



Volvo Construction Equipment

EC480E

VOLVO EXCAVATORS 45.5-53.3 t / 100,310-117,510 lb 378 hp



E is for efficiency.

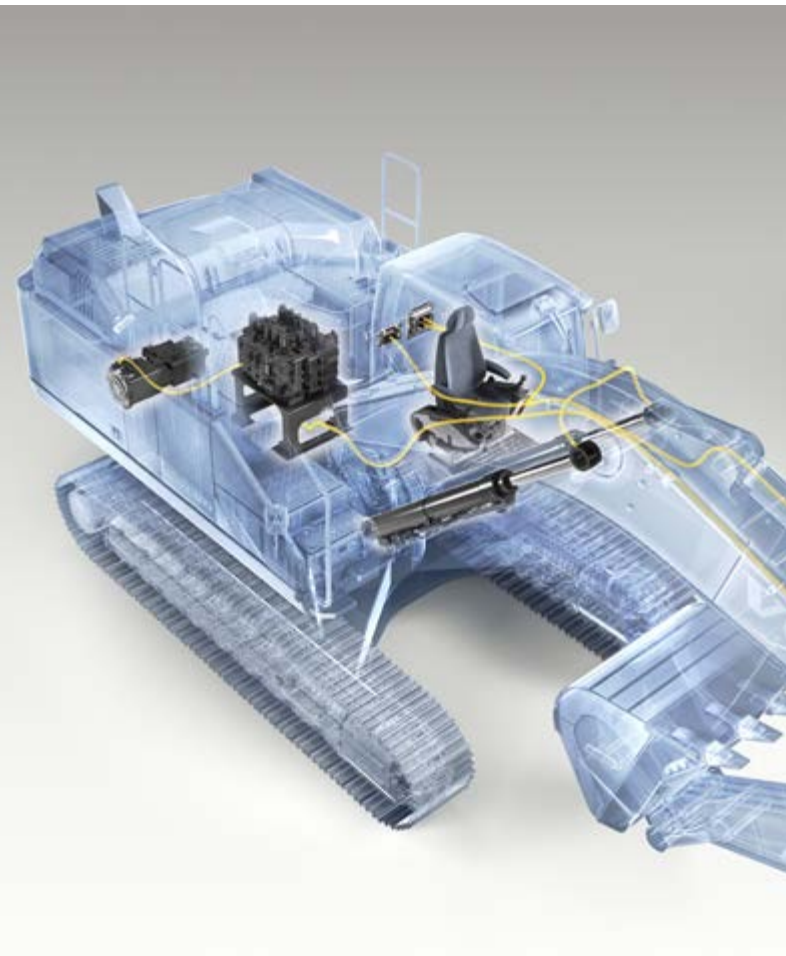
Introducing the EC480E crawler excavator from Volvo – a powerful and efficient production machine designed to reduce fuel consumption and increase productivity. With advanced technology including Volvo's unique ECO mode and a new electro-hydraulic control system, the EC480E delivers fuel efficiency improvement.

Advanced hydraulics

The new electro-hydraulic system uses intelligent technology to control on-demand flow and reduce internal losses in the hydraulic circuit. This increases controllability, shortens cycle times and improves fuel efficiency – resulting in higher productivity and performance.

Work modes

Volvo's unique, integrated work mode system now includes the G4 mode for optimum fuel efficiency and machine performance. Operators can choose the best work mode for the task at hand – select from I (Idle), F (Fine), G (General) and H (Heavy).



Automatic idling system

Engine speed is reduced to idle when the controls are inactive for a pre-set amount of time (between 3 and 20 seconds). This reduces fuel consumption and noise.

Auto engine shut down

To reduce fuel consumption, the engine will automatically switch off when the machine is inactive for a pre-set amount of time (five minutes is the default setting).

Fuel consumption display

A gauge bar on the monitor measures both instantaneous fuel consumption and average fuel consumption. This allows machine owners and operators to monitor fuel usage on different job sites.



ECO mode

Volvo's unique ECO mode optimizes the hydraulic system to reduce flow and pressure losses – resulting in improved fuel efficiency without any loss of performance in most operating conditions. ECO mode is automatically selected but can be switched off via the keypad.



Human Machine Interface (HMI)

All machine interfaces – including the joysticks, keypad and LCD monitor – are ergonomically positioned and designed for optimum control and efficiency. For operator convenience and ease of use, the number of switches has been significantly reduced.

Productivity at your fingertips.

The EC480E has been expertly designed with both the machine owner and operator in mind. With ideally placed controls and switches and a user-friendly LCD monitor and keypad, the task at hand becomes easier and operators will work with increased efficiency – resulting in more productivity.

Keypad

The optimally positioned keypad allows the operator to easily navigate through the LCD monitor and activate machine functions in a safe and comfortable way. The functionality of the camera, air conditioning and lights can be customized via the hot key – enabling the operator to select and save desired configurations.

LCD monitor

The new, color, eight inch LCD monitor displays machine status information including fuel consumption data and service interval alerts – enabling increased uptime and high productivity. The user-friendly design is easy to read in any light conditions.



Shortcut switch

The windshield wipers, camera, audio mute function can be assigned to a shortcut switch located on the joystick. This allows the operator to easily control the selected function by simply pressing a switch.

Seat belt warning alarm

If the seat belt is not fastened when the ignition key is turned, a sensor triggers an alarm which sounds for three seconds.

Bluetooth®

For added convenience, operators can now connect a Bluetooth device to the machine.

The source of productivity.

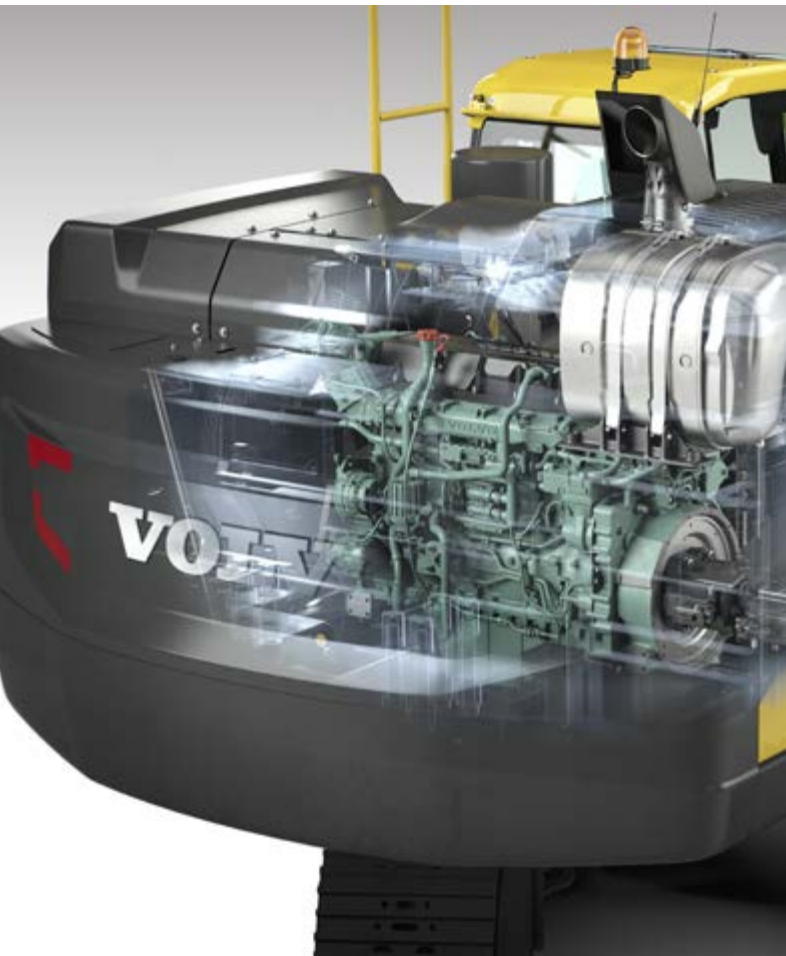
Volvo puts customer needs at the heart of its design process. That's why the EC480E not only increases productivity but also improves fuel efficiency and meets the latest Stage IV/Tier 4 Final engine emission legislation. Capitalize on high torque at low rpm and experience superior performance and reduced fuel consumption.

Volvo After Treatment System

During the fully automatic regeneration process, particulate matter in the Diesel Particulate Filter is burnt off without interrupting operation, performance or productivity. Volvo uses Selective Catalytic Reduction

Diesel-driven heater

The optional diesel-driven coolant heater helps to start the engine in low temperatures while simultaneously heating the cab. The heater can be set in advance to engage at a specific date and time.



technology where AdBlue®/Diesel Exhaust Fluid is heated to produce ammonia. This causes a chemical reaction which converts NOx to nitrogen and CO₂ – both of which are naturally found in the air. Neither process interrupts machine operation, performance or productivity.

® = registered trademark of the Verband der Automobilindustrie e.V. (VDA)

Cooling fan

The hydraulically-driven, electronically controlled cooling fan regulates the temperature of the vital components. It reduces fuel consumption and noise. The optional reversible functionality – which blows air in the opposite direction – enables self-cleaning of the cooling units.



Volvo engine

Featuring proven, advanced technology and built on decades of experience, Volvo's robust D13 Stage IV/Tier 4 Final engine boasts more power while reducing both fuel consumption and emissions and delivering superior quality, reliability and durability.



Reinforced undercarriage

With a strong three-piece undercarriage and a high strength tensile steel X-shaped frame, Volvo excavators are built to withstand tough conditions. For superior durability, the undercarriage components are reinforced – ensuring long life and high uptime.

Reinforced quality.

If you're looking for a strong and reliable excavator to handle tough conditions then look no further than the EC480E. Whether you're working on a quarry, in mass excavation or any other application, this robust, heavy-duty production machine has the quality and durability you need to work on demanding job sites.

Superstructure undercover

The heavy-duty superstructure undercover plates increase durability by providing additional protection to the underside of the machine in tough applications – preventing damage from rock and debris.

Doors and hinges

Volvo's durable design features a rigid side door with a robust handle and hinges for superior durability.



Robust design

The reinforced idler frame, track links and bottom rollers are built to withstand tough conditions for improved durability and reliability in demanding applications.

Upping your uptime.

Maintaining and servicing construction equipment is essential in order to sustain maximum performance and productivity – but this shouldn't be a complicated or time consuming task. With large, wide opening compartment doors and grouped service points, Volvo makes maintenance easy. Increase your uptime with Volvo.

Service access

Grouped filters are quick and easy to access from ground level. To facilitate fast servicing, grouped greasing points are easily accessed with the machine in one position.



Storage space

A large storage compartment provides a safe and convenient location for items including a toolbox and grease can.

Anti-slip plates

Punched anti-slip plates provide superior grip and increased safety. The design facilitates easy cleaning.



Handrails

Handrails and full size guardrails provide safe and easy access to the cab and superstructure.



Single module cooler

The radiator, charged air cooler and hydraulic oil cooler are situated side-by-side on a single layer to maximize efficiency, reduce blockages and aid cleaning. The system is easily accessed from ground level by simply opening the side door.



Attachments

Volvo's durable attachments have been purpose-built to work in perfect harmony with Volvo machines, forming one solid, reliable unit. With functions and properties ideally matched, Volvo attachments are an integrated part of the excavator for which they're intended – delivering maximum productivity.

The perfect match.

Maximize your productivity and profitability with the EC480E and Volvo's durable range of attachments. Increase your versatility, access more applications and effectively perform a variety of tasks – all while experiencing faster cycle times and excellent control. Get the most out of your excavator with Volvo.

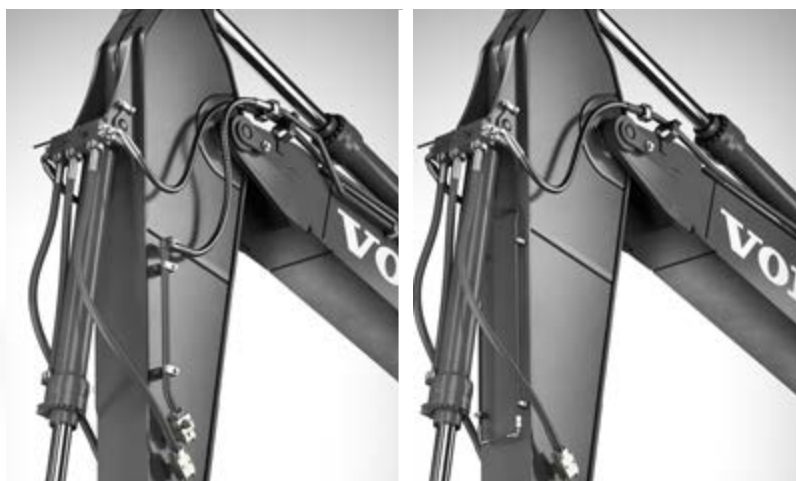
Bucket range

Volvo's general purpose buckets are the perfect tool for digging and re-handling in soft to medium conditions. Heavy-duty buckets are intended for productive digging in compact materials. Both provide maximum productivity and long life.



Optional auxiliary hydraulics

Factory fitted breaker and shear piping (X1) as well as tilt and rotator piping (X3) increase versatility by enabling a wide range of additional attachments to be used.



S-type quick coupler

The Volvo S-type quick coupler is designed to work with Volvo attachments – delivering ultimate compatibility and unrivalled performance.

Genuine Volvo wear parts

Volvo offers a selection of economic, replaceable wear parts including high quality teeth, segments, side cutters, adapters and shrouds to protect the bucket and ensure long life.

Universal quick coupler

The Volvo universal quick coupler offers maximum versatility. It picks up a variety of attachments from various manufacturers and meets new safety regulations.

Do more.

Safe access

Punched anti-slip plates, handrails and full size guardrails provide safe and easy access to the machine.



HMI

All machine interfaces are ergonomically positioned and designed for optimum control and efficiency.

Advanced hydraulics

New electro-hydraulic system and main control valve use intelligent technology to control on-demand flow for high performance and efficiency.

Quick coupler

The Volvo quick coupler offers maximum versatility, picking up a wide variety of attachments.



Attachments

Volvo's durable attachments have been purpose-built to deliver maximum productivity and long service life in combination with Volvo machines.



Reinforced undercarriage

The undercarriage components are reinforced to ensure long life, high uptime and ultimate durability in tough conditions.

Volvo After Treatment System

The automatic regeneration process takes place without interrupting machine operation, performance or productivity.



Diesel Exhaust Fluid (DEF)

Volvo offers a total DEF solution that is quality assured, cost efficient and easily accessible. Contact your Volvo dealer for more information.

LCD monitor

The new, eight inch LCD monitor clearly displays machine status information for easy operation and increased productivity.



ECO mode

Volvo's unique ECO mode improves fuel efficiency without any loss of performance in most operating conditions.

Service access

Grouped filters are quick and easy to access from ground level via large, wide compartment doors.



Volvo engine

Volvo's D13 Stage IV/Tier 4 Final engine boasts more power while reducing both fuel consumption and emissions and delivering superior quality, reliability and durability.



Single module cooler

The radiator, charged air cooler and hydraulic oil cooler are situated side-by-side on a single layer to maximize efficiency, reduce blockages and aid cleaning.

Adding value to your business.

Being a Volvo customer means having a complete set of services at your fingertips. Volvo can offer you a long-term partnership, protect your revenue and provide a full range of customer solutions using high quality parts, delivered by passionate people. Volvo is committed to the positive return of your investment.



Complete Solutions

Volvo has the right solution for you. So why not let us provide all your needs throughout the whole life cycle of your

machine? By listening to your requirements, we can reduce your total cost of ownership and increase your revenue.



Genuine Volvo Parts

Our attention to detail is what makes us stand out. This proven concept acts as a solid investment in your machine's future. Parts are extensively tested and approved because every part is vital for uptime and performance. Only by using Genuine Volvo Parts, can you be sure that your machine retains the renowned Volvo quality.



Service Network

In order to respond to your needs faster, a Volvo expert is on their way to your job site from one of our Volvo facilities. With our extensive infrastructure of technicians, workshops and dealers, Volvo has a comprehensive network to fully support you using local knowledge and global experience.

The power of CareTrack.

CareTrack is the Volvo Construction Equipment telematics system that gives you access to a wide range of machine monitoring information designed to save you time and money. With CareTrack you can reduce fuel costs, optimize machine and operator performance and pro-actively manage service and maintenance to maximize uptime. Stay connected to your machines via remote monitoring and experience new levels of control and efficiency with CareTrack.

Save time

Pro-actively manage your machines and increase your uptime by planning service and maintenance requirements in advance with CareTrack. The system strengthens the relationship between dealer and customer, helping you to maximize machine availability and avoid potential problems. Through CareTrack it's possible for your local Volvo dealer to troubleshoot faults remotely – minimizing service time.



Save money

Keeping track of your machines with CareTrack allows you to optimize productivity and save money. Through operational reports you can identify excessive idle time – information that gives you the power to reduce fuel consumption, non-productive machine hours and service costs.



"CareTrack really helps us with our downtime. It alerts us via email directly to critical personnel's phones so they can respond immediately. A lot of times we will know of those alerts even before the operator does."

Don Morgan, Vice President

Morgan Contractors Inc., Clarkesville, Tennessee, U.S.A.



Infinite opportunities

CareTrack presents infinite opportunities to help you get the most out of your machine. From fuel consumption data to location and machine usage reports, the system gives you access to a wealth of information – allowing you to take actions that will have a noticeable impact on your business. Begin by making a few simple changes and then discover specific functionalities to unlock further savings.

Volvo EC480E in detail.

Engine

The latest generation, Volvo engine Tier 4f (Stage IV) emissions compliant diesel engine fully meets the demands of the latest, emissions regulations. Featuring Volvo Advanced Combustion Technology (V-ACT), it is designed to deliver superior performance and fuel efficiency. The engine uses precise, high-pressure fuel injectors, turbo charger and air-to-air intercooler, and electronic engine controls to optimize machine performance.

Air Filter: 3-stage with pre-cleaner.

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.

