•	•
Volvo hydraulic quick coupler S3	•	•
Volvo hydraulic quick coupler	•	•
VQC-HU,DR38	•	•
Hydraulic oil, ISO VG 32	•	•
Hydraulic oil, ISO VG 46	•	•
Hydraulic oil, ISO VG 68	•	•
Hydraulic oil, biodegradable 46	•	•
Hydraulic oil, longlife oil 32	•	•
Hydraulic oil, longlife oil 46	•	•
Hydraulic oil, longlife oil 68	•	•
Counterweight		
6 200 kg(13,670lb)	•	•
6 700 kg(14,770lb)	•	•
7 250 kg(15,980lb)	—	•
8 200 kg(18,080lb) for long reach	—	•
Cab and interior		
Fabric seat with heater	•	•
Fabric seat with heater and air suspension	•	•
Pilot control pattern change	•	•
Opening top hatch	•	•
Falling object guard (FOG)	•	•

OPTIONAL EQUIPMENT

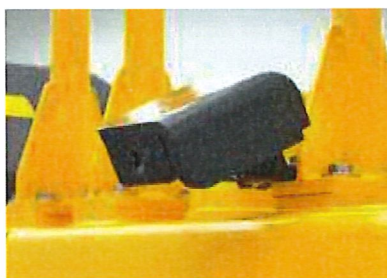
	EC350E	EC380E
Frame-mounted	•	•
Cab-mounted	•	•
Cab-mounted falling object protective structure (FOPS)	•	•
Smoker kit (ashtray and lighter)	•	•
Safety net for front window	•	•
Lower wiper with intermittent control	•	•
Anti-vandalism kit	•	•
Specific key	•	•
Track shoes		
Track shoes 600/700/800/900 mm(24/28/32/36") with triple grousers	•	•
Track shoes 600 mm(24") HD with triple grousers and HD links	—	•
Track shoes 600 mm(24") with double grousers	•	•
Digging Equipment		
6.2 m(20'4") ME	•	•
8.5 m(27'11") LR	—	•
2.6 m(8'6") ME	•	•
3.9 m(12'10") GP	•	—
3.9 m(12'10") HD	—	•
5.0 m(16'5") LR	—	•
Linkage with lifting eye	•	•
Service		
Tool kit, daily maintenance	•	•
Tool kit, full scale	•	•
Automatic lubrication system	•	•
Air compressor	•	•

SELECTION OF VOLVO OPTIONAL EQUIPMENT

**Auxiliary hydraulics
(Breaker/Shear, Tilt / Rotator)**



Side-view camera



LED Lights



Air compressor



Long reach (EC380E only)



Mass excavation



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

VOLVO

Volvo Construction Equipment

www.volvoce.com

VOLVO

Volvo Construction Equipment North America Warranty – Disclaimers – Limitations Limited Warranty

Volvo Construction Equipment North America ("Volvo CE") hereby extends to its authorized dealers ("Dealer") and the Dealer's end-use customers ("Customer", and both Dealer and Customer are referred to herein as a "Buyer"), who purchase a new Volvo construction equipment machine ("Machine") or new Volvo part ("Part", both of which are referred to herein as a "Product") from Volvo the following limited warranty:

Subject to the exceptions and limitations set forth below, Volvo CE or Dealer will repair or replace any part of a new Machine or new Part which proves to be defective in material or workmanship during the following periods (the "Warranty Period"):

- Volvo wheel loaders: 12 months/2500 hours, whichever first occurs
- Volvo articulated haulers: 12 months/2500 hours, whichever first occurs
- Volvo hydraulic excavators: 12 months/2500 hours, whichever first occurs
- Volvo motor graders: 12 months/2500 hours, whichever first occurs
- Volvo compactors: 12 months/2500 hours, whichever first occurs
24 month unlimited hours on DD90 and larger compactors
- Volvo pavers: 12 months/2500 hours, whichever first occurs
24 month unlimited hours on 6000 / 7000 series pavers
- Volvo milling: 12 months/2500 hours, whichever first occurs
- Volvo compact wheel loaders (up to 100 net hp.): 12 months/unlimited hours
- Volvo skid steer loaders: 12 months/unlimited hours; Lifetime arm for one-sided
- Volvo compact hydraulic excavators (less than 11 metric tons): 12 months/unlimited hours
- Volvo backhoe loaders: 12 months/unlimited hours
- Volvo engines: 12 months/2500 hours, whichever first occurs
- Volvo parts: 6 months/1500 hours, whichever first occurs
- Volvo remanufactured components: 12 months/2500 hours, whichever first occurs
- Volvo Attachments: 12 months

