BID SUBMITTAL FORM Alabama County Joint Bid Program

Heavy Equipment – Bid Item: Track Mount Excavator - Option A-2

Company Name: _	Cowin Equipment Cor	npany Inc		
Address:	1325 Northern Boulevard			
	Montgomery Al 36110			
Bid Submitted by: _	John Edwards		101 10 10 10 10 10 10 10 10 10 10 10 10	
→ \ 98-	(Name o	of company represer	ntative)	
Title:Governm	ental Sales Manager	E-mail address: _	jedwards@cowin.co	m
Phone:850-68	5-7055	Fax:	334-834-2272	
By submitting this b	oid, we agree:			Initials
The equipment m	nodel number identified below me	ets the bid specs fo	r this bid item	SE
That the bid price December 31, 20	e will be honored for all counties f 023.	or the period from J	anuary 1, 2023 to	<u>JE</u>
The equipment will be delivered at the bid price to all counties participating in the joint bid program.				
The company acknowledges the freight preparation and delivery price is to be included in the total bid price for the standard machine.				
The company representative listed above will be the contact person for purchasing this bid item under the joint bid program.				
The bid is accompanied by a current catalog or model specification document for the model number identified below.				
The bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications.				
The bid includes the e-verify documentation required by Alabama law.				
If awarded the bi	d, a performance bond will be pro	ovided upon request		DE
The bid documents include the Manufacturer's Suggested Retail Price Sheet (MSRP) for the Standard Machine.				

Total Bid Price for Standard Machine: \$ 247, 487. (Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs) *
Freight Preparation and Delivery: \$_\(\text{2,500}\) \(\text{500}\) (Included in Standard Machine Bid Price)
Manufacturer's Suggested Retail Price for Standard Machine: \$ 304, 437.
Equipment Model #: Volvo EC300 E
Description: Track Mount Excavator
Signature of company representative submitting bid: Governmental Sales Manager

*NOTE: Award will be made based on the total cost of the **Standard Machine**. The total cost of the standard machine is to include the freight preparation, delivery and standard warranty cost. Freight preparation, delivery will be excluded from the total bid price of the standard machine in determining the percentage discount for any available options.

BID SUBMITTAL FORM: OPTION COST SHEET

By submitting this bid, we agree:			
To offer any available options at the percent difference between the Manufacturer's Suggested Retail Price Sheet and the actual bid price on the Standard Machine*	Je		
The bid documents include the Manufacturer's Suggested Retail Price Sheet (MSRP) for the Standard Machine			
Equipment Model #: Volvo Ec300 E	V		
Description: Track Mount Excavator			
Signature of company representative submitting bid:			
Title: Governmental Sales Manager			

*NOTE: The percent difference between the Manufacturer's Suggested Retail Price Sheet (MSRP) for the standard machine as specified by these Bid Specifications and the actual price bid by the vendor will be calculated to determine the percentage discount to be applied to any available options. The bid price of the freight preparation, delivery cost shall be excluded in determining the percentage discount to be applied to available options. Any individual county may choose to add any available option to the standard machine at the percentage discount at the time of purchase.

INVITATION TO BID HEAVY EQUIPMENT

NOTICE OF BID OPENING

NOTICE IS HEREBY GIVEN that the Association of County Commissions of Alabama, which administers the Alabama County Joint Bid Program on behalf of Alabama's county governing bodies, shall receive and open bids for the purchase of zero (0) or more items of heavy road equipment at its office located at 2 North Jackson Street, Montgomery, Alabama, at **10:00 a.m. on Friday, October 7, 2022.** Bid specifications are available at http://www.alabamacounties.org/heavy-equipment/ for each of the following items:

Backhoes
Tractors
Track Mount Excavators
Compact Track Mount Excavators
Mini Track Excavator
Wheeled Excavators
Highway Speed Truck Excavators
Motor Graders
Heavy Duty Hydrostatic Bulldozers
Mulching Dozer
Wheel Loaders
Heavy Duty Dump Chassis
Lowboy Tractors
Skid Steer Loader w/no Attachments
Skid Steer Attachments

Ride-on Industrial Boom Mowers
Asphalt Distributor Truck
Chip Spreader
Rubber Tire Roller
7.5 Ton Single Drum Vibratory Roller
One-man Pothole Patchers
Trailer Mounted Patchers
Trailer Mount Mastic Patcher/Crack Sealer
Half Round End Dump Trailer
Lowboy Trailers
Road Wideners and Attachments
16' Steel Dump Bodies (Automatic
and Manual)

Time is of the essence in submitting bids and only bids received in the Association office by 10:00 a.m. Central Time on Friday, October 7, 2022 will be opened and considered. Bidders and any other interested individuals are invited to attend the bid opening.

NOTICE OF BID OPENING PROCEDURES

All bids for **Heavy Equipment** will be opened and the name(s) of the bidders read aloud on the morning of the bid opening on Friday, **October 7, 2022 at 10:00 a.m.** at 2 North Jackson Street, Montgomery, AL. The specifics of each bid submitted will be compiled by the Association staff thereafter and will be available, **upon written or emailed request**, one week after the bid opening. Requests should be emailed to <u>jointbid@alabamacounties.org</u>.

THE INVITATION PACKAGE

The invitation package for each item to be bid includes: this invitation to bid, the written bid specifications for the particular item of heavy road equipment, and a Bid Submittal Form to be used in submitting a bid for that particular item. Bidders should verify that they have received all pages of the invitation package. If there are any omissions, the bidder should contact **Kenya Howard** in the Association office by mail, fax, or e-mail (jointbid@alabamacounties.org) to request missing pages. It is the responsibility of the bidder to make this request in sufficient time to prepare and submit the bid in time for the bid opening. Bidders should carefully read and comply with all parts of the invitation package, including all attachments and/or any addendum.

PREPARING AND SUBMITTING BIDS

All bids must be typed or hand written in ink on the attached Bid Submittal Form. The completed Bid Submittal Form shall be placed in front of and separated from all other documents included in the bid packet, such that it will be the first document viewed upon opening the bid packet.

Bids submitted in pencil and bids not submitted on the Bid Submittal Form will **not** be considered. All bids shall include a current catalog or model specification document for the equipment model number being offered for consideration. Bids submitted without such documentation will **not** be considered. Only information contained on the attached Bid Submittal Form and in the model specification document will be considered in evaluating bids.

Each separate requirement in the bid specification includes a block for indicating whether or not the item bid meets the specification. The bidder shall indicate compliance with each requirement by checking "Yes" or "No" in the block to the right of each bid specification. In addition, the bidder shall indicate the page number in the supplied manufacturer's equipment literature on which compliance with the specification can be verified. Failure to complete this portion of the bid form may result in the subject bid not being considered.

Each bid for one of the heavy equipment items included in the bid package must be submitted on the Bid Submittal Form for that item and forwarded in a separate envelope with the bid item and item number clearly identified on the outside of the envelope. Envelopes containing a "no bid" shall also include the words "NO BID" on the outside of the envelope. Facsimiles and e-mails will not be accepted. Bids submitted by "Express/Overnight" services must be in a separate inner envelope or package sealed and identified as stated above. All bids must be received in the Association office prior to the bid opening. Bids received after the deadline will be returned unopened.

The County Joint Bid Program reserves the right to require a performance bond from successful bidders as permitted under Alabama law. However, **no bid bond is required for this bid offering**.

All bids should be mailed or hand-delivered to:

ATTN: Joint Bid Program
Association of County Commissions of Alabama
2 North Jackson Street, FL 7, Montgomery, Alabama 36104 (Physical Address)
P.O. Box 5040, Montgomery, Alabama 36103 (Mailing Address)

BID SPECIFICATIONS

Please note that each piece of heavy equipment available for bid may include several different sizes and categories of machines. You should read each set of specifications very carefully as the differences vary depending upon the piece and size of equipment.

The award will be based on the total cost of the **Standard Machine** bid by the lowest responsible bidder. Each Bid shall include a **Manufacturer's Suggested Retail Price Sheet (MSRP)** for each machine bid. The percent difference between the Manufacturer's Suggested Retail Price (MSRP) for the standard machine as specified by these bid specifications and the actual price bid by the vendor will be calculated and that percentage discount shall be applied to any options an individual county may choose to add to the machine.

Once the bids have been awarded, any county participant purchasing under this program may, at its discretion, add any of the vendor's available options at the same discount off the Manufacturer's Suggested Retail Price Sheet as was applied to the Standard Machine Price Bid.

Any use of specific names and/or model numbers in the attached specifications is not intended to restrict the bidder or any seller or manufacturer, but is included solely for the purpose of indicating the type, size, and quality of materials, product services, or equipment considered best adapted to the use of the counties participating in the joint bid program.

ACQUISITION AND FINANCING OPTIONS

The awarded Vendor will provide the equipment, including any options required by the purchaser, at the awarded price as contracted through the Joint Bid Program. The purchaser may secure its own financing to acquire the equipment or execute any financial options available under Alabama law with the awarded Vendor in order to acquire the equipment.

BIDDER QUALIFICATIONS

All bidders and all program participants must be in compliance with any applicable federal, state, county and municipal laws, regulations, resolutions and ordinances, including but not limited to, licensing, permitting, and taxation requirements. All bidders should be prepared to submit evidence or documentation as proof that they are properly licensed and permitted under any applicable laws upon request. Such evidence or documentation may be submitted with the bid. Additionally, all bidders shall provide proof that they are in compliance with the e-verify requirements of Alabama's Immigration Law (Ala. Code § 31-13-1 et seq., as amended by Act No. 2012-491).

BID AWARD

The Houston County Commission will serve as the awarding authority for all bids and will award all contracts at a regular meeting of the Houston County Commission. Any and all bids submitted in compliance with this invitation to bid shall be considered, and award will be made to the lowest responsible bidder meeting bid specifications as determined by the awarding authority in compliance with Alabama law. All bids will be reviewed and evaluated by a committee created for that purpose, which committee will make comments and recommendations to the awarding authority regarding the award. All factors contained in each invitation package will be evaluated in determining the successful bidder, and any omissions of the stated requirements may be cause for rejection of the bid submitted. The awarding authority reserves the

right to reject any and all bids, to waive any informality in bids, and to accept in whole or in part such bid or bids solely at its discretion.

The contract period will be one year with an option to renew for a second and third year under identical price, terms, and conditions upon the mutual consent of the vendor and the awarding authority. Any renewal contract shall be approved in writing by the vendor and the awarding authority no later than 90 days prior to the expiration of the existing contract.

CONTACT REGARDING BIDS AND INVITATION

Contact initiated by a potential bidder with any county official, county employee, or member of the Association staff shall only be as specifically set out in this Invitation to Bid. Any questions related to the bid or the County Joint Bid Program shall be directed to Association staff in writing under the procedures set out in this Invitation to Bid. Additionally, a bidder may contact the Association in writing to request an appointment to review bid specifications following the bid opening. However, there shall be no communication with any county official or county employee regarding this bid between the date of this invitation and the date of bid award. Any contact other than as set out here shall be deemed as an attempt to unduly influence the bid award, and shall be grounds for rejection of the bid submitted by the bidder initiating such other contact.

Any questions or problems related to downloading or obtaining copies of this Invitation to Bid should be directed to **Kenya Howard** at jointbid@alabamacounties.org or **334-263-7594**.

Any other questions or requests for additional information regarding this invitation or the bid specifications shall be submitted **in writing** no later than five (5) days prior to bid opening to:

ATTN: Patrick McDougald
Association of County Commissions of Alabama
P.O. Box 5040
Montgomery, Alabama 36104

OR

Patrick McDougald E-mail: barbeng@bellsouth.net

BID SPECIFICATIONS FOR TRACK-MOUNTED EXCAVATOR OPTION A-2

GENERAL

These specifications shall be construed as the minimum acceptable standards for a track mounted hydraulic excavator with long undercarriage. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine offered for bid shall include all standard manufacturers' equipment. The excavator must be a new current production model and shall meet or exceed all EPA and other applicable standards at the time of manufacture.

