VOLVO

Volvo Excavators 47.8-61.3 t 344-424 hp

EC400 HIGH REACH, EC500 HIGH REACH

Volvo Construction Equipment

EC400 HIGH REACH, EC500 HIGH REACH

EC400HR and EC500HR's structure and hydraulic system have been optimized to carry heavy attachments, giving you a faster return on your investment.

For a stronger performance

The EC400HR and EC500EHR high reach equipment from Volvo are equipped with the latest innovations to increase your productivity. It is designed to make your working day worth more. The robust structure, heavy tool weight and outstanding hydraulics ensure a strong performance in even the toughest of infrastructure-dismantling projects.

Performance

- Quicker initial set-up (3-4 hours, one person).
- Quicker changing of booms with semi-automated modular joint.
- Capacity to carry heavy tools increase versatility.
- Can demolish taller buildings thanks to higher pin height.
- Higher pin height increases working range, so the machine doesn't have to be moved as frequently.
- Optimized hydraulic lines for demolition

Operator comfort

- More precise controls
- Quieter cab
- Personalized settings for greater comfort
- ROPS cab as standard

Smart View with Obstacle Detection

- Increased safety onsite and for the operator
- Radar warns for items outside the screen
- HD screen
- Human identifying alarm separate from other obstacles

Serviceability

- Ground level access for service
- Long service intervals
- Grouped filters and lubrication points
- Quick and easy oil changes

Fuel Efficiency

- Up to 15% improvement
- Engine pump optimization with engine speeds as low as1600pm
- Smart MCV

Volvo EC400 High Reach, EC500 High Reach in detail

Engine

The next-generation Volvo diesel engine uses Volvo Advanced Combustion Technology (V-ACT) to deliver lower emissions, superior performance and fuel efficiency. The engine uses precise, high pressure fuel injectors, turbo charger and intercooler, and electronic engine controls to optimize machine performance.
Air Filter: 3-stage and 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.

		EC400 High Reach	EC500 High Reach
Engine	Volvo	D13J	D13J
Max power at	r/min	1 600	1 600
Net, ISO 9249/SAE J1349	kW	252	311
	hp	343	423
Gross, ISO 14396/SAE J1995	kW	253	312
	hp	344	424
Max torque	Nm	1 975	2 070
at engine speed	r/min	1 300	1 300
No. of cylinders		6	6
Displacement	l	12.8	12.8
Bore	mm	131	131
Stroke	mm	158	158

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.

		EC400 High Reach	EC500 High Reach
Voltage	V	24	24
Batteries	V	2 x 12	2 x 12
Battery capacity	Ah	200	200
Alternator	V/A	28 / 180	28 / 180

Undercarriage and structures

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

		EC400 High Reach	EC500 High Reach
Track shoes		50	51
Link pitch	mm	216	216
Shoe width, triple grouser	mm	600 / 700 / 800	600 / 750 / 900
Bottom rollers		9	9
Top rollers		3	3

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.

		EC400 High Reach	EC500 High Reach
Max. slew speed	r/min	9.8	9.3
Max. slew torque	kNm	131	166

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.

		EC400 High Reach	EC500 High Reach
Max. drawbar pull	kN	277	454
Max. travel speed (low)	km/h	3.3	3.1
Max. travel speed (high)	km/h	5.1	5.1
Gradeability	°	35	35

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, 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 10 vents.
Ergonomic operator's seat: The adjustable seat and joystick console move independently to accommodate the operator. The seat has nine different adjustments plus a seat belt for the operator's comfort and safety.

Sound Level

		EC400 High Reach	EC500 High Reach
Sound level in cab according to ISO 6396			
L_{pA}	dB	71	71
External sound level according to ISO 6395 and EU Directive 2000/14/EC			
L_{WA}	dB	106	107

Service Refill

		EC400 High Reach	EC500 High Reach
Fuel tank	l	600	649
DEF/AdBlue® tank	l	45	45
Hydraulic system, total	l	440	480
Hydraulic tank	l	200	235
Engine oil	l	55	55
Engine coolant	l	60	60
Slew reduction unit	l	2 x 8.8	2 x 8.8
Travel reduction unit	l	2 x 8.0	2 x 8.0

Hydraulic system

The hydraulic system, also known as the "Automatic Sensing Work Mode," is designed for high-productivity, high-digging capacity, high-maneuvering precision and excellent fuel economy. The summation system, boom, arm and swing priority along with boom and arm regeneration provides optimum performance.
The following important functions are included in the system:
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.

		EC400 High Reach	EC500 High Reach
Main pump: 2 x Variable displacement axial piston pumps			
Maximum flow	l/min	2 x 288	2 x 376
Pilot pump: Gear pump			
Maximum flow	l/min	26.7	34
Max. pressure			
Implement	MPa	32.4 / 35.3	32.4 / 35.3
Travel circuit	MPa	35.3	32.4
Slew circuit	MPa	27.5	25.8
Pilot circuit	MPa	3.9	3.9

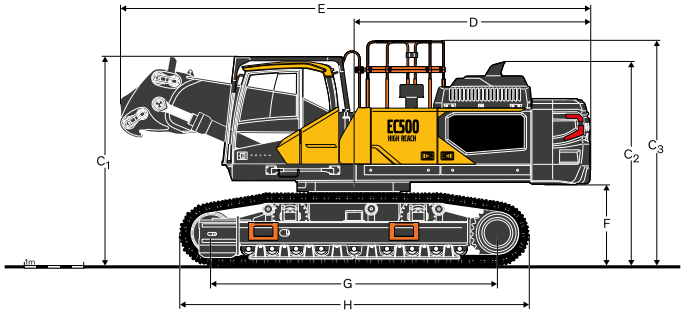
Hydraulic Motors

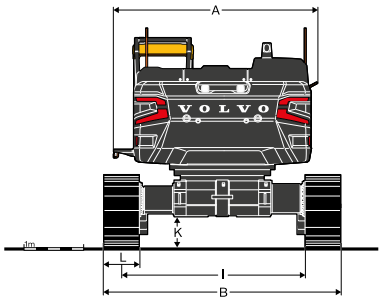
Travel: Variable displacement axial piston motor with mechanical brake
Swing: Fixed displacement piston motor with mechanical brake

Hydraulic Cylinders

		EC400 High Reach	EC500 High Reach
Boom		2	2
Bore x Stroke	ø x mm	180 x 1 490	200 x 1 562
Arm		1	1
Bore x Stroke	ø x mm	175 x 1 700	190 x 1 850
Bucket		1	1
Bore x Stroke	ø x mm	145 x 1 285	165 x 1 335
Intermediate Arm		1	1
Bore x Stroke	ø x mm	160 x 1 530	175 x 1 700
Demolition Arm		1	1
Bore x Stroke	ø x mm	150 x 1 745	190 x 1 850
Crusher		1	1
Bore x Stroke	ø x mm	130 x 1 150	130 x 1 150

Specifications





DIMENSION OF BASIC DEMOLITION MACHINE

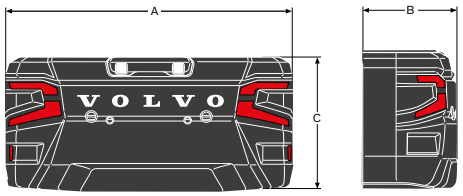
	Unit	EC400F High Reach	EC500F High Reach
		Hydraulically variable Undercarriage	Hydraulically variable Undercarriage
Boom	m	**6.45 / 6.8**	**7.0 / 7.5**
Arm	m	**3.2 / 3.9**	**3.35 / 3.9**
A. Overall width of upper structure	mm	3 410	3 450
B. Overall width	mm	3 980	3 990
C. Overall height of diffuser	mm	3 280	3 440
D. Overall height of handrail	mm	3 630	3 790
E. Overall height of guardrail	mm	3 630	3 790
F. Tail swing radius	mm	3 750	3 980
G. Overall height of engine hood	mm	3 040	3 200
H. Counterweight clearance *	mm	1 210	1 380
I. Tumbler length	mm	4 240	4 860
J. Track length	mm	5 190	5 920
K. Track gauge**	mm	3 380	3 390
L. Shoe width	mm	600	600
M. Min. ground clearance *	mm	465	520
N. Overall length	mm	7 190	7 680

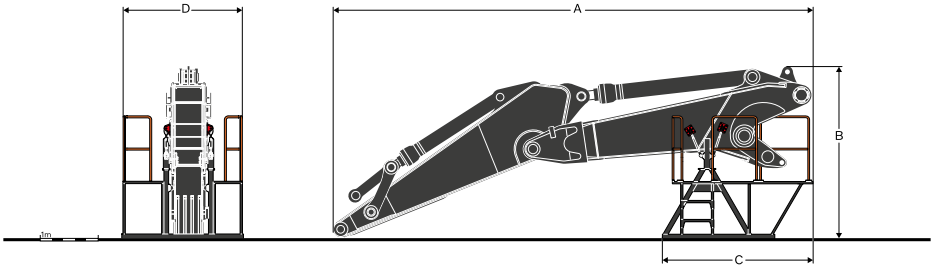
* Without shoe grouser

** Extended

DIMENSIONS

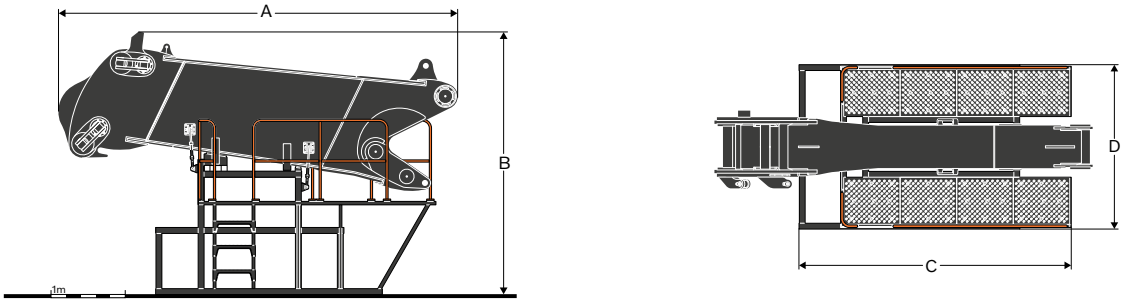
	Unit	EC400F High Reach	EC500F High Reach
		Hydraulically variable Undercarriage	Hydraulically variable Undercarriage
TILTING CAB			
A. Tilting cab length	mm	2 490	2 500
B. Cab height when fully tilted	mm	4 200	4 360
Cab tilting angle	°	30	30
COUNTERWEIGHT			
A. Width	mm	2 975	2 975
B. Thickness	mm	885	985
C. Height	mm	1 395	1 395
Total weight	kg	9 245	12 035





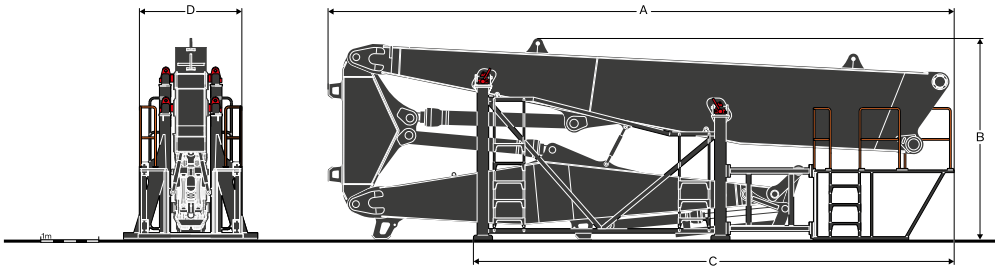
DIMENSIONS OF DIGGING EQUIPMENT

Description	Unit	EC400F High Reach		EC500F High Reach	
		3.2	3.9	3.35	3.9
A. Overall length - mounting to arm end	mm	6 955	7 710	8 180	8 775
B. Overall height	mm	2 365	2 365	2 710	2 710
C. Length of support cradle	mm	1 200	1 200	2 570	2 570
D. Width of support cradle	mm	1 625	1 625	2 490	2 490
Weight of digging boom with transport cradle	kg	4 700	4 840	6 150	6 310



DIMENSIONS OF DIGGING BOOM EXTENSION

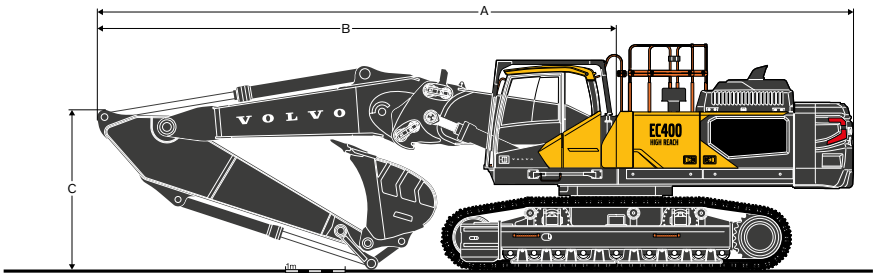
Description	Unit	EC400F High Reach	EC500F High Reach
A. Overall length - mounting to arm end	mm	3 755	4 050
B. Overall height	mm	2 650	2 585
C. Length of support cradle	mm	3 325	3 685
D. Width of support cradle	mm	2 490	2 490
Weight, including support cradle	kg	3 510	4 195



DIMENSIONS OF 3-PIECE DEMOLITION BOOM IN SUPPORT CRADLE

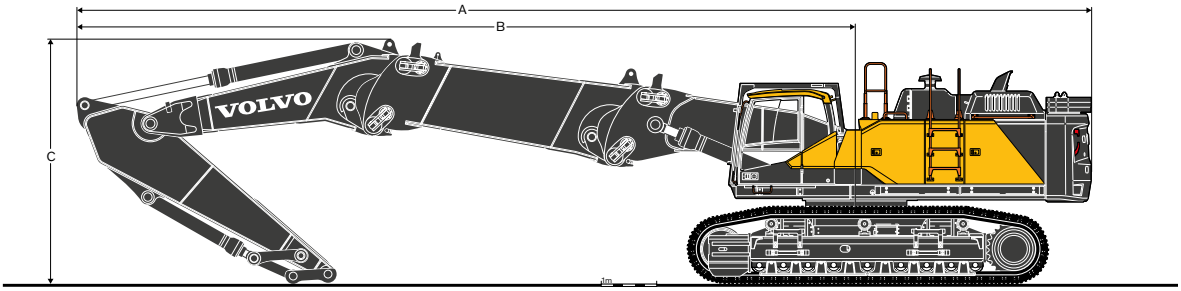
Description	Unit	EC400F High Reach	EC500F High Reach
A. Overall length - mounting to arm end	mm	10 385	12 655
B. Overall height	mm	3 120	3 195
C. Length of support cradle	mm	2 575	2 490
D. Width of support cradle	mm	2 490	2 490
Weight, including support cradle	kg	7 565	10 360

Specifications



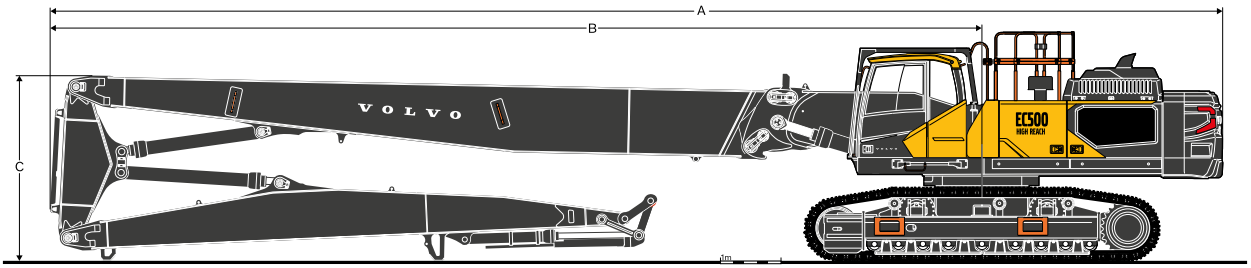
DIMENSIONS WITH DIGGING EQUIPMENT (POSITION FOR TRANSPORT)

Description	Unit	EC400F High Reach		EC500F High Reach	
Boom	m	6.8 Straight Boom		7.5 Straight Boom	
Arm	m	3.2	3.9	3.35	3.9
A. Overall length	mm	11 700	11 710	12 840	12 820
B. Swing center to front of equipment	mm	7 960	7 965	8 860	8 840
C. Maximum height of boom in transportation position	mm	3 320	3 290	3 510	3 750
Operating weight excl. Bucket, excluded cradle	kg	49 165	49 310	59 550	59 695



DIMENSIONS WITH DIGGING BOOM EXTENSION

Description	Unit	EC400F High Reach		EC500F High Reach	
Boom	m	6.8 Straight Boom		10.8 Straight Boom	
Arm	m	3.2	3.9	3.35	3.9
A. Overall length	mm	14 720	14 720	16 050	16 170
B. Swing center to front of equipment	mm	10 980	10 980	12 075	12 190
C. Maximum height of boom in transportation position	mm	3 385	3 390	3 570	3 685
Operating weight excl. Tool, excluded cradle	kg	51 985	52 130	63 095	63 240



DIMENSIONS WITH 3-PIECE DEMOLITION ATTACHMENT

Description	Unit	EC400F High Reach	EC500F High Reach
A. Overall length	mm	16 690	19 410
B. Swing center to front of equipment	mm	12 945	15 435
C. Maximum height of boom in transportation position	mm	3 135	3 220
Operating weight excl. Crusher, excluded cradle	kg	51 440	64 130

DIMENSIONS WITH 3-PIECE DEMOLITION ATTACHMENT

Description	Unit	EC400F High Reach	EC500F High Reach
A. Overall length	mm	19 690	22 810
B. Swing center to front of equipment	mm	15 950	18 830
C. Maximum height of boom in transportation position	mm	3 150	3 220
Operating weight excl. Crusher, excluded cradle	kg	54 260	67 675

Specifications

MACHINE WEIGHTS

		EC400F High Reach	EC500F High Reach
Superstructure with boom cylinders, with CWT linkage			
Description	**Unit**	**Superstructure**	
Weight	kg	14 515	15 975