Engine Tier 4f (Stage IV)		Volvo	D13J	
Max power at	r/s / r/min		30 / 1,800	
Net, ISO 9249/SAE J1349	kW / hp		277 / 371	
Gross, ISO 14396/SAE J1995	kW / hp		278 / 372	
Max torque at	Nm / r/min	lb.ft	1 890 / 1 350	1,394
No. of cylinders			6	
Displacement	l cu.in		12.8	781
Bore	mm	in	131	5.16
Stroke	mm	in	158	6.22

Electrical system

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

Voltage	V	24	
Batteries	V	2 x 12	
Battery capacity	Ah	200	
Alternator	V / Ah	28 / 80	

Swing system

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

Max. slew speed	r/min	9.3	
Max. slew torque	kNm lbf.ft	166.3	122,660

Drive

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

Max. drawbar pull	kN	lb	333.4	74,970
Max. travel speed	km/h	mph	3.2/5.2	2.0/3.2
Gradeability		°	35	

Undercarriage

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

Track pads			2 x 52	
Link pitch	mm	in	215.9	8.5
Shoe width, triple grouser	mm	in	600/	24/
			600HD*/	24/
			700/	28/
			800/900	32/36
Shoe width, double grouser	mm	in	600	24
Bottom rollers			2 x 9	
Top rollers			2 x 2	
Top rollers (retractable)			2 x 3	

* Not HD shoe but HD track link

Sound Level

Sound level in cab according to ISO 6396

LpA	dB(A)	71
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External sound level according to ISO 6395 and EU Noise

Directive (2000/14/EC) and 474-1:2006 +A1:2009

LwA	dB(A)	106
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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 a single function to ensure quick cycle times and high productivity.

Boom priority: Gives priority to the boom operation for faster raising when loading or performing deep excavations.

Arm priority: Gives priority to the arm operation for faster cycle times in leveling and for increased bucket filling when digging.

Swing priority: Gives priority to swing functions for faster simultaneous operations.

Regeneration system: Prevents cavitation and provides flow to other movements during simultaneous operations for maximum productivity.

Power boost: All digging and lifting forces are increased.

Holding valves: Boom and arm holding valves prevent the digging equipment from creeping.

Main pump, Type 2 x variable displacement axial piston pumps				
Maximum flow	l/min	gpm	2 x 376	2 x 99
Pilot pump, Type Gear pump				
Maximum flow	l/min	gpm	32	8.5

Hydraulic motors

Travel: Variable displacement axial piston motor with mechanical brake.

Slew: Fixed displacement axial piston motor with mechanical brake

Relief valve setting				
Implement	MPa	psi	32.4/35.3	4,690/5,120
Travel circuit	MPa	psi	32.4	4,699
Slew circuit	MPa	psi	25.8	3,740
Pilot circuit	MPa	psi	3.9	570

Hydraulic cylinders

Mono boom				2
Bore x Stroke	ø x mm	ø x in	165 x 1 590	6.5 x 62.6
Arm				1
Bore x Stroke	ø x mm	ø x in	190 x 1 850	7.5 x 72.8
Bucket				1
Bore x Stroke	ø x mm	ø x in	165 x 1 335	6.5 x 52.6
ME Bucket				1
Bore x Stroke	ø x mm	ø x in	175 x 1 335	6.9 x 52.6

Service refill capacities

Fuel tank	l	gal	680	180
DEF tank	l	gal	62.5	16.5
Hydraulic system, total	l	gal	525	139
Hydraulic tank	l	gal	270	71
Engine oil	l	gal	42	11
Engine coolant	l	gal	60	16
Slew reduction unit	l	gal	2 x 6	2 x 1.6
Travel reduction unit	l	gal	2 x 7.5	2 x 2.0

Cab

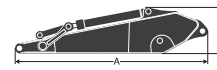
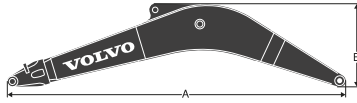
The operator's cab has easy access via a wide door opening. The cab is supported on hydraulic dampening mounts to reduce shock and vibration levels. These along with sound absorbing lining provide low noise levels. The cab has excellent all-round visibility. The front windshield can easily slide up into the ceiling, and the lower front glass can be removed and stored in the side door. Integrated air-conditioning and heating system:

The pressurized and filtered cab air is supplied by an automatically-controlled fan. The air is distributed throughout the cab from 14 vents. Ergonomic operator's seat: The adjustable seat and joystick console move independently to accommodate the operator. The seat has nine different adjustments plus a seat belt for the operator's comfort and safety.

Dimensions.

Boom

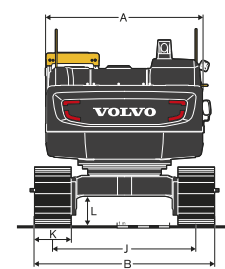
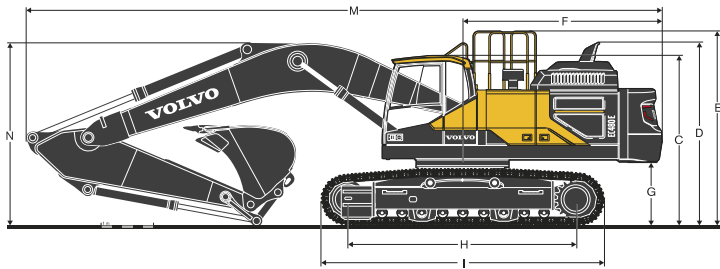
Arm



Description	Unit	6.5 ME 21' 4"	7.0 23' 0"	9.0 30' 0"	Description	Unit	2.55 ME 8' 4"	3.35 11' 0"	3.9 12' 10"	4.8 15' 9"	6.0 19' 8"
Boom	m in	6.5 21' 4"	7.0 23' 0"	9.0 30' 0"	Arm	m in	2.55 8' 4"	3.35 11' 0"	3.9 12' 10"	4.8 15' 9"	6.0 19' 8"
A	mm in	6 750 22' 2"	7 250 23' 9"	9 270 30' 5"	A	mm in	3 770 12' 4"	4 590 15' 1"	5 140 16' 10"	6 100 20' 0"	7 200 23' 7"
B	mm in	2 000 6' 7"	1 840 6' 0"	1 950 6' 5"	B	mm in	1 235 4' 1"	1 235 4' 1"	1 240 4' 1"	1 250 4' 1"	1 180 3' 10"
Width	mm in	960 3' 2"	960 3' 2"	960 3' 2"	Width	mm in	600 2' 0"	600 2' 0"	600 2' 0"	600 2' 0"	560 1' 10"
Weight	kg lb	4 370 9,630	4 400 9,710	4 725 10,420	Weight	kg lb	2 415 5,330	2 640 5,820	2 665 5,870	2 940 6,480	2 830 6,230

* Includes arm cylinder, piping and pin

* Includes bucket cylinder, linkage and pin



Description	Unit	EC480E fixed undercarriage									
Boom	m, ft in	6.5 ME, 21' 4"	7.0, 23' 0"								9.0, 30' 0"
Arm	m, ft in	2.55 8' 4"	2.55 8' 4"	3.35 11' 0"	3.9 12' 10"	4.8 15' 9"	6.0 19' 8"				
A. Overall width of upper structure	mm ft in	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"
B. Overall width (retracted)	mm ft in	-	-	-	-	-	-	-	-	-	-
C. Overall height of cab	mm ft in	3 640 11' 11"	3 640 11' 11"	3 640 11' 11"	3 640 11' 11"	3 640 11' 11"	3 640 11' 11"	3 640 11' 11"	3 640 11' 11"	3 640 11' 11"	3 640 11' 11"
D. Overall height of diffuser	mm ft in	3 282 10' 9"	3 282 10' 9"	3 282 10' 9"	3 282 10' 9"	3 282 10' 9"	3 282 10' 9"	3 282 10' 9"	3 282 10' 9"	3 282 10' 9"	3 282 10' 9"
E. Overall height of guard rail	mm ft in	3 525 11' 7"	3 525 11' 7"	3 525 11' 7"	3 525 11' 7"	3 525 11' 7"	3 525 11' 7"	3 525 11' 7"	3 525 11' 7"	3 525 11' 7"	3 525 11' 7"
F. Tail swing radius (Counterweight >9 050 Kg (19,960 lb))	mm ft in	3 747 12' 4"	3 747 12' 4"	3 747 12' 4"	3 747 12' 4"	3 747 12' 4"	3 747 12' 4"	3 747 12' 4"	3 747 12' 4"	3 747 12' 4"	3 747 12' 4"
G. Counterweight clearance* (Counterweight <9 750 Kg (21,500 lb))	mm ft in	3 800 12' 6"	3 800 12' 6"	3 800 12' 6"	3 800 12' 6"	3 800 12' 6"	3 800 12' 6"	3 800 12' 6"	3 800 12' 6"	-	-
H. Tumbler length	mm ft in	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"
I. Track length	mm ft in	1 211 4' 0"	1 211 4' 0"	1 211 4' 0"	1 211 4' 0"	1 211 4' 0"	1 211 4' 0"	1 211 4' 0"	1 211 4' 0"	1 211 4' 0"	1 211 4' 0"
J. Track gauge (retracted)	mm ft in	1 207 4' 0"	1 207 4' 0"	1 207 4' 0"	1 207 4' 0"	1 207 4' 0"	1 207 4' 0"	1 207 4' 0"	1 207 4' 0"	1 207 4' 0"	1 207 4' 0"
K. Shoe width	mm ft in	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"
L. Min. ground clearance*	mm ft in	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"
M. Overall length (Counterweight >9 050 Kg (19,960 lb))	mm ft in	2 740 9' 0"	2 740 9' 0"	2 740 9' 0"	2 740 9' 0"	2 740 9' 0"	2 740 9' 0"	2 740 9' 0"	2 740 9' 0"	2 740 9' 0"	2 740 9' 0"
N. Overall height of boom	mm ft in	900 36"	900 36"	900 36"	900 36"	900 36"	900 36"	900 36"	900 36"	900 36"	900 36"

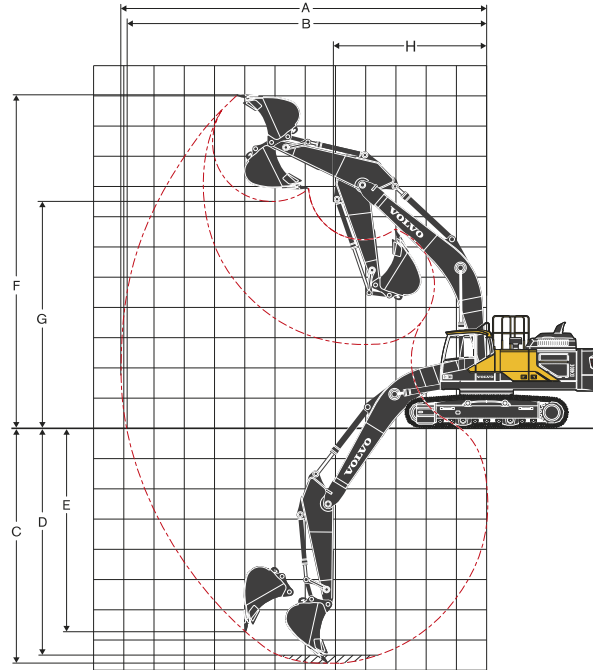
*Without shoe grouser

Description	Unit	EC480E retractable undercarriage									
Boom	m, ft in	6.5 ME, 21' 4"	7.0, 23' 0"								9.0, 30' 0"
Arm	m, ft in	2.55 8' 4"	2.55 8' 4"	3.35 11' 0"	3.9 12' 10"	4.8 15' 9"	6.0 19' 8"				
A. Overall width of upper structure	mm ft in	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"	2 990 9' 10"
B. Overall width (retracted)	mm ft in	3 290 10' 10"	3 290 10' 10"	3 290 10' 10"	3 290 10' 10"	3 290 10' 10"	3 290 10' 10"	3 290 10' 10"	3 290 10' 10"	3 290 10' 10"	3 290 10' 10"
C. Overall height of cab	mm ft in	3 790 12' 5"	3 790 12' 5"	3 790 12' 5"	3 790 12' 5"	3 790 12' 5"	3 790 12' 5"	3 790 12' 5"	3 790 12' 5"	3 790 12' 5"	3 790 12' 5"
D. Overall height of diffuser	mm ft in	3 392 11' 2"	3 392 11' 2"	3 392 11' 2"	3 392 11' 2"	3 392 11' 2"	3 392 11' 2"	3 392 11' 2"	3 392 11' 2"	3 392 11' 2"	3 392 11' 2"
E. Overall height of guard rail	mm ft in	3 650 12' 0"	3 650 12' 0"	3 650 12' 0"	3 650 12' 0"	3 650 12' 0"	3 650 12' 0"	3 650 12' 0"	3 650 12' 0"	3 650 12' 0"	3 650 12' 0"
F. Tail swing radius (Counterweight >9 050 Kg (19,960 lb))	mm ft in	3 857 12' 8"	3 857 12' 8"	3 857 12' 8"	3 857 12' 8"	3 857 12' 8"	3 857 12' 8"	3 857 12' 8"	3 857 12' 8"	3 857 12' 8"	3 857 12' 8"
G. Counterweight clearance* (Counterweight <9 750 Kg (21,500 lb))	mm ft in	3 800 12' 6"	3 800 12' 6"	3 800 12' 6"	3 800 12' 6"	3 800 12' 6"	3 800 12' 6"	3 800 12' 6"	3 800 12' 6"	-	-
H. Tumbler length	mm ft in	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"	3 880 12' 9"
I. Track length	mm ft in	1 321 4' 4"	1 321 4' 4"	1 321 4' 4"	1 321 4' 4"	1 321 4' 4"	1 321 4' 4"	1 321 4' 4"	1 321 4' 4"	1 321 4' 4"	1 321 4' 4"
J. Track gauge (retracted)	mm ft in	1 317 4' 4"	1 317 4' 4"	1 317 4' 4"	1 317 4' 4"	1 317 4' 4"	1 317 4' 4"	1 317 4' 4"	1 317 4' 4"	1 317 4' 4"	1 317 4' 4"
K. Shoe width	mm ft in	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"	4 370 14' 4"
L. Min. ground clearance *	mm ft in	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"	5 370 17' 7"
M. Overall length (Counterweight >9 050 Kg (19,960 lb))	mm ft in	2 390 7' 10"	2 390 7' 10"	2 390 7' 10"	2 390 7' 10"	2 390 7' 10"	2 390 7' 10"	2 390 7' 10"	2 390 7' 10"	2 390 7' 10"	2 390 7' 10"
N. Overall height of boom	mm ft in	2 890 9' 6"	2 890 9' 6"	2 890 9' 6"	2 890 9' 6"	2 890 9' 6"	2 890 9' 6"	2 890 9' 6"	2 890 9' 6"	2 890 9' 6"	2 890 9' 6"

*Without shoe grouser

Specifications.

WORKING RANGE



Description	Unit	EC480E*											
Boom	m, ft in	6.5 ME, 21' 4"				7.0, 23' 0"				9.0, 30' 0"			
Arm	m, ft in	2.55	8' 4"	2.55	8' 4"	3.35	11' 0"	3.9	12' 10"	4.8	15' 9"	6.0	19' 8"
A. Max. digging reach	mm ft in	10 934	35' 10"	11 453	37' 7"	12 146	39' 10"	12 645	41' 6"	13 366	43' 10"	16 456	54' 0"
B. Max. digging reach on ground	mm ft in	10 690	35' 1"	11 221	36' 10"	11 927	39' 2"	12 434	40' 10"	13 168	43' 2"	16 296	53' 6"
C. Max. digging depth	mm ft in	6 586	21' 7"	7 028	23' 1"	7 828	25' 8"	8 378	27' 6"	9 278	30' 5"	11 865	38' 11"
D. Max. digging depth (2.44 m/8' level)	mm ft in	6 418	21' 1"	6 860	22' 6"	7 686	25' 3"	8 250	27' 1"	9 167	30' 1"	11 767	38' 7"
E. Max. vertical wall digging depth	mm ft in	5 769	18' 11"	6 242	20' 6"	6 774	22' 3"	7 214	23' 8"	7 625	25' 0"	11 204	36' 9"
F. Max. cutting height	mm ft in	10 584	34' 9"	10 910	35' 10"	11 064	36' 4"	11 234	36' 10"	11 168	36' 8"	13 753	45' 1"
G. Max. dumping height	mm ft in	6 957	22' 10"	7 310	24' 0"	7 526	24' 8"	7 713	25' 4"	7 744	25' 5"	10 702	35' 1"
H. Min. front slew radius	mm ft in	4 758	15' 7"	5 040	16' 6"	5 088	16' 8"	5 050	16' 7"	5 100	16' 9"	6 492	21' 4"
Digging forces with direct fit bucket													
Bucket radius	mm ft in	1 923	6' 4"	1 810	5' 11"	1 810	5' 11"	1 810	5' 11"	1 810	5' 11"	1 598	5' 3"
Breakout force - bucket (Normal/Power boost)	SAE J1179 kN lb	253	56,854	230	51,616	230	51,616	230	51,616	230	51,616	163	36,666
	SAE J1179 kN lb	275	61,889	251	56,472	251	56,472	251	56,472	251	56,472	178	40,000
	ISO 6015 kN lb	285	64,093	261	58,652	261	58,652	261	58,652	261	58,652	183	41,145
	ISO 6015 kN lb	311	69,825	284	63,935	284	63,935	284	63,935	284	63,935	200	44,886
Tearout force - dipper arm (Normal/Power boost)	SAE J1179 kN lb	225	50,469	232	52,065	196	44,085	176	39,543	160	35,901	130	29,230
	SAE J1179 kN lb	244	54,875	252	56,696	215	48,311	192	43,073	174	39,206	142	31,888
	ISO 6015 kN lb	232	52,065	239	53,639	201	45,231	179	40,240	163	36,598	132	29,644
	ISO 6015 kN lb	253	56,899	260	58,495	220	49,435	196	43,972	178	39,903	144	32,339
Rotation angle, bucket	°	169	169	183	183	183	183	183	183	183	183	177	177