Use of specific names and numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size and quality of equipment considered best adapted to the uses of the counties participating in this joint bid.

BID SUBMITTAL FORM

Each bidder must submit his or her bid on the bid submittal form included in the invitation to bid package. All written warranties to be submitted shall be attached to the bid submittal form.

BID PRICE

The price bid shall include all destination charges, delivery charges, title fees, rebates, and all other applicable costs and refunds.

MANUALS

Each unit shall be provided with one (1) copy of the operator's manual, one [1] repair manual, and one (1) copy of the current parts manual. Units will not be accepted for delivery until the manuals as outlined above are received by the purchaser.

REPLACEMENT PARTS AVAILABILITY

Parts must be available for 5 years or 7,500 hours of use for the piece of equipment. If any replacement parts are not delivered within three (3) working days of an order being placed, the bidder will deliver an equivalent machine for the county to use at no cost to the county until such time as the parts are delivered to the county so it can affect repairs to its machine.

WARRANTY

Bidders shall submit a copy of the manufacturer's standard warranty. Warranty shall include service response time of maximum of 36 hours within notification by county.

Yes_\(\bu\) No___
Page#____
or

WEIGHT

Minimum 69,000 lbs. equipped with minimum 31-inch-wide track shoes.	Yes No Page # Zo
<u>ENGINE</u>	
Turbocharged, 6 cylinders with a minimum 400 cubic inch displacement diesel engine capable of a minimum 210 net horsepower.	Yes No Page # 16
Engine shall be manufactured by the equipment manufacturer.	Yes V No Page # 16
UNDERCARRIAGE	
Track length shall be minimum 15' 3".	Yes No Page # 17
Track shoe width shall be minimum 31" (Triple grouser Shoes)	Yes <u>V</u> No Page #
Minimum eight (8) track rollers per side.	Yes No Page #
Minimum two (2) carrier rollers per side.	Yes <u>V</u> No Page #
STARTING SYSTEM	
24 volt system with a minimum 100 amp alternator.	Yes_ No Page # _ 1 6
CAPACITIES	
Fuel Tank Capacity – 105 gallon minimum	Yes V No Page # 16
Hydraulic Tank Capacity – 34 gallon minimum	Yes V No Page # 1 6
Engine Coolant – 6.6 gallon minimum	Yes <u>V</u> No Page # <u></u>
BOOM AND STICK	
One piece boom with minimum 19' length	Yes VNo Page # 17
Stick shall be a minimum 9' long	Yes

DIMENSIONS

Reach at ground level – 33' minimum

Yes ✓ No Page # 19

Bucket breakout force (SAE) – minimum 37,000 lbs.

Yes ✓ No Page # 19

Stick digging force (SAE) – minimum 28,000 lbs.

Yes ✓ No Page # 19

Bucket:

Standard with no bucket. Buckets will be considered optional attachments.

HYDRAULICS

Hydraulic pump output shall be a minimum of 120 GPM	Yes No Page #
CAB	
Enclosed ROPS cab:	Yes No Page #_ 26
Heater	Yes <u>V</u> No Page #_ <u>Z b</u>
Factory installed air conditioning	Yes <u>V</u> No Page #_ 2
AM/FM radio	Yes No Page #_ 2.6
Suspension seat	Yes No Page # 6
Defroster	Yes <u>V</u> No Page #_ z 6
Shall be equipped with a 12-volt converter capable of powering a two-way radio.	Yes / No Page #_option



Volvo Construction Equipment North America

Warranty – Disclaimers – Limitations Limited Warranty for Governmental / Municipalities

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

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

Volvo wheel loaders: 12 months/2500 hours, whichever first occurs Volvo articulated haulers: 12 months/2500 hours, whichever first occurs Volvo hydraulic excavators: 12 months/2500 hours, whichever first occurs

Volvo motor graders: 12 months/2500 hours, whichever first occurs Volvo compactors: 12 months/1500 hours, whichever first occurs 24 months unlimited hours on DD90 and larger compactors

Volvo pavers: 12 months/1500 hours, whichever first occurs 24 months unlimited hours on 6000 / 7000 series pavers Volvo milling: 12 months/1500 hours, whichever first occurs

Volvo compact wheel loaders (up to 100 net hp.): 12 months/unlimited hours Volvo skid steer loaders: 12 months/unlimited hours; Lifetime arm for one-sided

Volvo compact hydraulic excavators (less than 11 metric tons): 12 months/unlimited hours

Volvo backhoe loaders: 12 months/unlimited hours

Volvo engines: 12 months/2500 hours, whichever first occurs Volvo parts: 6 months/1500 hours, whichever first occurs

Volvo remanufactured components: 12 months/2500 hours, whichever first occurs

Volvo Attachments: 12 months

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

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

DISCLAIMER OF IMPLIED WARRANTIES AND LIMITATION OF REMEDIES

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

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

21D1001547-NA REV. 03/2013

Warranty - Disclaimers - Limitations

LIMITATIONS OF LIABILITY AND DAMAGES

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

CONSEQUENTIAL AND SIMILAR DAMAGES NOT RECOVERABLE

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

ALLOCATION OF RISK

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

STATUTE OF LIMITATIONS

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

21D1001547-NA REV. 03/2013

Description	Article	MSRP
	EC300EL	\$237,478
Boom, 20` 4" (6.2m), GP	XC10107	\$17,983
Arm, 10` 0" (3.05m), HD	XC10213	\$9,892
Linkage with lifting eye, GP	XC10403	\$512
Decal Kit NA	XC10503	\$0
Track Pads, 32" Triple Grouser	XC20106	\$13,289
Roller guard STD	XC20201	\$442
Lower frame - foldable steps	XC20302	\$0
Belly Cover HD, 10mm	XC20402	\$309
Engine NA MDE8	XC30112	\$0
Standard fan drive	XC30801	\$0
Air precleaner, Cyclone	XC30401	\$110
Quick Hyd Oil Fill connection	XC30910	\$0
THE CONTRACTOR OF THE CONTRACT	XC30911	\$0
en una communicativa de un accionario de describirante de un accionario de partir de la composició de la com	XC30902	\$150
окумуний принцинования при направления продукция принцина и принци	XC40112	\$0
STATES CONTRACTOR TO A THE PROPERTY OF THE PRO	XC40103	\$447
Seat, Air suspension w/Heater & X-Isolator	XC40203	\$1,186
Seat Belt, 3 inch Retractable	XC41204	\$0
Volvo Active Control	XC40301	\$0
Air conditioning, ACC (automatic climate control)	XC40502	\$2,494
SAME STATE OF THE	XC40602	\$0
Radio with MP3, USB port & Bluetooth	XC40708	\$0
TO FOR THE BOTH A PROPER AND A PROPERTY OF THE ACT AND A PROPERTY OF THE ACT AND A STREET OF THE ACT AND A PARTY O	XC50801	\$0
Handrail, Foldable	XC50803	\$0
Work lights on deck & boom, Halogen	XC50000	\$0
Extra work lights on cab front/rear, CWT, boom	XC50101	\$339
& RH side, Halogens Travel alarm	XC50102	3003 (00.0000000000000000000000000000000
Battery switch protector	XC50102	\$0 \$0
Volvo Smart View on Instrument Cluster only	XC50144	\$0
The state of the s	talah mengenganah diapa dalah kecampalan di kal	PARTICIPAL PROPERTY OF THE PARTICIPAL PROPERTY O
Dig Assist Start	XC50155	\$0
CareTrack, GSM/Satellite	XC50402	\$0
CareTrack Connectivity 4 yr Subscription	XC50404	\$0
De-activate SAT	XC50406	\$0
Hydraulic oil ISO VG46	XC60102	\$592
Pre-setting for hyd. pressure (piping not installed for long reach boom and arm)	XC61301	\$179
X1 2 pump double acting piping (piping not installed for long reach boom and arm)	XC60203	\$3,712
X1 additional return filter (piping not installed for long reach boom and arm)	XC60301	\$369
X1 Roll switch control, proportional, double acting (piping not installed for long reach boom and ar	XC60602	\$296
X1 Pedal control, Proportional (piping not installed for long reach boom and arm)	XC60605	\$147
Quick fit piping, UQF (piping not installed for long reach boom and arm)	XC60805	\$2,007
Straight travel pedal	XC60904	\$1,263
Boom float function, w/o hose rupture valve	XC60907	\$816
Pattern change	XC60914	\$1,401
Manual, English	XC70302	\$0
	XC80191	\$9,025
Counterweight 13,669 lbs (6200kg), fabrication		
Counterweight 13,669 lbs (6200kg), fabrication Under cover HD, 4.5mm superstructure	XC80202	\$0
	et us tistina ekinti siya kata kara ka	\$0 \$0



Volvo Excavators 31.3-36.8 t / 68,950-81,230 lb 253 hp

EC300E



Welcome to our world

Welcome to a world of industry leading machinery. A world where imagination, hard work and technological innovation will lead the way towards developing a future which is cleaner, smarter, and more connected. A world supported by the enduring values of the Volvo Group. A world of stability, sustainability and innovation. A world which we put our customers at the heart of.

Welcome to the world of Volvo Construction Equipment – we think you're going to like it here.

Working harder, working smarter

For over 180 years Volvo has been a pioneer in the design and manufacture of machines which set the standard for efficiency, performance and uptime. Across our range of excavators, wheel loaders and haulers, our reputation for engineering excellence is unrivalled, which means whatever your operation or application, we can provide a total fleet solution to help you succeed.

Building on our proud history, the Volvo Concept Lab continues to create cutting-edge ideas and innovative concepts, to ensure we offer customers machines which work harder and smarter long into the future.



Solutions for you

Our industry leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

Designed for your business

Structured across nine blocks, our portfolio of products and services are designed to complement your machine's performance and boost your profitability. Simply put, we offer some of the best guarantees, warranties and technological solutions in the industry today.

There when you need us

Whether you're buying new or used, our global network of dealers and technicians offer around-the-clock support, including machine monitoring and world-class parts availability. It's the basis of everything offered by Volvo Services, so you can be confident we've got you covered right from the start.







Productivity Services



Safety Services



Services

Volvo

Attachments









BUILDING TOMORROW

Giving you more

The new and enhanced EC300E is packed with the latest technology to help you move more, for less. Features including the new Volvo engine, improved hydraulics, flow priority functions and optional Dig Assist apps deliver optimum productivity, efficiency and performance for a lower cost per ton.

More productivity

Get more done in the EC300E. An increase in engine power and improved hydraulic performance contributes to faster cycle times, while a 700 kg (1,542 lb) heavier counterweight provides superb stability and a 5% increase in across lifting capacity. Machine productivity is further enhanced by new motion priority functions, boom down speed control and improved jack up speed.



More control

Double your productivity with Volvo Active Control functions. The working day just got easier with automated boom and bucket movements, making the digging process more accurate and twice as fast. Simply set the grade from the Volvo Co-Pilot display, push the button and get to work – all controlled using a single lever.



More precision

Unlock the full potential of your machine's productivity with Dig Assist, powered by the 10" Volvo Co-Pilot display. Gain access to a set of smart apps, including Start, In-Field Design, 3D software packages, On-Board Weighing and Volvo Active Control, designed to optimize the digging process.



More responsiveness

With electric control joystick and full electric travel pedals, operators benefit from an improved response time. Machine controllability is enhanced further by Boom/Swing and Boom/Travel priority functions which enable operators to prioritize one function over another. Operators can also easily adjust the boom down speed, ideal for precision tasks which require optimum control.





MORE FUEL EFFICIENCY

A range of features combine in the EC300E to deliver up to 10% improvement in fuel efficiency. The new D8M Volvo engine reduces rated rpm from 1800 down to 1600, while also delivering a 5% increase in power, and the intelligent new generation electro-hydraulic system provides on-demand flow and reduces internal losses in the hydraulic circuit. Classic Volvo features such as ECO mode and selectable work modes further contribute to outstanding fuel efficiency.