Lower structure, weight			
Description	**Unit**	**Hydraulically variable Undercarriage**	**Hydraulically variable Undercarriage**
600 mm (HD)	kg	17 695	23 280
700 mm	kg	18 140	-
750 mm	kg	-	24 080
800 mm	kg	18 580	-
900 mm	kg	-	24 875

Counterweight, without linkage			
Description	**Unit**	**Counterweight**	
Length	mm	2 975	2 975
Height	mm	1 395	1 395
Width	mm	885	985
Weight	kg	9 245	12 035

Arm					
Description	**Unit**	**3.2 m**	**3.9 m**	**3.35 m**	**3.9 m**
Length	mm	4 350	5 120	4 570	5 120
Height	mm	1 090	1 280	1 280	1 280
Width	mm	440	470	470	470
Weight*	kg	2 370	2 515	2 950	3 090

* Includes bkt cylinder, piping and pins

GROUND PRESSURE

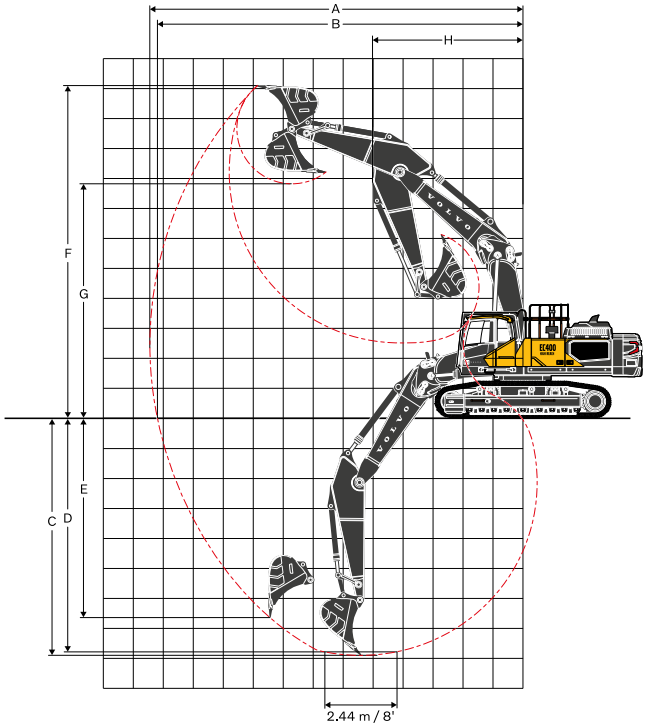
EC400F High Reach, with Hydraulically variable Undercarriage

Description	Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm	kg	kPa	mm
Triple grouser	600	51 405	88.4	3 975	54 225	93.3	3 975
	700	51 850	76.4	4 075	54 670	80.7	4 075
	800	52 290	67.4	4 175	55 110	71.1	4 175
		EC400F HR, 12.57 m Base + Demolition boom, 2.5 m Intermediate arm, 6.7 m Demolition arm, 3 300 kg crusher, 10 155 kg counterweight			EC400F HR, 15.57 m Base + Extension + Demolition boom, 2.5 m Intermediate arm, 6.7 m Demolition arm, 2 500 kg crusher, 10 155 kg counterweight		
Description	Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm	kg	kPa	mm
Triple grouser	600	47 800	82.2	3 975	48 785	83.8	3 975
	700	48 245	71.1	4 075	49 230	72.5	4 075
	800	48 685	62.8	4 175	49 670	64.0	4 175
		EC400F HR, 6.83 m Base + Digging boom, 3.2 m Digging arm, 10 155 kg counterweight			EC400F HR, 6.83 m Base + Digging boom, 3.9 m Digging arm, 10 155 kg counterweight		
Description	Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm	kg	kPa	mm
Triple grouser	600	50 620	87.0	3 975	51 605	88.7	3 975
	700	51 065	75.2	4 075	52 045	76.7	4 075
	800	51 505	66.4	4 175	52 490	67.7	4 175
		EC400F HR, 9.82 m Base + Extension + Digging boom (Straight), 3.2 m Digging arm, 10 155 kg counterweight			EC400F HR, 9.82 m Base + Extension + Digging boom (Straight), 3.9 m Digging arm, 10 155 kg counterweight		

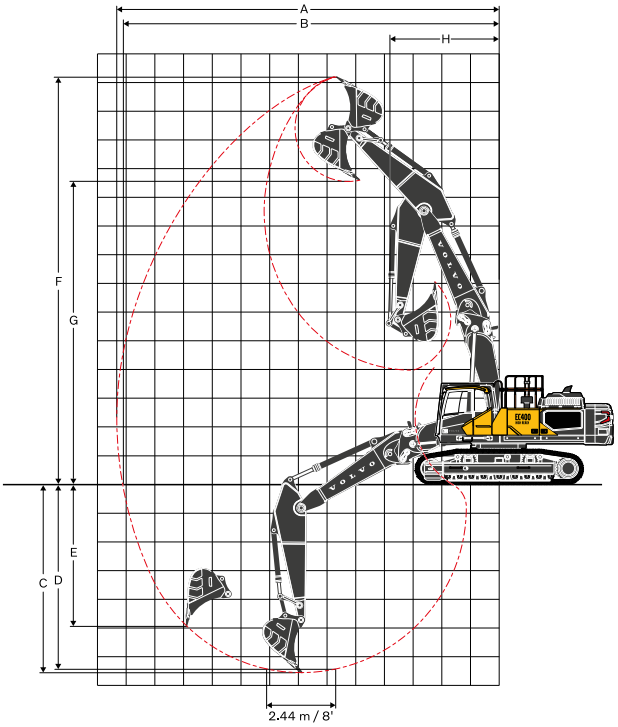
EC500F High Reach, with Hydraulically variable Undercarriage

Description	Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm	kg	kPa	mm
Triple grouser	600	64 130	110.2	3 985	67 675	116.5	3 985
	750	64 930	89.3	4 135	68 470	94.3	4 135
	900	65 725	75.3	4 285	69 265	79.5	4 285
		EC500F HR, 14.8 m Base + Demolition boom, 2.5 m Intermediate arm, 9.2 m Demolition arm, 3 500 kg crusher, 13 065 kg counterweight			EC500F HR, 18.2 m Base + Extension + Demolition boom, 2.5 m Intermediate arm, 9.2 m Demolition arm,2 500 kg crusher, 13 065 kg counterweight		
Description	Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm	kg	kPa	mm
Triple grouser	600	64 190	110.3	3 985	64 335	110.6	3 985
	750	64 990	89.4	4 135	65 130	89.5	4 135
	900	65 785	75.4	4 285	65 930	75.5	4 285
		EC500F HR, 10.85 m Base + Extension + Digging boom (Straight), 3.35 m Digging arm, 3 500 kg crusher, 13 065 kg counterweight			EC500F HR, 10.85 m Base + Extension + Digging boom (Straight), 3.9 m Digging arm, 3 500 kg crusher, 13 065 kg counterweight		

Specifications

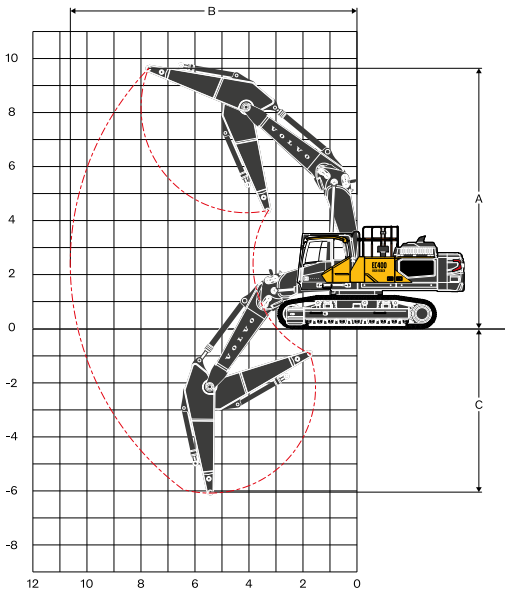


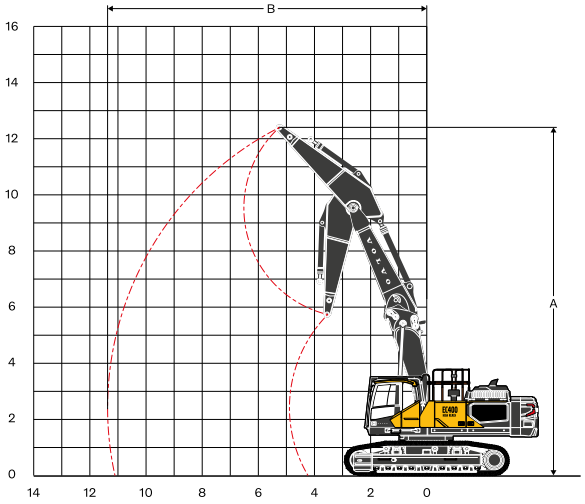
WORKING RANGES WITH BENT BOOM						
Description		**Unit**	**EC400F High Reach**		**EC500F High Reach**	
Boom		**m**	**6.5**		**7.0**	
Arm		**m**	**3.2**	**3.9**	**3.35**	**3.9**
A. Max. digging reach		mm	11 295	11 945	12 095	12 580
B. Max. digging reach on ground		mm	11 080	11 745	11 850	12 340
C. Max. digging depth		mm	6 685	7 385	7 490	8 040
D. Max.digging depth (8' level)		mm	6 530	7 250	7 350	7 910
E. Max. vertical wall digging depth		mm	5 865	6 525	6 795	6 715
F. Max. cutting height		mm	11 435	11 810	11 020	11 165
G. Max. dumping height		mm	7 995	8 370	7 520	7 685
H. Min. front swing radius		mm	3 665	3 715	5 125	5 045
WORKING RANGES WITH BENT BOOM, without bucket						
A. Max. reach		mm	9 440	10 090	10 135	10 625
B. Max. reach on ground		mm	9 185	9 850	9 835	10 340
C. Max. height		mm	9 850	10 225	9 480	9 650
D. Max. depth		mm	4 830	5 530	5 530	6 075
E. Min. front swing radius		mm	3 665	3 715	5 125	5 000
Maximum tool weight		kg	5 900		7 300	
DIGGING FORCES WITH BENT BOOM						
Bucket radius		mm	1 845		1 960	
Breakout force	Normal, SAE	kN	174		211	
	Power boost, SAE	kN	190		230	
	Normal, ISO	kN	201		243	
	Power boost, ISO	kN	219		265	
Tearout force	Normal, SAE	kN	158	138	193	173
	Power boost, SAE	kN	172	151	210	189
	Normal, ISO	kN	162	142	198	177
	Power boost, ISO	kN	177	155	216	193
Rotation angle, bucket		°	178		183	



WORKING RANGES WITH STRAIGHT BOOM						
Description		**Unit**	**EC400F High Reach**		**EC500F High Reach**	
Boom		**m**	**6.5**		**7.5**	
Arm		**m**	**3.2**	**3.9**	**3.35**	**3.9**
A. Max. digging reach		mm	11 855	12 535	12 815	13 330
B. Max. digging reach on ground		mm	11 655	12 345	12 580	13 110
C. Max. digging depth		mm	5 380	6 105	6 170	6 730
D. Max.digging depth (8' level)		mm	5 225	5 970	6 030	6 600
E. Max. vertical wall digging depth		mm	3 760	4 320	4 715	5 130
F. Max. cutting height		mm	13 505	14 100	13 935	14 305
G. Max. dumping height		mm	9 815	10 405	10 065	10 440
H. Min. front swing radius		mm	3 250	3 580	4 000	3 845
WORKING RANGES WITH STRAIGHT BOOM, without bucket						
A. Max. reach		mm	10 005	10 680	10 855	11 370
B. Max. reach on ground		mm	9 765	10 455	10 580	11 110
C. Max. height		mm	11 660	12 255	12 025	12 400
D. Max. depth		mm	3 550	4 250	4 210	4 760
E. Min. front swing radius		mm	2 930	3 260	3 685	3 660
Maximum tool weight		kg	5 900		7 300	
DIGGING FORCES WITH STRAIGHT BOOM						
Bucket radius		mm	1 845		1 960	
Breakout force	Normal, SAE	kN	174		211	
	Power boost, SAE	kN	190		230	
	Normal, ISO	kN	201		243	
	Power boost, ISO	kN	219		265	
Tearout force	Normal, SAE	kN	158	138	193	173
	Power boost, SAE	kN	172	151	210	189
	Normal, ISO	kN	162	142	198	177
	Power boost, ISO	kN	177	155	216	193
Rotation angle, bucket		°	178		183	

Specifications





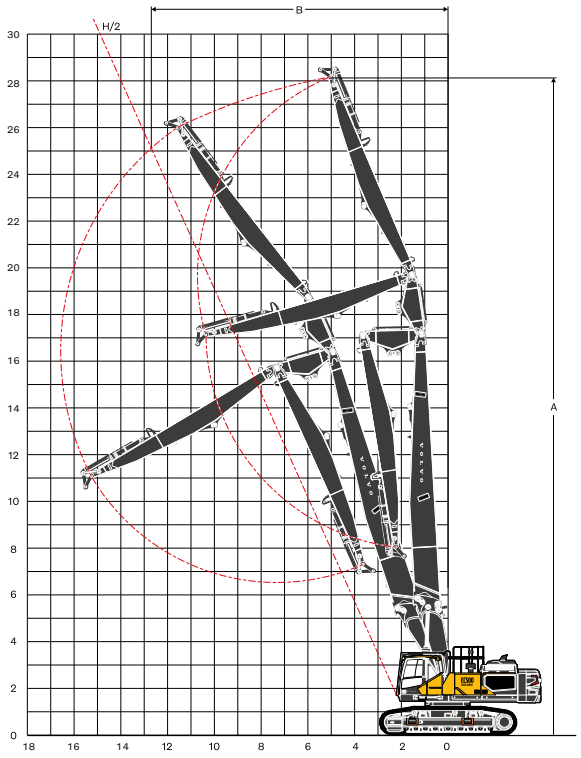
WORKING RANGES AND MAX. TOOL WEIGHT (machines with digging boom extension)

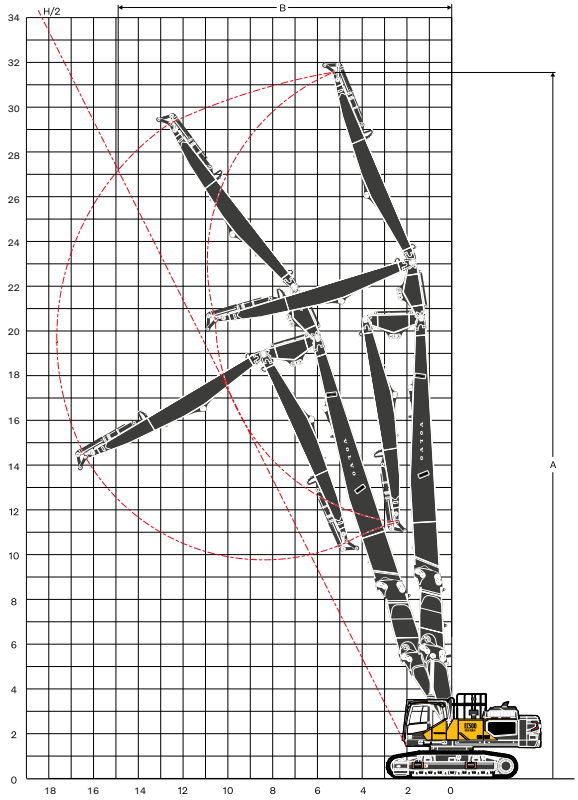
EC400F High Reach

Boom		Bent & Bent		Straight & Straight		Bent & Straight		Straight & Bent	
		8.7 m		9.8 m		9.8 m		8.7 m	
Arm		3.2 m	3.9 m	3.2 m	3.9 m	3.2 m	3.9 m	3.2 m	3.9 m
Description	Unit	Hydraulically variable Undercarriage							
A. Max pin height	mm	9 730	9 815	14 655	15 250	12 835	13 215	12 440	12 825
B. Max pin reach	mm	11 315	11 890	12 950	13 615	12 120	12 730	12 430	13 075
Maximum tool weight	kg	5 800		4 400		4 900		4 700	
C. Maximum pin depth	mm	7 475	8 175	-		-		-	

EC500F High Reach

Boom		Bent & Bent		Straight & Straight		Bent & Straight		Straight & Bent	
		10.08 m		10.85 m		9.8 m		8.7 m	
Arm		3.35 m	3.9 m	3.35 m	3.9 m	3.2 m	3.9 m	3.2 m	3.9 m
Description	Unit	Hydraulically variable Undercarriage							
A. Max pin height	mm	9 155	9 075	15 430	15 805	12 890	13 050	12 465	12 630
B. Max pin reach	mm	11 980	12 385	14 065	14 560	12 890	13 330	13 450	13 920
Maximum tool weight	kg	6.3		4.4		5.3		5.0	
C. Maximum pin depth	mm	8 015	8 550	-		-		-	





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

Description		Unit	EC400F High Reach		EC500F High Reach	
			Hydraulically variable Undercarriage		Hydraulically variable Undercarriage	
			w/o Extension	with Extension	w/o Extension	with Extension
A	Max pin height	mm	23 030	26 025	28 550	31 950
A_1	Pin height, H/2	mm	20 860	23 515	25 100	27 975
B	Max pin reach	mm	14 530	15 455	16 575	17 645
B_1	Pin reach, H/2	mm	10 560	11 890	12 700	14 150
C	Max. tool weight	kg	3 300	2 500	3 500	2 500
D	Operating angle	°	24.4	24.3	19	19