The Warranty Period commences immediately following the delivery of said Product to the Buyer who first puts said Product into use. The foregoing limited warranty shall include the labor cost to accomplish the repair or replacement of the defective part provided that the repair or replacement was performed by a Dealer.

The foregoing warranty does not cover: (i) any Product found to have been damaged by abuse, accident, other casualty or a failure to maintain or use the warranted Product in accordance with the applicable manuals or instructions (Buyer is required to use only original equipment manufacturer filters during the Warranty Period); (ii) the labor costs to repair or replace defective Parts after the expiration of the Warranty Period of the Machine in which such Part is located; (iii) overtime labor premiums; (iv) costs and expenses associated with the transportation of Dealer's service personnel to and from the location of the warranted Product; (v) any parts, components, attachments or accessories for which Buyer receives a separate warranty by the manufacturer or producer thereof (in specified cases said warranty may be administered by Volvo CE); (vi) maintenance items or ground engaging parts that have achieved their normal service life.

DISCLAIMER OF IMPLIED WARRANTIES AND LIMITATION OF REMEDIES

THE FOREGOING WARRANTY TO BUYER IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

REMEDIES AVAILABLE TO BUYER ARE LIMITED TO MAKING A CLAIM UNDER THE FOREGOING WARRANTY AND ARE EXCLUSIVE AND EXPRESSLY LIMITED TO OBTAINING THE PARTS AND LABOR IN ACCORDANCE WITH THE TERMS OF SAID WARRANTY.

Warranty – Disclaimers – Limitations

LIMITATIONS OF LIABILITY AND DAMAGES

Regardless of whether a claim against Volvo CE or Dealer is based on the foregoing warranty or is an action in contract, tort (negligence or strict liability) or otherwise, their respective liability for losses, damages or expenses of any kind arising from the design, manufacture, repair or sale of the Products is limited, unless otherwise prohibited by law, to an amount not exceeding the cost performing the obligations contained in the foregoing warranty, and in no event shall their respective or joint liability exceed the value of the Product or part thereof giving rise to such liability.

CONSEQUENTIAL AND SIMILAR DAMAGES NOT RECOVERABLE

Except for performing the obligations of the foregoing warranty in accordance with its terms, Volvo CE and Dealer shall have no liability for loss, damage, or expense, directly or indirectly, attributable to a loss of use of a Product, loss or damage to property other than the Product, loss or damage to the Product or any part thereof or any other economic or commercial loss, including, without limitation, lost profits or special or consequential damages (except liability for any type of consequential damages which by law may not be disclaimed). The parties intend that this prohibition against consequential and similar damages will survive and be effective even if the limitation of remedies in the foregoing sections is found to fail of its essential purpose under section 2-719 of the Uniform Commercial Code.

ALLOCATION OF RISK

The foregoing warranty disclaimers, limitations of liability and limitation of remedies are bargained allocations of risks among (i) the Customer who purchased the Product; (ii) the Dealer who sold the Product, and (iii) Volvo CE, which is a third party beneficiary of the contract of sale between the Customer and the Dealer. The Buyer of the Product accepts the foregoing warranty and the other bargained for allocations of risk as part of the agreed price for the purchase of the Product to which the foregoing warranty applies. Volvo CE is prepared to offer different warranties and other allocations of risk for other prices. However, any such change in the warranty or the allocation of risks must be confirmed in writing by Volvo CE.

STATUTE OF LIMITATIONS

Any action by a Buyer of a Product for breach of contract, for breach of warranty arising under, or for a cause of action arising out of the sale of a Product, whether based on contract, tort (negligence or strict liability) or otherwise, shall be commenced within one (1) year after the cause of action has accrued. Any such cause of action shall be deemed to have accrued at the earlier of (i) the discovery of the defect or breach, or (ii) the expiration of the applicable Warranty Period.