For your comfort and safety

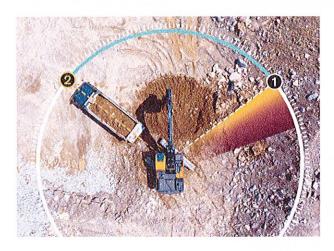
With a host of new and proven features including enhanced machine access, superior visibility, bouncing reduction technology and customizable settings, the upgraded EC300E delivers all the safety and comfort you would expect from your Volvo machine.

Know your limits

With Volvo Active Control, operators can easily set swing fence, height limit and depth limit from the Volvo Co-Pilot. This helps to avoid contact with side obstacles, overhead obstacles such as power lines and underground hazards such as pipes and cables.

See it all

Operators can work in complete confidence thanks to Volvo Smart View. The system uses front, rear and side cameras to provide a real-time, overhead view of the machine during operation on the colour monitor. The result is safer machine rotation while working, especially in confined spaces.





A smoother shift

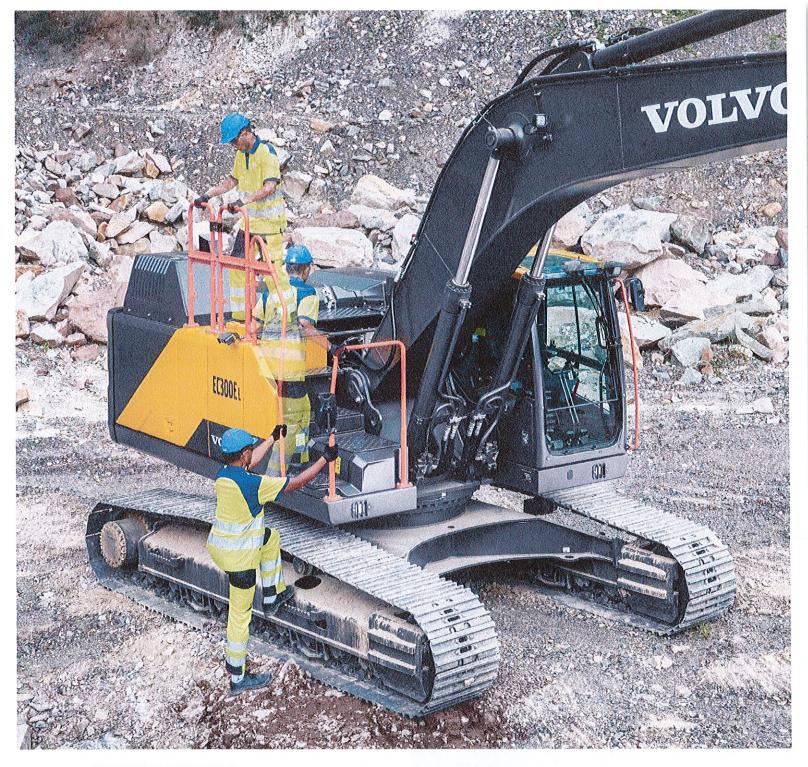
New boom and arm bouncing reduction technology reduces machine shock, resulting in a more comfortable and productive operator performance. Comfort Drive Control further helps to reduce fatigue by enabling operators to steer the machine using the joystick rollers instead of the pedals.

How you like it

Get ready for the working day in no time with customizable settings, including preferred control patterns easily selected from the monitor. New 'long push' functionality on the joystick allows operators to set an additional shortcut function, and with the L8 joystick operators can create a shortcut to hydraulic priority functions.







SAFETY, INSIDE AND OUT

Operators can access the upper structure with safety and confidence thanks to the new 3-point right-hand side access. Industry renowned features such as bolted anti-slip steps, high visibility handrails and spacious, ergonomic and low-noise Volvo Care Cab ensure the highest levels of operator comfort and safety.

Boost versatility

Get the most out of your excavator with our range of purpose-built attachments, designed to work in perfect harmony with your machine. Customize your EC300E with quality Volvo attachments, matched to your needs, to form one solid and reliable unit that delivers improved cycle times and increased fuel efficiency.

Buckets of productivity

Volvo buckets are the perfect tool to achieve maximum productivity when digging and re-handling in all conditions. Whether you are working with soft, medium or hard materials, our buckets deliver long life and feature original Volvo wear parts. Heavy-Duty variants provide optimum performance when digging in compact materials.

Take a break

Available with a full range of tools, the hydraulic breakers are designed to be a perfect match for your Volvo. Powered by the machine's constant auxiliary hydraulic flow, the breakers are configured to the specific weights of Volvo machines and are fully compatible with Volvo quick couplers for swift, safe and simple attachment changes.





Dig at any angle

Boost productivity and dig at any angle. Compatibility with Steelwrist®, Engcon® and Rototilt® tiltrotators provides the flexibility needed for precise construction jobs. The factory-fitted preparation system gives you the power to control both the excavator and tiltrotator using the original joysticks, with the information presented on the main display.

Stay cool

A new cooling layout increases hydraulic attachment cooling capacity by 10%, resulting in an improved attachment performance.





Steelwrist @: Steelwrist is a registered trademark of Steelwrist AB/Engcon @: Engcon is a registered trademark of Engcon Holding AB/Rototilt @: Rototilt is a registered trademark of Rototilt Group AB



EASILY ATTACH

Discover our range of Volvo quick couplers, including the new Steelwrist® Auto Connect Quick Coupler – enabling the quick and easy connection of hydraulic attachments from the comfort and safety of the cab. The quick coupler delivers 300 liters per minute of hydraulic flow directly to the attachment.

Lower maintenance costs

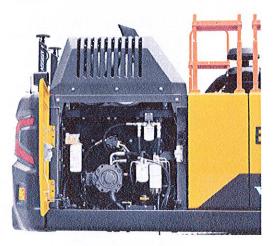
Durable by design, the new EC300E is ready to take on the toughest applications. The machine delivers outstanding levels of reliability and with features including engine autoregeneration, reinforced components and reduced maintenance requirements, you can count on the EC300E to maximize uptime while keeping maintenance costs to a minimum.

Less service requirements

The new electro-hydraulic system requires less hoses, therefore reducing the need for couplings, minimizing maintenance requirements and increasing reliability. Engine oil and engine oil filter change intervals have been doubled to 1000 hours, further ensuring the time and cost spent on maintenance is kept to a minimum.

Easier UREA filling

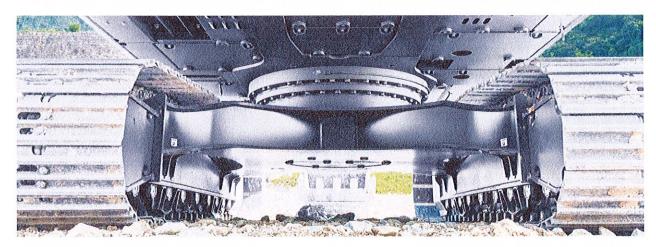
The new splash guard on the UREA tank makes filling quicker and easier, while also reducing the risk of spillage and subsequent corrosion.





Up to the challenge

Built to deliver outstanding strength and durability, this heavy-duty production machine features a robust undercarriage with reinforced idle frame, track links and bottom rollers. Reinforced bucket linkage with steel strip, optional heavy-duty superstructure undercover and easily replaced bolt-on wear plates at the arm end ensure the excavator succeeds even on the toughest of jobsites.





POWERED BY EXCELLENCE

With impressively high torque at low rpm, the new D8M Volvo engine builds on generations of proven Volvo engine technology to deliver superior reliability and performance. The engine features auto-regeneration technology, while auto-engine idle and auto-engine shutdown reduce unnecessary fuel consumption and wear.

Boost your profits

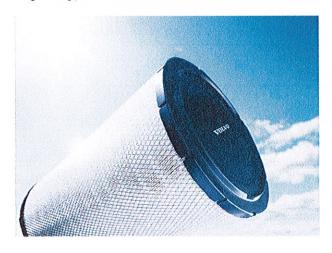
A world-class machine is just the start of how Volvo strives to add value you to your operation. Our portfolio of services is designed to complement your machine's performance and boost your profitability.

Every part counts

Maintain productivity and machine uptime with our range of readily available, tested and approved parts – all backed by Volvo warranty. Only by using Genuine Volvo Parts, can you protect your investment, extend machine life and guarantee long-lasting performance.

Maintain performance

Stay on track with planned servicing and keep your asset covered with our range of flexible maintenance and repair options.





Powerful reporting

Keep track of your fleet with a comprehensive portfolio of reports, designed to help you take action and boost the profitability of your business. Powered by the CareTrack telematics system, Productivity Report, Fuel Efficiency Report & Summary Report each provide an easy-to-digest overview of your machine's condition and performance.

Machine monitoring made easy

Maximize machine uptime and reduce repair costs with the CareTrack telematic system. Choose to keep track of your machine yourself or let us take care of it with ActiveCare Direct. Our Volvo Uptime Center will provide 24/7 machine monitoring, supplying weekly reports and notifying you should preventive maintenance action be required.







GET THE MOST FROM YOUR MACHINE

While reliable and efficient machines of course play a vital role in reducing costs, enhancing safety and maximizing productivity, it is ultimately the performance of the operator that really makes the difference. We offer a wide range of training initiatives to help operators unlock the full capability of their Volvo excavator.

Move more for less

Boost your productivity

- 700kg (1,542 lb) heavier counterweight: 5% increase in across lifting capacity NEW
- Improved response time NEW
- Boom/Swing and Boom/Travel priority NEW
- Adjustable boom down speed NEW
- Dig Assist apps, powered by Volvo Co-Pilot
- · Volvo Active Control: double your productivity

Lower maintenance costs

- Less hydraulic hoses: reduced need for couplings/oil NEW
- Splash guard on the UREA tank
 NEW
- 1000hr engine oil and engine oil filter change intervals NEW
- Engine auto-regeneration NEW
- · Grouped filters, accessed from ground-level
- · Reinforced idle frame, track links, bottom rollers

Comfortable operation

- Boom and arm bouncing reduction NEW
- Comfort Drive Control: joysticks steering NEW
- Additional 'long push' shortcut button NEW
- · Selectable control pattern
- · Volvo Care Cab: highest levels of comfort

Volvo Services: boost your profits

- Operator training program
- Productivity Report, Fuel Efficiency Report, Summary Report
- ActiveCare Direct: 24/7 machine monitoring
- Genuine Volvo Parts, with 24-hour delivery guarantee
- Maintenance and repair agreements

Safety, inside and out

- 3-point right-hand side access to the upper structure NEW
- · Bolted anti-slip steps, high visibility handrails
- ROPS cab, low-noise/vibration
- Rear and side cameras, Volvo Smart View
- Swing fence, height/depth limits functions (Volvo Active Control)

Boost versatility

- Factory-fitted preparation for Steelwrist[®], Engcon[®], Rototilt[®] tiltrotator control systems

 NEW
- 10% more hydraulic attachment cooling capacity NEW
- Range of matched Volvo buckets and breakers
- Attachment Management System: 32 attachments stored



For a dramatic improvement in fuel efficiency, look no further than the EC300E Hybrid.



Volvo EC300E in detail

E	n	a	i	n	0

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

Engine	Volvo	D8M
Max power at	r/min (r/s)	1,600 (26.7)
Net, ISO 9249/SAE J1349	kW (hp)	188 (252)
Gross, ISO 14396/SAE J1995	kW (hp)	189 (253)
Max torque	Nm (ft lbf)	1,290 (951)
at engine speed	r/min (r/s)	1,400 (23.3)
No. of cylinders		6
Displacement	l (in³)	7.7 (470)
Bore	mm (in)	110 (4.33)
Stroke	mm (in)	135 (5.3)

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.

Voltage	V	24
Batteries	V	2 x 12
Battery capacity	Ah	170
Alternator	V/A	28 / 120
Start motor	V - kW	24 - 5.5

Undercarriage

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

Top rollers		2 x 2
Bottom rollers		2 x 9
Shoe width, double grouser	mm (in)	700 (27.6)
Shoe width, triple grouser (HD)	mm (in)	600 (23.6)
Shoe width, triple grouser	mm (in)	600/700/800/900 (23.6/27.6/31.5/35.4)
Shoe width	mm (in)	600/700/800/900 (23.6/27.6/31.5/35.4)
Link pitch	mm (in)	203.2 (7.9)
Track shoes		2 x 50
chains are standard.		