Specifications

LIFTING CAPACITY EC400F High Reach with Bent Boom

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		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 6.45 m Arm : 3.2 m Shoe : 600 mm CWT : 10 000 kg	9.0 m	kg					*10 950	*10 950					*8 540	*8 540	6.5
	7.5 m	kg					*12 980	*12 980	*9 760	*9 760			*7 810	*7 810	7.8
	6.0 m	kg					*14 700	*14 700	*13 130	*13 130			*7 570	*7 570	8.6
	4.5 m	kg			*20 860	*20 860	*16 560	*16 560	*14 270	14 040	*9 160	*9 160	*7 590	*7 590	9.2
	3.0 m	kg			*25 370	*25 370	*18 690	*18 690	*15 340	13 600	*12 130	10 320	*7 850	*7 850	9.4
	1.5 m	kg			*23 930	*23 930	*20 390	18 270	*16 250	13 180	12 470	10 110	*8 380	*8 380	9.4
	0 m	kg			*23 730	*23 730	*21 110	17 770	16 060	12 880	12 320	9 970	*9 300	*9 300	9.2
	-1.5 m	kg	*14 720	*14 720	*27 220	*27 220	*20 640	17 570	15 920	12 750			*10 820	10 440	8.7
	-3.0 m	kg	*23 590	*23 590	*24 270	*24 270	*18 740	17 630	*14 290	12 830			*13 060	12 040	7.9
	-4.5 m	kg			*19 080	*19 080	*14 440	*14 440					*12 160	*12 160	6.6
Boom : 6.45 m Arm : 3.2 m Shoe : 700 mm CWT : 10 000 kg	9.0 m	kg					*10 950	*10 950					*8 540	*8 540	6.5
	7.5 m	kg					*12 980	*12 980	*9 760	*9 760			*7 810	*7 810	7.8
	6.0 m	kg					*14 700	*14 700	*13 130	*13 130			*7 570	*7 570	8.6
	4.5 m	kg			*20 860	*20 860	*16 560	*16 560	*14 270	14 140	*9 160	*9 160	*7 590	*7 590	9.2
	3.0 m	kg			*25 370	*25 370	*18 690	*18 690	*15 340	13 700	*12 130	10 400	*7 850	*7 850	9.4
	1.5 m	kg			*23 930	*23 930	*20 390	18 410	*16 250	13 290	12 570	10 200	*8 380	*8 380	9.4
	0 m	kg			*23 730	*23 730	*21 110	17 910	16 190	12 990	12 420	10 060	*9 300	*9 300	9.2
	-1.5 m	kg	*14 720	*14 720	*27 220	*27 220	*20 640	17 710	16 050	12 850			*10 820	10 530	8.7
	-3.0 m	kg	*23 590	*23 590	*24 270	*24 270	*18 740	17 770	*14 290	12 930			*13 060	12 130	7.9
	-4.5 m	kg			*19 080	*19 080	*14 440	*14 440					*12 160	*12 160	6.6
Boom : 6.45 m Arm : 3.2 m Shoe : 800 mm CWT : 10 000 kg	9.0 m	kg					*10 950	*10 950					*8 540	*8 540	6.5
	7.5 m	kg					*12 980	*12 980	*9 760	*9 760			*7 810	*7 810	7.8
	6.0 m	kg					*14 700	*14 700	*13 130	*13 130			*7 570	*7 570	8.6
	4.5 m	kg			*20 860	*20 860	*16 560	*16 560	*14 270	14 250	*9 160	*9 160	*7 590	*7 590	9.2
	3.0 m	kg			*25 370	*25 370	*18 690	*18 690	*15 340	13 810	*12 130	10 480	*7 850	*7 850	9.4
	1.5 m	kg			*23 930	*23 930	*20 390	18 550	*16 250	13 390	12 680	10 280	*8 380	*8 380	9.4
	0 m	kg			*23 730	*23 730	*21 110	18 050	16 320	13 090	*12 430	10 140	*9 300	*9 300	9.2
	-1.5 m	kg	*14 720	*14 720	*27 220	*27 220	*20 640	17 850	16 180	12 960			*10 820	10 610	8.7
	-3.0 m	kg	*23 590	*23 590	*24 270	*24 270	*18 740	17 910	*14 290	13 040			*13 060	12 230	7.9
	-4.5 m	kg			*19 080	*19 080	*14 440	*14 440					*12 160	*12 160	6.6

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 EC400F High Reach with Bent Boom

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		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 6.45 m Arm : 3.9 m Shoe : 600 mm CWT : 10 000 kg	9.0 m	kg											*6 600	*6 600	7.4
	7.5 m	kg							*9 640	*9 640			*6 140	*6 140	8.6
	6.0 m	kg							*11 050	*11 050	*7 920	*7 920	*5 960	*5 960	9.3
	4.5 m	kg			*16 690	*16 690	*14 820	*14 820	*13 160	*13 160	*10 210	*10 210	*5 970	*5 970	9.8
	3.0 m	kg			*23 200	*23 200	*17 500	*17 500	*14 550	13 760	*12 200	10 410	*6 160	*6 160	10.1
	1.5 m	kg			*26 940	*26 940	*19 560	18 480	*15 680	13 280	12 520	10 150	*6 530	*6 530	10.1
	0 m	kg	*8 870	*8 870	*25 860	*25 860	*20 770	17 840	16 090	12 900	12 300	9 940	*7 150	*7 150	9.9
	-1.5 m	kg	*13 840	*13 840	*28 030	27 620	*20 880	17 500	15 850	12 670	12 190	9 840	*8 160	*8 160	9.4
	-3.0 m	kg	*20 280	*20 280	*25 930	*25 930	*19 700	17 440	*15 360	12 640			*9 910	*9 910	8.7
	-4.5 m	kg	*29 200	*29 200	*21 900	*21 900	*16 750	*16 750	*12 090	*12 090			*11 980	*11 980	7.5
Boom : 6.45 m Arm : 3.9 m Shoe : 700 mm CWT : 10 000 kg	9.0 m	kg											*6 600	*6 600	7.4
	7.5 m	kg							*9 640	*9 640			*6 140	*6 140	8.6
	6.0 m	kg							*11 050	*11 050	*7 920	*7 920	*5 960	*5 960	9.3
	4.5 m	kg			*16 690	*16 690	*14 820	*14 820	*13 160	*13 160	*10 210	*10 210	*5 970	*5 970	9.8
	3.0 m	kg			*23 200	*23 200	*17 500	*17 500	*14 550	13 860	*12 200	10 500	*6 160	*6 160	10.1
	1.5 m	kg			*26 940	*26 940	*19 560	18 620	*15 680	13 380	12 620	10 230	*6 530	*6 530	10.1
	0 m	kg	*8 870	*8 870	*25 860	*25 860	*20 770	17 980	16 220	13 000	12 400	10 030	*7 150	*7 150	9.9
	-1.5 m	kg	*13 840	*13 840	*28 030	27 840	*20 880	17 640	15 980	12 780	12 290	9 920	*8 160	*8 160	9.4
	-3.0 m	kg	*20 280	*20 280	*25 930	*25 930	*19 700	17 580	*15 360	12 740			*9 910	*9 910	8.7
	-4.5 m	kg	*29 200	*29 200	*21 900	*21 900	*16 750	*16 750	*12 090	*12 090			*11 980	*11 980	7.5
Boom : 6.45 m Arm : 3.9 m Shoe : 800 mm CWT : 10 000 kg	9.0 m	kg											*6 600	*6 600	7.4
	7.5 m	kg							*9 640	*9 640			*6 140	*6 140	8.6
	6.0 m	kg							*11 050	*11 050	*7 920	*7 920	*5 960	*5 960	9.3
	4.5 m	kg			*16 690	*16 690	*14 820	*14 820	*13 160	*13 160	*10 210	*10 210	*5 970	*5 970	9.8
	3.0 m	kg			*23 200	*23 200	*17 500	*17 500	*14 550	13 970	*12 200	10 580	*6 160	*6 160	10.1
	1.5 m	kg			*26 940	*26 940	*19 560	18 760	*15 680	13 490	12 720	10 320	*6 530	*6 530	10.1
	0 m	kg	*8 870	*8 870	*25 860	*25 860	*20 770	18 120	16 350	13 110	12 500	10 110	*7 150	*7 150	9.9
	-1.5 m	kg	*13 840	*13 840	*28 030	*28 030	*20 880	17 790	16 110	12 880	12 390	10 000	*8 160	*8 160	9.4
	-3.0 m	kg	*20 280	*20 280	*25 930	*25 930	*19 700	17 720	*15 360	12 850			*9 910	*9 910	8.7
	-4.5 m	kg	*29 200	*29 200	*21 900	*21 900	*16 750	*16 750	*12 090	*12 090			*11 980	*11 980	7.5

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 EC400F High Reach with Straight Boom

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		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 6.8 m Arm : 3.2 m Shoe : 600 mm CWT : 10 000 kg	10.5 m	kg	*14 070	*14 070							*10 850	*10 850	*10850	*10850	5.4
	9.0 m	kg	*12 550	*12 550	*12 880	*12 880					*8 900	*8 900	*8900	*8900	7.3
	7.5 m	kg	*11 640	*11 640	*12 840	*12 840	*12 500	*12 500			*8 060	*8 060	*8060	*8060	8.4
	6.0 m	kg	*13 590	*13 590	*14 300	*14 300	*13 990	*13 990	*10 160	*10 160	*7 680	*7 680	*7680	*7680	9.2
	4.5 m	kg	*25 500	*25 500	*19 370	19 250	*15 930	13 640	12 660	10 290	*7 550	*7 550	*7550	*7550	9.7
	3.0 m	kg			*20 690	18 400	16 420	13 220	12 450	10 100	*7 640	*7 640	*7640	*7640	10.0
	1.5 m	kg			*21 140	17 740	16 030	12 850	12 270	9 920	*7 940	*7 940	*7940	*7940	10.0
	0 m	kg	*13 500	*13 500	*20 300	17 400	15 790	12 630	12 160	9 820	*8 500	*8 500	*8500	*8500	9.8
	-1.5 m	kg	*20 460	*20 460	*18 130	17 340	*14 390	12 580	*10 630	9 850	*9 420	*9 420	*9420	*9420	9.3
	-3.0 m	kg			*14 470	*14 470	*11 190	*11 190							8.5
Boom : 6.8 m Arm : 3.2 m Shoe : 700 mm CWT : 10 000 kg	10.5 m	kg	*14 070	*14 070							*10 850	*10 850	*10850	*10850	5.4
	9.0 m	kg	*12 550	*12 550	*12 880	*12 880					*8 900	*8 900	*8900	*8900	7.3
	7.5 m	kg	*11 640	*11 640	*12 840	*12 840	*12 500	*12 500			*8 060	*8 060	*8060	*8060	8.4
	6.0 m	kg	*13 590	*13 590	*14 300	*14 300	*13 990	*13 990	*10 160	*10 160	*7 680	*7 680	*7680	*7680	9.2
	4.5 m	kg	*25 500	*25 500	*19 370	*19 370	*15 930	13 740	12 760	10 380	*7 550	*7 550	*7550	*7550	9.7
	3.0 m	kg			*20 690	18 540	*16 500	13 320	12 560	10 180	*7 640	*7 640	*7640	*7640	10.0
	1.5 m	kg			*21 140	17 890	16 160	12 960	12 370	10 000	*7 940	*7 940	*7940	*7940	10.0
	0 m	kg	*13 500	*13 500	*20 300	17 540	15 930	12 730	12 260	9 900	*8 500	*8 500	*8500	*8500	9.8
	-1.5 m	kg	*20 460	*20 460	*18 130	17 480	*14 390	12 680	*10 630	9 930	*9 420	*9 420	*9420	*9420	9.3
	-3.0 m	kg			*14 470	*14 470	*11 190	*11 190							8.5
Boom : 6.8 m Arm : 3.2 m Shoe : 800 mm CWT : 10 000 kg	10.5 m	kg	*14 070	*14 070							*10 850	*10 850	*10850	*10850	5.4
	9.0 m	kg	*12 550	*12 550	*12 880	*12 880					*8 900	*8 900	*8900	*8900	7.3
	7.5 m	kg	*11 640	*11 640	*12 840	*12 840	*12 500	*12 500			*8 060	*8 060	*8060	*8060	8.4
	6.0 m	kg	*13 590	*13 590	*14 300	*14 300	*13 990	*13 990	*10 160	*10 160	*7 680	*7 680	*7680	*7680	9.2
	4.5 m	kg	*25 500	*25 500	*19 370	*19 370	*15 930	13 850	12 860	10 460	*7 550	*7 550	*7550	*7550	9.7
	3.0 m	kg			*20 690	18 680	*16 500	13 420	12 660	10 260	*7 640	*7 640	*7640	*7640	10.0
	1.5 m	kg			*21 140	18 030	16 290	13 060	12 470	10 080	*7 940	*7 940	*7940	*7940	10.0
	0 m	kg	*13 500	*13 500	*20 300	17 680	*16 040	12 840	12 360	9 980	*8 500	*8 500	*8500	*8500	9.8
	-1.5 m	kg	*20 460	*20 460	*18 130	17 620	*14 390	12 780	*10 630	10 020	*9 420	*9 420	*9420	*9420	9.3
	-3.0 m	kg			*14 470	*14 470	*11 190	*11 190							8.5

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 EC400F High Reach with Straight Boom

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		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 6.8 m Arm : 3.9 m Shoe : 600 mm CWT : 10 000 kg	12.0 m	kg											*11 360	*11 360	4.0
	10.5 m	kg			*10 340	*10 340							*8 010	*8 010	6.6
	9.0 m	kg			*10 310	*10 310	*9 630	*9 630					*6 870	*6 870	8.2
	7.5 m	kg			*9 940	*9 940	*10 360	*10 360	*8 020	*8 020			*6 310	*6 310	9.2
	6.0 m	kg	*9 380	*9 380	*10 670	*10 670	*11 120	*11 120	*10 180	*10 180			*6 040	*6 040	10.0
	4.5 m	kg	*17 190	*17 190	*14 400	*14 400	*13 200	*13 200	*11 660	10 400			*5 940	*5 940	10.4
	3.0 m	kg			*19 980	18 680	*16 080	13 340	12 520	10 150	*7 640	*7 640	*6 010	*6 010	10.6
	1.5 m	kg			*20 930	17 890	16 090	12 910	12 270	9 920	*8 150	7 940	*6 220	*6 220	10.7
	0 m	kg	*15 300	*15 300	*20 720	17 400	15 770	12 600	12 100	9 750			*6 610	*6 610	10.5
	-1.5 m	kg	*19 520	*19 520	*19 210	17 210	*15 190	12 460	*11 890	9 700			*7 240	*7 240	10.
	-3.0 m	kg	*20 040	*20 040	*16 290	*16 290	*12 830	12 510	*9 070	*9 070					9.3
Boom : 6.8 m Arm : 3.9 m Shoe : 700 mm CWT : 10 000 kg	12.0 m	kg											*11 360	*11 360	4.0
	10.5 m	kg			*10 340	*10 340							*8 010	*8 010	6.6
	9.0 m	kg			*10 310	*10 310	*9 630	*9 630					*6 870	*6 870	8.2
	7.5 m	kg			*9 940	*9 940	*10 360	*10 360	*8 020	*8 020			*6 310	*6 310	9.2
	6.0 m	kg	*9 380	*9 380	*10 670	*10 670	*11 120	*11 120	*10 180	*10 180			*6 040	*6 040	10.0
	4.5 m	kg	*17 190	*17 190	*14 400	*14 400	*13 200	*13 200	*11 660	10 480			*5 940	*5 940	10.4
	3.0 m	kg			*19 980	18 820	*16 080	13 440	12 620	10 240	*7 640	*7 640	*6 010	*6 010	10.6
	1.5 m	kg			*20 930	18 030	16 230	13 010	12 370	10 000	*8 150	8 000	*6 220	*6 220	10.7
	0 m	kg	*15 300	*15 300	*20 720	17 540	15 900	12 700	12 200	9 830			*6 610	*6 610	10.5
	-1.5 m	kg	*19 520	*19 520	*19 210	17 350	*15 190	12 570	*11 890	9 780			*7 240	*7 240	10.0
	-3.0 m	kg	*20 040	*20 040	*16 290	*16 290	*12 830	12 610	*9 070	*9 070					9.3
Boom : 6.8 m Arm : 3.9 m Shoe : 800 mm CWT : 10 000 kg	12.0 m	kg											*11 360	*11 360	4.0
	10.5 m	kg			*10 340	*10 340							*8 010	*8 010	6.6
	9.0 m	kg			*10 310	*10 310	*9 630	*9 630					*6 870	*6 870	8.2
	7.5 m	kg			*9 940	*9 940	*10 360	*10 360	*8 020	*8 020			*6 310	*6 310	9.2
	6.0 m	kg	*9 380	*9 380	*10 670	*10 670	*11 120	*11 120	*10 180	*10 180			*6 040	*6 040	10.0
	4.5 m	kg	*17 190	*17 190	*14 400	*14 400	*13 200	*13 200	*11 660	10 560			*5 940	*5 940	10.4
	3.0 m	kg			*19 980	18 960	*16 080	13 550	12 720	10 320	*7 640	*7 640	*6 010	*6 010	10.6
	1.5 m	kg			*20 930	18 170	16 360	13 110	12 480	10 080	*8 150	8 070	*6 220	*6 220	10.7
	0 m	kg	*15 300	*15 300	*20 720	17 680	16 030	12 810	12 300	9 920			*6 610	*6 610	10.5
	-1.5 m	kg	*19 520	*19 520	*19 210	17 490	*15 190	12 670	*11 890	9 860			*7 240	*7 240	10.0
	-3.0 m	kg	*20 040	*20 040	*16 290	*16 290	*12 830	12 720	*9 070	*9 070					9.3

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 EC400F High Reach with Extension Bent & Bent