Description	Unit	EC480E, mechanically retractable width**											
Boom	m, ft in	6.5 ME, 21' 4"				7.0, 23' 0"				9.0, 30' 0"			
Arm	m, ft in	2.55	8' 4"	2.55	8' 4"	3.35	11' 0"	3.9	12' 10"	4.8	15' 9"	6.0	19' 8"
A. Max. digging reach	mm ft in	10 934	35' 10"	11 453	37' 7"	12 146	39' 10"	12 644	41' 6"	13 366	43' 10"	16 456	54' 0"
B. Max. digging reach on ground	mm ft in	10 665	35' 0"	11 197	36' 9"	11 905	39' 1"	12 413	40' 9"	13 148	43' 2"	16 280	53' 5"
C. Max. digging depth	mm ft in	6 476	21' 3"	6 918	22' 8"	7 718	25' 4"	8 268	27' 2"	9 168	30' 1"	11 755	38' 7"
D. Max. digging depth (2.44 m/8' level)	mm ft in	3 608	11' 10"	6 750	22' 2"	7 576	24' 10"	8 139	26' 8"	9 057	29' 9"	11 657	38' 3"
E. Max. vertical wall digging depth	mm ft in	5 659	18' 7"	6 132	20' 1"	6 664	21' 10"	7 104	23' 4"	7 515	24' 8"	11 094	36' 5"
F. Max. cutting height	mm ft in	10 694	35' 1"	11 021	36' 2"	11 174	36' 8"	11 344	37' 3"	11 278	37' 0"	13 863	45' 6"
G. Max. dumping height	mm ft in	7 067	23' 2"	7 420	24' 4"	7 636	25' 1"	7 823	25' 8"	7 854	25' 9"	10 812	35' 6"
H. Min. front slew radius	mm ft in	4 757	15' 7"	5 043	16' 7"	5 088	16' 8"	5 050	16' 7"	5 100	16' 9"	6 610	21' 8"
Digging forces with direct fit bucket													
Bucket radius	mm ft in	1 923	6' 4"	1 810	5' 11"	1 810	5' 11"	1 810	5' 11"	1 810	5' 11"	1 598	5' 3"
Breakout force - bucket (Normal/Power boost)	SAE J1179 kN lb	253	56,854	230	51,616	230	51,616	230	51,616	230	51,616	163	36,666
	SAE J1179 kN lb	275	61,889	251	56,472	251	56,472	251	56,472	251	56,472	178	40,000
	ISO 6015 kN lb	285	64,093	261	58,652	261	58,652	261	58,652	261	58,652	183	41,145
	ISO 6015 kN lb	311	69,825	284	63,935	284	63,935	284	63,935	284	63,935	200	44,886
Tearout force - dipper arm (Normal/Power boost)	SAE J1179 kN lb	225	50,469	232	52,065	196	44,085	176	39,543	160	35,901	130	29,230
	SAE J1179 kN lb	244	54,875	252	56,696	215	48,311	192	43,073	174	39,206	142	31,888
	ISO 6015 kN lb	232	52,065	239	53,639	201	45,231	179	40,240	163	36,598	132	29,644
	ISO 6015 kN lb	253	56,899	260	58,495	220	49,435	196	43,972	178	39,903	144	32,339
Rotation angle, bucket	°	169	169	183	183	183	183	183	183	183	183	177	177

* FIXED UNDERCARRIAGE, Machine with pin-on bucket

** RETRACTABLE UNDERCARRIAGE, Machine with pin-on bucket

GROUND PRESSURE

EC480E			with FIXED undercarriage											
	mm	in	kg	lb	kPa	psi	kg	lb	kPa	psi	kg	lb	kPa	psi
Triple grouser	600	24	46 566	102,680	84.9	12.3	47 302	104,300	86.3	12.5	47 866	105,540	87.3	12.7
	700	28	47 068	103,780	73.6	10.7	47 804	105,410	74.7	10.8	48 368	106,650	75.6	11.0
	800	32	47 577	104,910	65.1	9.4	48 313	106,530	66.1	9.6	48 877	107,770	66.9	9.7
	900	36	48 081	106,020	58.5	8.5	48 817	107,640	59.4	8.6	49 381	108,890	60.0	8.7
Triple grouser(HD)	600	24	46 680	102,930	85.1	12.3	47 416	104,550	86.5	12.5	47 980	105,800	87.5	12.7
Double grouser	600	24	46 618	102,790	85.0	12.3	47 354	104,420	86.4	12.5	47 918	105,660	87.4	12.7
			EC480E with FIXED undercarriage, 7.0 m (23') boom, 3.35 m (11') arm, 2 200 kg (4,850 lb) bucket, 8 450 kg (18,630 lb) counterweight				EC480E with FIXED undercarriage, 7.0 m (23') boom, 3.35 m (11') arm, 2 237 kg (5,150 lb) bucket, 9 050 kg (19,960 lb) counterweight				EC480E with FIXED undercarriage, 7.0 m (23') boom, 3.35 m (11') arm, 2 200 kg (4,850 lb) bucket, 9 750 kg (21,500 lb) counterweight			
EC480E			EC480EL with RETRACTABLE undercarriage											
	mm	in	kg	lb	kPa	psi	kg	lb	kPa	psi	kg	lb	kPa	psi
Triple grouser	600	24	47 615	104,990	86.8	12.6	48 352	106,620	88.2	12.8	48 915	107,860	89.2	12.9
	700	28	48 117	106,100	75.2	10.9	48 854	107,720	76.4	11.1	49 417	108,960	77.3	11.2
	800	32	48 619	107,200	66.5	9.6	49 356	108,830	67.5	9.8	49 919	110,070	68.3	9.9
	900	36	49 121	108,310	59.7	8.7	49 858	109,940	60.6	8.8	50 421	111,180	61.3	8.9
Triple grouser(HD)	600	24	47 729	105,240	87.1	12.6	48 466	106,870	88.4	12.8	49 029	108,110	89.4	13.0
Double grouser	600	24	47 667	105,110	86.9	12.6	48 404	106,730	88.3	12.8	48 967	107,970	89.3	12.9
			EC480E with RETRACTABLE undercarriage, 7.0 m (23') boom, 3.35 m (11') arm, 2 200 kg (4,850 lb) bucket, 8 450 kg (18,630 lb) counterweight				EC480E with RETRACTABLE undercarriage, 7.0 m (23') boom, 3.35 m (11') arm, 2 237 kg (5,150 lb) bucket, 9 050 kg (19,960 lb) counterweight				EC480E with RETRACTABLE undercarriage, 7.0 m (23') boom, 3.35 m (11') arm, 2 200 kg (4,850 lb) bucket, 9 750 kg (21,500 lb) counterweight			
EC480E			with FIXED undercarriage				with RETRACTABLE undercarriage							
	mm	in	kg	lb	kPa	psi	kg	lb	kPa	psi				
Triple grouser	600	24	48 299	106,500	88.1	12.8	49 348	108,810	90.0	13.0				
	700	28	48 801	107,610	76.3	11.1	49 850	109,920	77.9	11.3				
	800	32	49 310	108,730	67.5	9.8	50 352	111,030	68.9	10.0				
	900	36	49 814	109,840	60.6	8.8	50 854	112,130	61.8	9.0				
Triple grouser(HD)	600	24	48 351	106,610	88.2	12.8	49 400	108,930	90.1	13.1				
			EC480E LR with FIXED undercarriage, 9 m (29' 6") boom, 6 m (19' 8") arm, 1 162 kg (2,560 lb) bucket, 10 300 kg (22,710 lb) counterweight				EC480E LR with RETRACTABLE undercarriage, 9 m (29' 6") boom, 6 m (19' 8") arm, 1 162 kg (2,560 lb) bucket, 10 300 kg (22,710 lb) counterweight							

BUCKET SELECTION GUIDE

Bucket type		Capacity		Cutting width		Weight		Teeth	EC480EL fixed undercarriage					
									6.5 m (21' 4") ME Boom			7.0 m (23') Boom		
									900 mm (36") shoe, 8 450 kg (18,630 lb) counterweight					
		m ³	yd ³	mm	ft/in	kg	lb	EA	ME 2.55 m (8' 4")	2.55 m(8' 4")	3.35 m(11' 0")	3.9 m (12' 10")	4.8 m (15' 9")	
Direct fit Buckets	General purpose	1.2	2	850	33	1 627	3,589	3	C	C	C	C	C	
		1.3	2	1 050	41	1 681	3,706	3	C	C	C	C	C	
		1.6	2	1 200	47	1 869	4,122	4	C	C	C	C	C	
		1.8	2	1 350	53	2 051	4,522	5	C	C	C	C	C	
		2.1	3	1 500	59	2 192	4,833	5	C	C	C	C	B	
		2.7	3	1 800	70	2 456	5,416	5	C	C	B	B	X	
	Heavy duty	1.2	2	850	33	1 730	3,814	3	D	D	D	D	D	
		1.2	2	850	33	1 717	3,786	3	D	D	D	D	D	
		2.1	3	1 500	59	2 333	5,144	5	D	D	D	C	B	
		2.1	3	1 500	59	2 308	5,088	5	D	D	D	C	B	
		2.4	3	1 650	64	2 470	5,446	5	D	D	C	B	A	
		2.4	3	1 650	64	2 444	5,389	5	D	D	C	B	A	
2.7	3	1 800	70	2 623	5,783	5	D	C	B	A	X			
Bucket type		Capacity		Cutting width		Weight		Teeth	EC480EL retractable undercarriage					
									6.5 m (21' 4") ME Boom			7.0 m (23' 0") Boom		
									900 mm (36") shoe, 8 450 kg (18,630 lb) counterweight					
		m ³	yd ³	mm	ft/in	kg	lb	EA	ME 2.55 m (8' 4")	2.55 m (8' 4")	3.35 m (11' 0")	3.9 m (12' 10")	4.8 m (15' 9")	
Direct fit Buckets	General purpose	1.2	2	850	33	1 627	3 589	3	C	C	C	C	C	
		1.3	2	1 050	41	1 681	3 706	3	C	C	C	C	C	
		1.6	2	1 200	47	1 869	4 122	4	C	C	C	C	C	
		1.8	2	1 350	53	2 051	4 522	5	C	C	C	C	C	
		2.1	3	1 500	59	2 192	4 833	5	C	C	C	C	C	
		2.7	3	1 800	70	2 456	5 416	5	C	C	C	B	A	
	Heavy duty	1.2	2	850	33	1 730	3 814	3	D	D	D	D	D	
		1.2	2	850	33	1 717	3 786	3	D	D	D	D	D	
		2.1	3	1 500	59	2 333	5 144	5	D	D	D	D	C	
		2.1	3	1 500	59	2 308	5 088	5	D	D	D	D	C	
		2.4	3	1 650	64	2 470	5 446	5	D	D	D	C	B	
		2.4	3	1 650	64	2 444	5 389	5	D	D	D	C	B	
2.7	3	1 800	70	2 623	5 783	5	D	D	C	B	A			

X : Not recommended

Maximum material density

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

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

The recommendations are given as a guide only, based on typical operation conditions. Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

Specifications.

LIFTING CAPACITY EC480EL fixed undercarriage

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Max. reach		
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Front	Side	Max.
Boom: 6.5 m (21' 4") Arm: 2.5 m (8' 4") Shoe: 900 mm (36") CWT: 8 450 kg (18,630 lb)	7.5 m kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*12 260	10 870	7.3 m
	25 ft lb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*27,100	24,460	23.5 ft
	6 m kg	-	-	-	-	-	-	*13 240	*13 240	*12 170	10 250	-	-	-	-	*12 020	8 910	8.2 m
	20 ft lb	-	-	-	-	-	-	*28,790	*28,790	*26,700	22,040	-	-	-	-	*26,490	19,840	26.6 ft
	4.5 m kg	-	-	-	-	*19 760	*19 760	*15 080	13 910	*12 920	9 960	-	-	-	-	*12 020	7 900	8.7 m
	15 ft lb	-	-	-	-	*42,350	*42,350	*32,620	30,030	*28,150	21,480	-	-	-	-	*26,470	17,500	28.5 ft
	10 ft lb	-	-	-	-	*52,020	42,760	*37,040	28,500	*30,270	20,750	-	-	-	-	26,150	16,360	29.3 ft
	3 m kg	-	-	-	-	*23 490	19 790	*17 140	13 200	*13 940	9 620	-	-	-	-	11 850	7 410	8.9 m
	10 ft lb	-	-	-	-	*52,020	42,760	*37,040	28,500	*30,270	20,750	-	-	-	-	26,150	16,360	29.3 ft
	1.5 m kg	-	-	-	-	*17 070	*17 070	*18 690	12 670	*14 810	9 320	-	-	-	-	11 720	7 290	8.9 m
	5 ft lb	-	-	-	-	*42,170	41,000	*40,460	27,340	*32,140	20,100	-	-	-	-	25,830	16,080	29.3 ft
	0 m kg	-	-	-	-	*25 150	18 870	*19 320	12 390	15 010	9 140	-	-	-	-	12 170	7 530	8.7 m
	0 ft lb	-	-	-	-	*56,670	40,600	*41,880	26,730	32,330	19,720	-	-	-	-	26,830	16,610	28.5 ft
	-1.5 m kg	-	-	*18 520	*18 520	*24 790	18 960	*18 890	12 350	*14 780	9 120	-	-	-	-	*13 220	8 250	8.1 m
	-5 ft lb	-	-	*42,260	*42,260	*53,860	40,780	*40,930	26,640	*31,910	19,700	-	-	-	-	*29,150	18,220	26.6 ft
	-3 m kg	-	-	*28 510	*28 510	*22 150	19 260	*17 070	12 540	-	-	-	-	-	-	*13 320	9 820	7.2 m
	-10 ft lb	-	-	*62,040	*62,040	*47,980	41,440	*36,800	27,060	-	-	-	-	-	-	*29,360	21,820	23.6 ft
	-4.5 m kg	-	-	-	-	*17 040	*17 040	-	-	-	-	-	-	-	-	-	-	5.8 m
	-15 ft lb	-	-	-	-	*36,300	*36,300	-	-	-	-	-	-	-	-	-	-	18.7 ft
Boom: 7.0 m (23' 0") Arm: 2.55 m (8' 4") Shoe: 900 mm (36") CWT: 8 450 kg (18,630 lb)	9.0 m kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*11 710	*11 710	6.6 m
	30 ft lb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*25,990	*25,990	21.3 ft
	7.5 m kg	-	-	-	-	-	-	-	-	*11 170	10 380	-	-	-	-	*11 270	9 470	7.9 m
	25 ft lb	-	-	-	-	-	-	-	-	*24,710	22,260	-	-	-	-	*24,890	21,260	25.6 ft
	6 m kg	-	-	-	-	-	-	*12 920	*12 920	*11 540	10 200	-	-	-	-	*11 180	7 960	8.7 m
	20 ft lb	-	-	-	-	-	-	*27,980	*27,980	*25,200	21,970	-	-	-	-	*24,660	17,710	28.5 ft
	4.5 m kg	-	-	-	-	*19 960	*19 960	*14 950	13 630	*12 500	9 850	*11 320	7 450	-	-	*11 260	7 150	9.2 m
	15 ft lb	-	-	-	-	*44,000	*44,000	*32,270	29,460	*27,150	21,240	*24,840	16,020	-	-	*24,820	15,830	30.2 ft
	3 m kg	-	-	-	-	-	-	*17 080	12 880	*13 610	9 460	11 670	7 280	-	-	10 790	6 740	9.5 m
	10 ft lb	-	-	-	-	-	-	*36,860	27,840	*29,520	20,430	25,130	15,690	-	-	23,830	14,890	31.1 ft
	1.5 m kg	-	-	-	-	-	-	*18 570	12 370	*14 540	9 150	11 490	7 120	-	-	10 690	6 640	9.5 m
	5 ft lb	-	-	-	-	-	-	*40,150	26,720	*31,520	19,750	24,770	15,370	-	-	23,560	14,640	31.1 ft
	0 m kg	-	-	-	-	*14 970	*14 970	*19 110	12 150	*14 820	8 970	11 400	7 040	-	-	11 040	6 830	9.2 m
	0 ft lb	-	-	-	-	*33,010	*33,010	*41,420	26,200	*31,920	19,360	24,600	15,210	-	-	24,350	15,070	30.2 ft
	-1.5 m kg	-	-	-	-	*24 260	18 720	*18 750	12 130	*14 780	8 940	-	-	-	-	12 010	7 400	8.7 m
	-5 ft lb	-	-	-	-	*52,790	40,240	*40,660	26,160	*31,850	19,300	-	-	-	-	26,530	16,350	28.5 ft
	-3 m kg	-	-	*27 060	*27 060	*22 120	19 000	*17 360	12 300	*13 500	9 100	-	-	-	-	*12 490	8 600	7.9 m
	-10 ft lb	-	-	*60,130	*60,130	*48,010	40,860	*37,550	26,540	*28,890	19,700	-	-	-	-	*27,540	19,100	25.7 ft
	-4.5 m kg	-	-	-	-	*18 270	*18 270	*14 090	12 730	-	-	-	-	-	-	*12 200	11 300	6.6 m
	-15 ft lb	-	-	-	-	*39,280	*39,280	*29,870	27,550	-	-	-	-	-	-	*26,810	25,370	21.3 ft
Boom: 7.0 m (23' 0") Arm: 3.35 m (11' 0") Shoe: 900 mm (36") CWT: 8 450 kg (18,630 lb)	9.0 m kg	-	-	-	-	-	-	-	-	*10 020	*10 020	-	-	-	-	*10 080	*10 080	7.6 m
	30 ft lb	-	-	-	-	-	-	-	-	*22,090	*22,090	-	-	-	-	*22,320	*22,320	24.5 ft
	7.5 m kg	-	-	-	-	-	-	-	-	*9 760	*9 760	-	-	-	-	*9 470	8 140	8.7 m
	25 ft lb	-	-	-	-	-	-	-	-	*21,460	*21,460	-	-	-	-	*20,950	18,210	28.4 ft
	6 m kg	-	-	-	-	-	-	-	-	*10 360	10 330	*9 900	7 660	-	-	*9 270	6 990	9.5 m
	20 ft lb	-	-	-	-	-	-	-	-	*22,610	22,250	*21,800	16,440	-	-	*20,450	15,540	30.9 ft
	4.5 m kg	-	-	-	-	*17 590	*17 590	*13 440	*13 440	*11 430	9 930	*10 360	7 480	-	-	*9 340	6 340	9.9 m
	15 ft lb	-	-	-	-	*37,640	*37,640	*29,030	*29,030	*24,840	21,410	*22,640	16,090	-	-	*20,590	14,030	32.6 ft
	3 m kg	-	-	-	-	*22 320	19 610	*15 730	13 040	*12 680	9 480	*11 020	7 240	-	-	9 640	5 990	10.2 m
	10 ft lb	-	-	-	-	*47,870	42,370	*33,950	28,170	*27,510	20,460	*24,000	15,610	-	-	21,280	13,230	33.3 ft
	1.5 m kg	-	-	-	-	*15 350	*15 350	*17 590	12 380	*13 820	9 090	11 410	7 030	-	-	9 530	5 890	10.2 m
	5 ft lb	-	-	-	-	*36,980	*36,980	*38,040	26,730	*29,960	19,630	24,580	15,150	-	-	21,010	12,980	33.3 ft
	0 m kg	-	-	-	-	*18 910	18 240	*18 640	12 000	*14 580	8 830	11 240	6 870	-	-	9 780	6 010	9.9 m
	0 ft lb	-	-	-	-	*44,070	39,250	*40,370	25,890	*31,600	19,050	24,230	14,830	-	-	21,560	13,260	32.6 ft
	-1.5 m kg	-	-	*13 700	*13 700	*25 160	18 250	*18 790	11 870	*14 560	8 720	11 190	6 830	-	-	10 470	6 420	9.4 m
	-5 ft lb	-	-	*31,100	*31,100	*54,600	39,250	*40,740	25,600	*31,360	18,810	24,140	14,760	-	-	23,130	14,180	31.0 ft
	-3 m kg	-	-	*23 340	*23 340	*23 580	18 460	*18 020	11 950	*14 180	8 760	-	-	-	-	*11 610	7 270	8.7 m
	-10 ft lb	-	-	*52,860	*52,860	*51,130	39,700	*39,000	25,760	*30,600	18,930	-	-	-	-	*25,620	16,110	28.4 ft
	-4.5 m kg	-	-	*27 470	*27 470	*20 660	18 880	*15 940	12 230	*11 940	9 060	-	-	-	-	*11 790	9 000	7.5 m
	-15 ft lb	-	-	*59,350	*59,350	*44,560	40,650	*34,250	26,410	*26,320	19,970	-	-	-	-	*26,000	20,110	24.5 ft
Boom: 7.0 m (23' 0") Arm: 3.9 m (12' 10") Shoe: 900 mm (36") CWT: 8 450 kg (18,630 lb)	9 m kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*8 060	*8 060	8.3 m
	30 ft lb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*17,900	*17,900	26.7 ft
	7.5 m kg	-	-	-	-	-	-	-	-	-	-	*9 070	7 870	-	-	*7 630	7 400	9.3 m
	25 ft lb	-	-	-	-	-	-	-	-	-	-	*18,290	16,850	-	-	*16,870	16,550	30.3 ft
	6 m kg	-	-	-	-	-	-	-	-	*9 620	*9 620	*9 230	7 780	-	-	*7 490	6 450	10.0 m
	20 ft lb	-	-	-	-	-	-	-	-	*20,990	*20,990	*20,270	16,730	-	-	*16,510	14,320	32.7 ft
	4.5 m kg	-	-	-	-	-	-	*12 430	*12 430	*10 750	10 070	*9 800	7 570	-	-	*7 550	5 880	10.4 m
	15 ft lb	-	-	-	-	-	-	*26,870	*26,870	*23,360	21,730	*21,410	16,290	-	-	*16,630	13,020	34.2 ft
	3 m kg	-	-	-	-	*20 560	20 210	*14 830	13 280	*12 090	9 600	*10 550	7 310	9 210	5 720	*7 800	5 580	10.7 m
	10 ft lb	-	-	-	-	*44,120	43,640	*32,010	28,680	*26,220	20,710	*22,980	15,750	20,300	12,610	*17,170	12,320	35.0 ft
	1.5 m kg	-	-	-	-	*20 860	18 860	*16 920	12 540	*13 350	9 170	*11 300	7 060	9 080	5 600	*8 260	5 480	10.7 m
	5 ft lb	-	-	-	-	*49,770	40,670	*36,590	27,060	*28,940	19,780	*24,570	15,210	20,020	12,350	*18,190	12,080	35.0 ft
	0 m kg	-																