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	11
Max. slew torque	kNm (ft lbf)	114.8 (84,655)

ravel System

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

Harrier		
Max. drawbar pull	kN (lbf)	248 (55,663)
Max. travel speed (low)	km/h (mi/h)	3.6 (2.2)
Max. travel speed (high)	km/h (mi/h)	5.4 (3.4)
Gradeability	•	35

Cab

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

Refrigerant of the type R134a is used when this machine is equipped with air conditioning. Contains fluorinated greenhouse gas R134a, Global Warming Potential 1,430 t CO2-eq.

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, arm and bucket regeneration provides optimum performance.

optimum performance.		
Main pump, Type 2 x Variable	e displacement axial p	iston pumps
Maximum flow	I/min (gal/min)	2 x 276 (2 x 72.9)
Pilot pump, Type Gear Pump		
Maximum flow	I/min (gal/min)	20.3 (5.4)
Relief value setting pressure		
Implement	MPa (psi)	33.3 / 36.3 (4,830 / 5,265)
Travel circuit	MPa (psi)	36.3 (5,265)
Slew circuit	MPa (psi)	28.9 (4,192)

Pilot circuit Hydraulic Motors

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

MPa (psi)

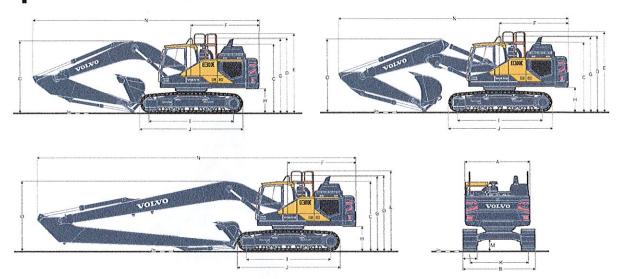
3.9 (566)

Swing: Fixed displacement pi	ston motor with mech	anical brake
Hydraulic Cylinders		
Mono boom		2
Bore x Stroke	ø x mm (ø x in)	140 x 1 480 (5.5 x 58.3)
2 piece boom		2
Bore x Stroke	ø x mm (ø x in)	140 x 1 480 (5.5 x 58.3)
Arm		1
Bore x Stroke	ø x mm (ø x in)	150 x 1 745 (5.9 x 68.7)
Bucket		1
Bore x Stroke	ø x mm (ø x in)	140 x 1 140 (5.5 x 44.9)
Bucket for LR boom		
Bore x Stroke	ø x mm (ø x in)	100 x 865 (3.9 x 34.1)
Service Refill		
Fuel tank	l (gal)	472 (124.7)
DEF/AdBlue® tank	l (gal)	50 (13)
Hydraulic system total	I (nal)	385 (101.7)

l (gal)	472 (124.7)
l (gal)	50 (13)
l (gal)	385 (101.7)
l (gal)	215 (56.8)
l (gal)	30 (7.9)
l (gal)	44 (12)
l (gal)	6.1 (1.6)
l (gal)	2 x 6 (2 x 1.6)
	l (gal) l (gal) l (gal) l (gal) l (gal) l (gal)

Sound Level

Sound pressure level in cab according	to ISO 6396	
L _{pA}	dB	70
External sound level according to ISO 2000/14/EC	6395 and EU Noise Directive	
LWA	dB	104

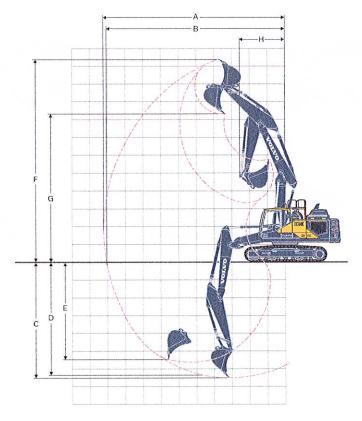


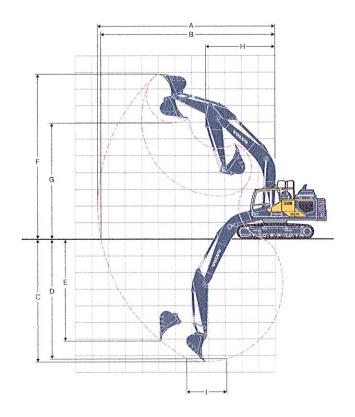
Description	U	nit						EC3	OOEL						EC30	0ELR
Boom	m,	ft in			6.2, 2	20'4"				6.	2, 20'4'	' 2-pie	ce		10.2,	33'6"
Arm	m	ft in	2.55	8'4"	3.05	10'0"	3.7	12'2"	2.55	8'4"	3.05	10'0"	3.7	12'2"	7.9	25'11"
A. Overall width of upper structure	mm	ft in	2,890	9'6"	2,890	9'6"	2,890	9'6"	2,890	9'6"	2,890	9'6"	2,890	9'6"	2,890	9'6"
B. Overall width	mm	ft in	3,190	10'6"	3,190	10'6"	3,190	10'6"	3,190	10'6"	3,190	10'6"	3,190	10'6"	3,190	10'6"
C. Overall height of cab	mm	ft in	3,110	10'2"	3,110	10'2"	3,110	10'2"	3,110	10'2"	3,110	10'2"	3,110	10'2"	3,110	10'2"
D. Overall height of handrail	mm	ft in	3,360	11'0"	3,360	11'0"	3,360	11'0"	3,360	11'0"	3,360	11'0"	3,360	11'0"	3,360	11'0"
E. Overall height of guardrail (Unfolded)	mm	ft in	3,570	11'9"	3,570	11'9"	3,570	11'9"	3,570	11'9"	3,570	11'9"	3,570	11'9"	3,570	11'9"
E'. Overall height of handrail/ guardrail (Folded)	mm	ft in	3,090	10'2"	3,090	10'2"	3,090	10'2"	3,090	10'2"	3,090	10'2"	3,090	10'2"	3,090	10'2"
F. Tail swing radius	mm	ft in	3,120	10'3"	3,120	10'3"	3,120	10'3"	3,120	10'3"	3,120	10'3"	3,120	10'3"	3,155	10'4"
G. Overall height of diffuser	mm	ft in	3,200	10'6"	3,200	10'6"	3,200	10'6"	3,200	10'6"	3,200	10'6"	3,200	10'6"	3,200	10'6"
H. Counterweight clearance *	mm	ft in	1,105	3'8"	1,105	3'8"	1,105	3'8"	1,105	3'8"	1,105	3'8"	1,105	3'8"	1,105	3'8"
I. Tumbler length	mm	ft in	4,015	13'2"	4,015	13'2"	4,015	13'2"	4,015	13'2"	4,015	13'2"	4,015	13'2"	4,015	13'2"
J. Track length	mm	ft in	4,865	16'0"	4,865	16'0"	4,865	16'0"	4,865	16'0"	4,865	16'0"	4,865	16'0"	4,865	16'0"
K. Track gauge	mm	ft in	2,590	8'6"	2,590	8'6"	2,590	8'6"	2,590	8'6"	2,590	8'6"	2,590	8'6"	2,590	8'6"
L. Shoe width	mm	ft in	600	24"	600	24"	600	24"	600	24"	600	24"	600	24"	600	24"
M. Min. ground clearance *	mm	ft in	475	1'7"	475	1'7"	475	1'7"	475	1'7"	475	1'7"	475	1'7"	475	1'7"
N. Overall length	mm	ft in	10,605	34'10'	10,500	34'5"	10,540	34'7"	10,605	34'10"	10,535	34'7"	10,535	34'7"	14,565	47'9"
O. Overall height of boom	mm	ft in	3,470	11'5"	3,345	11'0"	3,580	11'9"	3,385	11'1"	3,325	10'11"	3,605	11'10"	-	-

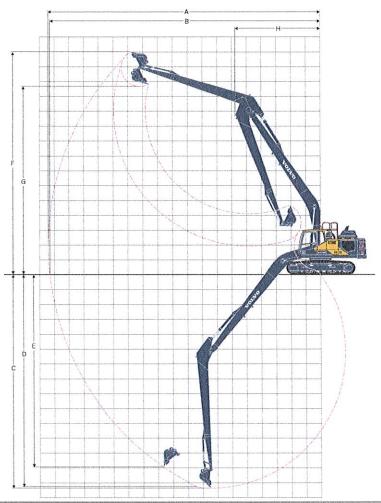
^{*} Without shoe grouser

^{&#}x27; 2-piece boom

DIMENSIONS			terotes and the trade of the									
Boom												
Description	U	nit		m	ono		2-1	oiece	Long	-Reach	- .	
Boom	m,	ft in	6.2, 2	0'4" GP	6.2, 20	0'4" HD	6.2,	20'4"	10.2,	33'6"	_	
Length	mm	ft in	6,425	21'1"	6,425	21'1"	6,425	21'1"	10,425	34'2"		
Height - Hose	mm	ft in	1,780	5'10"	1,780	5'10"	1,595	5'3"	-	-		
Height - Pipe	mm	ft in	1,665	5'6"	1,665	5'6"	1,550	5'1"	1,580	5'2"		
Width	mm	ft in	765	2'6"	765	2'6"	770	2'6"	765	2'6"		
Weight	kg	lb	2,505	5,520	2,735	6,030	3,375	7,440	3,380	7,450		
* Includes cylinder, p	iping and pi	n, exclude	es boom cyli	nder pin					3 10 42 W 10 10 10 10 10 10 10 10 10 10 10 10 10			
Arm												
Description	U	nit										
Arm	r	n	2.55, 8	3'4" HD	3.05, 1	0'0" GP	3.05, 1	0'0" HP	3.7, 12	'2" GP	7.9, 25	3'11" LR
Length	mm	ft in	3,720	12'2"	4,145	13'7"	4,145	13'7"	4,800	15'9"	9,055	29'8"
Height	mm	ft in	1,005	3'4"	1,010	3'4"	1,010	3'4"	1,005	3'4"	1,095	3'7"
Width	mm	ft in	560	1'10"	560	1'10"	560	1'10"	560	1'10"	435	1'5"
Weight	kg	lb	1,450	3,200	1,510	3,330	1,570	3,460	1,630	3,590	1,770	3,900
* Includes cylinder, li	inkage and p	oin										