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		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 8.7 m Arm : 3.2 m Shoe : 600 mm CWT : 10 000 kg	9.0 m	kg													*7 580	*7 580	9.0
	7.5 m	kg									*8 270	*8 270			*7 580	*7 580	10.0
	6.0 m	kg			*16 690	*16 690	*12 010	*12 010	*9 940	*9 940	*8 790	*8 790	*8 170	7 980	*7 770	*7 770	10.6
	4.5 m	kg					*14 370	*14 370	*11 160	*11 160	*9 480	*9 480	*8 520	7 710	*8 160	7 020	11.1
	3.0 m	kg					*16 540	16 070	*12 380	12 080	*10 230	9 350	*8 950	7 390	8 270	6 550	11.3
	1.5 m	kg					*13 980	*13 980	*13 330	11 340	*10 880	8 860	8 980	7 080	8 030	6 320	11.3
	0 m	kg					*16 780	14 740	*13 900	10 870	10 870	8 490	8 720	6 830	8 040	6 300	11.1
	-1.5 m	kg			*10 350	*10 350	*17 730	14 630	13 790	10 620	10 640	8 270	8 570	6 680	8 350	6 520	10.7
	-3.0 m	kg			*17 850	*17 850	*17 160	14 670	13 720	10 550	10 560	8 190			9 080	7 070	10.0
	-4.5 m	kg	*19 530	*19 530	*19 930	*19 930	*16 110	14 880	*13 110	10 660	10 660	8 290			10 500	8 170	9.1
	-6.0 m	kg			*17 590	*17 590	*14 300	*14 300	*11 530	11 000					*11 050	10 480	7.8
Boom : 8.7 m Arm : 3.2 m Shoe : 700 mm CWT : 10 000 kg	9.0 m	kg													*7 580	*7 580	9.0
	7.5 m	kg									*8 270	*8 270			*7 580	*7 580	10.0
	6.0 m	kg			*16 690	*16 690	*12 010	*12 010	*9 940	*9 940	*8 790	*8 790	*8 170	8 050	*7 770	*7 770	10.6
	4.5 m	kg					*14 370	*14 370	*11 160	*11 160	*9 480	*9 480	*8 520	7 780	*8 160	7 080	11.1
	3.0 m	kg					*16 540	16 210	*12 380	12 180	*10 230	9 430	*8 950	7 450	8 350	6 620	11.3
	1.5 m	kg					*13 980	*13 980	*13 330	11 450	*10 880	8 940	9 060	7 150	8 100	6 380	11.3
	0 m	kg					*16 780	14 880	*13 900	10 970	10 980	8 580	8 810	6 900	8 120	6 360	11.1
	-1.5 m	kg			*10 350	*10 350	*17 730	14 770	13 920	10 720	10 740	8 350	8 650	6 750	8 440	6 580	10.7
	-3.0 m	kg			*17 850	*17 850	*17 160	14 810	*13 840	10 660	10 660	8 270			9 160	7 140	10.0
	-4.5 m	kg	*19 530	*19 530	*19 930	*19 930	*16 110	15 020	*13 110	10 760	*10 690	8 370			*10 530	8 250	9.1
	-6.0 m	kg			*17 590	*17 590	*14 300	*14 300	*11 530	11 100					*11 050	10 580	7.8
Boom : 8.7 m Arm : 3.2 m Shoe : 800 mm CWT : 10 000 kg	9.0 m	kg													*7 580	*7 580	9.0
	7.5 m	kg									*8 270	*8 270			*7 580	*7 580	10.0
	6.0 m	kg			*16 690	*16 690	*12 010	*12 010	*9 940	*9 940	*8 790	*8 790	*8 170	8 110	*7 770	*7 770	10.6
	4.5 m	kg					*14 370	*14 370	*11 160	*11 160	*9 480	*9 480	*8 520	7 840	*8 160	7 150	11.1
	3.0 m	kg					*16 540	16 350	*12 380	12 290	*10 230	9 510	*8 950	7 520	8 430	6 680	11.3
	1.5 m	kg					*13 980	*13 980	*13 330	11 550	*10 880	9 020	9 150	7 220	8 180	6 440	11.3
	0 m	kg					*16 780	15 020	*13 900	11 080	11 080	8 660	8 890	6 970	8 200	6 430	11.1
	-1.5 m	kg			*10 350	*10 350	*17 730	14 910	14 050	10 830	10 840	8 430	8 740	6 820	8 520	6 650	10.7
	-3.0 m	kg			*17 850	*17 850	*17 160	14 960	*13 840	10 760	10 760	8 360			9 250	7 210	10.0
	-4.5 m	kg	*19 530	*19 530	*19 930	*19 930	*16 110	15 160	*13 110	10 870	*10 690	8 460			*10 530	8 330	9.1
	-6.0 m	kg			*17 590	*17 590	*14 300	*14 300	*11 530	11 210					*11 050	10 680	7.8

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 EC400F High Reach with Extension Bent & Bent

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		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 8.7 m Arm : 3.9 m Shoe : 600 mm CWT : 10 000 kg	9.0 m	kg													*5 960	*5 960	9.7
	7.5 m	kg									*7 630	*7 630	*6 530	*6 530	*5 960	*5 960	10.6
	6.0 m	kg							*9 170	*9 170	*8 190	*8 190	*7 610	*7 610	*6 100	*6 100	11.3
	4.5 m	kg					*13 100	*13 100	*10 410	*10 410	*8 930	*8 930	*8 040	7 860	*6 380	*6 380	11.7
	3.0 m	kg					*15 320	*15 320	*11 690	*11 690	*9 720	9 510	*8 530	7 490	*6 810	6 090	11.9
	1.5 m	kg					*16 870	15 510	*12 780	11 540	*10 450	8 960	*9 010	7 140	*7 430	5 860	11.9
	0 m	kg					*17 610	14 830	*13 530	10 950	10 920	8 530	8 740	6 840	7 440	5 820	11.7
	-1.5 m	kg			*11 600	*11 600	*17 750	14 540	13 770	10 590	10 610	8 240	8 530	6 640	7 670	5 970	11.3
	-3.0 m	kg	*12 200	*12 200	*16 370	*16 370	*17 430	14 470	13 610	10 440	10 460	8 090	8 430	6 550	8 220	6 390	10.7
	-4.5 m	kg	*16 700	*16 700	*21 210	*21 210	*16 650	14 590	*13 390	10 460	10 470	8 100			9 290	7 210	9.8
	-6.0 m	kg	*21 810	*21 810	*19 160	*19 160	*15 220	14 910	*12 280	10 680					*10 480	8 850	8.6
	-7.5 m	kg			*15 860	*15 860	*12 650	*12 650							*11 080	*11 080	6.8
Boom : 8.7 m Arm : 3.9 m Shoe : 700 mm CWT : 10 000 kg	9.0 m	kg													*5 960	*5 960	9.7
	7.5 m	kg									*7 630	*7 630	*6 530	*6 530	*5 960	*5 960	10.6
	6.0 m	kg							*9 170	*9 170	*8 190	*8 190	*7 610	*7 610	*6 100	*6 100	11.3
	4.5 m	kg					*13 100	*13 100	*10 410	*10 410	*8 930	*8 930	*8 040	7 920	*6 380	*6 380	11.7
	3.0 m	kg					*15 320	*15 320	*11 690	*11 690	*9 720	9 590	*8 530	7 560	*6 810	6 150	11.9
	1.5 m	kg					*16 870	15 650	*12 780	11 650	*10 450	9 050	*9 010	7 210	*7 430	5 920	11.9
	0 m	kg					*17 610	14 970	*13 530	11 050	*11 020	8 610	8 820	6 910	7 520	5 880	11.7
	-1.5 m	kg			*11 600	*11 600	*17 750	14 680	*13 890	10 690	10 720	8 320	8 610	6 710	7 750	6 030	11.3
	-3.0 m	kg	*12 200	*12 200	*16 370	*16 370	*17 430	14 610	13 740	10 540	10 560	8 170	8 510	6 620	8 300	6 450	10.7
	-4.5 m	kg	*16 700	*16 700	*21 210	*21 210	*16 650	14 730	*13 390	10 560	10 570	8 190			9 380	7 290	9.8
	-6.0 m	kg	*21 810	*21 810	*19 160	*19 160	*15 220	15 050	*12 280	10 780					*10 480	8 940	8.6
	-7.5 m	kg			*15 860	*15 860	*12 650	*12 650							*11 080	*11 080	6.8
Boom : 8.7 m Arm : 3.9 m Shoe : 800 mm CWT : 10 000 kg	9.0 m	kg													*5 960	*5 960	9.7
	7.5 m	kg									*7 630	*7 630	*6 530	*6 530	*5 960	*5 960	10.6
	6.0 m	kg							*9 170	*9 170	*8 190	*8 190	*7 610	*7 610	*6 100	*6 100	11.3
	4.5 m	kg					*13 100	*13 100	*10 410	*10 410	*8 930	*8 930	*8 040	7 990	*6 380	*6 380	11.7
	3.0 m	kg					*15 320	*15 320	*11 690	*11 690	*9 720	9 670	*8 530	7 630	*6 810	6 210	11.9
	1.5 m	kg					*16 870	15 790	*12 780	11 750	*10 450	9 130	*9 010	7 280	*7 430	5 980	11.9
	0 m	kg					*17 610	15 110	*13 530	11 150	*11 020	8 700	8 910	6 980	7 590	5 940	11.7
	-1.5 m	kg			*11 600	*11 600	*17 750	14 820	*13 890	10 800	10 820	8 400	8 690	6 780	7 820	6 100	11.3
	-3.0 m	kg	*12 200	*12 200	*16 370	*16 370	*17 430	14 760	*13 870	10 640	10 660	8 260	8 600	6 680	8 390	6 520	10.7
	-4.5 m	kg	*16 700	*16 700	*21 210	*21 210	*16 650	14 880	*13 390	10 670	10 670	8 270			9 470	7 360	9.8
	-6.0 m	kg	*21 810	*21 810	*19 160	*19 160	*15 220	15 190	*12 280	10 890					*10 480	9 030	8.6
	-7.5 m	kg			*15 860	*15 860	*12 650	*12 650							*11 080	*11 080	6.8

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 EC400F High Reach with Extension Straight & Straight

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		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		Max. reach		Max.
			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	m
Boom : 9.8 m Arm : 3.2 m Shoe : 600 mm CWT : 10 000 kg	13.5 m	kg	*14 340	*14 340	*11 970	*11 970											*11 200	*11 200	6.1
	12.0 m	kg			*12 960	*12 960	*12 390	*12 390									*9 270	*9 270	8.4
	10.5 m	kg			*12 410	*12 410	*12 300	*12 300	*10 780	10 220							*8 380	*8 380	9.9
	9.0 m	kg	*12 800	*12 800	*13 600	*13 600	*12 570	*12 570	*10 820	10 110	9 540	7 620					*7 900	6 920	11.0
	7.5 m	kg			*16 200	*16 200	*13 060	*13 060	*11 040	9 750	9 410	7 500					7 590	5 980	11.8
	6.0 m	kg					*13 630	12 160	*11 310	9 260	9 150	7 240	7 300	5 730			6 890	5 390	12.4
	4.5 m	kg					*14 030	11 210	11 120	8 730	8 830	6 940	7 150	5 590			6 460	5 020	12.7
	3.0 m	kg							10 630	8 260	8 530	6 650	6 990	5 430			6 220	4 820	12.9
	1.5 m	kg							10 280	7 930	8 300	6 420	6 860	5 310			6 160	4 750	12.9
	0 m	kg					*12 090	9 970	10 100	7 750	8 160	6 290	6 790	5 240			6 260	4 830	12.8
	-1.5 m	kg					*10 630	10 020	*9 480	7 720	*8 030	6 260	*6 390	5 260			*5 700	5 060	12.4
	-3.0 m	kg					*8 840	*8 840	*8 030	7 810	*6 720	6 340					*4 840	*4 840	11.9
	-4.5 m	kg							*6 060	*6 060									11.1
Boom : 9.8 m Arm : 3.2 m Shoe : 700 mm CWT : 10 000 kg	13.5 m	kg	*14 340	*14 340	*11 970	*11 970											*11 200	*11 200	6.1
	12.0 m	kg			*12 960	*12 960	*12 390	*12 390									*9 270	*9 270	8.4
	10.5 m	kg			*12 410	*12 410	*12 300	*12 300	*10 780	10 310							*8 380	*8 380	9.9
	9.0 m	kg	*12 800	*12 800	*13 600	*13 600	*12 570	*12 570	*10 820	10 190	*9 570	7 680					*7 900	6 980	11.0
	7.5 m	kg			*16 200	*16 200	*13 060	*13 060	*11 040	9 830	9 500	7 570					*7 640	6 040	11.8
	6.0 m	kg					*13 630	12 260	*11 310	9 340	9 230	7 310	7 370	5 790			6 960	5 450	12.4
	4.5 m	kg					*14 030	11 320	11 220	8 810	8 920	7 010	7 220	5 650			6 520	5 070	12.7
	3.0 m	kg							10 730	8 340	8 620	6 720	7 060	5 490			6 290	4 870	12.9
	1.5 m	kg							10 390	8 010	8 380	6 490	6 930	5 360			6 220	4 810	12.9
	0 m	kg					*12 090	10 080	10 200	7 840	8 240	6 360	6 860	5 300			6 320	4 880	12.8
	-1.5 m	kg					*10 630	10 130	*9 480	7 800	*8 030	6 320	*6 390	5 310			*5 700	5 120	12.4
	-3.0 m	kg					*8 840	*8 840	*8 030	7 900	*6 720	6 400					*4 840	*4 840	11.9
	-4.5 m	kg							*6 060	*6 060									11.1
Boom : 9.8 m Arm : 3.2 m Shoe : 800 mm CWT : 10 000 kg	13.5 m	kg	*14 340	*14 340	*11 970	*11 970											*11 200	*11 200	6.1
	12.0 m	kg			*12 960	*12 960	*12 390	*12 390									*9 270	*9 270	8.4
	10.5 m	kg			*12 410	*12 410	*12 300	*12 300	*10 780	10 390							*8 380	*8 380	9.9
	9.0 m	kg	*12 800	*12 800	*13 600	*13 600	*12 570	*12 570	*10 820	10 270	*9 570	7 750					*7 900	7 050	11.0
	7.5 m	kg			*16 200	*16 200	*13 060	*13 060	*11 040	9 910	9 580	7 630					*7 640	6 100	11.8
	6.0 m	kg					*13 630	12 370	*11 310	9 420	9 320	7 380	7 440	5 840			7 030	5 500	12.4
	4.5 m	kg					*14 030	11 420	11 320	8 890	9 000	7 070	7 290	5 710			6 590	5 130	12.7
	3.0 m	kg							10 830	8 430	8 700	6 790	7 130	5 550			6 350	4 920	12.9
	1.5 m	kg							10 490	8 090	8 470	6 560	7 000	5 420			6 290	4 860	12.9
	0 m	kg					*12 090	10 180	10 300	7 920	8 330	6 430	6 930	5 350			*6 340	4 940	12.8
	-1.5 m	kg					*10 630	10 230	*9 480	7 890	*8 030	6 390	*6 390	5 370			*5 700	5 170	12.4
	-3.0 m	kg					*8 840	*8 840	*8 030	7 980	*6 720	6 470					*4 840	*4 840	11.9
	-4.5 m	kg							*6 060	*6 060									11.1

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 EC400F High Reach with Extension Straight & Straight

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		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		Max. reach		Max.
			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	m
Boom : 9.8 m Arm : 3.9 m Shoe : 600 mm CWT : 10 000 kg	15.0 m	kg															*11 490	*11 490	4.3
	13.5 m	kg			*10 980	*10 980											*8 290	*8 290	7.5
	12.0 m	kg			*10 220	*10 220	*10 340	*10 340	*8 760	*8 760							*7 140	*7 140	9.4
	10.5 m	kg			*9 630	*9 630	*10 220	*10 220	*10 210	*10 210	*7 900	7 800					*6 540	*6 540	10.7
	9.0 m	kg			*10 080	*10 080	*10 710	*10 710	*10 440	10 350	*9 250	7 830					*6 200	6 180	11.8
	7.5 m	kg			*14 250	*14 250	*12 600	*12 600	*10 700	9 960	*9 340	7 650	7 520	5 950			*6 020	5 410	12.5
	6.0 m	kg					*13 220	12 510	*11 020	9 440	9 270	7 350	7 390	5 820			*5 950	4 910	13.1
	4.5 m	kg					*13 750	11 520	11 280	8 870	8 910	7 010	7 200	5 630			5 930	4 590	13.4
	3.0 m	kg					13 860	10 680	10 730	8 350	8 570	6 680	7 000	5 440	5 790	4 460	5 720	4 410	13.6
	1.5 m	kg					13 280	10 130	10 310	7 950	8 290	6 410	6 830	5 270	5 720	4 400	5 660	4 350	13.6
	0 m	kg					*12 710	9 880	10 050	7 700	8 100	6 230	6 710	5 160			5 730	4 400	13.4
	-1.5 m	kg					*11 450	9 840	*9 890	7 600	8 010	6 140	6 670	5 120			*5 450	4 590	13.1
	-3.0 m	kg			*10 070	*10 070	*9 820	*9 820	*8 640	7 630	*7 280	6 170	*5 700	5 190			*4 750	*4 750	12.6
	-4.5 m	kg					*7 760	*7 760	*6 930	*6 930	*5 670	*5 670							11.9
Boom : 9.8 m Arm : 3.9 m Shoe : 700 mm CWT : 10 000 kg	15.0 m	kg															*11 490	*11 490	4.3
	13.5 m	kg			*10 980	*10 980											*8 290	*8 290	7.5
	12.0 m	kg			*10 220	*10 220	*10 340	*10 340	*8 760	*8 760							*7 140	*7 140	9.4
	10.5 m	kg			*9 630	*9 630	*10 220	*10 220	*10 210	*10 210	*7 900	7 870					*6 540	*6 540	10.7
	9.0 m	kg			*10 080	*10 080	*10 710	*10 710	*10 440	10 430	*9 250	7 900					*6 200	*6 200	11.8
	7.5 m	kg			*14 250	*14 250	*12 600	*12 600	*10 700	10 040	*9 340	7 710	7 590	6 000			*6 020	5 470	12.5
	6.0 m	kg					*13 220	12 620	*11 020	9 520	9 350	7 420	7 460	5 880			*5 950	4 960	13.1
	4.5 m	kg					*13 750	11 630	*11 300	8 960	9 000	7 080	7 270	5 690			*5 970	4 640	13.4
	3.0 m	kg					*13 930	10 780	10 830	8 430	8 660	6 750	7 070	5 500	5 850	4 510	5 790	4 460	13.6
	1.5 m	kg					13 410	10 240	10 410	8 030	8 370	6 480	6 900	5 330	5 780	4 450	5 720	4 400	13.6
	0 m	kg					*12 710	9 980	10 150	7 780	8 180	6 300	6 780	5 220			5 800	4 450	13.4
	-1.5 m	kg					*11 450	9 940	*9 890	7 680	8 100	6 210	6 740	5 180			*5 450	4 640	13.1
	-3.0 m	kg			*10 070	*10 070	*9 820	*9 820	*8 640	7 720	*7 280	6 240	*5 700	5 250			*4 750	*4 750	12.6
	-4.5 m	kg					*7 760	*7 760	*6 930	*6 930	*5 670	*5 670							11.9
Boom : 9.8 m Arm : 3.9 m Shoe : 800 mm CWT : 10 000 kg	15.0 m	kg															*11 490	*11 490	4.3
	13.5 m	kg			*10 980	*10 980											*8 290	*8 290	7.5
	12.0 m	kg			*10 220	*10 220	*10 340	*10 340	*8 760	*8 760							*7 140	*7 140	9.4
	10.5 m	kg			*9 630	*9 630	*10 220	*10 220	*10 210	*10 210	*7 900	*7 900					*6 540	*6 540	10.7
	9.0 m	kg			*10 080	*10 080	*10 710	*10 710	*10 440	*10 440	*9 250	7 970					*6 200	*6 200	11.8
	7.5 m	kg			*14 250	*14 250	*12 600	*12 600	*10 700	10 130	*9 340	7 780	7 670	6 060			*6 020	5 530	12.5
	6.0 m	kg					*13 220	12 720	*11 020	9 610	9 430	7 490	7 540	5 940			*5 950	5 020	13.1
	4.5 m	kg					*13 750	11 730	*11 300	9 040	9 080	7 150	7 340	5 750			*5 970	4 690	13.4
	3.0 m	kg					*13 930	10 890	10 930	8 510	8 740	6 820	7 140	5 550	5 910	4 560	5 850	4 510	13.6
	1.5 m	kg					13 540	10 340	10 510	8 110	8 460	6 550	6 970	5 390	5 850	4 500	5 780	4 450	13.6
	0 m	kg					*12 710	10 090	10 250	7 860	8 270	6 360	6 850	5 270			5 860	4 500	13.4
	-1.5 m	kg					*11 450	10 050	*9 890	7 760	8 180	6 280	6 810	5 240			*5 450	4 690	13.1
	-3.0 m	kg			*10 070	*10 070	*9 820	*9 820	*8 640	7 800	*7 280	6 310	*5 700	5 300			*4 750	*4 750	12.6
	-4.5 m	kg					*7 760	*7 760	*6 930	*6 930	*5 670	*5 670							11.9