LIFTING CAPACITY EC480EL fixed undercarriage

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

		Lifting hook related to ground level	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Max. reach			
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Front	Side	Max.	
Boom: 7.0 m (23' 0") Arm: 4.8 m (15' 9") Shoe: 900 mm (36") CWT: 8 450 kg (18,630 lb)	9 m	kg	-	-	-	-	-	-	-	-	-	-	*7 880	*7 880	-	-	*7 290	*7 290	9.2 m	
	30 ft	lb	-	-	-	-	-	-	-	-	-	-	*17,370	*17,370	-	-	*16,170	*16,170	29.8 ft	
	7.5 m	kg	-	-	-	-	-	-	-	-	-	-	*7 720	*7 720	-	-	*7 020	6 480	10.1 m	
	25 ft	lb	-	-	-	-	-	-	-	-	-	-	*17,060	*17,060	-	-	*15,510	14,470	33.0 ft	
	6 m	kg	-	-	-	-	-	-	-	-	-	-	*8 080	7 920	*8 090	6 010	*6 950	5 710	10.8 m	
	20 ft	lb	-	-	-	-	-	-	-	-	-	-	*17,730	17,020	*16,190	12,860	*15,320	12,690	35.2 ft	
	4.5 m	kg	-	-	-	-	-	-	-	-	-	-	*8 760	7 660	*8 380	5 890	*7 040	5 240	11.2 m	
	15 ft	lb	-	-	-	-	-	-	-	-	-	-	*19,130	16,480	*18,410	12,640	*15,520	11,600	36.7 ft	
	3 m	kg	-	-	-	-	*17 390	*17 390	*13 050	*13 050	*10 870	9 730	*9 610	7 340	*8 850	5 720	*7 300	4 970	11.4 m	
	10 ft	lb	-	-	-	-	*37,350	*37,350	*28,210	*28,210	*23,600	20,980	*20,940	15,810	*19,360	12,280	*16,080	10,970	37.3 ft	
	1.5 m	kg	-	-	-	-	*21 700	19 300	*15 450	12 710	*12 310	9 210	*10 500	7 030	9 030	5 540	*7 740	4 860	11.4 m	
	5 ft	lb	-	-	-	-	*46,790	41,620	*33,400	27,410	*26,690	19,870	*22,820	15,150	19,430	11,910	*17,100	10,720	37.3 ft	
	0 m	kg	-	-	-	-	*24 290	18 280	*17 250	12 040	*13 490	8 800	*11 160	6 770	8 870	5 390	8 090	4 910	11.2 m	
	0 ft	lb	-	-	-	-	*52,530	39,350	*37,360	25,970	*29,270	18,970	*24,030	14,600	19,100	11,610	17,830	10,830	36.7 ft	
	-1.5 m	kg	*9 300	*9 300	*13 830	*13 830	*25 250	17 850	*18 260	11 670	*14 250	8 530	*10 970	6 600	8 780	5 310	8 490	5 140	10.8 m	
	-5 ft	lb	*20,760	*20,760	*31,210	*31,210	*54,700	38,400	*39,570	25,150	*30,900	18,390	*23,630	14,230	18,930	11,460	18,750	11,350	35.3 ft	
	-3 m	kg	*14 260	*14 260	*19 340	*19 340	*24 960	17 790	*18 420	11 540	*14 260	8 420	*10 910	6 540	-	-	*9 300	5 620	10.1 m	
	-10 ft	lb	*31,910	*31,910	*43,650	*43,650	*54,080	38,270	*39,910	24,870	*30,700	18,150	*23,510	14,130	-	-	*20,580	12,450	33.0 ft	
	-4.5 m	kg	*19 970	*19 970	*26 530	*26 530	*23 480	18 000	*17 630	11 620	*13 820	8 470	*10 870	6 650	-	-	*10 600	6 530	9.1 m	
	-15 ft	lb	*44,860	*44,860	*60,120	*60,120	*50,760	38,730	*38,100	25,050	*29,780	18,300	*23,960	14,660	-	-	*23,430	14,530	29.8 ft	
-6 m	kg	-	-	*28 670	*28 670	*20 450	18 470	*15 490	11 920	*11 730	8 760	-	-	-	-	*11 050	8 370	7.8 m		
-20 ft	lb	-	-	*61,480	*61,480	*43,870	39,790	*33,120	25,760	*24,670	19,000	-	-	-	-	*24,410	18,860	25.1 ft		
Boom: 7.0 m (23' 0") Arm: 2.55 m (8' 4") Shoe: 900 mm (36") CWT: 9 050 kg (19,960 lb)	9 m	kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*11 710	*11 710	6.6 m	
	30 ft	lb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*25,990	*25,990	21.3 ft	
	7.5 m	kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*11 270	9 810	7.9 m
	25 ft	lb	-	-	-	-	-	-	-	-	*24 710	23,040	-	-	-	-	*24 890	22,010	25.6 ft	
	6 m	kg	-	-	-	-	-	-	*12 920	*12 920	*11 540	10 560	-	-	-	-	*11 180	8 260	8.7 m	
	20 ft	lb	-	-	-	-	-	-	*27,980	*27,980	*25,200	22,750	-	-	-	-	*24,660	18,370	28.5 ft	
	4.5 m	kg	-	-	-	-	*19 960	*19 960	*14 950	14 110	*12 500	10 200	*11 320	7 740	-	-	*11 260	7 430	9.2 m	
	15 ft	lb	-	-	-	-	*44,000	*44,000	*32,270	30,490	*27,150	22,020	*24,840	16,640	-	-	*24,820	16,440	30.2 ft	
	3 m	kg	-	-	-	-	-	-	*17 080	13 360	*13 610	9 820	*11 790	7 570	-	-	*11 140	7 010	9.5 m	
	10 ft	lb	-	-	-	-	-	-	*36,860	28,870	*29,520	21,200	*25,710	16,310	-	-	*24,580	15,480	31.1 ft	
	1.5 m	kg	-	-	-	-	-	-	*18 570	12 850	*14 540	9 510	*11 860	7 410	-	-	*11 030	6 910	9.5 m	
	5 ft	lb	-	-	-	-	-	-	*40,150	27,750	*31,520	20,530	*25,560	15,990	-	-	*24,310	15,240	31.1 ft	
	0 m	kg	-	-	-	-	*14 970	*14 970	*19 110	12 620	*15 020	9 330	*11 770	7 330	-	-	*11 400	7 110	9.2 m	
	0 ft	lb	-	-	-	-	*33,010	*33,010	*41,420	27,230	*32,550	20,140	*25,390	15,840	-	-	*25,130	15,690	30.2 ft	
	-1.5 m	kg	-	-	-	-	*24 260	19 430	*18 750	12 610	*14 830	9 300	-	-	-	-	*12 310	7 700	8.7 m	
	-5 ft	lb	-	-	-	-	*52,790	41,780	*40,660	27,200	*32,100	20,080	-	-	-	-	*27,160	17,020	28.5 ft	
	-3 m	kg	-	-	*27 060	*27 060	*22 120	19 710	*17 360	12 780	*13 500	9 460	-	-	-	-	*12 490	8 940	7.9 m	
	-10 ft	lb	-	-	*60,130	*60,130	*48,010	42,400	*37,550	27,580	*28,890	20,480	-	-	-	-	*27,540	19,850	25.7 ft	
	-4.5 m	kg	-	-	-	-	*18 270	*18 270	*14 090	13 210	-	-	-	-	-	-	*12 200	11 720	6.6 m	
	-15 ft	lb	-	-	-	-	*39,280	*39,280	*29,870	28,590	-	-	-	-	-	-	*26,810	26,320	21.3 ft	
Boom: 7.0 m (23' 0") Arm: 3.35 m (11' 0") Shoe: 900 mm (36") CWT: 9 050 kg (19,960 lb)	9 m	kg	-	-	-	-	-	-	-	-	*10 020	*10 020	-	-	-	-	*10 080	*10 080	7.6 m	
	30 ft	lb	-	-	-	-	-	-	-	-	*22,090	*22,090	-	-	-	-	*22,320	*22,320	24.5 ft	
	7.5 m	kg	-	-	-	-	-	-	-	-	*9 760	*9 760	-	-	-	-	*9 470	8 430	8.7 m	
	25 ft	lb	-	-	-	-	-	-	-	-	*21,460	*21,460	-	-	-	-	*20,950	18,880	28.4 ft	
	6 m	kg	-	-	-	-	-	-	-	-	*10 360	*10 360	*9 900	7 940	-	-	*9 270	7 260	9.5 m	
	20 ft	lb	-	-	-	-	-	-	-	-	*22,610	*22,610	*21,800	17,060	-	-	*20,450	16,140	30.9 ft	
	4.5 m	kg	-	-	-	-	*17 590	*17 590	*13 440	*13 440	*11 430	10 290	*10 360	7 760	-	-	*9 340	6 590	9.9 m	
	15 ft	lb	-	-	-	-	*37,640	*37,640	*29,030	*29,030	*24,840	22,190	*22,640	16,720	-	-	*20,590	14,590	32.6 ft	
	3 m	kg	-	-	-	-	*22 320	20 320	*15 730	13 520	*12 680	9 840	*11 020	7 530	-	-	*9 670	6 240	10.2 m	
	10 ft	lb	-	-	-	-	*47,870	43,920	*33,950	29,200	*27,510	21,240	*24,000	16,230	-	-	*21,290	13,780	33.3 ft	
	1.5 m	kg	-	-	-	-	*15 350	*15 350	*17 590	12 860	*13 820	9 450	*11 660	7 310	-	-	*9 840	6 140	10.2 m	
	5 ft	lb	-	-	-	-	*36,980	*36,980	*38,040	27,760	*29,960	20,400	*25,340	15,770	-	-	*21,700	13,530	33.3 ft	
	0 m	kg	-	-	-	-	*18 910	*18 910	*18 640	12 480	*14 580	9 190	*11 610	7 160	-	-	*10 100	6 270	9.9 m	
	0 ft	lb	-	-	-	-	*44,070	40,790	*40,370	26,930	*31,600	19,830	*25,010	15,450	-	-	*22,270	13,830	32.6 ft	
	-1.5 m	kg	-	-	*13 700	*13 700	*25 160	18 970	*18 790	12 350	*14 780	9 080	*11 560	7 120	-	-	*10 820	6 690	9.4 m	
	-5 ft	lb	-	-	*31,100	*31,100	*54,600	40,790	*40,740	26,640	*32,020	19,590	*24,930	15,380	-	-	*23,890	14,780	31.0 ft	
	-3 m	kg	-	-	*23 340	*23 340	*23 580	19 170	*18 020	12 420	*14 180	9 120	-	-	-	-	*11 610	7 570	8.7 m	
	-10 ft	lb	-	-	*52,860	*52,860	*51,130	41,240	*39,000	26,800	*30,600	19,710	-	-	-	-	*25,620	16,770	28.4 ft	
	-4.5 m	kg	-	-	*27 470	*27 470	*20 660	19 600	*15 940	12 710	*11 940	9 420	-	-	-	-	*11 790	9 350	7.5 m	
	-15 ft	lb	-	-	*59,350	*59,350	*44,560	42,190	*34,250	27,440	*11,940	20,770	-	-	-	-	*26,000	20,910	24.5 ft	
Boom: 7.0 m (23' 0") Arm: 3.9 m (12' 10") Shoe: 900 mm (36") CWT: 9 050 kg (19,960 lb)	9 m	kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*8 060	*8 060	8.3 m	
	30 ft	lb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*17,900	*17,900	26.7 ft	
	7.5 m	kg	-	-	-	-	-	-	-	-	-	-	*9 070	8 160	-	-	*7 630	*7 630	9.3 m	
	25 ft	lb	-	-	-	-	-	-	-	-	-	-	*18,290	17,480	-	-	*16,870	*16,870	30.3 ft	
	6 m	kg	-	-	-	-	-	-	-	-	-	*9 620	*9 620	*9 230	8 070	-	-	*7 490	6 700	10.0 m
	20 ft	lb	-	-	-	-	-	-	-	-	-	*20,990	*20,990	*20,270	17,350	-	-	*16,510	14,890	32.7 ft
	4.5 m	kg	-	-	-	-	-	-	*12 430	*12 430	*10 750	10 430	*9 800	7 860	-	-	*7 550	6 130	10.4 m	
	15 ft	lb	-	-	-	-	-	-	*26,870	*26,870	*23,360	22,500	*21,410	16,920	-	-	*16,630	13,560	34.2 ft	
	3 m	kg	-	-	-	-	*20 560	*20 560	*14 830	13 760	*12 090	9 960	*10 550	7 600	*9 440	5 960	*7 800	5 810	10.7 m	
	10 ft	lb	-	-	-	-	*44,120	*44,120	*32,010	29,710	*26,220	21,490	*22,980	16,370	*20,810	13,140	*17,170	12,840	35.0 ft	
	1.5 m	kg	-	-	-	-	*20 860	19 580	*16 920	13 010	*13 350	9 530	*11 300	7 340	*9 380	5 840	*8 260	5 710	10.7 m	
	5 ft	lb	-	-	-	-	*49,770	42,210	*36,590	28,090	*28,940	20,560	*24,570	15,840	*20,680	12,870	*18,190	12,600	35.0 ft	
	0 m	kg	-	-	-	-	*20 810	19 000	*18 280	12 540	*14 280	9 210	*11 600	7 150	-	-	*9 000	5 810	10.4 m	
	0 ft	lb																		

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 EC480EL fixed undercarriage