WORKING	RANGES																	
Description			U	nit						EC30	OOEL						EC30	OELR
Boom			m,	ft in		6	.2, 20'	4" mon	0			6.	2, 20'4	" 2-pie	ce		18,590 6 18,480 6 14,750 4 14,650 4 13,630 4 14,940 4 12,600 6	33'6"
Arm			m	ft in	2.55	8'4"	3.05	10'0"	3.7	12'2"	2.55	8'4"	3.05	10'0"	3.7	12'2"	7.9 18,590 18,480 14,750 14,650 13,630 14,940 12,600	25'11"
A. Max. dig	ging reach		mm	ft in	10,180	33'5"	10,710	35'2"	11,310	37'1"	10,250	33'8"	10,780	35'4"	11,390	37'4"	18,590	60'12"
B. Max. dig	ging reach on g	ground	mm	ft in	9,970	32'9"	10,520	34'6"	11,130	36'6"	10,040	32'11"	10,580	34'9"	11,210	36'9"	18,480	60'8"
C. Max. dig	ging depth		mm	ft in	6,840	22'5"	7,340	24'1"	7,990	26'3"	6,210	20'4"	6,730	22'1"	7,370	24'2"	14,750	48'5"
D. Max.digg 8'0" level)	ging depth (I =	2.44 m/	mm	ft in	6,600	21'8"	7,150	23'5"	7,830	25'8"	6,100	20'0"	6,630	21'9"	7,280	23'11"	14,650	48'1"
E. Max. ver	tical wall diggir	ng depth	mm	ft in	5,320	17'5"	6,080	19'11"	6,680	21'11"	5,040	16'6"	5,630	18'6"	6,240	20'6"	13,630	44'9"
F. Max. cut	ting height		mm	ft in	9,560	31'4"	9,980	32'9"	10,260	33'8"	11,550	37'11"	12,070	39'7"	12,570	41'3"	14,940	49'0"
G. Max. du	mping height		mm	ft in	6,680	21'11"	7,040	23'1"	7,330	24'1"	8,360	27'5"	8,850	29'0"	9,360	30'9"	12,600	41'4"
H. Min. from	nt swing radius		mm	ft in	4,220	13'10"	4,180	13'9"	4,240	13'11"	2,750	9'0"	2,580	8'6"	2,770	9'1"	6,190	20'4"
DIGGING F	ORCES WITH	DIRECT FIT	вис	KET														
Bucket radi	ius		mm	in	1,624	64"	1,624	64"	1,624	64"	1,624	64"	1,624	64"	1,624	64"	1,248	49"
	Normal	SAE J1179	kN	lb	165	37,050	165	37,050	165	37,040	165	37,050		37,050	165	37,040		15,580
Breakout	Power boost	Some Consum Love Time	kN	lb	179	40,320	179	40,320		40,310	179	40,320		40,320	179	40,310	69	15,580
force	Normal	ISO 6015	kN	lb	190	42,680	190	42,680	190	42,670	190	42,680	190	42,680	190	42,670	78	17,600
	Power boost	100 0010	kN	lb	207	46,450	207	46,450	207	46,440	207	46,450	207	46,450	207	46,440	78	17,600
	Normal	SAE J1179	kN	lb	158	35,500	133	29,790	116	26,090	158	35,500	133	29,790	116	26,090	51	11,550
Tearout	Power boost	SAL OTTO	kN	lb	172	38,630	144	32,420	126	28,400	172	38,630	144	32,420	126	28,400	51	11,550
force	Normal	ISO 6015	kN	lb	163	36,580	136	30,550	118	26,630	163	36,580	136	30,550	118	26,630	52	11,660
	Power boost	130 0015	kN	lb	177	39,810	148	33,250	129	28,980	177	39,810	148	33,250	129	28,980	52	11,660
Rotation ar	ngle, bucket			0	1	79	1	79	1	79	1	79	1	79	1	79	1	78

Description	Shoe w	idth	Operatin	g weight	Ground	pressure	Overal	l width	Operatin	g weight	Ground	pressure	Overal	width
	mm	in	kg	lb	kPa	psi	mm	in	kg	lb	kPa	psi	mm	in
C300EL	<u> </u>													
				9 kg (2,6	70 lb) / 1.	, 3.05 m (1 32 m³ (34) lb) counte	9 gal) bu			9 kg (2,6	70 lb) / 1.3	3.05 m (32 m³ (34 lb) count	9 gal) but	
	600	24	30,640	67,560	59.1	8.6	3,190	10'6"	30,940	68,220	59.7	8.7	3,190	10'6"
	600 (HD)	24	30,860	68,050	59.5	8.6	3,190	10'6"	31,150	68,690	60.1	8.7	3,190	10'6"
Triple grouser	700	28	31,230	68,860	51.6	7.5	3,290	10'10"	31,520	69,500	52.1	7.6	3,290	10'10"
grouser	800	31	31,590	69,660	45.7	6.6	3,390	11'1"	31,880	70,300	46.1	6.7	3,390	11'1"
	900	35	31,950	70,450	41.1	6.0	3,490	11'5"	32,240	71,090	41.5	6.0	3,490	11'5"
Double grouser	700	28	31,420	69,280	52.0	7.5	3,290	10'10"	31,710	69,920	52.4	7.6	3,290	10'10"
				0'4") boo		e), 3.05 m						e), 3.05 m	ı (10'0") a 19 gal) bud	
			1,22) lb) counte		кет,	1,20			Ib) count		.net,
	600	24	31,230					10'6"	31,610					10'6"
	600 600 (HD)	24 24		6,200 k	g (13,670) lb) counte	rweight			6,200 k	g (13,670	lb) count	erweight	
Triple	EMM COST THE REST		31,230	6,200 k	g (13,670 60.3	8.7	3,190	10'6"	31,610	6,200 k	g (13,670 61.0	lb) count	3,190	10'6"
Triple grouser	600 (HD)	24	31,230 31,450	6,200 k 68,860 69,350	g (13,670 60.3 60.7	8.7 8.8	3,190 3,190	10'6" 10'6"	31,610 31,820	6,200 k 69,700 70,160	g (13,670 61.0 61.4	8.8 8.9	3,190 3,190	10'6" 10'6"
27 7 57 A 57 57 5 5 5 5 5 5 5 5 5 5 5 5 5	600 (HD) 700	24 28	31,230 31,450 31,820	6,200 k 68,860 69,350 70,160	60.3 60.7 52.6	8.7 8.8 7.6	3,190 3,190 3,190 3,290	10'6" 10'6" 10'10"	31,610 31,820 32,190	6,200 k 69,700 70,160 70,980	g (13,670 61.0 61.4 53.2	8.8 8.9 7.7	3,190 3,190 3,290	10'6" 10'6" 10'10"
27 7 57 A 57 57 5 5 5 5 5 5 5 5 5 5 5 5 5	600 (HD) 700 800	24 28 31	31,230 31,450 31,820 32,180	6,200 k 68,860 69,350 70,160 70,960	60.3 60.7 52.6 46.6	8.7 8.8 7.6 6.7	3,190 3,190 3,290 3,390	10'6" 10'6" 10'10" 11'1"	31,610 31,820 32,190 32,550	6,200 k 69,700 70,160 70,980 71,770	g (13,670 61.0 61.4 53.2 47.1	8.8 8.9 7.7 6.8	3,190 3,190 3,290 3,390	10'6" 10'6" 10'10" 11'1"
grouser	600 (HD) 700 800 900 700	24 28 31 35	31,230 31,450 31,820 32,180 32,540	6,200 k 68,860 69,350 70,160 70,960 71,750	9 (13,670 60.3 60.7 52.6 46.6 41.9	8.7 8.8 7.6 6.7 6.1	3,190 3,190 3,290 3,390 3,490	10'6" 10'6" 10'10" 11'1" 11'5"	31,610 31,820 32,190 32,550 32,910	6,200 k 69,700 70,160 70,980 71,770 72,570	g (13,670 61.0 61.4 53.2 47.1 42.3	8.8 8.9 7.7 6.8 6.1	3,190 3,190 3,290 3,390 3,490	10'6" 10'6" 10'10" 11'1" 11'5"
grouser Double grouser	600 (HD) 700 800 900 700	24 28 31 35	31,230 31,450 31,820 32,180 32,540 32,010	6,200 k 68,860 69,350 70,160 70,960 71,750 70,580	60.3 60.7 52.6 46.6 41.9 52.9	8.7 8.8 7.6 6.7 6.1	3,190 3,190 3,290 3,390 3,490 3,290 25'11") arr	10'6" 10'6" 10'10" 11'1" 11'5" 10'10"	31,610 31,820 32,190 32,550 32,910	6,200 k 69,700 70,160 70,980 71,770 72,570	g (13,670 61.0 61.4 53.2 47.1 42.3	8.8 8.9 7.7 6.8 6.1	3,190 3,190 3,290 3,390 3,490	10'6" 10'6" 10'10" 11'1" 11'5"
grouser Double grouser	600 (HD) 700 800 900 700	24 28 31 35	31,230 31,450 31,820 32,180 32,540 32,010	6,200 k 68,860 69,350 70,160 70,960 71,750 70,580	60.3 60.7 52.6 46.6 41.9 52.9	8.7 8.8 7.6 6.7 6.1 7.7 8), 7.9 m (2 57 m³ (150	3,190 3,190 3,290 3,390 3,490 3,290 25'11") arr	10'6" 10'6" 10'10" 11'1" 11'5" 10'10"	31,610 31,820 32,190 32,550 32,910	6,200 k 69,700 70,160 70,980 71,770 72,570	g (13,670 61.0 61.4 53.2 47.1 42.3	8.8 8.9 7.7 6.8 6.1	3,190 3,190 3,290 3,390 3,490	10'6" 10'6" 10'10" 11'1" 11'5"
grouser Double grouser	600 (HD) 700 800 900 700	24 28 31 35 28	31,230 31,450 31,820 32,180 32,540 32,010	6,200 k 68,860 69,350 70,160 70,960 71,750 70,580	g (13,670 60.3 60.7 52.6 46.6 41.9 52.9 boom (LF 0 lb) / 0.	8.7 8.8 7.6 6.7 6.1 7.7 8), 7.9 m (2 57 m³ (150 0 lb) counted	3,190 3,190 3,290 3,390 3,490 3,290 55'11") arr 0 gal) bucerweight	10'6" 10'6" 10'10" 11'1" 11'5" 10'10"	31,610 31,820 32,190 32,550 32,910	6,200 k 69,700 70,160 70,980 71,770 72,570	g (13,670 61.0 61.4 53.2 47.1 42.3	8.8 8.9 7.7 6.8 6.1	3,190 3,190 3,290 3,390 3,490	10'6" 10'6" 10'10" 11'1" 11'5"
grouser Double grouser EC300ELR	600 (HD) 700 800 900 700	24 28 31 35 28	31,230 31,450 31,820 32,180 32,540 32,010 10.2 n 478	6,200 k 68,860 69,350 70,160 70,960 71,750 70,580 a (33'6") a kg (1,05 6,900 k	g (13,670 60.3 60.7 52.6 46.6 41.9 52.9 boom (LF 0 lb) / 0. g (15,210 61.3	8.7 8.8 7.6 6.7 6.1 7.7 8), 7.9 m (2 57 m³ (150 0 lb) counte	3,190 3,190 3,290 3,390 3,490 3,290 55'11") arr 0 gal) buc erweight 3,190	10'6" 10'6" 10'10" 11'1" 11'5" 10'10" n (LR), ket,	31,610 31,820 32,190 32,550 32,910	6,200 k 69,700 70,160 70,980 71,770 72,570	g (13,670 61.0 61.4 53.2 47.1 42.3	8.8 8.9 7.7 6.8 6.1	3,190 3,190 3,290 3,390 3,490	10'6" 10'6" 10'10" 11'1" 11'5"