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 EC500F High Reach with Bent Boom

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		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 7.0 m Arm : 3.35 m Shoe : 600 mm CWT : 13 000 kg Mechanical retractable Undercarriage	9.0 m	kg							*10 830	*10 830					*9 730	*9 730	7.7
	7.5 m	kg							*14 580	*14 580					*9 220	*9 220	8.7
	6.0 m	kg							*16 080	*16 080	*12 790	12 240			*9 090	*9 090	9.5
	4.5 m	kg			*27 530	*27 530	*20 900	*20 900	*17 700	15 910	*15 970	11 960			*9 220	*9 220	9.9
	3.0 m	kg			*23 680	*23 680	*24 250	21 150	*19 540	15 220	15 780	11 590			*9 620	*9 620	10.1
	1.5 m	kg			*16 610	*16 610	*26 860	20 110	20 290	14 620	15 410	11 250			*10 310	9 500	10.1
	0 m	kg			*20 560	*20 560	28 080	19 490	19 820	14 190	15 140	10 990			*11 420	9 710	9.8
	-1.5 m	kg	*15 380	*15 380	*28 830	*28 830	27 800	19 240	19 590	13 980	15 030	10 890			*13 250	10 380	9.3
	-3.0 m	kg	*25 050	*25 050	*34 980	30 590	*26 890	19 290	19 610	14 000					16 310	11 800	8.5
	-4.5 m	kg			*30 330	*30 330	*23 500	19 650							*18 110	14 790	7.3
Boom : 7.0 m Arm : 3.35 m Shoe : 750 mm CWT : 13 000 kg Mechanical retractable Undercarriage	9.0 m	kg							*10 770	*10 770					*9 830	*9 830	7.6
	7.5 m	kg							*11 910	*11 910					*9 330	*9 330	8.7
	6.0 m	kg							*12 660	*12 660	*11 990	11 750			*9 190	*9 190	9.5
	4.5 m	kg			*21 680	*21 680	*16 460	*16 460	*13 920	*13 920	*12 540	11 500			*9 320	*9 320	9.9
	3.0 m	kg			*24 150	*24 150	*19 070	*19 070	*15 360	14 650	*13 300	11 170			*9 710	9 320	10.1
	1.5 m	kg			*16 690	*16 690	*21 140	19 440	*16 620	14 110	*14 000	10 860			*10 400	9 180	10.1
	0 m	kg			*20 540	*20 540	*22 220	18 890	*17 420	13 730	13 770	10 640			*11 520	9 390	9.8
	-1.5 m	kg	*15 320	*15 320	*28 740	*28 740	*22 260	18 660	*17 550	13 540	13 680	10 550			13 000	10 040	9.3
	-3.0 m	kg	*24 960	*24 960	*27 600	*27 600	*21 190	18 710	*16 700	13 570					*13 980	11 400	8.6
	-4.5 m	kg	*31 570	*31 570	*23 930	*23 930	*18 520	*18 520							*14 190	*14 190	7.4
Boom : 7.0 m Arm : 3.9 m Shoe : 600 mm CWT : 13 000 kg Mechanical retractable Undercarriage	9.0 m	kg													*7 770	*7 770	8.3
	7.5 m	kg									*9 290	*9 290			*7 410	*7 410	9.3
	6.0 m	kg							*14 450	*14 450	*12 110	*12 110			*7 320	*7 320	10.0
	4.5 m	kg					*19 390	*19 390	*16 680	16 120	*14 580	12 090			*7 410	*7 410	10.4
	3.0 m	kg			*31 740	*31 740	*22 900	21 480	*18 640	15 380	15 880	11 680	*8 840	*8 840	*7 710	*7 710	10.6
	1.5 m	kg			*21 770	*21 770	*25 860	20 300	20 390	14 700	15 460	11 280	*9 260	8 950	*8 230	*8 230	10.6
	0 m	kg	*8 450	*8 450	*22 190	*22 190	*27 690	19 530	19 830	14 190	15 120	10 970			*9 070	9 000	10.3
	-1.5 m	kg	*15 050	*15 050	*27 770	*27 770	27 700	19 140	19 510	13 900	14 930	10 790			*10 390	9 530	9.9
	-3.0 m	kg	*22 540	*22 540	*36 200	30 230	*27 430	19 080	19 440	13 830	14 950	10 810			*12 670	10 640	9.1
	-4.5 m	kg	*32 360	*32 360	*32 420	30 690	*24 910	19 320	*19 320	14 050					*17 280	12 880	8.0
	-6.0 m	kg					*19 060	*19 060									6.4
Boom : 7.0 m Arm : 3.9 m Shoe : 750 mm CWT : 13 000 kg Mechanical retractable Undercarriage	9.0 m	kg													*7 770	*7 770	8.3
	7.5 m	kg									*9 290	*9 290			*7 410	*7 410	9.3
	6.0 m	kg							*14 450	*14 450	*12 110	*12 110			*7 320	*7 320	10.
	4.5 m	kg					*19 390	*19 390	*16 680	16 310	*14 580	12 240			*7 410	*7 410	10.4
	3.0 m	kg			*31 740	*31 740	*22 900	21 730	*18 640	15 570	16 080	11 820	*8 840	*8 840	*7 710	*7 710	10.6
	1.5 m	kg			*21 770	*21 770	*25 860	20 550	*20 440	14 890	15 660	11 430	*9 260	9 070	*8 230	*8 230	10.6
	0 m	kg	*8 450	*8 450	*22 190	*22 190	*27 690	19 780	20 090	14 380	15 320	11 110			*9 070	*9 070	10.3
	-1.5 m	kg	*15 050	*15 050	*27 770	*27 770	28 070	19 390	19 770	14 080	15 130	10 930			*10 390	9 660	9.9
	-3.0 m	kg	*22 540	*22 540	*36 200	30 610	*27 430	19 330	19 700	14 010	*15 080	10 960			*12 670	10 790	9.1
	-4.5 m	kg	*32 360	*32 360	*32 420	31 070	*24 910	19 570	*19 320	14 230					*17 280	13 050	8.0
	-6.0 m	kg					*19 060	*19 060									6.4

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 EC500F High Reach with Bent Boom

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		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 7.0 m Arm : 3.35 m Shoe : 600 mm CWT : 13 000 kg Hydraulically variable Undercarriage	9.0 m	kg							*10 830	*10 830					*9 730	*9 730	7.7
	7.5 m	kg							*14 580	*14 580					*9 220	*9 220	8.7
	6.0 m	kg							*16 080	*16 080	*12 790	*12 790			*9 090	*9 090	9.5
	4.5 m	kg			*27 530	*27 530	*20 900	*20 900	*17 700	17 300	*15 970	13 040			*9 220	*9 220	9.9
	3.0 m	kg			*23 680	*23 680	*24 250	23 090	*19 540	16 610	*16 940	12 670			*9 620	*9 620	10.1
	1.5 m	kg			*16 610	*16 610	*26 860	22 040	*21 150	16 000	*17 840	12 320			*10 310	*10 310	10.1
	0 m	kg			*20 560	*20 560	*28 220	21 420	*22 160	15 570	17 800	12 070			*11 420	10 670	9.8
	-1.5 m	kg	*15 380	*15 380	*28 830	*28 830	*28 260	21 160	*22 310	15 350	17 690	11 960			*13 250	11 410	9.3
	-3.0 m	kg	*25 050	*25 050	*34 980	33 750	*26 890	21 210	*21 220	15 380					*16 540	12 950	8.5
	-4.5 m	kg			*30 330	*30 330		21 580							*18 110	16 220	7.3
Boom : 7.0 m Arm : 3.35 m Shoe : 750 mm CWT : 13 000 kg Hydraulically variable Undercarriage	9.0 m	kg							*10 830	*10 830					*9 730	*9 730	7.7
	7.5 m	kg							*14 580	*14 580					*9 220	*9 220	8.7
	6.0 m	kg							*16 080	*16 080	*12 790	*12 790			*9 090	*9 090	9.5
	4.5 m	kg			*27 530	*27 530	*20 900	*20 900	*17 700	17 490	*15 970	13 190			*9 220	*9 220	9.9
	3.0 m	kg			*23 680	*23 680	*24 250	23 340	*19 540	16 800	*16 940	12 820			*9 620	*9 620	10.1
	1.5 m	kg			*16 610	*16 610	*26 860	22 300	*21 150	16 190	*17 840	12 470			*10 310	*10 310	10.1
	0 m	kg			*20 560	*20 560	*28 220	21 680	*22 160	15 760	18 020	12 220			*11 420	10 800	9.8
	-1.5 m	kg	*15 380	*15 380	*28 830	*28 830	*28 260	21 420	*22 310	15 540	17 910	12 110			*13 250	11 550	9.3
	-3.0 m	kg	*25 050	*25 050	*34 980	34 150	*26 890	21 470	*21 220	15 570					*16 540	13 110	8.5
	-4.5 m	kg			*30 330	*30 330	*23 500	21 830							*18 110	16 410	7.3
Boom : 7.0 m Arm : 3.35 m Shoe : 900 mm CWT : 13 000 kg Hydraulically variable Undercarriage	9.0 m	kg							*10 830	*10 830					*9 730	*9 730	7.7
	7.5 m	kg							*14 580	*14 580					*9 220	*9 220	8.7
	6.0 m	kg							*16 080	*16 080	*12 790	*12 790			*9 090	*9 090	9.5
	4.5 m	kg			*27 530	*27 530	*20 900	*20 900	*17 700	17 680	*15 970	13 340			*9 220	*9 220	9.9
	3.0 m	kg			*23 680	*23 680	*24 250	23 600	*19 540	16 990	*16 940	12 970			*9 620	*9 620	10.1
	1.5 m	kg			*16 610	*16 610	*26 860	22 560	*21 150	16 380	*17 840	12 620			*10 310	*10 310	10.1
	0 m	kg			*20 560	*20 560	*28 220	21 930	*22 160	15 950	18 250	12 370			*11 420	10 930	9.8
	-1.5 m	kg	*15 380	*15 380	*28 830	*28 830	*28 260	21 680	*22 310	15 730	18 130	12 260			*13 250	11 690	9.3
	-3.0 m	kg	*25 050	*25 050	*34 980	34 550	*26 890	21 720	*21 220	15 760					*16 540	13 270	8.5
	-4.5 m	kg			*30 330	*30 330	*23 500	22 090							*18 110	16 610	7.3

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 EC500F High Reach with Bent Boom

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		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 7.0 m Arm : 3.9 m Shoe : 600 mm CWT : 13 000 kg Hydraulically variable Undercarriage	9.0 m	kg													*7 770	*7 770	8.3
	7.5 m	kg									*9 290	*9 290			*7 410	*7 410	9.3
	6.0 m	kg							*14 450	*14 450	*12 110	*12 110			*7 320	*7 320	10.0
	4.5 m	kg					*19 390	*19 390	*16 680	*16 680	*14 580	13 170			*7 410	*7 410	10.4
	3.0 m	kg			*31 740	*31 740	*22 900	*22 900	*18 640	16 770	*16 250	12 760	*8 840	*8 840	*7 710	*7 710	10.6
	1.5 m	kg			*21 770	*21 770	*25 860	22 230	*20 440	16 090	*17 310	12 360	*9 260	*9 260	*8 230	*8 230	10.6
	0 m	kg	*8 450	*8 450	*22 190	*22 190	*27 690	21 450	*21 720	15 570	17 780	12 040			*9 070	*9 070	10.3
	-1.5 m	kg	*15 050	*15 050	*27 770	*27 770	*28 230	21 070	*22 220	15 270	17 590	11 860			*10 390	*10 390	9.9
	-3.0 m	kg	*22 540	*22 540	*36 200	33 380	*27 430	21 000	*21 660	15 210	*15 080	11 890			*12 670	11 700	9.1
	-4.5 m	kg	*32 360	*32 360	*32 420	*32 420	*24 910	21 250	*19 320	15 430					*17 280	14 140	8.0
	-6.0 m	kg					*19 060	*19 060									6.4
Boom : 7.0 m Arm : 3.9 m Shoe : 750 mm CWT : 13 000 kg Hydraulically variable Undercarriage	9.0 m	kg													*7 770	*7 770	8.3
	7.5 m	kg									*9 290	*9 290			*7 410	*7 410	9.3
	6.0 m	kg							*14 450	*14 450	*12 110	*12 110			*7 320	*7 320	10.0
	4.5 m	kg					*19 390	*19 390	*16 680	*16 680	*14 580	13 320			*7 410	*7 410	10.4
	3.0 m	kg			*31 740	*31 740	*22 900	*22 900	*18 640	16 960	*16 250	12 910	*8 840	*8 840	*7 710	*7 710	10.6
	1.5 m	kg			*21 770	*21 770	*25 860	22 490	*20 440	16 280	*17 310	12 510	*9 260	*9 260	*8 230	*8 230	10.6
	0 m	kg	*8 450	*8 450	*22 190	*22 190	*27 690	21 710	*21 720	15 760	18 010	12 190			*9 070	*9 070	10.3
	-1.5 m	kg	*15 050	*15 050	*27 770	*27 770	*28 230	21 320	*22 220	15 460	17 810	12 010			*10 390	*10 390	9.9
	-3.0 m	kg	*22 540	*22 540	*36 200	33 780	*27 430	21 260	*21 660	15 400	*15 080	12 040			*12 670	11 850	9.1
	-4.5 m	kg	*32 360	*32 360	*32 420	*32 420	*24 910	21 500	*19 320	15 620					*17 280	14 320	8.0
	-6.0 m	kg					*19 060	*19 060									6.4
Boom : 7.0 m Arm : 3.9 m Shoe : 800 mm CWT : 13 000 kg Hydraulically variable Undercarriage	9.0 m	kg													*7 770	*7 770	8.3
	7.5 m	kg									*9 290	*9 290			*7 410	*7 410	9.3
	6.0 m	kg							*14 450	*14 450	*12 110	*12 110			*7 320	*7 320	10.0
	4.5 m	kg					*19 390	*19 390	*16 680	*16 680	*14 580	13 470			*7 410	*7 410	10.4
	3.0 m	kg			*31 740	*31 740	*22 900	*22 900	*18 640	17 150	*16 250	13 060	*8 840	*8 840	*7 710	*7 710	10.6
	1.5 m	kg			*21 770	*21 770	*25 860	22 750	*20 440	16 470	*17 310	12 660	*9 260	*9 260	*8 230	*8 230	10.6
	0 m	kg	*8 450	*8 450	*22 190	*22 190	*27 690	21 970	*21 720	15 950	*18 060	12 340			*9 070	*9 070	10.3
	-1.5 m	kg	*15 050	*15 050	*27 770	*27 770	*28 230	21 580	*22 220	15 650	18 030	12 160			*10 390	*10 390	9.9
	-3.0 m	kg	*22 540	*22 540	*36 200	34 180	*27 430	21 520	*21 660	15 590	*15 080	12 190			*12 670	12 000	9.1
	-4.5 m	kg	*32 360	*32 360	*32 420	*32 420	*24 910	21 760	*19 320	15 810					*17 280	14 490	8.0
	-6.0 m	kg					*19 060	*19 060									6.4

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 EC500F High Reach with Straight Boom