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Max. reach			
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Front	Side	Max.	
Boom: 7.0 m (23' 0")	9 m	kg	-	-	-	-	-	-	-	-	-	*7 880	*7 880	-	-	*7 290	*7 290	9.2 m	
	30 ft	lb	-	-	-	-	-	-	-	-	-	*17,370	*17,370	-	-	*16,170	*16,170	29.8 ft	
Arm: 4.8 m (15' 9")	7.5 m	kg	-	-	-	-	-	-	-	-	-	*7 720	*7 720	-	-	*7 020	6 730	10.1 m	
	25 ft	lb	-	-	-	-	-	-	-	-	-	*17,060	*17,060	-	-	*15,510	15,030	33.0 ft	
Shoe: 900 mm (36")	6 m	kg	-	-	-	-	-	-	-	-	-	*8 080	*8 080	*8 090	6 250	*6 950	5 950	10.8 m	
	20 ft	lb	-	-	-	-	-	-	-	-	-	*17,730	17,640	*16,190	13,380	*15,320	13,200	35.2 ft	
CWT: 9 050 kg (19,960 lb)	4.5 m	kg	-	-	-	-	-	-	-	*9 440	*9 440	*8 760	7 940	*8 380	6 130	*7 040	5 460	11.2 m	
	15 ft	lb	-	-	-	-	-	-	-	*20,530	*20,530	*19,130	17,100	*18,410	13,160	*15,520	12,090	36.7 ft	
	3 m	kg	-	-	-	-	*17 390	*17 390	*13 050	*13 050	*10 870	10 090	*9 610	7 630	*8 850	5 960	*7 300	5 190	11.4 m
	10 ft	lb	-	-	-	-	*37,350	*37,350	*28,210	*28,210	*23,600	21,760	*20,940	16,440	*19,360	12,800	*16,080	11,450	37.3 ft
	1.5 m	kg	-	-	-	-	*21 700	20 020	*15 450	13 180	*12 310	9 570	*10 500	7 320	9 330	5 780	*7 740	5 080	11.4 m
	5 ft	lb	-	-	-	-	*46,790	43,160	*33,400	28,450	*26,690	20,640	*22,820	15,770	20,070	12,430	*17,040	11,200	37.3 ft
	0 m	kg	-	-	-	-	*24 290	18 990	*17 250	12 520	*13 490	9 160	*11 250	7 060	9 170	5 630	8 360	5 130	11.2 m
	0 ft	lb	-	-	-	-	*52,530	40,890	*37,360	27,010	*29,270	19,740	*24,440	15,220	19,740	12,130	18,440	11,320	36.7 ft
	-1.5 m	kg	*9 300	*9 300	*13 830	*13 830	*25 250	18 570	*18 260	12 150	*14 250	8 890	11 330	6 890	9 080	5 550	8 780	5 370	10.8 m
	-5 ft	lb	*20,760	*20,760	*31,210	*31,210	*54,700	39,940	*39,570	26,180	*30,900	19,160	24,420	14,860	19,580	11,980	19,390	11,860	35.3 ft
	-3 m	kg	*14 260	*14 260	*19 340	*19 340	*24 960	18 510	*18 420	12 020	*14 430	8 780	11 270	6 830	-	-	9 610	5 870	10.1 m
	-10 ft	lb	*31,910	*31,910	*43,650	*43,650	*54,080	39,810	*39,910	25,900	*31,250	18,930	24,300	14,750	-	-	21,280	13,000	33.0 ft
	-4.5 m	kg	*19 970	*19 970	*26 530	*26 530	*23 480	18 710	*17 630	12 100	*13 820	8 830	*10 870	6 940	-	-	*10 600	6 810	9.1 m
	-15 ft	lb	*44,860	*44,860	*60,120	*60,120	*50,760	40,270	*38,100	26,090	*29,780	19,080	*23,960	15,300	-	-	*23,430	15,160	29.8 ft
	-6 m	kg	-	-	-	-	*28 670	*28 670	*20 450	19 180	*15 490	12 400	*11 730	9 120	-	-	*11 050	8 720	7.8 m
	-20 ft	lb	-	-	-	-	*61,480	*61,480	*43,870	41,330	*33,120	26,800	*24,670	19,780	-	-	*24,410	19,630	25.1 ft
Boom: 7.0 m (23' 0")	9 m	kg	-	-	-	-	-	-	-	-	-	-	-	-	-	*11 710	*11 710	6.6 m	
	30 ft	lb	-	-	-	-	-	-	-	-	-	-	-	-	-	*25,990	*25,990	21.3 ft	
Arm: 2.55 m (8' 4")	7.5 m	kg	-	-	-	-	-	-	-	-	-	-	-	-	-	*11 270	10 240	7.9 m	
	25 ft	lb	-	-	-	-	-	-	-	*24,710	24,020	-	-	-	-	*24,890	22,970	25.6 ft	
Shoe: 900 mm (36")	6 m	kg	-	-	-	-	-	-	*12 920	*12 920	*11 540	11 010	-	-	-	-	*11 180	8 640	8.7 m
	20 ft	lb	-	-	-	-	-	-	*27,980	*27,980	*25,200	23,740	-	-	-	-	*24,660	19,220	28.5 ft
900 mm (36")	4.5 m	kg	-	-	-	-	*19 960	*19 960	*14 950	14 720	*12 500	10 660	*11 320	8 110	-	-	*11 260	7 780	9.2 m
CWT: 9 750 kg (21,500 lb)	15 ft	lb	-	-	-	-	*44,000	*44,000	*32,270	31,800	*27,150	23,010	*24,840	17,440	-	-	*24,820	17,230	30.2 ft
	3 m	kg	-	-	-	-	-	-	*17 080	13 970	*13 610	10 280	*11 790	7 930	-	-	*11 450	7 360	9.5 m
	10 ft	lb	-	-	-	-	-	-	*36,860	30,190	*29,520	22,190	*25,710	17,110	-	-	*25,240	16,240	31.1 ft
	1.5 m	kg	-	-	-	-	-	-	*18 570	13 460	*14 540	9 970	*12 230	7 780	-	-	*11 460	7 260	9.5 m
	5 ft	lb	-	-	-	-	-	-	*40,150	29,060	*31,520	21,520	26,550	16,780	-	-	*25,260	16,000	31.1 ft
	0 m	kg	-	-	-	-	*14 970	*14 970	*19 110	13 230	*15 020	9 780	12 230	7 690	-	-	*11 840	7 470	9.2 m
	0 ft	lb	-	-	-	-	*33,010	*33,010	*41,420	28,550	*32,550	21,120	26,380	16,630	-	-	*26,110	16,470	30.2 ft
	-1.5 m	kg	-	-	-	-	*24 260	20 340	*18 750	13 220	*14 830	9 750	-	-	-	-	*12 310	8 080	8.7 m
	-5 ft	lb	-	-	-	-	*52,790	43,740	*40,660	28,510	*32,100	21,070	-	-	-	-	*27,160	17,860	28.5 ft
	-3 m	kg	-	-	*27 060	*27 060	*22 120	20 620	*17 360	13 390	*13 500	9 920	-	-	-	-	*12 490	9 380	7.9 m
	-10 ft	lb	-	-	*60,130	*60,130	*48,010	44,360	*37,550	28,890	*28,890	21,470	-	-	-	-	*27,540	20,810	25.7 ft
	-4.5 m	kg	-	-	-	-	*18 270	*18 270	*14 090	13 820	-	-	-	-	-	-	*12 200	*12 200	6.6 m
	-15 ft	lb	-	-	-	-	*39,280	*39,280	*29,870	*29,870	-	-	-	-	-	-	*26,810	*26,810	21.3 ft
Boom: 7.0 m (23' 0")	9 m	kg	-	-	-	-	-	-	-	-	-	*10 020	*10 020	-	-	-	*10 080	*10 080	7.6 m
	30 ft	lb	-	-	-	-	-	-	-	-	-	*22,090	*22,090	-	-	-	*22,320	*22,320	24.5 ft
Arm: 3.35 m (11' 0")	7.5 m	kg	-	-	-	-	-	-	-	-	-	*9 760	*9 760	-	-	-	*9 470	8 820	8.7 m
	25 ft	lb	-	-	-	-	-	-	-	-	-	*21,460	*21,460	-	-	-	*20,950	19,730	28.4 ft
Shoe: 900 mm (36")	6 m	kg	-	-	-	-	-	-	-	-	-	*10 360	*10 360	*9 900	8 310	-	*9 270	7 600	9.5 m
	20 ft	lb	-	-	-	-	-	-	-	-	-	*22,610	*22,610	*21,800	17,850	-	*20,450	16,900	30.9 ft
CWT: 9 750 kg (21,500 lb)	4.5 m	kg	-	-	-	-	*17 590	*17 590	*13 440	*13 440	*11 430	10 740	*10 360	8 130	-	-	*9 340	6 920	9.9 m
	15 ft	lb	-	-	-	-	*37,640	*37,640	*29,030	*29,030	*24,840	23,180	*22,640	17,510	-	-	*20,590	15,310	32.6 ft
	3 m	kg	-	-	-	-	*22 320	21 230	*15 730	14 130	*12 680	10 300	*11 020	7 900	-	-	*9 670	6 560	10.2 m
	10 ft	lb	-	-	-	-	*47,870	45,880	*33,950	30,520	*27,510	22,230	*24,000	17,030	-	-	*21,290	14,480	33.3 ft
	1.5 m	kg	-	-	-	-	*15 350	*15 350	*17 590	13 470	*13 820	9 910	*11 660	7 680	-	-	*10 240	6 450	10.2 m
	5 ft	lb	-	-	-	-	*36,980	*36,980	*38,040	29,080	*29,960	21,390	*25,340	16,570	-	-	*22,570	14,230	33.3 ft
	0 m	kg	-	-	-	-	*18 910	*18 910	*18 640	13 090	*14 580	9 650	12 060	7 530	-	-	*10 500	6 590	9.9 m
	0 ft	lb	-	-	-	-	*44,070	42,750	*40,370	28,240	*31,600	20,820	26,010	16,250	-	-	*23,160	14,540	32.6 ft
	-1.5 m	kg	-	-	*13 700	*13 700	*25 160	19 880	*18 790	12 960	*14 780	9 530	12 010	7 480	-	-	*11 250	7 040	9.4 m
	-5 ft	lb	-	-	*31,100	*31,100	*54,600	42,750	*40,740	27,950	*32,020	20,580	25,920	16,170	-	-	*24,840	15,550	31.0 ft
	-3 m	kg	-	-	*23 340	*23 340	*23 580	20 080	*18 020	13 030	*14 180	9 580	-	-	-	-	*11 610	7 950	8.7 m
	-10 ft	lb	-	-	*52,860	*52,860	*51,130	43,200	*39,000	28,110	*30,600	20,700	-	-	-	-	*25,620	17,620	28.4 ft
	-4.5 m	kg	-	-	*27 470	*27 470	*20 660	20 510	*15 940	13 320	*11 940	9 880	-	-	-	-	*11 790	9 810	7.5 m
	-15 ft	lb	-	-</															

LIFTING CAPACITY EC480EL fixed undercarriage

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Max. reach				
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Front	Side	Max.		
Boom: 7.0 m (23' 0") Arm: 4.8 m (15' 9") Shoe: 900 mm (36") CWT: 9 750 kg (21,500 lb)	9 m	kg	-	-	-	-	-	-	-	-	-	*7 880	*7 880	-	-	*7 290	*7 290	9.2 m		
	30 ft	lb	-	-	-	-	-	-	-	-	-	*17,370	*17,370	-	-	*16,170	*16,170	29.8 ft		
	7.5 m	kg	-	-	-	-	-	-	-	-	-	*7 720	*7 720	-	-	*7 020	*7 020	10.1 m		
	25 ft	lb	-	-	-	-	-	-	-	-	-	*17,060	*17,060	-	-	*15,510	*15,510	33.0 ft		
	6 m	kg	-	-	-	-	-	-	-	-	-	*8 080	*8 080	*8 090	6 550	*6 950	6 240	10.8 m		
	20 ft	lb	-	-	-	-	-	-	-	-	-	-	-	*17,730	*17,730	*16,190	14,040	*15,320	13,860	35.2 ft
	4.5 m	kg	-	-	-	-	-	-	-	-	-	*9 440	*9 440	*8 760	8 310	*8 380	6 430	*7 040	5 750	11.2 m
	15 ft	lb	-	-	-	-	-	-	-	-	-	*20,530	*20,530	*19,130	17,890	*18,410	13,820	*15,520	12,720	36.7 ft
	3 m	kg	-	-	-	-	*17 390	*17 390	*13 050	*13 050	*10 870	10 550	*9 610	8 000	*8 850	6 260	*7 300	5 460	11.4 m	
	10 ft	lb	-	-	-	-	*37,350	*37,350	*28,210	*28,210	*23,600	22,750	*20,940	17,230	*19,360	13,470	*16,080	12,070	37.3 ft	
	1.5 m	kg	-	-	-	-	*21 700	20 930	*15 450	13 790	*12 310	10 030	*10 500	7 690	*9 360	6 080	*7 740	5 360	11.4 m	
	5 ft	lb	-	-	-	-	*46,790	45,120	*33,400	29,760	*26,690	21,630	*22,820	16,570	*20,410	13,100	*17,040	11,820	37.3 ft	
	0 m	kg	-	-	-	-	*24 290	19 900	*17 250	13 130	*13 490	9 610	*11 250	7 430	9 540	5 940	*8 420	5 420	11.2 m	
	0 ft	lb	-	-	-	-	*52,530	42,850	*37,360	28,320	*29,270	20,730	*24,440	16,010	*20,560	12,790	*18,550	11,950	36.7 ft	
	-1.5 m	kg	*9 300	*9 300	*13 830	*13 830	*25 250	19 480	*18 260	12 760	*14 250	9 340	*11 720	7 260	9 460	5 860	9 150	5 670	10.8 m	
	-5 ft	lb	*20,760	*20,760	*31,210	*31,210	*54,700	41,900	*39,570	27,500	*30,900	20,150	*25,410	15,650	*20,400	12,640	*20,190	12,520	35.3 ft	
	-3 m	kg	*14 260	*14 260	*19 340	*19 340	*24 960	19 420	*18 420	12 630	*14 430	9 230	*11 730	7 200	-	-	*10 010	6 190	10.1 m	
	-10 ft	lb	*31,910	*31,910	*43,650	*43,650	*54,080	41,770	*39,910	27,210	*31,250	19,920	*25,290	15,540	-	-	*22,150	13,710	33.0 ft	
	-4.5 m	kg	*19 970	*19 970	*26 530	*26 530	*23 480	19 630	*17 630	12 710	*13 820	9 290	*10 870	7 300	-	-	*10 600	7 170	9.1 m	
	-15 ft	lb	*44,860	*44,860	*60,120	*60,120	*50,760	42,230	*38,100	27,400	*29,780	20,070	*23,960	16,090	-	-	*23,430	15,960	29.8 ft	
-6 m	kg	-	-	-	-	*28 670	*28 670	*20 450	20 100	*15 490	13 010	*11 730	9 580	-	-	*11 050	9 150	7.8 m		
-20 ft	lb	-	-	*61,480	*61,480	*43,870	43,290	*33,120	28,110	*24,670	20,770	-	-	-	-	*24,410	20,610	25.1 ft		
	Lifting hook related to ground level	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)						
		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					
Boom: LR 9.0 m (29' 6") Arm: LR 6.0 m (19' 8") Shoe: 900 mm (36") CWT: LR 10 300 kg (22,710 lb)	6 m	kg	-	-	-	-	-	-	-	-	-	-	-	*5 710	*5 710					
	20 ft	lb	-	-	-	-	-	-	-	-	-	-	-	-	*12,580	*12,580				
	4.5 m	kg	-	-	-	-	-	-	-	-	-	-	-	-	*6 330	*6 330				
	15 ft	lb	-	-	-	-	-	-	-	-	-	-	-	-	*13,790	*13,790				
	3 m	kg	-	-	-	-	-	-	*11 700	*11 700	*9 250	*9 250	*7 850	7 750	*6 970	6 120				
	10 ft	lb	-	-	-	-	-	-	*25,180	*25,180	*19,990	*19,990	*17,030	16,720	*15,170	13,200				
	1.5 m	kg	-	-	-	-	-	-	*13 920	12 640	*10 660	9 370	*8 790	7 280	*7 630	5 810				
	5 ft	lb	-	-	-	-	-	-	*30,010	27,330	*23,050	20,250	*19,060	15,700	*16,570	12,520				
	0 m	kg	-	-	-	-	-	-	*15 550	11 830	*11 830	8 810	*9 630	6 880	*8 220	5 540				
	0 ft	lb	-	-	-	-	-	-	*33,600	25,550	*25,610	19,010	*20,880	14,850	*17,860	11,940				
	-1.5 m	kg	-	-	-	-	*8 730	*8 730	*16 540	11 380	*12 680	8 430	*10 290	6 600	*8 720	5 330				
	-5 ft	lb	-	-	-	-	*19,980	*19,980	*35,810	24,550	*27,480	18,190	*22,320	14,230	*18,920	11,490				
	-3 m	kg	*5 880	*5 880	*7 550	*7 550	*11 580	*11 580	*16 990	11 190	*13 190	8 220	*10 730	6 420	*8 780	5 200				
	-10 ft	lb	*13,210	*13,210	*17,070	*17,070	*26,400	*26,400	*36,820	24,130	*28,580	17,730	*23,260	13,850	*18,920	11,220				
	-4.5 m	kg	*8 900	*8 900	*10 880	*10 880	*15 270	*15 270	*16 970	11 190	*13 330	8 160	*10 840	6 360	*8 730	5 150				
	-15 ft	lb	*19,990	*19,990	*24,580	*24,580	*34,790	*34,790	*36,770	24,110	*28,890	17,600	*23,370	13,720	*18,830	11,130				
	-6 m	kg	*12 240	*12 240	*14 790	*14 790	*20 080	17 640	*16 480	11 320	*13 080	8 230	*10 730	6 400	*8 780	5 210				
	-20 ft	lb	*27,570	*27,570	*33,500	*33,500	*45,890	37,970	*35,650	24,430	*28,300	17,760	*23,180	13,830	*18,980	11,270				
	-7.5 m	kg	*16 230	*16 230	*19 730	*19 730	*20 040	18 120	*15 400	11 610	*12 320	8 430	*10 070	6 570	*8 170	5 400				
	-25 ft	lb	*36,680	*36,680	*44,880	*44,880	*43,200	39,030	*33,190	25,080	*26,520	18,220	*21,590	14,230	*17,270	11,770				
-9 m	kg	-	-	*23 880	*23 880	*17 300	*17 300	*13 460	12 080	*10 730	8 800	*8 400	6 950	-	-					
-30 ft	lb	-	-	*50,840	*50,840	*36,910	*36,910	*28,680	26,150	*22,740	19,100	*17,350	15,170	-	-					
	Lifting hook related to ground level	12.0 m (40 ft)		13.5 m (45 ft)		Max. reach														
		Along UC	Across UC	Along UC	Across UC	Front	Side	Max.												
	12 m	kg	-	-	-	*5 090	*5 090	11.2 m												
	40 ft	lb	-	-	-	*11,360	*11,360	36.1 ft												
	10.5 m	kg	*5 370	*5 370	-	*4 750	*4 750	12.3 m												
	35 ft	lb	*10,880	*10,880	-	*10,530	*10,530	40.1 ft												
	9 m	kg	*5 210	*5 210	-	*4 530	4 480	13.2 m												
	30 ft	lb	*11,570	*11,570	-	*10,030	10,000	43.2 ft												
	7.5 m	kg	*5 320	*5 320	*5 460	4 310	*4 420	4 020	13.9 m											
	25 ft	lb	*11,720	*11,720	*11,160	9,160	*9,750	8,930	45.4 ft											
	6 m	kg	*5 590	5 340	*5 550	4 260	*4 370	3 700	14.4 m											
	20 ft	lb	*12,250	11,460	*12,240	9,090	*9,630	8,190	47.1 ft											
	4.5 m	kg	*5 960	5 150	*5 760	4 150	*4 380	3 480	14.7 m											
	15 ft	lb	*13,030	11,060	*12,640	8,880	*9,650	7,690	48.2 ft											
	3 m	kg	*6 400	4 930	*6 030	4 020	*4 450	3 340	14.8 m											
	10 ft	lb	*13,960	10,610	*13,210	8,620	*9,800	7,380	48.7 ft											
	1.5 m	kg	*6 850	4 720	*6 330	3 890	*4 580	3 280	14.8 m											
	5 ft	lb	*14,920	10,170	*13,830	8,340	*10,090	7,240	48.7 ft											
	0 m	kg	*7 280	4 540	6 310	3 770	*4 780	3 290	14.7 m											
	0 ft	lb	*15,830	9,770	13,580	8,110	*10,550	7,250	48.2 ft											
	-1.5 m	kg	7 370	4 400	6 220	3 690	*5 080	3 370	14.4 m											
	-5 ft	lb	15,880	9,480	13,420	7,950	*11,200	7,440	47.1 ft											
	-3 m	kg	7 280	4 320	6 200	3 670	*5 500	3 540	13.9 m											
	-10 ft	lb	15,700	9,310	13,400	7,930	*12,140	7,830	45.5 ft											
	-4.5 m	kg	7 270	4 310	-	-	*6 090	3 840	13.2 m											
	-15 ft	lb	15,710	9,310	-	-	*13,490	8,500	43.2 ft											
	-6 m	kg	7 390	4 420	-	-	*6 970	4 310	12.3 m											
	-20 ft	lb	*15,780	9,620	-	-	*15,540	9,590	40.1 ft											
	-7.5 m	kg	-	-	-	-	*7 280	5 080	11.1 m											
	-25 ft	lb	-	-	-	-	*16,080	11,390	36.2 ft											
	-9 m	kg	-	-	-	-	*7 360	6 490	9.6 m											
	-30 ft	lb	-	-	-	-	*16,230	14,730	30.9 ft											