												OOEL		
		Capa	acity	Cutting	width	We	ight	Teeth	600 mm	(24") sho	e, 6,200 l	kg (13,670) lb) count	erweight
Bucket type General purpose Direct fit bucket Heavy duty	et type	опре	2011,	Cutting	width	100	giit	reetii	6.2 m	(20'4") GF	Boom		95 m (19'6 piece Boo	
		L	yd ³	mm	in	kg	lb	EA	2.55 m (8'4")	3.05 m (10'0")	3.7 m (12'2")	2.55 m (8'4")	3.05 m (10'0")	3.7 m (12'2")
		550	0.72	600	23.6	883	1,946	3	С	С	С	С	С	С
		660	0.86	750	29.5	867	1,912	3	С	С	С	С	С	С
		770	1.01	900	35.4	996	2,197	4	С	С	С	С	С	С
		950	1.24	1,090	42.9	1,025	2,260	4	С	С	С	С	C	С
		1,140	1.49	1,240	48.8	1,192	2,629	5	С	С	С	С	С	С
		1,320	1.73	1,390	54.7	1,209	2,666	5	С	С	С	С	С	С
	parpose	1,450	1.90	1,490	58.7	1,270	2,799	5	С	С	С	С	С	С
		1,510	1.98	1,540	60.6	1,314	2,897	5	С	С	С	С	С	С
		1,760	2.30	1,740	68.5	1,448	3,193	6	С	С	В	С	С	В
		1,930	2.52	1,840	72.4	1,529	3,370	6	С	С	В	С	В	Α
Ducket		2,060	2.69	1,950	76.8	1,590	3,506	6	С	В	Α	С	В	Α
		550	0.72	600	23.6	881	1,942	3	D	D	D	D	D	D
		660	0.86	750	29.5	920	2,029	3	D	D	D	D	D	D
		1,140	1.49	1,240	48.8	1,214	2,677	5	D	D	D	D	D	D
	Heavy	1,270	1.66	1,405	55.3	1,336	2,945	5	D	D	D	D	D	D
	duty	1,320	1.73	1,390	54.7	1,301	2,868	5	D	D	D	D	D	D
		1,510	1.98	1,540	60.6	1,387	3,058	5	D	D	D	D	D	С
		1,690	2.21	1,690	66.5	1,485	3,274	5	D	D	В	D	D	В
		1,930	2.52	1,840	72.4	1,623	3,578	6	С	В	Α	С	В	Α
		550	0.72	600	23.6	883	1,946	3	С	С	С	С	С	С
		660	0.86	750	29.5	867	1,912	3	С	С	С	С	С	С
		770	1.01	900	35.4	996	2,197	4	С	С	С	С	С	С
		950	1.24	1,090	42.9	1,025	2,260	4	С	С	С	С	С	С
		1,140	1.49	1,240	48.8	1,192	2,629	5	С	С	С	С	С	С
	General	1,320	1.73	1,390	54.7	1,209	2,666	5	С	С	С	С	С	С
	purpose	1,450	1.90	1,490	58.7	1,270	2,799	5	С	С	С	С	С	В
Diseast 6th		1,510	1.98	1,540	60.6	1,314	2,897	5	С	С	В	С	С	В
Direct fit bucket		1,760	2.30	1,740	68.5	1,448	3,193	6	С	В	Α	С	В	Α
(UQC		1,930	2.52	1,840	72.4	1,529	3,370	6	В	В	Α	В	Α	х
interface)		2,060	2.69	1,950	76.8	1,590	3,506	6	В	Α	×	В	Α	x
		550	0.72	600	23.6	881	1,942	3	D	D	D	D	D	D
	С	660	0.86	750	29.5	920	2,029	3	D	D	D	D	D	D
		1,140	1.49	1,240	48.8	1,214	2,677	5	D	D	D	D	D	D
		1,320	1.73	1,390	54.7	1,301	2,868	5	D	D	С	D	D	С
		1,510	1.98	1,540	60.6	1,387	3,058	- 5	D	D	В	D	С	В
		1,690	2.21	1,690	66.5	1,485	3,274	5	D	В	Α	С	В	Α
		1,930	2.52	1,840	72.4	1,623	3,578	6	В	A	x	В	Α	×

For long reach boom and arm configuration, Volvo recommends to use 0.57 m³ (0.75 yd³) bucket 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.

IVId	ximum materal o	rensity	
	kg/m³	lb/yd ³	
A	1,200~1,300	2,000~2,200	Coal, Caliche, Shale
В	1,400~1,600	2,300~2,700	Wet earth and clay, Limestone, Sandstone
С	1,700~1,800	2,800~3,100	Granite, Wet sand, Well blasted rock
D	> 1,900	> 3,200	Wet mud, Iron ore
X	Not recommend	ded	

or lifting capaci	ty including	bucket,	simply s													
	Lifting	1.5 m	, 5 ft	3.0 m	, 10 ft	4.5 m		6.0 m		7.5 m		9.0 m			ax. Reac	<u>h</u>
	Point	Along UC	Across	Along UC	Across	Along UC	Across	Along UC	Across	Along UC	Across	Along UC	Across	Along UC	Across	Max.
	7.5 m kg							*7,740	*7,740	NE SOLE		344 E.L.		*7,900	7,640	6.52 m
	25 ft lb							*17,180	*17,180					*17,450	17,300	21.04
	6.0 m kg							*8,080	*8,080	*7,890	6,040			*7,900	5,970	7.55 m
	20 ft lb							*17,660	*17,660					*17,420	13,320	24.60
	4.5 m kg					*11,410	*11,410	*9,190	8,330	*8,220	5,930			7,940	5,160	8.18 n
Boom :	15 ft lb					*24,500	*24,500	*19,940	17,970	*17,970	12,770			17,600	11,440	26.76
5.2 m , 20'34"	3.0 m kg					*14,580	11,950	*10,630	7,930	*8,890	5,740			7,370	4,760	8.50 r
Arm :	10 ft lb					*31,310	25,820	*23,000	17,120	19,250	12,390			16,280	10,520	27.86
2.55 m, 8'4"	1.5 m kg					*16,750	11,340	*11,900	7,590	8,740	5,570			7,220	4,630	8.54
Shoe : 600 mm, 24"	5ft lb					*36,130	24,460	*25,760	16,380	18,830	12,020			15,910	10,220	28.01
CWT:	0 m kg					*17,340	11,140	12,030	7,390	8,610	5,450			7,440	4,750	8.31
6,200 kg,	Oft Ib					*37,580	23,990	25,890	15,940	18,560	11,770			16,410	10,480	27.25
3,670 lb	-1.5 m kg			*12,880	*12,880	*16,910	11,150	11,970	7,340	8,590	5,430			8,170	5,190	7.78
(5)	-5 ft lb			*29,370	*29,370	*36,700	24,000	25,760	15,830	18,530	11,740			18,050	11,470	25.48
	-3.0 m kg			*21,080	*21,080	*15,540	11,310	*11,740	7,430					9,850	6,200	6.88
	-10 ft lb			*45,790	*45,790	*33,640	24,350	*25,310	16,040					*21,770	13,770	22.48
	-4.5 m kg					*12,520	11,670							*10,110	8,870	5.44
	-15 ft lb			*36,120	*36,120	*26,730	25,170							*22,290		
	7.5 m kg													*6,380	*6,380	7.20
	25 ft lb													A TRANSPORT OF THE PARTY OF THE	*14,340	
	6.0 m kg									*7,240	6,130			*6,120	5,320	8.15
	20 ft lb									*15,950	13,210			*13,690		26.5
	4.5 m kg					*10,280	*10,280		8,440	*7,710	5,990			*6,120	4,680	8.73
300m :	15 ft lb					110 100	10.010	*18,510	18,210	*16,850	12,910	+0.000	4.070	*13,640		28.58
5.2 m , 20'34" Arm :	3.0 m kg					*13,480		*10,050		*8,470	5,780	*6,600	4,370	*6,330	4,350	9.03
3.05 m, 10'0"	10 ft lb					*28,820	THE PROPERTY OF STREET	*21,680		*18,410	12,450	0.070	4.000	*14,080	9,600	29.6
Shoe:	1.5 m kg					*16,040		*11,460	7,640	8,760	5,580	6,670	4,290	6,600	4,240	9.07
600 mm, 24"	5 ft lb					*34,380	LES U. CONTRACTOR	*24,710	16,380	18,840	12,000			14,540	9,340	29.76
CWT:	0 m kg					*17,170	11,140	12,040	7,390	8,600	5,430			6,770	4,330	8.85
6,200 kg,	Oft Ib	+7040	47010	*44.750	*44.750		23,730	25,780	15,820	18,470	11,670			14,920 7,330	9,530 4,660	8.36
13,670 lb	-1.5 m kg		*7,610		*11,750	*17,140	11,070	11,920	7,290	8,530	5,370			16,170	10,280	27.38
	-5 ft lb			*26,870	La State Control of the Control	Control of the second	The Property of the Section of the	25,520	15,600	18,340	11,550			8,560	5,420	7.53
	-3.0 m kg						11,170	11,970	7,330	8,610	5,440			18,970	11,990	24.6
	-10 ft lb	1000	^31,360	*44,400	A SECURITY OF THE PARTY.	A	a local designation of the local designation o	25,650	15,710					*9,460	7,180	6.24
	-4.5 m kg					*13,800 *29,460									16,080	
	-15 ft lb			40,570	40,570	29,460	24,520	21,200	10,510	*6,290	6,220			*4,930	*4,930	
	7.5 m kg 25 ft lb										*12,940				*10,930	
	6.0 m kg									*6,390	6,170			*4,750	4,660	8.82
	20 ft lb										13,270			*10,490		
	4.5 m kg							*7,580	*7,580	*6,980	6,010	*6,390	4,450	*4,750	4,150	9.36
	15 ft lb							,	*16,450			*12,690		*10,460	9,190	30.6
Boom :	3.0 m kg					*11.960	*11,960	*9,180	8,110	*7,840	5,790	6,740	4,350	*4,900	3,880	9.64
6.2 m, 20'34"	10 ft lb						*25,720			*17,060		14,510	9,350	*10,780	8,560	31.6
Arm :	1.5 m kg					When there I was considered	11,680	The second second second		*8,730	5,560	6,620	4,230	*5,200	3,780	9.67
3.7 m, 12'2"	5 ft lb						25,180					14,250	9,110	*11,460		
Shoe:	0 m kg			*6.730	*6.730	*16,680				8,550	5,380	6,520	4,140	*5,730		
600 mm, 24"	Oft Ib					*36,090					11,600	14,040				
CWT:	-1.5 m kg		*6,940			and the same of the	and the second second	11,870	7,220	8,440	5,280	6,480	4,100	6,470	4,100	9.01
5,200 kg, 13,670 lb	-5 ft lb										11,390	,		14,290	9,050	
0,070 10	-3.0 m kg								7,200	8,440	5,280			7,370	4,650	
	-10 ft lb	*25.970	*25.970	*37.550	*37.550	*36.120	23.750	25,460							10,320	
	-4.5 m kg													*8,820		
	-15 ft lb														13,060	
	-6.0 m kg		,			*11,150			Para					and the second second	*9,030	
	-20 ft lb					*23,290		Annual Manager						*19,890		

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.