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		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 7.5 m Arm : 3.35 m Shoe : 600 mm CWT : 13 000 kg Mechanical retractable Undercarriage	12.0 m	kg													*14 300	*14 300	4.9
	10.5 m	kg			*14 940	*14 940									*11 230	*11 230	7.2
	9.0 m	kg			*14 430	*14 430	*14 350	*14 350							*10 000	*10 000	8.6
	7.5 m	kg			*14 910	*14 910	*15 370	*15 370	*13 370	12 050					*9 390	*9 390	9.6
	6.0 m	kg	*23 110	*23 110	*19 350	*19 350	*17 850	15 860	*15 830	11 860					*9 130	*9 130	10.2
	4.5 m	kg			*25 400	21 300	*20 590	15 210	15 710	11 530	*11 200	9 020			*9 110	8 800	10.7
	3.0 m	kg			*27 510	20 060	20 220	14 560	15 330	11 170	12 130	8 870			*9 300	8 440	10.8
	1.5 m	kg			27 790	19 240	19 650	14 040	15 000	10 870	11 980	8 730			*9 710	8 370	10.8
	0 m	kg			27 370	18 860	19 310	13 730	14 800	10 670	11 930	8 680			*10 400	8 600	10.6
	-1.5 m	kg	*17 710	*17 710	*25 390	18 820	19 210	13 630	14 750	10 630					*11 530	9 180	10.1
	-3.0 m	kg	*25 520	*25 520	*21 850	19 030	*17 830	13 760	*13 560	10 800					*11 930	10 300	9.4
Boom : 7.5 m Arm : 3.35 m Shoe : 750 mm CWT : 13 000 kg Mechanical retractable Undercarriage	12.0 m	kg													*14 300	*14 300	4.9
	10.5 m	kg			*14 940	*14 940									*11 230	*11 230	7.2
	9.0 m	kg			*14 430	*14 430	*14 350	*14 350							*10 000	*10 000	8.6
	7.5 m	kg			*14 910	*14 910	*15 370	*15 370	*13 370	12 190					*9 390	*9 390	9.6
	6.0 m	kg	*23 110	*23 110	*19 350	*19 350	*17 850	16 050	*15 830	12 010					*9 130	*9 130	10.2
	4.5 m	kg			*25 400	21 550	*20 590	15 400	15 920	11 680	*11 200	9 140			*9 110	8 910	10.7
	3.0 m	kg			*27 510	20 310	20 480	14 740	15 530	11 320	12 300	8 990			*9 300	8 550	10.8
	1.5 m	kg			28 150	19 490	19 910	14 220	15 200	11 010	12 150	8 850			*9 710	8 490	10.8
	0 m	kg			*27 520	19 110	19 570	13 910	15 000	10 820	12 090	8 800			*10 400	8 720	10.6
	-1.5 m	kg	*17 710	*17 710	*25 390	19 070	19 470	13 820	14 950	10 780					*11 530	9 310	10.1
	-3.0 m	kg	*25 520	*25 520	*21 850	19 270	*17 830	13 940	*13 560	10 950					*11 930	10 440	9.4
Boom : 7.5 m Arm : 3.9 m Shoe : 600 mm CWT : 13 000 kg Mechanical retractable Undercarriage	12.0 m	kg													*10 670	*10 670	6.0
	10.5 m	kg							*10 980	*10 980					*8 820	*8 820	7.9
	9.0 m	kg							*12 220	*12 220	*9 630	*9 630			*7 970	*7 970	9.2
	7.5 m	kg					*12 070	*12 070	*12 760	*12 760	*12 090	*12 090			*7 530	*7 530	10.2
	6.0 m	kg			*14 540	*14 540	*14 760	*14 760	*14 570	*14 570	*13 640	12 000	*9 740	9 240	*7 350	*7 350	10.8
	4.5 m	kg			*32 580	*32 580	*24 280	21 680	*19 600	15 390	15 820	11 620	*12 120	9 090	*7 330	*7 330	11.2
	3.0 m	kg					*26 690	20 340	20 360	14 670	15 390	11 220	12 150	8 880	*7 480	*7 480	11.4
	1.5 m	kg					27 930	19 340	19 710	14 070	15 010	10 860	11 950	8 690	*7 790	7 770	11.3
	0 m	kg			*11 870	*11 870	27 320	18 800	19 270	13 680	14 740	10 610	11 820	8 570	*8 320	7 950	11.1
	-1.5 m	kg			*17 710	*17 710	*26 250	18 640	19 080	13 500	14 620	10 500	11 830	8 580	*9 150	8 430	10.7
	-3.0 m	kg			*26 110	*26 110	*23 280	18 750	*18 870	13 550	14 700	10 580			*10 480	9 330	10.0
	-4.5 m	kg					*18 600	*18 600	*14 910	13 830							9.0
Boom : 7.5 m Arm : 3.9 m Shoe : 750 mm CWT : 13 000 kg Mechanical retractable Undercarriage	12.0 m	kg													*10 670	*10 670	6.0
	10.5 m	kg							*10 980	*10 980					*8 820	*8 820	7.9
	9.0 m	kg							*12 220	*12 220	*9 630	*9 630			*7 970	*7 970	9.2
	7.5 m	kg					*12 070	*12 070	*12 760	*12 760	*12 090	*12 090			*7 530	*7 530	10.2
	6.0 m	kg			*14 540	*14 540	*14 760	*14 760	*14 570	*14 570	*13 640	12 140	*9 740	9 360	*7 350	*7 350	10.8
	4.5 m	kg			*32 580	*32 580	*24 280	21 930	*19 600	15 580	16 020	11 770	*12 120	9 210	*7 330	*7 330	11.2
	3.0 m	kg					*26 690	20 590	20 620	14 860	15 590	11 370	12 320	9 000	*7 480	*7 480	11.4
	1.5 m	kg					*28 000	19 590	19 960	14 260	15 210	11 010	12 120	8 810	*7 790	*7 790	11.3
	0 m	kg			*11 870	*11 870	27 680	19 050	19 530	13 860	14 940	10 760	11 990	8 690	*8 320	8 060	11.1
	-1.5 m	kg			*17 710	*17 710	*26 250	18 890	19 340	13 690	14 820	10 650	12 000	8 700	*9 150	8 540	10.7
	-3.0 m	kg			*26 110	*26 110	*23 280	19 000	*18 870	13 730	14 900	10 720			*10 480	9 460	10.0
	-4.5 m	kg					*18 600	*18 600	*14 910	14 020							9.0

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 EC500F High Reach with Straight Boom

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		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 7.5 m Arm : 3.35 m Shoe : 600 mm CWT : 13 000 kg Hydraulically variable Undercarriage	12.0 m	kg													*14 300	*14 300	4.9
	10.5 m	kg					*14 940	*14 940							*11 230	*11 230	7.2
	9.0 m	kg					*14 430	*14 430	*14 350	*14 350					*10 000	*10 000	8.6
	7.5 m	kg					*14 910	*14 910	*15 370	*15 370	*13 370	13 130			*9 390	*9 390	9.6
	6.0 m	kg			*23 110	*23 110	*19 350	*19 350	*17 850	17 260	*15 830	12 940			*9 130	*9 130	10.2
	4.5 m	kg					*25 400	23 240	*20 590	16 600	*17 620	12 610	*11 200	9 900	*9 110	*9 110	10.7
	3.0 m	kg					*27 500	21 990	*21 700	15 940	18 000	12 250	*13 740	9 750	*9 300	9 280	10.8
	1.5 m	kg					*28 280	21 160	*22 260	15 410	17 660	11 940	14 090	9 610	*9 710	9 220	10.8
	0 m	kg					*27 520	20 780	*21 950	15 100	17 450	11 750	*12 140	9 560	*10 400	9 470	10.6
	-1.5 m	kg			*17 710	*17 710	*25 380	20 740	*20 570	15 010	*16 580	11 700			*11 530	10 100	10.1
	-3.0 m	kg			*25 520	*25 520	*21 840	20 940	*17 830	15 130	*13 550	11 880			*11 930	11 320	9.4
Boom : 7.5 m Arm : 3.35 m Shoe : 750 mm CWT : 13 000 kg Hydraulically variable Undercarriage	12.0 m	kg													*14 300	*14 300	4.9
	10.5 m	kg					*14 940	*14 940							*11 230	*11 230	7.2
	9.0 m	kg					*14 430	*14 430	*14 350	*14 350					*10 000	*10 000	8.6
	7.5 m	kg					*14 910	*14 910	*15 370	*15 370	*13 370	13 280			*9 390	*9 390	9.6
	6.0 m	kg			*23 110	*23 110	*19 350	*19 350	*17 850	17 450	*15 830	13 090			*9 130	*9 130	10.2
	4.5 m	kg					*25 400	23 490	*20 590	16 790	*17 620	12 760	*11 200	10 020	*9 110	*9 110	10.7
	3.0 m	kg					*27 500	22 250	*21 700	16 130	*18 130	12 400	*13 740	9 870	*9 300	*9 300	10.8
	1.5 m	kg					*28 280	21 410	*22 260	15 600	17 880	12 090	14 270	9 730	*9 710	9 340	10.8
	0 m	kg					*27 520	21 040	*21 950	15 290	17 670	11 900	*12 140	9 680	*10 400	9 590	10.6
	-1.5 m	kg			*17 710	*17 710	*25 380	20 990	*20 570	15 200	*16 580	11 850			*11 530	10 230	10.1
	-3.0 m	kg			*25 520	*25 520	*21 840	21 200	*17 830	15 320	*13 550	12 030			*11 930	11 460	9.4
Boom : 7.5 m Arm : 3.35 m Shoe : 900 mm CWT : 13 000 kg Hydraulically variable Undercarriage	12.0 m	kg													*14 300	*14 300	4.9
	10.5 m	kg					*14 940	*14 940							*11 230	*11 230	7.2
	9.0 m	kg					*14 430	*14 430	*14 350	*14 350					*10 000	*10 000	8.6
	7.5 m	kg					*14 910	*14 910	*15 370	*15 370	*13 370	*13 370			*9 390	*9 390	9.6
	6.0 m	kg			*23 110	*23 110	*19 350	*19 350	*17 850	17 630	*15 830	13 240			*9 130	*9 130	10.2
	4.5 m	kg					*25 400	23 750	*20 590	16 980	*17 620	12 910	*11 200	10 140	*9 110	*9 110	10.7
	3.0 m	kg					*27 500	22 510	*21 700	16 320	*18 130	12 550	*13 740	10 000	*9 300	*9 300	10.8
	1.5 m	kg					*28 280	21 670	*22 260	15 790	18 110	12 240	14 450	9 860	*9 710	9 460	10.8
	0 m	kg					*27 520	21 290	*21 950	15 480	17 890	12 050	*12 140	9 800	*10 400	9 710	10.6
	-1.5 m	kg			*17 710	*17 710	*25 380	21 250	*20 570	15 390	*16 580	12 000			*11 530	10 360	10.1
	-3.0 m	kg			*25 520	*25 520	*21 840	21 460	*17 830	15 510	*13 550	12 180			*11 930	11 610	9.4

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 EC500F High Reach with Straight Boom

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		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 7.5 m Arm : 3.9 m Shoe : 600 mm CWT : 13 000 kg Hydraulically variable Undercarriage	12.0 m	kg													*10 670	*10 670	6.0
	10.5 m	kg							*10 980	*10 980					*8 820	*8 820	7.9
	9.0 m	kg							*12 220	*12 220	*9 630	*9 630			*7 970	*7 970	9.2
	7.5 m	kg					*12 070	*12 070	*12 760	*12 760	*12 090	*12 090			*7 530	*7 530	10.2
	6.0 m	kg			*14 540	*14 540	*14 760	*14 760	*14 570	*14 570	*13 640	13 080	*9 740	*9 740	*7 350	*7 350	10.8
	4.5 m	kg			*32 580	*32 580	*24 280	23 630	*19 600	16 780	*16 130	12 700	*12 120	9 970	*7 330	*7 330	11.2
	3.0 m	kg					*26 690	22 270	*21 170	16 060	*17 770	12 300	*13 970	9 760	*7 480	*7 480	11.4
	1.5 m	kg					*28 000	21 260	*21 990	15 450	17 670	11 940	14 050	9 570	*7 790	*7 790	11.3
	0 m	kg			*11 870	*11 870	*27 830	20 720	*22 020	15 050	17 390	11 680	13 920	9 450	*8 320	*8 320	11.1
	-1.5 m	kg			*17 710	*17 710	*26 250	20 550	*21 060	14 880	*17 100	11 580	*12 040	9 460	*9 150	*9 150	10.7
	-3.0 m	kg			*26 110	*26 110	*23 280	20 670	*18 870	14 930	*14 940	11 650			*10 480	10 270	10.0
	-4.5 m	kg					*18 600	*18 600	*14 910	*14 910							9.0
Boom : 7.5 m Arm : 3.9 m Shoe : 750 mm CWT : 13 000 kg Hydraulically variable Undercarriage	12.0 m	kg													*10 670	*10 670	6.0
	10.5 m	kg							*10 980	*10 980					*8 820	*8 820	7.9
	9.0 m	kg							*12 220	*12 220	*9 630	*9 630			*7 970	*7 970	9.2
	7.5 m	kg					*12 070	*12 070	*12 760	*12 760	*12 090	*12 090			*7 530	*7 530	10.2
	6.0 m	kg			*14 540	*14 540	*14 760	*14 760	*14 570	*14 570	*13 640	13 230	*9 740	*9 740	*7 350	*7 350	10.8
	4.5 m	kg			*32 580	*32 580	*24 280	23 880	*19 600	16 970	*16 130	12 850	*12 120	10 090	*7 330	*7 330	11.2
	3.0 m	kg					*26 690	22 530	*21 170	16 250	*17 770	12 450	*13 970	9 890	*7 480	*7 480	11.4
	1.5 m	kg					*28 000	21 520	*21 990	15 640	17 890	12 090	14 240	9 700	*7 790	*7 790	11.3
	0 m	kg			*11 870	*11 870	*27 830	20 980	*22 020	15 240	17 610	11 830	14 100	9 570	*8 320	*8 320	11.1
	-1.5 m	kg			*17 710	*17 710	*26 250	20 810	*21 060	15 070	*17 100	11 730	*12 040	9 580	*9 150	*9 150	10.7
	-3.0 m	kg			*26 110	*26 110	*23 280	20 930	*18 870	15 110	*14 940	11 800			*10 480	10 400	10.0
	-4.5 m	kg					*18 600	*18 600	*14 910	*14 910							9.0
Boom : 7.5 m Arm : 3.9 m Shoe : 900 mm CWT : 13 000 kg Hydraulically variable Undercarriage	12.0 m	kg													*10 670	*10 670	6.0
	10.5 m	kg							*10 980	*10 980					*8 820	*8 820	7.9
	9.0 m	kg							*12 220	*12 220	*9 630	*9 630			*7 970	*7 970	9.2
	7.5 m	kg					*12 070	*12 070	*12 760	*12 760	*12 090	*12 090			*7 530	*7 530	10.2
	6.0 m	kg			*14 540	*14 540	*14 760	*14 760	*14 570	*14 570	*13 640	13 380	*9 740	*9 740	*7 350	*7 350	10.8
	4.5 m	kg			*32 580	*32 580	*24 280	24 140	*19 600	17 160	*16 130	13 000	*12 120	10 220	*7 330	*7 330	11.2
	3.0 m	kg					*26 690	22 790	*21 170	16 440	*17 770	12 600	*13 970	10 010	*7 480	*7 480	11.4
	1.5 m	kg					*28 000	21 780	*21 990	15 830	18 110	12 240	14 420	9 820	*7 790	*7 790	11.3
	0 m	kg			*11 870	*11 870	*27 830	21 240	*22 020	15 430	17 840	11 980	14 290	9 700	*8 320	*8 320	11.1
	-1.5 m	kg			*17 710	*17 710	*26 250	21 070	*21 060	15 260	*17 100	11 880	*12 040	9 710	*9 150	*9 150	10.7
	-3.0 m	kg			*26 110	*26 110	*23 280	21 180	*18 870	15 300	*14 940	11 950			*10 480	*10 480	10.0
	-4.5 m	kg					*18 600	*18 600	*14 910	*14 910							9.0

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 EC500F High Reach with Extension Bent & Bent