Specifications.

LIFTING CAPACITY EC480EL retractable undercarriage

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Max. reach		
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Front	Side	Max.
Boom: 6.5 m (21' 4") Arm: 2.55 m (8' 4") Shoe: 900 mm (36") CWT: 8 450 kg (18,630 lb)	7.5 m kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*12 260	11 700	7.3 m
	25 ft lb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*27,100	26,330	23.5 ft
	6 m kg	-	-	-	-	-	-	*13 240	*13 240	*12 170	11 040	-	-	-	-	*12 020	9 610	8.2 m
	20 ft lb	-	-	-	-	-	-	*28,790	*28,790	*26,700	23,750	-	-	-	-	*26,490	21,390	26.6 ft
	4.5 m kg	-	-	-	-	*19 760	*19 760	*15 080	15 030	*12 920	10 750	-	-	-	-	*12 020	8 540	8.7 m
	15 ft lb	-	-	-	-	*42,350	*42,350	*32,620	32,440	*28,150	23,180	-	-	-	-	*26,470	18,910	28.5 ft
	3 m kg	-	-	-	-	*23 490	21 630	*17 140	14 310	*13 940	10 400	-	-	-	-	12 150	8 020	8.9 m
	10 ft lb	-	-	-	-	*52,020	46,700	*37,040	30,890	*30,270	22,440	-	-	-	-	26,820	17,710	29.3 ft
	1.5 m kg	-	-	-	-	*17 070	*17 070	*18 690	13 770	*14 810	10 100	-	-	-	-	12 020	7 900	8.9 m
	5 ft lb	-	-	-	-	*42,170	*42,170	*40,460	29,700	*32,140	21,790	-	-	-	-	26,500	17,420	29.3 ft
	0 m kg	-	-	-	-	*25 150	20 690	*19 320	13 490	*15 210	9 910	-	-	-	-	12 480	8 160	8.7 m
	0 ft lb	-	-	-	-	*56,670	44,490	*41,880	29,090	*32,980	21,400	-	-	-	-	27,520	18,000	28.5 ft
	-1.5 m kg	-	-	*18 520	*18 520	*24 790	20 780	*18 890	13 450	*14 780	9 900	-	-	-	-	*13 220	8 940	8.1 m
	-5 ft lb	-	-	*42,260	*42,260	*53,860	44,670	*40,930	29,000	*31,910	21,380	-	-	-	-	*29,150	19,760	26.6 ft
	-3 m kg	-	-	*28 510	*28 510	*22 150	21 090	*17 070	13 640	-	-	-	-	-	-	*13 320	10 650	7.2 m
	-10 ft lb	-	-	*62,040	*62,040	*47,980	45,350	*36,800	29,420	-	-	-	-	-	-	*29,360	23,650	23.6 ft
	-4.5 m kg	-	-	-	-	*17 040	*17 040	-	-	-	-	-	-	-	-	-	-	5.8 m
	-15 ft lb	-	-	-	-	*36,300	*36,300	-	-	-	-	-	-	-	-	-	-	18.7 ft
Boom: 7.0 m (23' 0") Arm: 2.55 m (8' 4") Shoe: 900 mm (36") CWT: 8 450 kg (18,630 lb)	9.0 m kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*11 710	*11 710	6.6 m
	30 ft lb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*25,990	*25,990	21.3 ft
	7.5 m kg	-	-	-	-	-	-	-	-	*11 170	*11 170	-	-	-	-	*11 270	10 200	7.9 m
	25 ft lb	-	-	-	-	-	-	-	-	*24,710	23,970	-	-	-	-	*24,890	22,900	25.6 ft
	6 m kg	-	-	-	-	-	-	*12 920	*12 920	*11 540	10 990	-	-	-	-	*11 180	8 590	8.7 m
	20 ft lb	-	-	-	-	-	-	*27,980	*27,980	*25,200	23,670	-	-	-	-	*24,660	19,120	28.5 ft
	4.5 m kg	-	-	-	-	*19 960	*19 960	*14 950	14 750	*12 500	10 630	*11 320	8 060	-	-	*11 260	7 730	9.2 m
	15 ft lb	-	-	-	-	*44,000	*44,000	*32,270	31,850	*27,150	22,940	*24,840	17,330	-	-	*24,820	17,120	30.2 ft
	3 m kg	-	-	-	-	-	-	*17 080	13 990	*13 610	10 240	*11 790	7 880	-	-	11 080	7 300	9.5 m
	10 ft lb	-	-	-	-	-	-	*36,860	30,210	*29,520	22,110	*25,710	16,990	-	-	24,450	16,130	31.1 ft
	1.5 m kg	-	-	-	-	-	-	*18 570	13 470	*14 540	9 930	11 790	7 720	-	-	10 970	7 200	9.5 m
	5 ft lb	-	-	-	-	-	-	*40,150	29,070	*31,520	21,430	25,420	16,660	-	-	24,180	15,880	31.1 ft
	0 m kg	-	-	-	-	*14 970	*14 970	*19 110	13 240	*15 020	9 740	11 700	7 640	-	-	11 330	7 420	9.2 m
	0 ft lb	-	-	-	-	*33,010	*33,010	*41,420	28,550	*32,550	21,030	25,250	16,510	-	-	24,990	16,350	30.2 ft
	-1.5 m kg	-	-	-	-	*24 260	20 530	*18 750	13 220	*14 830	9 710	-	-	-	-	*12 310	8 030	8.7 m
	-5 ft lb	-	-	-	-	*52,790	44,110	*40,660	28,510	*32,100	20,970	-	-	-	-	*27,160	17,750	28.5 ft
	-3 m kg	-	-	*27 060	*27 060	*22 120	20 820	*17 360	13 400	*13 500	9 880	-	-	-	-	*12 490	9 330	7.9 m
	-10 ft lb	-	-	*60,130	*60,130	*48,010	44,750	*37,550	28,890	*28,890	21,380	-	-	-	-	*27,540	20,710	25.7 ft
-4.5 m kg	-	-	-	-	*18 270	*18 270	*14 090	13 830	-	-	-	-	-	-	*12 200	*12 200	6.6 m	
-15 ft lb	-	-	-	-	*39,280	*39,280	*29,870	*29,870	-	-	-	-	-	-	*26,810	*26,810	21.3 ft	
Boom: 7.0 m (23' 0") Arm: 3.35 m (11' 0") Shoe: 900 mm (36") CWT: 8 450 kg (18,630 lb)	9.0 m kg	-	-	-	-	-	-	-	-	*10 020	*10 020	-	-	-	-	*10 080	*10 080	7.6 m
	30 ft lb	-	-	-	-	-	-	-	-	*22,090	*22,090	-	-	-	-	*22,320	*22,320	24.5 ft
	7.5 m kg	-	-	-	-	-	-	-	-	*9 760	*9 760	-	-	-	-	*9 470	8 770	8.7 m
	25 ft lb	-	-	-	-	-	-	-	-	*21,460	*21,460	-	-	-	-	*20,950	19,640	28.4 ft
	6 m kg	-	-	-	-	-	-	-	-	*10 360	*10 360	*9 900	8 270	-	-	*9 270	7 560	9.5 m
	20 ft lb	-	-	-	-	-	-	-	-	*22,610	*22,610	*21,800	17,750	-	-	*20,450	16,790	30.9 ft
	4.5 m kg	-	-	-	-	*17 590	*17 590	*13 440	*13 440	*11 430	10 720	*10 360	8 080	-	-	*9 340	8 660	9.9 m
	15 ft lb	-	-	-	-	*37,640	*37,640	*29,030	*29,030	*24,840	23,110	*22,640	17,400	-	-	*20,590	15,190	32.6 ft
	3 m kg	-	-	-	-	*22 320	21 450	*15 730	14 150	*12 680	10 270	*11 020	7 850	-	-	*9 670	6 500	10.2 m
	10 ft lb	-	-	-	-	*47,870	46,310	*33,950	30,560	*27,510	22,150	*24,000	16,920	-	-	*21,290	14,360	33.3 ft
	1.5 m kg	-	-	-	-	*15 350	*15 350	*17 590	13 480	*13 820	9 870	*11 660	7 630	-	-	9 790	6 400	10.2 m
	5 ft lb	-	-	-	-	*36,980	*36,980	*38,040	29,090	*29,960	21,310	25,230	16,450	-	-	21,580	14,110	33.3 ft
	0 m kg	-	-	-	-	*18 910	*18 910	*18 640	13 100	*14 580	9 610	11 540	7 470	-	-	10 040	6 540	9.9 m
	0 ft lb	-	-	-	-	*44,070	43,110	*40,370	28,240	*31,600	20,730	24,870	16,130	-	-	22,140	14,420	32.6 ft
	-1.5 m kg	-	-	*13 700	*13 700	*25 160	20 060	*18 790	12 970	*14 780	9 490	11 490	7 430	-	-	10 760	6 980	9.4 m
	-5 ft lb	-	-	*31,100	*31,100	*54,600	43,110	*40,740	27,950	*32,020	20,480	24,790	16,050	-	-	23,750	15,420	31.0 ft
	-3 m kg	-	-	*23 340	*23 340	*23 580	20 270	*18 020	13 040	*14 180	9 540	-	-	-	-	*11 610	7 900	8.7 m
	-10 ft lb	-	-	*52,860	*52,860	*51,130	43,570	*39,000	28,110	*30,600	20,610	-	-	-	-	*25,620	17,510	28.4 ft
-4.5 m kg	-	-	*27 470	*27 470	*20 660	*20 660	*15 940	13 320	*11 940	9 840	-	-	-	-	*11 790	9 770	7.5 m	
-15 ft lb	-	-	*59,350	*59,350	*44,560	44,550	*34,250	28,760	*26,320	21,690	-	-	-	-	*26,000	21,840	24.5 ft	
Boom: 7.0 m (23' 0") Arm: 3.9 m (12' 10") Shoe: 900 mm (36") CWT: 8 450 kg (18,630 lb)	9 m kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*8 060	*8 060	8.3 m
	30 ft lb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*17,900	*17,900	26.7 ft
	7.5 m kg	-	-	-	-	-	-	-	-	-	-	*9 070	8 490	-	-	*7 630	*7 630	9.3 m
	25 ft lb	-	-	-	-	-	-	-	-	-	-	*18,290	18,170	-	-	*16,870	*16,870	30.3 ft
	6 m kg	-	-	-	-	-	-	-	-	*9 620	*9 620	*9 230	8 390	-	-	*7 490	6 970	10.0 m
	20 ft lb	-	-	-	-	-	-	-	-	*20,990	*20,990	*20,270	18,050	-	-	*16,510	15,490	32.7 ft
	4.5 m kg	-	-	-	-	-	-	*12 430	*12 430	*10 750	*10 750	*9 800	8 180	-	-	*7 550	6 380	10.4 m
	15 ft lb	-	-	-	-	-	-	*26,870	*26,870	*23,360	*23,360	*21,410	17,610	-	-	*16,630	14,120	34.2 ft
	3 m kg	-	-	-	-	*20 560	*20 560	*14 830	14 400	*12 090	10 390	*10 550	7 910	*9 440	6 210	*7 800	6 060	10.7 m
	10 ft lb	-	-	-	-	*44,120	*44,120	*32,010	31,070	*26,220	22,410	*22,980	17,050	*20,810	13,690	*17,170	13,380	35.0 ft
	1.5 m kg	-	-	-	-	*20 860	20 690	*16 920	13 640	*13 350	9 950	*11 300	7 660	9 320	6 090	*8 260	5 960	10.7 m
	5 ft lb	-	-	-	-	*49,770	44,570	*36,590	29,430	*28,940	21,470	*24,570	16,510	20,550	13,430	*18,190	13,140	35.0 ft
	0 m kg	-	-	-	-	*20 810	20 100	*18 280	13 150	*14 280	9 630	11 540	7 470	-	-	*9 000	6 060	10.4 m
	0 ft lb	-	-	-	-	*48,290	4											

LIFTING CAPACITY EC480EL retractable undercarriage

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.