For lifting capac	ity including		simply s	T	actual w				, 20 ft		7		er from		ving valu lax. Read	
	Lifting Point	Along	Across	Along	Across	Along	, 15 ft Across	Along	Across	Along	25 ft Across	Along	Across	Along	Across	Max.
		uc	UC	uc	Luc	uc	uc	UC	UC	UC	uc	UC	uc	UC	UC	
	7.5 m kg							*7,700	*7,700					*7,860	*7,860	6.52 m
	25 ft lb							*17,100	*17,100	+7040	0.040			*17,360	*17,360	21.04 f
	6.0 m kg 20 ft lb							*8,040 *17,570	*8,040 *17,570	*7,840	6,240			*7,850 *17,300	6,170 13,780	7.55 m
	4.5 m kg					*11.250	*11,350	*9,140	8,620	*8,160	6,130			*7,990	5,340	24.601 8.18 m
Boom:	15 ft lb							*19,820		*17,850	13,210			*17,610	11,830	26.76 f
6.2 m, 20'34"	3.0 m kg					*14,480		*10,560	8,190	*8,820	5,940			7,660	4,920	8.50 m
Arm:	10 ft lb						26,680	*22,840		*19,200	12,810			16,910	10,870	27.86 f
2.55 m , 8'4"	1.5 m kg					*16,620		*11,810	7,840	9,080	5,750			7,490	4,790	8.54 n
Shoe:	5ft lb						25,240	*25,560		19,560	12,420			16,530	10,560	28.01
800 mm, 32" CWT :	0 m kg					*17,200	MINERAL PROPERTY.	12,490	7,630	8,940	5,630			7,730	4,910	8.31m
6,200kg,	Oft Ib						24,740	26,870	16,460	19,270	12,150			17,040	10,830	27.25
13,670 lb	-1.5 m kg			*12,880	*12,880	DESCRIPTION OF STREET	11,490	12,420	7,570	8,920	5,610			8,480	5,360	7.78 m
	-5 ft. lb			*29,370	*29,370	*36,390	24,740	26,720	16,330	19,230	12,120			18,740	11,840	25.48
	-3.0 m kg			*20,880	*20,880	*15,400	11,660	*11,630	7,660					*9,770	6,400	6.88 n
	-10 ft lb			*45,350	*45,350	*33,340	25,100	*25,080	16,550					*21,570	14,210	22.46
	-4.5 m kg			*16,640	*16,640	*12,400	12,030							*10,010	9,150	5.44 n
	-15 ft lb			*35,730	*35,730	*26,450	25,950							*22,050		17.54 f
	7.5 m kg													*6,470	*6,470	7.20 n
	25 ft lb														*14,340	
	6.0 m kg									*7,190	6,360			*6,200	5,510	8.15 n
	20 ft lb					W12727272				*15,850	BOOK INCOME THE SAME				12,290	26.57
Paam .	4.5 m kg					*10,200	*10,200	*8,480		*7,660	6,200			*6,200	4,840	8.73 n
Boom : 6.2 m, 20'34"	15 ft lb					*10.000	10.550	Extra Paris Control (Mary 1995)	*18,400	I MANUAL PROPERTY.	13,360	*0.000	4.500	*13,640		28.58
Arm :	3.0 m kg 10 ft lb					*13,320		*9,950	8,270	*8,390	5,970	*6,680	4,520	*6,400	4,500	9.03 n
3.05 m, 10'0"	10 ft lb					*28,630 *15,820	and the second second second second	*21,540 *11,320	17,850 7,840	*18,270 9,080	12,880 5,750	6,930	4,420	*14,080	9,930 4,380	29.61 9.07 n
Shoe:	5 ft lb					Charles Andrews	25,310	*24,520		19,570	12,400	0,930	4,420	*15,030	and the state of t	29.76
800 mm, 32"	Om kg					*16,910	HARRIST THE REAL PROPERTY OF	*12,230	E - United States Body	8,900	5,590			7,030	4,460	8.85 r
CWT:	Oft Ib						24,490	*26,510		19,190	12,060			15,490	9,850	29.04
6,200 kg, 13,670 lb	-1.5 m kg	*7,690	*7.690	*11,840	*11.840	Constitution of the State State States	the second section is a second	12,310	7,460	8,830	5,520			7,600	4,810	8.36 r
10,07010	-5 ft lb			*26,870	- Committee of the comm	A TOWN WITH THE PARTY OF	A STATE OF THE PARTY OF THE PAR	26,490	16,100	19,040	11,930			16,790	10,620	27.38
	-3.0 m kg	Settle Company of the second	THE TIES IN THE CONT	*19,530	THE PLANE SHALL BE SELECT		THE RESERVE THE PARTY OF THE PA	*11,950	7,510	8,920	5,600			8,870	5,580	7.53 n
	-10 ft lb			*44,400		The state of the s	and the second	and the second of			0.515,550			19,690	12,380	24.61
	-4.5 m kg			*18,650	*18,650	*13,580	11,730	*9,940	7,770					*9,330	7,380	6.24 n
	-15 ft lb			*40,150	*40,150	*29,170	25,300	*20,990	16,840					*20,590	16,600	20.23
	7.5 m kg									*6,260	*6,260			*4,930	*4,930	7.96 n
	25 ft lb									*12,940	*12,940			*10,930	*10,930	25.82
	6.0 m kg										*6,350			*4,750	*4,750	8.82 r
	20 ft lb									Contract and the second second	13,760			and programming translations	*10,490	28.78
	4.5 m kg							*7,540	*7,540	*6,940	6,230	*6,390	4,610	*4,750	4,300	9,36 r
	15 ft lb							THE PARTY OF THE P	*16,370	A SHIP CAR STORY	13,410	*12,690	and the second s	*10,460	and the same of the same	30.64
Boom :	3.0 m kg						*11,890		8,390	*7,780	5,990	7,020	4,500	*4,900	4,010	9.64 r
6.2 m, 20'34" Arm :	10 ft lb					PARTICIPATION AND ADDRESS.	attended to the section of	*19,750	NUMBER OF STREET	*16,940	The second second second second	15,100	9,680	*10,780	Company of the Compan	31.60
3.7 m, 12'2"	1.5 m kg						A STATE OF THE PERSON AS A PER	*10,690		*8,670	5,760	6,880	4,380	*5,200	3,910	9.67 r
Shoe:	5 ft lb			*6700	*6700	and the second second	26,010	*23,150		*18,830	Property and property	14,820	9,430	*11,460		31.74
800 mm, 32"	0 m kg			*6,730		*16,550		*11,860	7,630	8,890	5,570	6,780	4,280	*5,730	3,980	9.47 r
CWT:	Oft lb	*6040	*C 040					*25,700	and the second second second second	19,140	12,000	14,600	9,230	*12,630	The second second second second second second	31.07
6,200 kg,	-1.5 m kg			*10,930				12,320	7,460	8,770	5,460	*6,710	4,240	*6,590	4,240	9.01
13,670 lb	-5 ft lb			*24,780 *16,550				26,480	ANTONIO MININE	18,880 8,760	11,770 5,450			*14,580	A Principal Control of the Control o	29.53
	-3.0 m kg	The state of the state of						*12,260		18,890	11,780			7,660 16,970	4,810 10,660	8.25 r 26.98
	-4.5 m kg									10,030	11,700			*8,730	a married to be to be to be to be	7.10 r
	-15 ft lb													*10.000		

-4.5 m kg *1/,310 *21,140 *21,140 *34,860 11,580 *11,040 7,560 *8,730 6,030 710 m
-15 ft lb *39,050 *39,050 *45,580 *32,020 24,940 *23,680 16,340 *19,290 13,490 23,07 ft
-6.0 m kg *15,590 *11,030 *11,030 *8,930 8,930 5.29 m
-20 ft lb *32,890 *32,890 *23,030 *23,030 *23,030 *19,660 *19,660 16,85 ft

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

or lifting capaci	it the arm e	hucke	t simpl	VSI	ibtract a	actual w	eight of	the direc	t fit buck	cet or the	e bucket	with qui	ick coup	er from	the follow	ving valu	ies.
or mining capaci		1.5 m, 5 ft		T	3.0 m		4.5 m, 15 ft		6.0 m, 20 ft		7.5 m, 25 ft			, 30 ft		lax. Reac	ch
	Lifting Point	Along	1		Along UC	Across UC	Along UC	Across	Along UC	Across	Along UC	Across	Along UC	Across	Along UC	Across UC	Max.
	9.0 m kg						*11,710	*11,710		Service .	1.02.55.55		71.72	A India	*10,640	*10,640	4.94 r
	30 ft lb						*25,816	*25,816							*23,457	*23,457	16.21
	7.5 m kg						*11,290	*11,290	*10,050	8,810					*9,320	7,450	6.61r
	25 ft lb						*24,890	*24,890	*22,156	19,423					*20,547	16,424	21.69
2	6.0 m kg				*12,170	*12,170	*12,290	*12,290	*10,310	8,660	*9,210	6,000			*8,900	5,820	7.63 r
Boom : 6.2 m, 20'34" 2-piece	20 ft lb			+	*26,830	*26,830	*27,095	*27,095	*22,730	19,092	*20,305	13,228			*19,621	12,831	25.03
	4.5 m kg						*14,310	12,900	*11,120	8,300	9,170	5,880			7,840	5,030	8.25
Arm :	15 ft lb						*31,548	28,440	*24,515	18,298	20,216	12,963			17,284	11,089	27.07
2.55 m , 8'4"	3.0 m kg						*16,440	11,850	*12,040	7,860	8,940	5,680			7,280	4,640	8.56
Shoe:	10 ft lb						*36,244	26,125	*26,544	17,328	19,709	12,522			16,050	10,229	28.08
600 mm, 24"	1.5 m kg								12,260	7,490	8,730	5,490			7,120	4,510	8.60
CWT:	5 ft lb								27,029	16,513	19,246	12,103			15,697	9,943	28.22
6,200 kg,	0 m kg							10,980	12,010	7,280	8,600	5,370			7,350	4,630	8.37
13,670 lb	0 ft lb						STATE OF THE PARTY OF THE PARTY.	24,207	26,477	16,050	18,960	11,839			16,204	10,207	27.46
	-1.5 m kg						*14,390		*11,290	7,230	*8,570	5,360			*7,840	5,060	7.85
	-5 ft lb						*31,724		*24,890		*18,894	11,817			*17,284	11,155	25.75
	-3.0 m kg						*11,380		*8,970	7,350					*6,980	6,050	6.96
	-10 ft lb							24,692	*19,775	16,204					*15,388		22.83
Boom: 6.2 m, 20'34" 2-piece Arm: 3.05 m, 10'0" Shoe: 600 mm, 24" CWT: 6,200 kg, 13,670 lb	9.0 m kg						*9,760	*9,760							*7,380	*7,380	5.83
	30 ft lb						*21,517		10.100	0.010						*16,270	
	7.5 m kg						*9,190	*9,190	*9,400	9,010					*6,550	6,420	7.29
	25 ft lb						The water of the second	*20,260	CONTRACTOR DESCRIPTION AND ADDRESS.	The state of the state of the	+0.750	0400			*14,440	and the second second	23.9
	6.0 m kg						*9,740	*9,740	*9,760	8,830	*8,750	6,120			*6,230	5,200	8.22
	20 ft lb						the state of the said	*21,473	*21,517	19,467	*19,290				*13,735	and the same of th	26.9° 8.80
	4.5 m kg							13,190	*10,620	8,430	*9,060	5,950			*6,180 *13,625	4,560 10,053	28.8
	15 ft lb							29,079	*23,413	18,585	*19,974	13,117	6760	1 210	*6,340	4,240	9.10
	3.0 m kg							12,070	*11,640	7,940	8,990 19,820	5,720 12,610	6,760 14,903	4,310 9,502	*13,977	9,348	29.8
	10 ft lb						NAME OF TAXABLE PARTY.	26,610	*25,662 12,280	17,505 7,500	8,740	5,490	6,660	4,210	6,510	4,120	9.13
	1.5 m kg							24,736	27,073	16,535	19,268	12,103	14,683	9,281	14,352	9,083	29.9
	5ft lb						A STATE OF THE PARTY OF THE PAR	10,860	11,960	7,220	8,560	5,330	14,000	5,201	6,680	4,210	8.92
	0 m kg 0 ft lb							23,942	26,367	15,917	18,872	11,751			14,727	9,281	29.2
	-1.5 m kg				*11.010	*11,010	Committee of the Commit	10,800	*11,650	7,120	8,490	5,270			7,230	4,540	8.43
	-5 ft lb							23,810			18,717	11,618			15,939	10,009	
	-3.0 m kg				24,270	24,210	Carried Control	10,950	*9,820	7,190	*6,990	5,370			*6,700	5,280	7.61
	-10 ft lb						*27,668		*21,649		*15,410	11,839			*14,771	11,640	24.9
	10.5 m kg			-		700	*7,390		2.10.10	10,001	101110	11,000			*6,910	*6,910	4.67
Boom: 6.2 m, 20'34" 2-piece Arm: 3.7 m, 12'2" Shoe: 600 mm, 24" CWT: 6,200 kg, 13,670 lb	35 ft lb							*16,292								*15,234	15.3
	9 m kg						1000		*7,200	*7,200					*5,520	*5,520	
	30 ft 1b									*15,873					*12,170	*12,170	22.18
	7.5 m kg								*7,460	*7,460		6,220			*4,990	*4,990	8.05
	25 ft lb								*16,446	*16,446		13,713			*11,001	*11,001	26.4
	6.0 m kg						*7,060	*7,060	*7,820	*7,820	THE PERSON NAMED IN COLUMN	6,170			*4,770	4,540	8.90
	20 ft lb						*15,565	*15,565	*17,240	*17,240	*16,976	13,603			*10,516	10,009	29.2
	4.5 m kg				*10,040	*10,040	*9,870	*9,870	*9,580	8,550	*8,520	5,990	*6,700	4,400			9.44
	15 ft lb							*21,760					*14,771	9,700	*10,428	8,885	30.9
	3.0 m kg							12,500			9,030	5,740	6,750	4,290	*4,850	3,770	9.71
	10 ft lb						*32,342	27,558	*24,361	17,791	19,908	12,655	14,881	9,458	*10,692	8,311	31.8
	1.5 m kg	2500					*16,560	11,560	*12,030	7,610	8,760	5,500	6,610	4,170	*5,110	3,670	9.75
	5 ft lb						*36,509	25,485	*26,522	16,777	19,312	12,125	14,573	9,193	*11,266		31.9
	0 m kg				*5,950	*5,950	*16,980	11,040	12,040	7,280	8,540	5,300	6,510	4,070	*5,570		9.55
	Oft Ib							24,339		16,050	18,827	11,684	14,352	8,973	*12,280	8,245	31,3
	-1.5 m kg						And the second second	10,860		7,110	8,420	5,200	6,470	4,040	*6,330	3,990	9.09
	-5 ft lb				*22,487	*22,487	*35,450	23,942	26,103	15,675	18,563	11,464	14,264	8,907	*13,955	8,796	29.8
	-3.0 m kg				*15,880	*15,880	*14,010	10,900	*10,720	7,100	*8,110	5,210			*6,470		8.34
	-10 ft lb							7 24,030			*17,879	11,486			*14,264	9,987	27.3
	-4.5 m kg						The state of the state of	*10,510									7.20
	- 15 ft lb						*23.171	*23,171	*17.593	16.006							23.6