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		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		Max. reach		Max.
			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	m
Boom : 9.4 m Arm : 3.35 m Shoe : 600 mm CWT : 13 000 kg Mechanical retractable Undercarriage	9.0 m	kg															*9 090	*9 090	10.0
	7.5 m	kg											*9 640	9 300			*9 280	8 740	10.8
	6.0 m	kg					*16 440	*16 440	*12 960	*12 960	*11 160	*11 160	*10 130	8 900			*9 670	7 590	11.4
	4.5 m	kg					*16 990	*16 990	*14 780	13 880	*12 230	10 710	*10 780	8 400			9 670	6 820	11.8
	3.0 m	kg							*16 480	12 550	*13 310	9 890	11 240	7 870			9 100	6 320	12.0
	1.5 m	kg							17 240	11 600	13 410	9 200	10 740	7 400			8 810	6 040	11.9
	0 m	kg					*14 380	*14 380	16 630	11 040	12 880	8 700	10 350	7 030			8 790	5 960	11.7
	-1.5 m	kg					*21 730	14 880	16 320	10 760	12 540	8 400	10 090	6 790			9 080	6 110	11.3
	-3.0 m	kg			*19 710	*19 710	*23 020	14 960	16 230	10 680	12 410	8 270	9 990	6 690			9 780	6 560	10.7
	-4.5 m	kg	*22 760	*22 760	*27 300	24 990	*22 020	15 190	16 350	10 790	12 470	8 330					11 170	7 490	9.7
	-6.0 m	kg			*25 090	*25 090	*20 300	15 640	*16 600	11 120							13 990	9 400	8.5
	-7.5 m	kg			*21 260	*21 260	*17 230	16 450									*15 830	14 280	6.6
Boom : 9.4 m Arm : 3.35 m Shoe : 750 mm CWT : 13 000 kg Mechanical retractable Undercarriage	9.0 m	kg															*9 090	*9 090	10.0
	7.5 m	kg											*9 640	9 420			*9 280	8 860	10.8
	6.0 m	kg					*16 440	*16 440	*12 960	*12 960	*11 160	*11 160	*10 130	9 020			*9 670	7 700	11.4
	4.5 m	kg					*16 990	*16 990	*14 780	14 060	*12 230	10 860	*10 780	8 520			9 810	6 920	11.8
	3.0 m	kg							*16 480	12 740	*13 310	10 040	11 400	8 000			9 240	6 420	12.0
	1.5 m	kg							17 500	11 790	13 610	9 350	10 900	7 530			8 950	6 140	11.9
	0 m	kg					*14 380	*14 380	16 880	11 220	13 080	8 850	10 510	7 150			8 930	6 070	11.7
	-1.5 m	kg					*21 730	15 130	16 580	10 940	12 750	8 540	10 250	6 910			9 220	6 220	11.3
	-3.0 m	kg			*19 710	*19 710	*23 020	15 210	16 490	10 860	12 610	8 410	10 150	6 820			9 940	6 680	10.7
	-4.5 m	kg	*22 760	*22 760	*27 300	25 380	*22 020	15 440	16 610	10 970	12 670	8 470					11 350	7 620	9.7
	-6.0 m	kg			*25 090	*25 090	*20 300	15 890	*16 600	11 300							14 210	9 550	8.5
	-7.5 m	kg			*21 260	*21 260	*17 230	16 700									*15 830	14 500	6.6
Boom : 9.4 m Arm : 3.9 m Shoe : 600 mm CWT : 13 000 kg Mechanical retractable Undercarriage	9.0 m	kg															*7 320	*7 320	10.5
	7.5 m	kg											*9 080	*9 080			*7 470	*7 470	11.3
	6.0 m	kg			*20 520	*20 520					*10 550	*10 550	*9 610	9 080			*7 770	7 200	11.8
	4.5 m	kg					*18 460	*18 460	*13 950	*13 950	*11 650	10 930	*10 300	8 530	9 500	6 710	*8 250	6 480	12.2
	3.0 m	kg					*16 350	*16 350	*15 710	12 880	*12 780	10 060	*11 040	7 970	9 130	6 360	8 660	6 010	12.4
	1.5 m	kg					*14 440	*14 440	*17 110	11 790	13 520	9 300	10 800	7 460	8 780	6 020	8 370	5 720	12.4
	0 m	kg					*17 300	14 870	16 690	11 090	12 910	8 730	10 360	7 040	8 480	5 740	8 320	5 630	12.1
	-1.5 m	kg			*12 610	*12 610	*21 900	14 680	16 260	10 700	12 510	8 350	10 040	6 740			8 540	5 730	11.7
	-3.0 m	kg	*15 350	*15 350	*18 700	*18 700	23 000	14 680	16 080	10 530	12 300	8 160	9 880	6 590			9 110	6 080	11.1
	-4.5 m	kg	*20 240	*20 240	*24 720	24 310	*22 430	14 850	16 120	10 570	12 290	8 150					10 240	6 830	10.2
	-6.0 m	kg	*25 580	*25 580	*26 460	24 910	*20 990	15 230	16 390	10 820	12 520	8 360					12 470	8 330	9.0
	-7.5 m	kg			*23 110	*23 110	*18 500	15 920									*15 330	11 810	7.3
Boom : 9.4 m Arm : 3.9 m Shoe : 750 mm CWT : 13 000 kg Mechanical retractable Undercarriage	9.0 m	kg															*7 320	*7 320	10.5
	7.5 m	kg											*9 080	*9 080			*7 470	*7 470	11.3
	6.0 m	kg			*20 520	*20 520					*10 550	*10 550	*9 610	9 200			*7 770	7 300	11.8
	4.5 m	kg					*18 460	*18 460	*13 950	*13 950	*11 650	11 080	*10 300	8 660	*9 500	6 810	*8 250	6 580	12.2
	3.0 m	kg					*16 350	*16 350	*15 710	13 060	*12 780	10 200	*11 040	8 090	9 270	6 460	8 790	6 110	12.4
	1.5 m	kg					*14 440	*14 440	*17 110	11 980	13 730	9 450	10 970	7 580	8 920	6 120	8 500	5 820	12.4
	0 m	kg					*17 300	15 110	16 950	11 270	13 110	8 870	10 520	7 160	8 620	5 840	8 460	5 730	12.1
	-1.5 m	kg			*12 610	*12 610	*21 900	14 930	16 520	10 880	12 710	8 500	10 210	6 860			8 690	5 830	11.7
	-3.0 m	kg	*15 350	*15 350	*18 700	*18 700	*23 240	14 930	16 340	10 720	12 500	8 300	10 040	6 710			9 270	6 190	11.1
	-4.5 m	kg	*20 240	*20 240	*24 720	24 690	*22 430	15 100	16 380	10 750	12 490	8 290					10 410	6 950	10.2
	-6.0 m	kg	*25 580	*25 580	*26 460	25 290	*20 990	15 480	16 650	11 000	12 720	8 510					12 670	8 470	9.0
	-7.5 m	kg			*23 110	*23 110	*18 500	16 160									*15 330	12 000	7.3

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 EC500F High Reach with Extension Bent & Bent

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		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		Max. reach		Max.
			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	m
Boom : 9.4 m Arm : 3.35 m Shoe : 600 mm CWT : 13 000 kg Hydraulically variable Undercarriage	9.0 m	kg															*9 090	*9 090	10.0
	7.5 m	kg											*9 640	*9 640			*9 280	*9 280	10.8
	6.0 m	kg					*16 430	*16 430	*12 960	*12 960	*11 160	*11 160	*10 130	9 790			*9 670	8 390	11.4
	4.5 m	kg					*16 990	*16 990	*14 780	*14 780	*12 230	11 800	*10 780	9 290			*10 040	7 590	11.8
	3.0 m	kg							*16 480	13 940	*13 310	10 970	*11 470	8 760			*10 390	7 070	12.0
	1.5 m	kg							*17 730	12 980	*14 240	10 280	*12 120	8 290			10 580	6 790	11.9
	0 m	kg					*14 380	*14 380	*18 450	12 420	*14 920	9 780	12 470	7 920			10 600	6 730	11.7
	-1.5 m	kg					*21 730	16 780	*18 710	12 130	15 210	9 470	12 200	7 670			10 980	6 910	11.3
	-3.0 m	kg			*19 710	*19 710	*23 020	16 860	*18 560	12 050	15 070	9 340	12 100	7 580			11 850	7 420	10.7
	-4.5 m	kg	*22 760	*22 760	*27 300	*27 300	*22 020	17 100	*17 940	12 160	*14 840	9 400					13 530	8 460	9.7
	-6.0 m	kg			*25 090	*25 090	*20 300	17 550	*16 600	12 500							*14 600	10 570	8.5
	-7.5 m	kg			*21 260	*21 260	*17 230	*17 230									*15 830	*15 830	6.6
Boom : 9.4 m Arm : 3.35 m Shoe : 750 mm CWT : 13 000 kg Hydraulically variable Undercarriage	9.0 m	kg															*9 090	*9 090	10.0
	7.5 m	kg											*9 640	*9 640			*9 280	*9 280	10.8
	6.0 m	kg					*16 430	*16 430	*12 960	*12 960	*11 160	*11 160	*10 130	9 920			*9 670	8 500	11.4
	4.5 m	kg					*16 990	*16 990	*14 780	*14 780	*12 230	11 950	*10 780	9 410			*10 040	7 690	11.8
	3.0 m	kg							*16 480	14 130	*13 310	11 120	*11 470	8 890			*10 390	7 180	12.0
	1.5 m	kg							*17 730	13 170	*14 240	10 430	*12 120	8 410			10 730	6 900	11.9
	0 m	kg					*14 380	*14 380	*18 450	12 610	*14 920	9 930	*12 630	8 040			10 760	6 840	11.7
	-1.5 m	kg					*21 730	17 040	*18 710	12 320	*15 280	9 620	12 380	7 800			11 140	7 030	11.3
	-3.0 m	kg			*19 710	*19 710	*23 020	17 120	*18 560	12 240	15 290	9 490	12 280	7 700			12 020	7 540	10.7
	-4.5 m	kg	*22 760	*22 760	*27 300	*27 300	*22 020	17 360	*17 940	12 350	*14 840	9 550					*13 550	8 590	9.7
	-6.0 m	kg			*25 090	*25 090	*20 300	17 810	*16 600	12 680							*14 600	10 730	8.5
	-7.5 m	kg			*21 260	*21 260	*17 230	*17 230									*15 830	*15 830	6.6
Boom : 9.4 m Arm : 3.35 m Shoe : 900 mm CWT : 13 000 kg Hydraulically variable Undercarriage	9.0 m	kg															*9 090	*9 090	10.0
	7.5 m	kg											*9 640	*9 640			*9 280	*9 280	10.8
	6.0 m	kg					*16 430	*16 430	*12 960	*12 960	*11 160	*11 160	*10 130	10 040			*9 670	8 610	11.4
	4.5 m	kg					*16 990	*16 990	*14 780	*14 780	*12 230	12 100	*10 780	9 530			*10 040	7 800	11.8
	3.0 m	kg							*16 480	14 320	*13 310	11 270	*11 470	9 010			*10 390	7 280	12.0
	1.5 m	kg							*17 730	13 360	*14 240	10 580	*12 120	8 540			*10 820	7 000	11.9
	0 m	kg					*14 380	*14 380	*18 450	12 790	*14 920	10 080	*12 630	8 160			10 920	6 950	11.7
	-1.5 m	kg					*21 730	17 300	*18 710	12 510	*15 280	9 770	12 570	7 920			11 310	7 140	11.3
	-3.0 m	kg			*19 710	*19 710	*23 020	17 380	*18 560	12 430	*15 300	9 640	12 460	7 820			12 200	7 670	10.7
	-4.5 m	kg	*22 760	*22 760	*27 300	*27 300	*22 020	17 610	*17 940	12 540	*14 840	9 700					*13 550	8 730	9.7
	-6.0 m	kg			*25 090	*25 090	*20 300	18 070	*16 600	12 870							*14 600	10 890	8.5
	-7.5 m	kg			*21 260	*21 260	*17 230	*17 230									*15 830	*15 830	6.6

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 EC500F High Reach with Extension Bent & Bent

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		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		Max. reach		Max.
			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	m
Boom : 9.4 m Arm : 3.9 m Shoe : 600 mm CWT : 13 000 kg Hydraulically variable Undercarriage	9.0 m	kg															*7 320	*7 320	10.5
	7.5 m	kg											*9 080	*9 080			*7 470	*7 470	11.3
	6.0 m	kg			*20 520	*20 520					*10 550	*10 550	*9 610	*9 610			*7 770	*7 770	11.8
	4.5 m	kg					*18 460	*18 460	*13 950	*13 950	*11 650	*11 650	*10 300	9 430	*9 500	7 460	*8 250	7 220	12.2
	3.0 m	kg					*16 350	*16 350	*15 710	14 270	*12 780	11 140	*11 040	8 860	*9 960	7 110	*8 930	6 730	12.4
	1.5 m	kg					*14 440	*14 440	*17 110	13 170	*13 780	10 380	*11 730	8 340	*10 430	6 770	*9 910	6 450	12.4
	0 m	kg					*17 300	16 770	*18 020	12 470	*14 550	9 810	*12 310	7 920	10 240	6 490	10 050	6 360	12.1
	-1.5 m	kg			*12 610	*12 610	*21 900	16 590	*18 470	12 070	*15 030	9 430	12 160	7 620			10 350	6 490	11.7
	-3.0 m	kg	*15 350	*15 350	*18 700	*18 700	*23 240	16 580	*18 500	11 910	14 960	9 230	11 990	7 470			11 060	6 900	11.1
	-4.5 m	kg	*20 240	*20 240	*24 720	*24 720	*22 430	16 760	*18 080	11 940	*14 930	9 220					12 440	7 740	10.2
	-6.0 m	kg	*25 580	*25 580	*26 460	*26 460	*20 990	17 140	*17 060	12 190	*14 010	9 440					*13 960	9 400	9.0
	-7.5 m	kg			*23 110	*23 110	*18 500	17 830									*15 330	13 240	7.3
Boom : 9.4 m Arm : 3.9 m Shoe : 750 mm CWT : 13 000 kg Hydraulically variable Undercarriage	9.0 m	kg															*7 320	*7 320	10.5
	7.5 m	kg											*9 080	*9 080			*7 470	*7 470	11.3
	6.0 m	kg			*20 520	*20 520					*10 550	*10 550	*9 610	*9 610			*7 770	*7 770	11.8
	4.5 m	kg					*18 460	*18 460	*13 950	*13 950	*11 650	*11 650	*10 300	9 550	*9 500	7 560	*8 250	7 320	12.2
	3.0 m	kg					*16 350	*16 350	*15 710	14 450	*12 780	11 290	*11 040	8 980	*9 960	7 220	*8 930	6 830	12.4
	1.5 m	kg					*14 440	*14 440	*17 110	13 360	*13 780	10 530	*11 730	8 470	*10 430	6 880	*9 910	6 550	12.4
	0 m	kg					*17 300	17 030	*18 020	12 660	*14 550	9 960	*12 310	8 040	10 390	6 590	10 200	6 470	12.1
	-1.5 m	kg			*12 610	*12 610	*21 900	16 840	*18 470	12 260	*15 030	9 580	12 340	7 750			10 510	6 600	11.7
	-3.0 m	kg	*15 350	*15 350	*18 700	*18 700	*23 240	16 840	*18 500	12 100	15 180	9 380	12 180	7 590			11 230	7 020	11.1
	-4.5 m	kg	*20 240	*20 240	*24 720	*24 720	*22 430	17 020	*18 080	12 130	*14 930	9 370					12 630	7 870	10.2
	-6.0 m	kg	*25 580	*25 580	*26 460	*26 460	*20 990	17 400	*17 060	12 380	*14 010	9 590					*13 960	9 550	9.0
	-7.5 m	kg			*23 110	*23 110	*18 500	18 090									*15 330	13 440	7.3
Boom : 9.4 m Arm : 3.9 m Shoe : 900 mm CWT : 13 000 kg Hydraulically variable Undercarriage	9.0 m	kg															*7 320	*7 320	10.5
	7.5 m	kg											*9 080	*9 080			*7 470	*7 470	11.3
	6.0 m	kg			*20 520	*20 520					*10 550	*10 550	*9 610	*9 610			*7 770	*7 770	11.8
	4.5 m	kg					*18 460	*18 460	*13 950	*13 950	*11 650	*11 650	*10 300	9 670	*9 500	7 670	*8 250	7 430	12.2
	3.0 m	kg					*16 350	*16 350	*15 710	14 640	*12 780	11 440	*11 040	9 110	*9 960	7 320	*8 930	6 930	12.4
	1.5 m	kg					*14 440	*14 440	*17 110	13 550	*13 780	10 680	*11 730	8 590	*10 430	6 980	*9 910	6 650	12.4
	0 m	kg					*17 300	17 290	*18 020	12 850	*14 550	10 110	*12 310	8 170	10 540	6 700	10 350	6 570	12.1
	-1.5 m	kg			*12 610	*12 610	*21 900	17 100	*18 470	12 450	*15 030	9 730	12 520	7 870			10 670	6 710	11.7
	-3.0 m	kg	*15 350	*15 350	*18 700	*18 700	*23 240	17 100	*18 500	12 290	*15 190	9 530	12 360	7 720			11 400	7 130	11.1
	-4.5 m	kg	*20 240	*20 240	*24 720	*24 720	*22 430	17 270	*18 080	12 320	*14 930	9 520					12 810	8 000	10.2
	-6.0 m	kg	*25 580	*25 580	*26 460	*26 460	*20 990	17 660	*17 060	12 570	*14 010	9 740					*13 960	9 700	9.0
	-7.5 m	kg			*23 110	*23 110	*18 500	18 350									*15 330	13 630	7.3

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 EC500F High Reach with Extension Straight & Straight