			1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Max. reach		
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Front	Side	Max.
Boom: 7.0 m (23' 0") Arm: 4.8 m (15' 9") Shoe: 900 mm (36") CWT: 8 450 kg (18,630 lb)	9 m	kg	-	-	-	-	-	-	-	-	-	-	*7 880	*7 880	-	-	*7 290	*7 290	9.2 m
	30 ft	lb	-	-	-	-	-	-	-	-	-	-	*17,370	*17,370	-	-	*16,170	*16,170	29.8 ft
	7.5 m	kg	-	-	-	-	-	-	-	-	-	-	*7 720	*7 720	-	-	*7 020	7 000	10.1 m
	25 ft	lb	-	-	-	-	-	-	-	-	-	-	*17,060	*17,060	-	-	*15,510	*15,510	33.0 ft
	6 m	kg	-	-	-	-	-	-	-	-	-	-	*8 080	*8 080	*8 090	6 500	*6 950	6 190	10.8 m
	20 ft	lb	-	-	-	-	-	-	-	-	-	-	*17,730	*17,730	*16,190	13,930	*15,320	13,750	35.2 ft
	4.5 m	kg	-	-	-	-	-	-	-	-	*9 440	*9 440	*8 760	8 270	*8 380	6 380	*7 040	5 690	11.2 m
	15 ft	lb	-	-	-	-	-	-	-	-	*20,530	*20,530	*19,130	17,790	*18,410	13,700	*15,520	12,600	36.7 ft
	3 m	kg	-	-	-	-	*17 390	*17 390	*13 050	*13 050	*10 870	10 520	*9 610	7 950	*8 850	6 210	*7 300	5 410	11.4 m
	10 ft	lb	-	-	-	-	*37,350	*37,350	*28,210	*28,210	*23,600	22,690	*20,940	17,130	*19,360	13,350	*16,080	11,950	37.3 ft
	1.5 m	kg	-	-	-	-	*21 700	21 140	*15 450	13 810	*12 310	10 000	*10 500	7 640	9 270	6 030	*7 740	5 300	11.4 m
	5 ft	lb	-	-	-	-	*46,790	45,550	*33,400	29,800	*26,690	21,560	*22,820	16,460	19,960	12,980	*17,040	11,700	37.3 ft
	0 m	kg	-	-	-	-	*24 290	20 090	*17 250	13 140	*13 490	9 580	*11 250	7 380	9 110	5 880	8 310	5 360	11.2 m
	0 ft	lb	-	-	-	-	*52,530	43,230	*37,360	28,330	*29,270	20,650	*24,440	15,900	19,630	12,670	18,330	11,830	36.7 ft
	-1.5 m	kg	*9 300	*9 300	*13 830	*13 830	*25 250	19 650	*18 260	12 760	*14 250	9 300	11 270	7 200	9 030	5 800	8 730	5 610	10.8 m
	-5 ft	lb	*20,760	*20,760	*31,210	*31,210	*54,700	42,260	*39,570	27,500	*30,900	20,060	24,280	15,530	19,470	12,520	19,270	12,400	35.3 ft
	-3 m	kg	*14 260	*14 260	*19 340	*19 340	*24 960	19 590	*18 420	12 630	*14 430	9 190	11 210	7 150	-	-	9 560	6 140	10.1 m
	-10 ft	lb	*31,910	*31,910	*43,650	*43,650	*54,080	42,120	*39,910	27,210	*31,250	19,820	24,160	15,420	-	-	21,150	13,590	33.0 ft
	-4.5 m	kg	*19 970	*19 970	*26 530	*26 530	*23 480	19 810	*17 630	12 710	*13 820	9 250	*10 870	7 250	-	-	*10 600	7 120	9.9 m
	-15 ft	lb	*44,860	*44,860	*60,120	*60,120	*50,760	42,590	*38,100	27,400	*29,780	19,970	*23,960	15,980	-	-	*23,430	15,850	29.8 ft
-6 m	kg	-	-	-	-	*28 670	28 670	*20 450	20 290	*15 490	13 020	*11 730	9 540	-	-	*11 050	9 110	7.8 m	
-20 ft	lb	-	-	-	*61,480	*61,480	*43,870	43,680	*33,120	28,120	*24,670	20,680	-	-	-	*24,410	20,530	25.1 ft	
Boom: 7.0 m (23' 0") Arm: 2.55 m (8' 4") Shoe: 900 mm (36") CWT: 9 050 kg (19,960 lb)	9 m	kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*11 710	*11 710	6.6 m
	30 ft	lb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*25,990	*25,990	21.3 ft
	7.5 m	kg	-	-	-	-	-	-	-	-	*11 170	*11 170	-	-	-	-	*11 270	10 550	7.9 m
	25 ft	lb	-	-	-	-	-	-	-	-	*24,710	*24,710	-	-	-	-	*24,890	23,680	25.6 ft
	6 m	kg	-	-	-	-	-	-	*12 920	*12 920	*11 540	11 360	-	-	-	-	*11 180	8 900	8.7 m
	20 ft	lb	-	-	-	-	-	-	*27,980	*27,980	*25,200	24,470	-	-	-	-	*24,660	19,800	28.5 ft
	4.5 m	kg	-	-	-	-	*19 960	*19 960	*14 950	*14 950	*12 500	11 000	*11 320	8 350	-	-	*11 260	8 020	9.2 m
	15 ft	lb	-	-	-	-	*44,000	*44,000	*32,270	*32,270	*27,150	23,740	*24,840	17,960	-	-	*24,820	17,750	30.2 ft
	3 m	kg	-	-	-	-	-	-	*17 080	14 480	*13 610	10 610	*11 790	8 180	-	-	11 420	7 580	9.5 m
	10 ft	lb	-	-	-	-	-	-	*36,860	31,280	*29,520	22,910	*25,710	17,630	-	-	25,200	16,740	31.1 ft
	1.5 m	kg	-	-	-	-	-	-	*18 570	13 960	*14 540	10 300	12 160	8 020	-	-	11 310	7 480	9.5 m
	5 ft	lb	-	-	-	-	-	-	*40,150	30,140	*31,520	22,230	26,210	17,300	-	-	24,930	16,490	31.1 ft
	0 m	kg	-	-	-	-	*14 970	*14 970	*19 110	13 730	*15 020	10 110	12 070	7 940	-	-	11 690	7 700	9.2 m
	0 ft	lb	-	-	-	-	*33,010	*33,010	*41,420	29,610	*32,550	21,830	26,040	17,150	-	-	25,770	16,990	30.2 ft
	-1.5 m	kg	-	-	-	-	*24 260	21 280	*18 750	13 720	*14 830	10 080	-	-	-	-	*12 310	8 340	8.7 m
	-5 ft	lb	-	-	-	-	*52,790	45,720	*40,660	29,570	*32,100	21,770	-	-	-	-	*27,160	18,430	28.5 ft
	-3 m	kg	-	-	*27 060	*27 060	*22 120	21 560	*17 360	13 890	*13 500	10 250	-	-	-	-	*12 490	9 680	7.9 m
	-10 ft	lb	-	-	*60,130	*60,130	*48,010	46,360	*37,550	29,960	*28,890	22,180	-	-	-	-	*27,540	21,480	25.7 ft
	-4.5 m	kg	-	-	-	-	*18 270	*18 270	*14 090	*14 090	-	-	-	-	-	-	*12 200	12 200	6.6 m
	-15 ft	lb	-	-	-	-	*39,280	*39,280	*29,870	*29,870	-	-	-	-	-	-	*26,810	*26,810	21.3 ft
Boom: 7.0 m (23' 0") Arm: 3.35 m (11' 0") Shoe: 900 mm (36") CWT: 9 050 kg (19,960 lb)	9 m	kg	-	-	-	-	-	-	-	-	*10 020	*10 020	-	-	-	-	*10 080	*10 080	7.6 m
	30 ft	lb	-	-	-	-	-	-	-	-	*22,090	*22,090	-	-	-	-	*22,320	*22,320	24.5 ft
	7.5 m	kg	-	-	-	-	-	-	-	-	*9 760	*9 760	-	-	-	-	*9 470	9 080	8.7 m
	25 ft	lb	-	-	-	-	-	-	-	-	*21,460	*21,460	-	-	-	-	*20,950	20,320	28.4 ft
	6 m	kg	-	-	-	-	-	-	-	-	*10 360	*10 360	*9 900	8 560	-	-	*9 270	7 830	9.5 m
	20 ft	lb	-	-	-	-	-	-	-	-	*22,610	*22,610	*21,800	18,390	-	-	*20,450	17,410	30.9 ft
	4.5 m	kg	-	-	-	-	*17 590	*17 590	*13 440	*13 440	*11 430	11 090	*10 360	8 380	-	-	*9 340	7 130	9.9 m
	15 ft	lb	-	-	-	-	*37,640	*37,640	*29,030	*29,030	*24,840	23,910	*22,640	18,040	-	-	*20,590	15,770	32.6 ft
	3 m	kg	-	-	-	-	*22 320	22 190	*15 730	14 650	*12 680	10 640	*11 020	8 140	-	-	*9 670	6 760	10.2 m
	10 ft	lb	-	-	-	-	*47,870	*47,870	*33,950	31,620	*27,510	22,950	*24,000	17,550	-	-	*21,290	14,920	33.3 ft
	1.5 m	kg	-	-	-	-	*15 350	*15 350	*17 590	13 970	*13 820	10 240	*11 660	7 920	-	-	10 100	6 650	10.2 m
	5 ft	lb	-	-	-	-	*36,980	*36,980	*38,040	30,160	*29,960	22,110	*25,340	17,090	-	-	22,270	14,670	33.3 ft
	0 m	kg	-	-	-	-	*18 910	*18 910	*18 640	13 590	*14 580	9 980	*11 910	7 770	-	-	10 360	6 800	9.9 m
	0 ft	lb	-	-	-	-	*44,070	*44,070	*40,370	29,310	*31,600	21,530	25,660	16,770	-	-	22,850	15,000	32.6 ft
	-1.5 m	kg	-	-	*13 700	*13 700	*25 160	20 800	*18 790	13 460	*14 780	9 860	11 860	7 720	-	-	11 100	7 260	9.4 m
	-5 ft	lb	-	-	*31,100	*31,100	*54,600	44,710	*40,740	29,010	*32,020	21,280	25,580	16,690	-	-	24,510	16,040	31.0 ft
	-3 m	kg	-	-	*23 340	*23 340	*23 580	21 010	*18 020	13 530	*14 180	9 910	-	-	-	-	*11 610	8 210	8.7 m
	-10 ft	lb	-	-	*52,860	*52,860	*51,130	45,180	*39,000	29,180	*30,600	21,410	-	-	-	-	*25,620	18,190	28.4 ft
	-4.5 m	kg	-	-	*27 470	*27 470	*20 660	*20 660	*15 940	13 820	*11 940	10 210	-	-	-	-	*11 790	10 140	7.5 m
	-15 ft	lb	-	-	*59,350	*59,350	*44,560	*44,560	*34,250	29,830	*26,320	22,510	-	-	-	-	*26,000	22,660	24.5 ft

Specifications.

LIFTING CAPACITY EC480EL retractable undercarriage

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

		Lifting hook related to ground level	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Max. reach				
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Front	Side	Max.		
Boom: 7.0 m (23' 0") Arm: 4.8 m (15' 9") Shoe: 900 mm (36") CWT: 9 050 kg (19,960 lb)	9 m	kg	-	-	-	-	-	-	-	-	-	-	*7 880	*7 880	-	-	*7 290	*7 290	9.2 m		
	30 ft	lb	-	-	-	-	-	-	-	-	-	-	*17,370	*17,370	-	-	*16,170	*16,170	29.8 ft		
	7.5 m	kg	-	-	-	-	-	-	-	-	-	-	*7 720	*7 720	-	-	*7 020	*7 020	10.1 m		
	25 ft	lb	-	-	-	-	-	-	-	-	-	-	*17,060	*17,060	-	-	*15,510	*15,510	33.0 ft		
	6 m	kg	-	-	-	-	-	-	-	-	-	-	*8 080	*8 080	-	-	*6 950	*6 430	10.8 m		
	20 ft	lb	-	-	-	-	-	-	-	-	-	-	*17,730	*17,730	*8 090	6 750	*15,320	14,280	35.2 ft		
	4.5 m	kg	-	-	-	-	-	-	-	-	*9 440	*9 440	*8 760	8 560	*8 380	6 630	*7 040	5 920	11.2 m		
	15 ft	lb	-	-	-	-	-	-	-	-	*20,530	*20,530	*19,130	18,430	*18,410	14,230	*15,520	13,100	36.7 ft		
	3 m	kg	-	-	-	-	-	*17 390	*17 390	*13 050	*13 050	*10 870	*10 870	*9 610	8 250	*8 850	6 450	*7 300	5 630	11.4 m	
	10 ft	lb	-	-	-	-	-	*37,350	*37,350	*28,210	*28,210	*23,600	23,490	*20,940	17,760	*19,360	13,880	*16,080	12,440	37.3 ft	
	1.5 m	kg	-	-	-	-	-	*21 700	*21 700	*15 450	14 310	*12 310	10 370	*10 500	7 930	*9 360	6 280	*7 740	5 530	11.4 m	
	5 ft	lb	-	-	-	-	-	*46,790	*46,790	*33,400	30,860	*26,690	22,360	*22,820	17,100	*20,410	13,510	*17,040	12,190	37.3 ft	
	0 m	kg	-	-	-	-	-	*24 290	20 840	*17 250	13 640	*13 490	9 950	*11 250	7 670	9 410	6 130	*8 420	5 590	11.2 m	
	0 ft	lb	-	-	-	-	-	*52,530	44,840	*37,360	29,400	*29,270	21,450	*24,440	16,540	20,280	13,200	*18,550	12,330	36.7 ft	
	-1.5 m	kg	*9 300	*9 300	*13 830	*13 830	*25 250	20 400	*18 260	13 250	*14 250	9 670	11 640	7 500	9 330	6 050	9 020	5 850	10.8 m		
	-5 ft	lb	*20,760	*20,760	*31,210	*31,210	*54,700	43,860	*39,570	28,560	*30,900	20,860	25,070	16,170	20,110	13,050	19,920	12,920	35.3 ft		
	-3 m	kg	*14 260	*14 260	*19 340	*19 340	*24 960	20 340	*18 420	13 120	*14 430	9 560	11 570	7 440	-	-	9 870	6 400	10.1 m		
	-10 ft	lb	*31,910	*31,910	*43,650	*43,650	*54,080	43,720	*39,910	28,270	*31,250	20,620	24,950	16,060	-	-	21,850	14,160	33.0 ft		
	-4.5 m	kg	*19 970	*19 970	*26 530	*26 530	*23 480	20 550	*17 630	13 200	*13 820	9 620	*10 870	7 550	-	-	*10 600	7 410	9.1 m		
	-15 ft	lb	*44,860	*44,860	*60,120	*60,120	*50,760	44,200	*38,100	28,470	*29,780	20,770	*23,960	16,640	-	-	*23,430	16,490	29.8 ft		
-6 m	kg	-	-	-	-	-	*28 670	*28 670	*20 450	*15 490	13 510	*11 730	9 910	-	-	*11 050	9 470	7.8 m			
-20 ft	lb	-	-	-	-	-	*61,480	*61,480	*43,870	*43,870	*33,120	29,190	*24,670	21,480	-	-	*24,410	21,320	25.1 ft		
Boom: 7.0 m (23' 0") Arm: 2.55 m (8' 4") Shoe: 900 mm (36") CWT: 9 750 kg (21,500 lb)	9 m	kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*11 710	*11 710	6.6 m		
	30 ft	lb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*25,990	*25,990	21.3 ft		
	7.5 m	kg	-	-	-	-	-	-	-	-	*11 170	*11 170	-	-	-	-	*11 270	10 990	7.9 m		
	25 ft	lb	-	-	-	-	-	-	-	-	*24,710	*24,710	-	-	-	-	*24,890	24,660	25.6 ft		
	6 m	kg	-	-	-	-	-	-	-	*12 920	*12 920	*11 540	*11 540	-	-	-	*11 180	9 290	8.7 m		
	20 ft	lb	-	-	-	-	-	-	-	*27,980	*27,980	*25,200	*25,200	-	-	-	*24,660	20,660	28.5 ft		
	4.5 m	kg	-	-	-	-	-	*19 960	*19 960	*14 950	*14 950	*12 500	11 470	-	-	-	*11 260	8 380	9.2 m		
	15 ft	lb	-	-	-	-	-	*44,000	*44,000	*32,270	*32,270	*27,150	24,760	*24,840	18,780	-	*24,820	18,560	30.2 ft		
	3 m	kg	-	-	-	-	-	-	-	*17 080	15 110	*13 610	11 080	*11 790	8 550	-	*11 450	7 940	9.5 m		
	10 ft	lb	-	-	-	-	-	-	-	*36,860	32,640	*29,520	23,930	*25,710	18,440	-	*25,240	17,520	31.1 ft		
	1.5 m	kg	-	-	-	-	-	-	-	*18 570	14 590	*14 540	10 770	*12 230	8 390	-	*11 710	7 830	9.5 m		
	5 ft	lb	-	-	-	-	-	-	-	*40,150	31,490	*31,520	23,250	*26,590	18,110	-	*25,810	17,270	31.1 ft		
	0 m	kg	-	-	-	-	-	*14 970	*14 970	*19 110	14 360	*15 020	10 580	*12 360	8 310	-	*12 010	8 070	9.2 m		
	0 ft	lb	-	-	-	-	-	*33,010	*33,010	*41,420	30,970	*32,550	22,850	*26,740	17,960	-	*26,490	17,790	30.2 ft		
	-1.5 m	kg	-	-	-	-	-	*24 260	22 220	*18 750	14 350	*14 830	10 550	-	-	-	*12 310	8 730	8.7 m		
	-5 ft	lb	-	-	-	-	-	*52,790	47,750	*40,660	30,930	*32,100	22,790	-	-	-	*27,160	19,290	28.5 ft		
	-3 m	kg	-	-	-	-	-	*27 060	*27 060	*22 120	*22 120	*17 360	14 520	*13 500	10 720	-	*12 490	10 120	7.9 m		
	-10 ft	lb	-	-	-	-	-	*60,130	*60,130	*48,010	*48,010	*37,550	31,320	*28,890	23,190	-	*27,540	22,470	25.7 ft		
	-4.5 m	kg	-	-	-	-	-	*18 270	*18 270	*14 090	*14 090	-	-	-	-	-	*12 200	*12 200	6.6 m		
	-15 ft	lb	-	-	-	-	-	*39,280	*39,280	*29,870	*29,870	-	-	-	-	-	*26,810	*26,810	21.3 ft		
Boom: 7.0 m (23' 0") Arm: 3.35 m (11' 0") Shoe: 900 mm (36") CWT: 9 750 kg (21,500 lb)	9 m	kg	-	-	-	-	-	-	-	-	-	*10 020	*10 020	-	-	-	*10 080	*10 080	7.6 m		
	30 ft	lb	-	-	-	-	-	-	-	-	-	*22,090	*22,090	-	-	-	*22,320	*22,320	24.5 ft		
	7.5 m	kg	-	-	-	-	-	-	-	-	-	*9 760	*9 760	-	-	-	*9 470	9 470	8.7 m		
	25 ft	lb	-	-	-	-	-	-	-	-	-	*21,460	*21,460	-	-	-	*20,950	*20,950	28.4 ft		
	6 m	kg	-	-	-	-	-	-	-	-	-	*10 360	*10 360	*9 900	8 940	-	*9 270	8 190	9.5 m		
	20 ft	lb	-	-	-	-	-	-	-	-	-	*22,610	*22,610	*21,800	19,200	-	*20,450	18,190	30.9 ft		
	4.5 m	kg	-	-	-	-	-	*17 590	*17 590	*13 440	*13 440	*11 430	*11 430	*10 360	8 750	-	*9 340	7 460	9.9 m		
	15 ft	lb	-	-	-	-	-	*37,640	*37,640	*29,030	*29,030	*24,840	*24,840	*22,640	18,850	-	*20,590	16,510	32.6 ft		
	3 m	kg	-	-	-	-	-	*22 320	*22 320	*15 730	15 270	*12 680	11 110	*11 020	8 520	-	*9 670	7 080	10.2 m		
	10 ft	lb	-	-	-	-	-	*47,870	*47,870	*33,950	32,980	*27,510	23,970	*24,000	18,370	-	*21,290	15,640	33.3 ft		
	1.5 m	kg	-	-	-	-	-	*15 350	*15 350	*17 590	14 600	*13 820	10 710	*11 660	8 300	-	*10 280	6 980	10.2 m		
	5 ft	lb	-	-	-	-	-	*36,980	*36,980	*38,040	31,510	*29,960	23,120	*25,340	17,900	-	*22,630	15,390	33.3 ft		
	0 m	kg	-	-	-	-	-	*18 910	*18 910	*18 640	14 220	*14 580	10 450	*12 070	8 150	-	*10 770	7 140	9.9 m		
	0 ft	lb	-	-	-	-	-	*44,070	*44,070	*40,370	30,660	*31,600	22,540	*26,200	17,580	-	*23,750	15,740	32.6 ft		
	-1.5 m	kg	-	-	-	-	-	*13 700	*13 700	*25 160	21 750	*18 790	14 090	*14 780	10 330	*12 030	8 100	-	*11 270	7 620	9.4 m
	-5 ft	lb	-	-	-	-	-	*31,100	*31,100	*54,600	46,750	*40,740	30,370	*32,020	22,300	*25,980	17,500	-	*24,860	16,820	31.0 ft
	-3 m	kg	-	-	-	-	-	*23 340	*23 340	*23 580	21 960	*18 020	14 160	*14 180	10 380	-	*11 610	8 600	8.7 m		
	-10 ft	lb	-	-	-	-	-	*52,860	*52,860	*51,130	47,220	*39,000	30,530	*30,600	22,420	-	*25,620	19,060	28.4 ft		
	-4.5 m	kg	-	-	-	-	-	*27 470	*27 470	*20 660	*20 660	*15 940	14 450	*11 940	10 680	-	*11 790	10 600	7.5 m		
	-15 ft	lb	-	-	-	-	-	*59,350	*59,350	*44,560	*44,560	*34,250	31,190	*26,320	23,540	-	*26,000	23,700	24.5 ft		
Boom: 7.0 m (23' 0") Arm: 3.9 m (12' 10") Shoe: 900 mm (36") CWT: 9 750 kg (21,500 lb)	9 m	kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*8 060	*8 060	8.3 m		
	30 ft	lb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*17,900	*17,900	26.7 ft		
	7.5 m	kg	-	-	-	-	-	-	-	-	-	-	*9 070	*9 070	-	-	*7 630	*7 630	9.3 m		
	25 ft	lb	-	-	-	-	-	-	-	-	-	-	*18,290	*18,290	-	-	*16,870	*16,870	30.3 ft</		