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		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 10.8 m Arm : 3.35 m Shoe : 600 mm CWT : 13 000 kg Mechanical retractable Undercarriage	15.0 m	kg	*13 550	*13 550											*13 170	*13 170	6.1
	13.5 m	kg			*14 220	*14 220									*11 000	*11 000	8.6
	12.0 m	kg			*14 720	*14 720	*13 950	11 900							*10 010	9 090	10.2
	10.5 m	kg	*15 170	*15 170	*15 640	*15 640	*14 020	11 710	12 160	8 750					*9 470	7 180	11.5
	9.0 m	kg	*20 910	*20 910	*16 910	15 160	*14 320	11 190	11 920	8 520	9 290	6 520			8 640	6 010	12.4
	7.5 m	kg			*17 730	13 800	*14 730	10 450	11 480	8 100	9 110	6 340			7 670	5 240	13.1
	6.0 m	kg			17 890	12 200	13 830	9 590	10 940	7 600	8 810	6 060	7 130	4 800	7 020	4 720	13.6
	4.5 m	kg					12 940	8 770	10 400	7 080	8 480	5 750	6 980	4 660	6 610	4 380	13.9
	3.0 m	kg					12 250	8 120	9 930	6 640	8 180	5 460	6 810	4 500	6 370	4 180	14.1
	1.5 m	kg					11 820	7 720	9 580	6 310	7 940	5 230	6 680	4 360	6 300	4 100	14.0
	0 m	kg					11 630	7 540	9 370	6 120	7 780	5 080	6 600	4 300	6 380	4 150	13.9
	-1.5 m	kg			*12 470	9 990	11 610	7 530	9 310	6 050	7 740	5 040	6 640	4 330	6 640	4 330	13.5
	-3.0 m	kg			*10 620	10 180	*10 490	7 640	*9 350	6 120	*7 810	5 110			*6 340	4 680	13.0
	-4.5 m	kg					*8 330	7 880	*7 380	6 310							12.2
Boom : 10.8 m Arm : 3.35 m Shoe : 750 mm CWT : 13 000 kg Mechanical retractable Undercarriage	15.0 m	kg	*13 550	*13 550											*13 170	*13 170	6.1
	13.5 m	kg			*14 220	*14 220									*11 000	*11 000	8.6
	12.0 m	kg			*14 720	*14 720	*13 950	12 040							*10 010	9 210	10.2
	10.5 m	kg	*15 170	*15 170	*15 640	*15 640	*14 020	11 850	12 330	8 870					*9 470	7 280	11.5
	9.0 m	kg	*20 910	*20 910	*16 910	15 340	*14 320	11 340	12 080	8 640	9 430	6 620			8 780	6 110	12.4
	7.5 m	kg			*17 730	13 990	*14 730	10 600	11 640	8 220	9 250	6 450			7 790	5 330	13.1
	6.0 m	kg			18 150	12 380	14 030	9 740	11 110	7 720	8 950	6 160	7 250	4 890	7 140	4 810	13.6
	4.5 m	kg					13 140	8 910	10 560	7 200	8 620	5 850	7 100	4 750	6 720	4 460	13.9
	3.0 m	kg					12 450	8 260	10 090	6 760	8 320	5 560	6 930	4 590	6 490	4 260	14.1
	1.5 m	kg					12 020	7 860	9 740	6 430	8 070	5 330	6 800	4 450	6 410	4 190	14.0
	0 m	kg					11 830	7 690	9 540	6 240	7 920	5 180	6 730	4 390	6 490	4 230	13.9
	-1.5 m	kg			*12 470	10 170	11 810	7 670	9 470	6 180	7 880	5 140	6 760	4 420	6 760	4 420	13.5
	-3.0 m	kg			*10 620	10 360	*10 490	7 790	*9 350	6 240	*7 810	5 210			*6 340	4 770	13.0
	-4.5 m	kg					*8 330	8 020	*7 380	6 430							12.2
Boom : 10.8 m Arm : 3.9 m Shoe : 600 mm CWT : 13 000 kg Mechanical retractable Undercarriage	15.0 m	kg													*10 080	*10 080	7.2
	13.5 m	kg			*12 180	*12 180	*10 180	*10 180							*8 690	*8 690	9.4
	12.0 m	kg			*12 260	*12 260	*12 090	*12 090	*9 910	8 960					*7 990	*7 990	10.9
	10.5 m	kg	*12 240	*12 240	*12 850	*12 850	*12 940	11 970	*12 070	8 960	*8 190	6 700			*7 600	6 570	12.1
	9.0 m	kg	*16 720	*16 720	*15 600	15 560	*13 960	11 430	12 100	8 680	9 460	6 670			*7 390	5 550	13.0
	7.5 m	kg	*21 840	19 860	*17 260	14 230	*14 400	10 680	11 630	8 240	9 220	6 440	7 340	5 000	7 170	4 870	13.6
	6.0 m	kg			*18 080	12 670	14 060	9 800	11 060	7 700	8 880	6 120	7 200	4 870	6 590	4 390	14.1
	4.5 m	kg			*16 540	11 160	13 120	8 920	10 480	7 150	8 520	5 780	7 000	4 670	6 210	4 080	14.4
	3.0 m	kg					12 340	8 200	9 960	6 660	8 180	5 450	6 800	4 470	5 990	3 890	14.6
	1.5 m	kg					11 810	7 710	9 560	6 280	7 900	5 180	6 620	4 310	5 910	3 810	14.5
	0 m	kg			*10 090	9 600	11 530	7 440	9 300	6 040	7 710	5 000	6 510	4 200	5 970	3 840	14.4
	-1.5 m	kg			*13 740	9 670	11 450	7 360	9 180	5 930	7 620	4 920	6 480	4 180	6 180	3 980	14.0
	-3.0 m	kg			*11 800	9 840	*11 100	7 430	9 200	5 950	7 640	4 940	*6 280	4 280	*6 260	4 270	13.5
	-4.5 m	kg					*9 100	7 620	*8 030	6 090	*6 500	5 100					12.8
Boom : 10.8 m Arm : 3.9 m Shoe : 750 mm CWT : 13 000 kg Mechanical retractable Undercarriage	15.0 m	kg													*10 080	*10 080	7.2
	13.5 m	kg			*12 180	*12 180	*10 180	*10 180							*8 690	*8 690	9.4
	12.0 m	kg			*12 260	*12 260	*12 090	*12 090	*9 910	9 080					*7 990	*7 990	10.9
	10.5 m	kg	*12 240	*12 240	*12 850	*12 850	*12 940	12 120	*12 070	9 080	*8 190	6 800			*7 600	6 680	12.1
	9.0 m	kg	*16 720	*16 720	*15 600	*15 600	*13 960	11 580	*12 200	8 800	9 600	6 770			*7 390	5 650	13.0
	7.5 m	kg	*21 840	20 110	*17 260	14 420	*14 400	10 820	11 790	8 360	9 360	6 540	7 460	5 090	7 290	4 950	13.6
	6.0 m	kg			*18 080	12 850	14 260	9 940	11 230	7 820	9 020	6 230	7 320	4 950	6 710	4 480	14.1
	4.5 m	kg			*16 540	11 340	13 320	9 070	10 640	7 270	8 660	5 880	7 120	4 760	6 320	4 160	14.4
	3.0 m	kg					12 540	8 340	10 120	6 780	8 320	5 550	6 920	4 560	6 100	3 970	14.6
	1.5 m	kg					12 010	7 850	9 720	6 400	8 040	5 290	6 740	4 400	6 020	3 890	14.5
	0 m	kg			*10 090	9 790	11 730	7 590	9 460	6 160	7 850	5 100	6 630	4 290	6 080	3 920	14.4
	-1.5 m	kg			*13 740	9 850	11 650	7 510	9 350	6 050	7 760	5 020	6 600	4 270	6 300	4 070	14.0
	-3.0 m	kg			*11 800	10 030	*11 100	7 570	9 360	6 070	7 780	5 040	*6 280	4 370	*6 260	4 360	13.5
	-4.5 m	kg					*9 100	7 770	*8 030	6 210	*6 500	5 200					12.8

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 EC500F High Reach with Extension Straight & Straight

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		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 10.8 m Arm : 3.35 m Shoe : 600 mm CWT : 13 000 kg Hydraulically variable Undercarriage	15.0 m	kg	*13 550	*13 550											*13 170	*13 170	6.1
	13.5 m	kg			*14 220	*14 220									*11 000	*11 000	8.6
	12.0 m	kg			*14 720	*14 720	*13 950	12 990							*10 010	10 000	10.2
	10.5 m	kg	*15 170	*15 170	*15 640	*15 640	*14 020	12 800	*12 400	9 640					*9 470	7 970	11.5
	9.0 m	kg	*20 910	*20 910	*16 910	16 560	*14 320	12 280	*12 490	9 410	11 060	7 270			*9 200	6 730	12.4
	7.5 m	kg			*17 730	15 200	*14 730	11 540	*12 670	8 990	10 880	7 090			*9 090	5 910	13.1
	6.0 m	kg			*18 490	13 580	*15 130	10 670	*12 860	8 480	10 580	6 810	8 630	5 450	8 500	5 360	13.6
	4.5 m	kg					*15 330	9 840	12 520	7 970	10 240	6 490	8 480	5 300	8 040	5 000	13.9
	3.0 m	kg					14 900	9 190	12 040	7 520	9 930	6 200	8 300	5 140	7 780	4 790	14.1
	1.5 m	kg					14 460	8 790	11 680	7 190	9 680	5 970	8 170	5 010	7 710	4 720	14.0
	0 m	kg					*13 550	8 610	11 470	6 990	9 530	5 830	8 090	4 940	7 820	4 770	13.9
	-1.5 m	kg			*12 460	11 350	*12 200	8 600	*10 780	6 930	*9 200	5 780	*7 220	4 980	*7 210	4 970	13.5
	-3.0 m	kg			*10 620	*10 620	*10 490	8 710	*9 350	7 000	*7 810	5 850			*6 340	5 350	13.0
	-4.5 m	kg					*8 330	*8 330	*7 380	7 190							12.2
Boom : 10.8 m Arm : 3.35 m Shoe : 750 mm CWT : 13 000 kg Hydraulically variable Undercarriage	15.0 m	kg	*13 550	*13 550											*13 170	*13 170	6.1
	13.5 m	kg			*14 220	*14 220									*11 000	*11 000	8.6
	12.0 m	kg			*14 720	*14 720	*13 950	13 140							*10 010	*10 010	10.2
	10.5 m	kg	*15 170	*15 170	*15 640	*15 640	*14 020	12 950	*12 400	9 760					*9 470	8 080	11.5
	9.0 m	kg	*20 910	*20 910	*16 910	16 750	*14 320	12 430	*12 490	9 530	*11 110	7 370			*9 200	6 830	12.4
	7.5 m	kg			*17 730	15 390	*14 730	11 690	*12 670	9 110	11 030	7 200			*9 090	6 000	13.1
	6.0 m	kg			*18 490	13 770	*15 130	10 820	*12 860	8 610	10 730	6 920	8 760	5 540	8 630	5 450	13.6
	4.5 m	kg					*15 330	9 990	12 700	8 090	10 390	6 600	8 610	5 400	8 170	5 090	13.9
	3.0 m	kg					15 130	9 340	12 220	7 640	10 080	6 310	8 440	5 240	7 910	4 880	14.1
	1.5 m	kg					*14 560	8 940	11 860	7 310	9 830	6 080	8 300	5 100	7 840	4 810	14.0
	0 m	kg					*13 550	8 760	11 660	7 120	9 680	5 930	8 230	5 040	*7 860	4 860	13.9
	-1.5 m	kg			*12 460	11 540	*12 200	8 750	*10 780	7 060	*9 200	5 890	*7 220	5 070	*7 210	5 070	13.5
	-3.0 m	kg			*10 620	*10 620	*10 490	8 860	*9 350	7 120	*7 810	5 960			*6 340	5 450	13.0
	-4.5 m	kg					*8 330	*8 330	*7 380	7 310							12.2
Boom : 10.8 m Arm : 3.35 m Shoe : 900 mm CWT : 13 000 kg Hydraulically variable Undercarriage	15.0 m	kg	*13 550	*13 550											*13 170	*13 170	6.1
	13.5 m	kg			*14 220	*14 220									*11 000	*11 000	8.6
	12.0 m	kg			*14 720	*14 720	*13 950	13 290							*10 010	*10 010	10.2
	10.5 m	kg	*15 170	*15 170	*15 640	*15 640	*14 020	13 100	*12 400	9 880					*9 470	8 190	11.5
	9.0 m	kg	*20 910	*20 910	*16 910	*16 910	*14 320	12 580	*12 490	9 650	*11 110	7 480			*9 200	6 930	12.4
	7.5 m	kg			*17 730	15 580	*14 730	11 840	*12 670	9 240	*11 140	7 310			*9 090	6 100	13.1
	6.0 m	kg			*18 490	13 960	*15 130	10 970	*12 860	8 730	10 880	7 020	8 890	5 630	8 770	5 540	13.6
	4.5 m	kg					*15 330	10 140	12 880	8 210	10 540	6 710	8 740	5 490	8 300	5 180	13.9
	3.0 m	kg					*15 170	9 490	12 400	7 770	10 230	6 410	8 570	5 330	8 040	4 970	14.1
	1.5 m	kg					*14 560	9 090	12 050	7 440	9 990	6 180	8 430	5 200	7 960	4 900	14.0
	0 m	kg					*13 550	8 910	*11 810	7 240	9 830	6 040	8 360	5 130	*7 860	4 950	13.9
	-1.5 m	kg			*12 460	11 730	*12 200	8 900	*10 780	7 180	*9 200	5 990	*7 220	5 160	*7 210	5 160	13.5
	-3.0 m	kg			*10 620	*10 620	*10 490	9 010	*9 350	7 240	*7 810	6 070			*6 340	5 550	13.0
	-4.5 m	kg					*8 330	*8 330	*7 380	*7 380							12.2

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 EC500F High Reach with Extension Straight & Straight

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		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		Max. reach		Max.
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	m
Boom : 10.8 m Arm : 3.9 m Shoe : 600 mm CWT : 13 000 kg Hydraulically variable Undercarriage	15.0 m	kg													*10 080	*10 080	7.2
	13.5 m	kg			*12 180	*12 180	*10 180	*10 180							*8 690	*8 690	9.4
	12.0 m	kg			*12 260	*12 260	*12 090	*12 090	*9 910	9 850					*7 990	*7 990	10.9
	10.5 m	kg	*12 240	*12 240	*12 850	*12 850	*12 940	*12 940	*12 070	9 850	*8 190	7 450			*7 600	7 320	12.1
	9.0 m	kg	*16 720	*16 720	*15 600	*15 600	*13 960	12 530	*12 200	9 570	*10 870	7 420			*7 390	6 240	13.0
	7.5 m	kg	*21 840	21 820	*17 260	15 630	*14 400	11 760	*12 420	9 130	*10 940	7 190	*8 440	5 650	*7 320	5 510	13.6
	6.0 m	kg			*18 080	14 050	*14 840	10 880	*12 640	8 590	10 650	6 870	8 700	5 510	*7 350	5 010	14.1
	4.5 m	kg			*16 540	12 540	*15 140	10 000	12 610	8 040	10 280	6 520	8 500	5 320	*7 470	4 680	14.4
	3.0 m	kg					15 000	9 270	12 080	7 540	9 930	6 200	8 290	5 120	7 340	4 480	14.6
	1.5 m	kg					14 460	8 780	11 670	7 160	9 650	5 930	8 110	4 960	7 260	4 400	14.5
	0 m	kg			*10 090	*10 090	*13 870	8 510	11 400	6 920	9 450	5 750	8 000	4 850	7 340	4 440	14.4
	-1.5 m	kg			*13 740	11 040	*12 670	8 430	*11 050	6 810	9 360	5 660	*7 770	4 820	*7 000	4 600	14.0
	-3.0 m	kg			*11 800	11 210	*11 100	8 500	*9 780	6 820	*8 270	5 690	*6 280	4 930	*6 260	4 920	13.5
	-4.5 m	kg					*9 100	8 690	*8 030	6 970	*6 500	5 850					12.8
Boom : 10.8 m Arm : 3.9 m Shoe : 750 mm CWT : 13 000 kg Hydraulically variable Undercarriage	15.0 m	kg													*10 080	*10 080	7.2
	13.5 m	kg			*12 180	*12 180	*10 180	*10 180							*8 690	*8 690	9.4
	12.0 m	kg			*12 260	*12 260	*12 090	*12 090	*9 910	*9 910					*7 990	*7 990	10.9
	10.5 m	kg	*12 240	*12 240	*12 850	*12 850	*12 940	*12 940	*12 070	9 980	*8 190	7 550			*7 600	7 420	12.1
	9.0 m	kg	*16 720	*16 720	*15 600	*15 600	*13 960	12 680	*12 200	9 700	*10 870	7 530			*7 390	6 330	13.0
	7.5 m	kg	*21 840	*21 840	*17 260	15 820	*14 400	11 910	*12 420	9 250	*10 940	7 300	*8 440	5 740	*7 320	5 600	13.6
	6.0 m	kg			*18 080	14 240	*14 840	11 030	*12 640	8 710	10 800	6 980	8 840	5 610	*7 350	5 100	14.1
	4.5 m	kg			*16 540	12 720	*15 140	10 150	12 790	8 160	10 430	6 630	8 630	5 410	*7 470	4 760	14.4
	3.0 m	kg					*15 120	9 420	12 260	7 670	10 080	6 300	8 420	5 220	7 460	4 560	14.6
	1.5 m	kg					14 680	8 930	11 850	7 290	9 800	6 040	8 250	5 050	7 380	4 490	14.5
	0 m	kg			*10 090	*10 090	*13 870	8 660	11 580	7 040	9 600	5 850	8 130	4 940	7 460	4 520	14.4
	-1.5 m	kg			*13 740	11 230	*12 670	8 580	*11 050	6 930	*9 450	5 770	*7 770	4 920	*7 000	4 690	14.0
	-3.0 m	kg			*11 800	11 400	*11 100	8 650	*9 780	6 950	*8 270	5 790	*6 280	5 020	*6 260	5 010	13.5
	-4.5 m	kg					*9 100	8 840	*8 030	7 100	*6 500	5 950					12.8
Boom : 10.8 m Arm : 3.9 m Shoe : 900 mm CWT : 13 000 kg Hydraulically variable Undercarriage	15.0 m	kg													*10 080	*10 080	7.2
	13.5 m	kg			*12 180	*12 180	*10 180	*10 180							*8 690	*8 690	9.4
	12.0 m	kg			*12 260	*12 260	*12 090	*12 090	*9 910	*9 910					*7 990	*7 990	10.9
	10.5 m	kg	*12 240	*12 240	*12 850	*12 850	*12 940	*12 940	*12 070	10 100	*8 190	7 660			*7 600	7 530	12.1
	9.0 m	kg	*16 720	*16 720	*15 600	*15 600	*13 960	12 830	*12 200	9 820	*10 870	7 630			*7 390	6 430	13.0
	7.5 m	kg	*21 840	*21 840	*17 260	16 010	*14 400	12 060	*12 420	9 370	*10 940	7 400	*8 440	5 830	*7 320	5 690	13.6
	6.0 m	kg			*18 080	14 430	*14 840	11 180	*12 640	8 840	10 960	7 080	8 970	5 700	*7 350	5 180	14.1
	4.5 m	kg			*16 540	12 910	*15 140	10 300	*12 790	8 290	10 590	6 740	8 760	5 510	*7 470	4 850	14.4
	3.0 m	kg					*15 120	9 570	12 440	7 790	10 240	6 410	8 550	5 310	7 580	4 650	14.6
	1.5 m	kg					*14 700	9 080	12 030	7 410	9 950	6 140	8 380	5 140	7 500	4 570	14.5
	0 m	kg			*10 090	*10 090	*13 870	8 810	11 760	7 170	9 760	5 960	8 260	5 030	*7 560	4 610	14.4
	-1.5 m	kg			*13 740	11 420	*12 670	8 730	*11 050	7 060	*9 450	5 870	*7 770	5 010	*7 000	4 780	14.0
	-3.0 m	kg			*11 800	11 590	*11 100	8 800	*9 780	7 070	*8 270	5 900	*6 280	5 110	*6 260	5 110	13.5
	-4.5 m	kg					*9 100	8 990	*8 030	7 220	*6 500	6 060					12.8

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.

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