LIFTING CAPACITY EC480EL retractable undercarriage

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Max. reach		
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Front	Side	Max.
Boom: 7.0 m (23' 0")	9 m kg	-	-	-	-	-	-	-	-	-	-	*7 880	*7 880	-	-	*7 290	*7 290	9.2 m
	30 ft lb	-	-	-	-	-	-	-	-	-	-	*17,370	*17,370	-	-	*16,170	*16,170	29.8 ft
Arm: 4.8 m (15' 9")	7.5 m kg	-	-	-	-	-	-	-	-	-	-	*7 720	*7 720	-	-	*7 020	*7 020	10.1 m
	25 ft lb	-	-	-	-	-	-	-	-	-	-	*17,060	*17,060	-	-	*15,510	*15,510	33.0 ft
Shoe: 900 mm (36")	6 m kg	-	-	-	-	-	-	-	-	-	-	*8 080	*8 080	*8 090	7 060	*6 950	6 730	10.8 m
	20 ft lb	-	-	-	-	-	-	-	-	-	-	*17,730	*17,730	*16,190	15,140	*15,320	14,950	35.2 ft
CWT: 9 750 kg (21,500 lb)	4.5 m kg	-	-	-	-	-	-	-	-	*9 440	*9 440	*8 760	*8 760	*8 380	6 940	*7 040	6 210	11.2 m
	15 ft lb	-	-	-	-	-	-	-	-	*20,530	*20,530	*19,130	*19,130	*18,410	14,910	*15,520	13,740	36.7 ft
	3 m kg	-	-	-	-	*17 390	*17 390	*13 050	*13 050	*10 870	*10 870	*9 610	8 620	*8 850	6 770	*7 300	5 920	11.4 m
	10 ft lb	-	-	-	-	*37,350	*37,350	*28,210	*28,210	*23,600	*23,600	*20,940	18,580	*19,360	14,560	*16,080	13,070	37.3 ft
	1.5 m kg	-	-	-	-	*21 700	*21 700	*15 450	14 940	*12 310	10 840	*10 500	8 310	*9 360	6 590	*7 740	5 810	11.4 m
	5 ft lb	-	-	-	-	*46,790	*46,790	*33,400	32,220	*26,690	23,370	*22,820	17,910	*20,410	14,180	*17,040	12,820	37.3 ft
	0 m kg	-	-	-	-	*24 290	21 780	*17 250	14 270	*13 490	10 420	*11 250	8 050	*9 780	6 440	*8 420	5 880	11.2 m
	0 ft lb	-	-	-	-	*52,530	46,870	*37,360	30,750	*29,270	22,460	*24,440	17,350	*21,090	13,880	*18,550	12,970	36.7 ft
	-1.5 m kg	*9 300	*9 300	*13 830	*13 830	*25 250	21 350	*18 260	13 880	*14 250	10 140	*11 720	7 870	9 700	6 360	9 390	6 160	10.8 m
	-5 ft lb	*20,760	*20,760	*31,210	*31,210	*54,700	45,900	*39,570	29,920	*30,900	21,870	*25,440	16,980	20,930	13,730	*20,720	13,590	35.3 ft
	-3 m kg	*14 260	*14 260	*19 340	*19 340	*24 960	21 290	*18 420	13 750	*14 430	10 030	*11 740	7 820	-	-	*10 110	6 720	10.1 m
	-10 ft lb	*31,910	*31,910	*43,650	*43,650	*54,080	45,760	*39,910	29,630	*31,250	21,640	*25,370	16,870	-	-	*22,330	14,880	33.0 ft
	-4.5 m kg	*19 970	*19 970	*26 530	*26 530	*23 480	21 500	*17 630	13 830	*13 820	10 090	*10 870	7 920	-	-	*10 600	7 780	9.1 m
	-15 ft lb	*44,860	*44,860	*60,120	*60,120	*50,760	46,230	*38,100	29,820	*29,780	21,790	*23,960	17,460	-	-	*23,430	17,310	29.8 ft
	-6 m kg	-	-	*28 670	*28 670	*20 450	*20 450	*15 490	14 140	*11 730	10 380	-	-	-	-	*11 050	9 920	7.8 m
	-20 ft lb	-	-	*61,480	*61,480	*43,870	*43,870	*33,120	30,540	*24,670	22,500	-	-	-	-	*24,410	22,330	25.1 ft
	Lifting hook related to ground level	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)				
		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			
Boom: LR 9.0 m (29' 6")	6 m kg	-	-	-	-	-	-	-	-	-	-	-	-	*5 710	*5 710			
	20 ft lb	-	-	-	-	-	-	-	-	-	-	-	-	*12,580	*12,580			
Arm: LR 6.0 m (19' 8")	4.5 m kg	-	-	-	-	-	-	-	-	-	-	-	-	*6 330	*6 330			
	15 ft lb	-	-	-	-	-	-	-	-	-	-	-	-	*13,790	*13,790			
Shoe: 900 mm (36")	3 m kg	-	-	-	-	-	-	*11 700	*11 700	*9 250	*9 250	*7 850	*7 850	*6 970	6 630			
	10 ft lb	-	-	-	-	-	-	*25,180	*25,180	*19,990	*19,990	*17,030	*17,030	*15,170	14,290			
CWT: LR 10 300 kg (22,710 lb)	1.5 m kg	-	-	-	-	-	-	*13 920	13 770	*10 660	10 180	*8 790	7 900	*7 630	6 320			
	5 ft lb	-	-	-	-	-	-	*30,010	29,760	*23,050	21,980	*19,060	17,040	*16,570	13,610			
	0 m kg	-	-	-	-	-	-	*15 550	12 950	*11 830	9 600	*9 630	7 500	*8 220	6 040			
	0 ft lb	-	-	-	-	-	-	*33,600	27,950	*25,610	20,730	*20,880	16,180	*17,860	13,020			
	-1.5 m kg	-	-	-	-	*8 730	*8 730	*16 540	12 490	*12 680	9 220	*10 290	7 210	*8 720	5 830			
	-5 ft lb	-	-	-	-	*19,980	*19,980	*35,810	26,940	*27,480	19,890	*22,320	15,560	*18,920	12,570			
	-3 m kg	*5 880	*5 880	*7 550	*7 550	*11 580	*11 580	*16 990	12 300	*13 190	9 010	*10 730	7 030	9 020	5 700			
	-10 ft lb	*13,210	*13,210	*17,070	*17,070	*26,400	*26,400	*36,820	26,510	*28,580	19,440	*23,260	15,170	*19,450	12,300			
	-4.5 m kg	*8 900	*8 900	*10 880	*10 880	*15 270	*15 270	*16 970	12 290	*13 330	8 950	*10 890	6 970	8 970	5 650			
	-15 ft lb	*19,990	*19,990	*24,580	*24,580	*34,790	*34,790	*36,770	26,490	*28,890	19,300	*23,600	15,040	19,360	12,210			
	-6 m kg	*12 240	*12 240	*14 790	*14 790	*20 080	19 470	*16 480	12 430	*13 080	9 020	*10 730	7 010	*8 970	5 710			
	-20 ft lb	*27,570	*27,570	*33,500	*33,500	*45,890	41,890	*35,650	26,810	*28,300	19,460	*23,180	15,150	*19,330	12,350			
	-7.5 m kg	*16 230	*16 230	*19 730	*19 730	*20 040	19 960	*15 400	12 720	*12 320	9 220	*10 070	7 180	*8 170	5 910			
	-25 ft lb	*36,680	*36,680	*44,880	*44,880	*43,200	42,980	*33,190	27,470	*26,520	19,930	*21,590	15,560	*17,270	12,850			
	-9 m kg	-	-	*23 880	*23 880	*17 300	*17 300	*13 460	13 200	*10 730	9 600	*8 400	7 560	-	-			
	-30 ft lb	-	-	*50,840	*50,840	*36,910	*36,910	*28,680	28,560	*22,740	20,820	*17,350	16,510	-	-			
	Lifting hook related to ground level	12.0 m (40 ft)		13.5 m (45 ft)		Max. reach												
		Along UC	Across UC	Along UC	Across UC	Front	Side	Max.										
	12 m kg	-	-	-	-	*5 090	*5 090	11.2 m										
	40 ft lb	-	-	-	-	*11,360	*11,360	36.1 ft										
	10.5 m kg	*5 370	*5 370	-	-	*4 750	*4 750	12.3 m										
	35 ft lb	*10,880	*10,880	-	-	*10,530	*10,530	40.1 ft										
	9 m kg	*5 210	*5 210	-	-	*4 530	*4 530	13.2 m										
	30 ft lb	*11,570	*11,570	-	-	*10,030	*10,030	43.2 ft										
	7.5 m kg	*5 320	*5 320	*5 460	4 680	*4 420	4 370	13.9 m										
	25 ft lb	*11,720	*11,720	*11,160	9,960	*9,750	9,720	45.4 ft										
	6 m kg	*5 590	*5 590	*5 550	4 620	*4 370	4 040	14.4 m										
	20 ft lb	*12,250	*12,250	*12,240	9,890	*9,630	8,950	47.1 ft										
	4.5 m kg	*5 960	5 580	*5 760	4 520	*4 380	3 810	14.7 m										
	15 ft lb	*13,030	11,990	*12,640	9,680	*9,650	8,430	48.2 ft										
	3 m kg	*6 400	5 360	*6 030	4 390	*4 450	3 670	14.8 m										
	10 ft lb	*13,960	11,530	*13,210	9,410	*9,800	8,100	48.7 ft										
	1.5 m kg	*6 850	5 150	*6 330	4 250	*4 580	3 610	14.8 m										
	5 ft lb	*14,920	11,080	*13,830	9,140	*10,090	7,960	48.7 ft										
	0 m kg	*7 280	4 960	6 490	4 140	*4 780	3 620	14.7 m										
	0 ft lb	*15,830	10,690	13,980	8,900	*10,550	7,980	48.2 ft										
	-1.5 m kg	7 580	4 820	6 400	4 060	*5 080	3 710	14.4 m										
	-5 ft lb	16,340	10,390	13,810	8,740	*11,200	8,190	47.1 ft										
	-3 m kg	7 490	4 740	6 380	4 030	*5 500	3 900	13.9 m										
	-10 ft lb	16,160	10,220	13,790	8,720	*12,140	8,610	45.5 ft										
	-4.5 m kg	7 480	4 730	-	-	*6 090	4 210	13.2 m										
	-15 ft lb	16,160	10,220	-	-	*13,490	9,330	43.2 ft										
	-6 m kg	*7 440	4 840	-	-	*6 970	4 720	12.3 m										
	-20 ft lb	*15,780	10,530	-	-	*15,540	10,500	40.1 ft										
	-7.5 m kg	-	-	-	-	*7 280	5 550	11.1 m										
	-25 ft lb	-	-	-	-	*16,080	12,430	36.2 ft										
	-9 m kg	-	-	-	-	*7 360	7 060	9.6 m										
	-30 ft lb	-	-	-	-	*16,230	16,020	30.9 ft										

Equipment.

STANDARD EQUIPMENT

Engine

Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets Tier 4f EU (Stage IV) requirements

Air filter with indicator

Air intake heater

Cyclone pre-cleaner

Electric engine shut-off

Fuel filter and water separator

Alternator, 80 A

Electric/Electronic control system

Contronics

Advanced mode control system

Self-diagnostic system

Machine status indication

Engine speed sensing power control

Automatic idling system

One-touch power boost

Safety stop/start function

Adjustable 8 inch LCD color monitor

Master electrical disconnect switch

Engine restart prevention circuit

High-capacity halogen lights:

Frame-mounted 2

Boom-mounted 2

Batteries, 2 x 12 V / 200 Ah

Start motor, 24 V / 7 kW

Travel alarm

Hydraulic system

Boom float without hose rupture valves

Overload warning device

Automatic sensing hydraulic system

2-pump flow bucket circuit

Summation system

Boom priority

Arm priority

Swing priority

Boom, arm and bucket regeneration valves

Swing anti-rebound valves

Boom and arm holding valves

Multi-stage filtering system

Cylinder cushioning

Cylinder contamination seals

Auxiliary hydraulic valve

Automatic two-speed travel motors

Hydraulic oil, longlife oil 46

Frame

Access way with handrail

Tool storage area

Punched metal anti-slip plates

Undercover (heavy-duty)

Cab and interior

ROPS (ISO12117-2) certified cab

Silicon oil and rubber mounts with spring

Travel pedals and hand levers

Adjustable operator seat and joystick control console

Control joysticks with 4 switches each

Pilot control pattern change

Heater & air-conditioner, automatic

Flexible antenna

AM/FM stereo with MP3, USB and bluetooth input

Hydraulic safety lock lever

Opening top hatch

Cab, all-weather sound suppressed, includes:

Cup holders

Door locks

Tinted glass

Floor mat

Horn

Large storage area

Pull-up type front window

Removable lower windshield

Seat belt

Safety glass

Sun screens, front, roof, rear

Rain shield

Windshield wiper with intermittent feature

Rear view camera

Master key

Undercarriage

Undercover (heavy-duty)

Hydraulic track adjusters

Greased and sealed track link

Track Guard

Track shoes

900 mm (36") with triple grousers

Digging equipment

Boom: 7.0 m (23' 0") HD

Arm: 3.35 m (11' 0") HD

Manual centralized lubrication

OPTIONAL EQUIPMENT

Engine

Block heater: 120 V

Oil bath pre-cleaner

Diesel coolant heater, 10 kW

Water separator with heater

Auto engine shutdown

Fuel filler pump: 50 l/min (13.2 gal/min), with automatic shut-off

Electric

Extra work lights: Halogen or LED

Cab-mounted 3

Boom-mounted 2

Counterweight-mounted 1

Anti-theft system

Rotating warning beacon

OPTIONAL EQUIPMENT

Hydraulic system

Hose rupture valve: boom
Hose rupture valve: arm
Boom float function with hose rupture valves

Hydraulic piping:

Work tool management system
(up to 20 programmable memories)
Hammer & shear, 1 or 2 pump flow
Hammer & shear:

variable flow and pressure pre-setting

Additional return filter

Slope & rotator

Grapple

Oil leak (drain) line

Quick coupler piping

Volvo hydraulic quick coupler S3

Volvo hydraulic quick coupler VQC-HU, DR48

Hydraulic oil, ISO VG 32

Hydraulic oil, ISO VG 46

Hydraulic oil, ISO VG 68

Hydraulic oil, biodegradable 46

Hydraulic oil, longlife oil 32

Hydraulic oil, longlife oil 46

Hydraulic oil, longlife oil 68

Frame

Hydraulic removable counterweight

Full height counterweight: 8 450 kg (18,630 lb), 9 050 kg (19,960 lb),
9 750 kg (21,500 lb), 10 300 kg (22,710 lb for LR)

Cab and interior

Fabric seat with heater

Fabric seat with heater and air suspension

Falling object guard (FOG)

Frame-mounted

Cab-mounted

Cab-mounted falling object protective structure (FOPS)

Smoker kit (ashtray and lighter)

Safety net for front window

Lower wiper with intermittent control

Side view camera

Anti-vandalism kit

Undercarriage

Full track guard

Mechanically retractable width track gauge

Track shoes

Track shoes 600/700/800/900 mm (24"/28"/32"/36")
with triple grousers

Track shoes 600 mm (24") HD with triple grousers

Track shoes 600 mm (24") with double grousers

Digging equipment

Boom: 6.5 m (21' 4") ME, 9.0 m (30' 0" for LR)

Arm: 2.55 m, 3.0 m, 3.35 m, 3.9 m, 4.8 m, 6.0 m (8' 4", 9' 10",
11' 0", 12' 10", 15' 9", 19' 8" for LR)

Linkage with lifting eye

Service

Tool kit, daily maintenance

Tool kit, full scale

Automatic lubrication system

Cleaner kit, air blow gun

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Auxiliary hydraulics Breaker/Shear Tilt / Rotator



Side-view camera



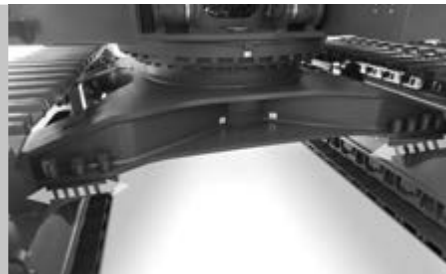
LED Lights



Air compressor



Retractable undercarriage



Removable counterweight





VOLVO

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