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

For lifting capacit			out buck		actual	eight of	the direc	t fit buck	cet or th	e bucket	with au	ck count	er from t	he follow	vina vale	ies
or ming capacit	y including		0 ft	1.5 m			, 10 ft		, 15 ft	6.0 m		7.5 m,		ne ronov	virig valu	ies.
	Lifting	Along	Across	Along	Across	Along	Across	Along	Across		Across	Along	Across			
	point	UC	UC	UC	UC	UC	UC	UC	UC	UC	UC	UC	UC			
Boom : 10.2 m LR,	3.0 m kg					*4,200	*4,200					*5,290	*5,290			
	10 ft lb					*10,510	*10,510					*11,440	*11,440			
	1.5 m kg							*5,640	*5,640	*7,990	7,430	*6,160	5,510			
	5ft lb							*13,270	*13,270	*17,240	16,080	*13,330	11,910			
	0 m kg					*1,810	*1,810	*3,990	*3,990	*9,090	6,640	*6,920	4,990			
	Oft lb					*4,110	*4,110	*9,140	*9,140	*19,650	14,350	*14,980	10,780			
	-1.5 m kg			*1,780	*1,780	*2,370	*2,370	*3,940	*3,940	*7,280	6,140	*7,500	4,610			
	-5ft lb			*3,960	*3,960	*5,320	*5,320	*8,930	*8,930	*16,750	13,250	*16,240	9,950			
	-3 m kg	*2,440	*2,440	*2,460	*2,460	*3,030	*3,030	*4,360	*4,360	*7,040	5,870	7,680	4,360			
33'6"	-10 ft lb	*5,430	*5,430	*5,480	*5,480	*6,800	*6,800	*9,850		*16,070	12,650	16,540	9,410			
Arm :	-4.5 m kg	*2,990	*2,990	*3,150	*3,150	*3,760	*3,760	*5,010	*5,010	*7,440	5,750	7,530	4,230			
7.9 m LR, 25'9"	-15 ft lb	*6,660	*6,660	*7,040	*7,040	*8,430	and the second second	LEAD HOW BOOK UP LESS OF	CONTRACTOR OF THE PARTY OF THE	*16,950	12,400	16,220	9,130			
Shoe:	-6 m kg	*3,600	*3,600	*3,880	*3,880	*4,550	*4,550	*5,840	*5,840	*8,240	5,750	7,480	4,190			
300 mm, 32" CWT :	-20ft lb	est shared from the barry being	*8,040		and their rations in	*10,230	Commission Control of the Address.	rusquieth fotor shae	and a residence of the same	*18,800	A VIDE TO STATE OF THE PARTY OF	16,120	9,040			
6,900 kg,	-7.5 m kg	*4,270	*4,270	*4,660	*4,660		*5,440	A CONTRACTOR OF THE PARTY OF TH	*6,840	*9,410	5,840	7,520	4,220			
15,210 lb	-25 ft lb	*9,540	 metuly/discretization 	*10,450	Sec. of Sec. State State State State	CHINGS A CHING TO SERVICE AND ADDRESS.	1. maraly 13 20 40 14 20 20 1	School State Control	THE SECURITY OF SECURITY	THE PERSON NAMED AND POST OF	12,590	16,210	9,120			
10,210 10	-9 m kg	*4,990	*4,990	*5,510	*5,510			*8,050		*9,240	6,000	*7,450	4,330			
	-30 ft lb	*11,160	~11,160	*12,370			STREET, SQUARE STATE	THE PERSON NAMED IN	ENTHROPING THE RES	*19,930	12,970	*16,050	9,360			
	-10.5 m kg -35 ft lb				*6,450	*7,600		*9,580		*8,310 *17,780	6,250 13,540	*6,750 *14,430	4,510 9,780			
	All the second sections are section.			"14,500	14,500	*17,180		*21,860 *8,680		I SAN THE SAN		Towns of the Section of the	A CO. STATE OF STREET			
	-12 m kg -40 ft lb					The state of the s		*18,250		*6,900 *14,520	6,620 14,370	*5,620 *11,780	4,790 10,430			
	-40 it ib					20,300	20,360	10,230	10,230	*4,690	100 V 00 100 00 00 00 00 00 00 00 00 00 00 00	11,700	10,430			
	-45 ft lb									*10,340						
	-45 IL ID	9.0 m	, 30 ft	10.5 m	n, 35 ft	12.0 n	n, 40 ft	13.5 n	n, 45 ft	15.0 m			n, 55 ft	N	1ax. reac	h
		Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	0553
		uc	UC	บตั	uc	บตั	UC	บตั	UC	uc	uc	uc	UC	uc	UC	Max
	13.5 m kg													*1,330	*1,330	12.94
	45 ft lb													*2,970	*2,970	41.79
	12.0 m kg							*1,870	*1,870					*1,260		14.14
	40 ft lb							*3,470	*3,470					*2,790	manufacture of the same	45.93
	10.5 m kg							*2,460	*2,460	*1,330	*1,330			*1,210		15.10
	35ft lb							*5,080		10000	10000			*2,680	*2,680	
	9.0 m kg							*2,700	*2,700		*2,060			*1,190	*1,190	
	30 ft lb							*5,940	*5,940	*3,990	Line of the State			*2,630	*2,630	
	7.5 m kg							*2,800	2,740	*2,530	2,170			*1,180	*1,180	
	25ft lb					*2.000	*2.000	*6,140	5,860	*5,160	4,630	*1.000	1600	*2,610	*2,610	
Boom : 10.2 m LR, 33'6" Arm :	6.0 m kg						*3,060		2,630	*2,870	2,110	*1,690	1,680	*1,190	*1,190 *2,630	
	20 ft lb 4.5 m kg			*3,570	*2 570	 Service with the property of the	*6,680	*6,450 *3,130	5,640 2,510	*6,050 *2,990	4,500 2,020	*2,900 *2,080	*2,900 1,630	*2,630 *1,220		17.16
	15 ft lb			*7,770	*3,570 *7,770	*7,240	3,120 6,720	*6,840	5,380	*6,550	4,330	*3,880	3,460	*2,680	*2,680	
	3.0 m kg	*4,500	*4,500	· Curting the commen	3,660	*3,610	2,930	*3,340		*3,140	1,930	*2,360	1,570	*1,260	*1,260	17.31
	10 ft lb	*9,760	*9,760	*8,640	7,900	*7,850	6,310	*7,280	5,090	*6,860	4,130	*4,500	3,340	*2,770	*2,770	56.7
	1.5 m kg		- FEW WELLSON	*4,390	3,390	*3,900	2,740	*3,550	2,240	3,120	1,830	*2,530	1,510	*1,320	CAT STERMSON	17.33
	5ft lb	*11,020		*9,520	7,300	*8,490	5,890	*7,740	4,800	6,700	3,930	*4,830	3,220	*2,900	*2,900	
7.9 m LR, 25'9"	0 m kg	T MINISTER STREET	3,910	*4,770	3,140	*4,180	2,560	3,570	2,110	3,020	1,750	*2,560	1,450	*1,390	1,330	17.21
Shoe:	Oft Ib			*10,350		*9,090	5,510	7,690	4,530	6,500	3,740	*4,790	3,100	*3,080	2,930	56.4
800 mm, 32"	-1.5 m kg			4,970	2,930	4,110	2,410	3,450	2,000	2,940	1,670	*2,370	1,400	*1,500	1,330	16.97
CWT:	-5ft lb			10,720	6,320	8,850	5,180	7,440	4,290	6,330	3,580	*4,180	3,010	*3,310	2,940	55.6
6,900 kg,	-3 m kg		3,430	4,800	2,780	3,980	2,290	3,370	1,910	2,880	1,610	*1,810	1,380	*1,630	1,370	16.58
15,210 lb	-10 ft lb		7,390	10,360	5,980	8,590	4,930	7,250	4,110	6,210	3,470	1-15	The state of the s	*3,620	3,020	54.3
	-4.5 m kg		3,310	4,700	2,680	3,900	2,210	3,310	1,860	2,850	1,580			*1,820	1,430	16.0
	-15 ft lb		7,130	10,130	5,770	8,410	4,770	7,140	4,000	6,160	3,410			*4,030	3,170	52.5
	-6 m kg		3,250	4,650	2,630	3,870	2,180	3,290	1,840	2,860	1,590			*2,070	1,540	15.3
	-20 ft lb		7,020	10,020	5,670	8,340	4,700	7,110	3,980	*4,920	3,450			*4,610	3,430	50.1
	-7.5 m kg		3,270	4,650	2,640	3,880	2,190	3,320	1,870		W.			*2,440	1,720	14.4
	-25 ft lb		7,060	10,050	5,700	8,380	4,740	7,190	4,050					*5,470	3,830	47.1
	-9 m kg		3,340	4,720	2,700	3,950	2,260							*3,020	1,990	13.3
	-30 ft lb		7,240	10,220	1000	8,560	4,910							*6,820	4,470	43.3
	-10.5 m kg		A SPECIAL DESIGNATION	*4,640	a year to the last Actualities									*3,800		11.9
	-35 ft lb			*9,820										*8,400	a more and a second	38.4
	-12 m kg				White E									*3,840	to a company of the same of	10.0
	-40ft lb													*8,460		32.1
	-13.5 m kg													CRASSING CONTROL AND	*3,650	
														*8.047		

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 (4) are limited by hydraulic capacity rather than tipping load.

Equipment

STANDARD EQUIPMENT

Engine

Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets EU Stage V requirements

Air filter with indicator

Air intake heater

Cyclone precleaner

Electric engine shutoff

Fuel filter and water separator

Delayed engine shutdown

Alternator, 80 A

Electric / Electronic control system

Advanced mode control system

Selfdiagnostic system

Machine status indication

Engine speed sensing power control

Automatic idling system

Onetouch power boost

Safety stop/start function

Adjustable LCD color monitor

Master electrical disconnect switch

Engine restart prevention circuit

Highcapacity halogen lights:

- Frame-mounted 2

- Boom-mounted 1

Extra work lights(Halogen):

Cab-mounted 3

Boom-mounted 1

Batteries, 2 x 12 V / 170 A

Start motor, 24 V / 5.5 kW

Travel alarm

Quick engine oil change system

Frame

Access way with handrail

Tool storage area

Punched metal antislip plates

Counterweight:

13,670 lb

15,210 lb Long Reach

Undercarriage

Undercover (heavyduty)

Hydraulic track adjusters

Greased and sealed track link

Track Guard

Hydraulic system

Boom up swing priority function

Boom travel priority function (Creep)

Boom down speed control

Attachment management system (up to 32 programmable memories)

- Variable flow and pressure pre-setting

Hammer & shear, 2 pump flow

Additional return filter (Hammer & shear piping

Boom float function without HRV

Straight travel pedal

Automatic sensing hydraulic system

Summation system

Boom priority

Arm priority

Swing priority

ECO mode fuel saving technology

Boom, arm and bucket regeneration valves

Swing antirebound valves

Boom and arm holding valves

Multistage filtering system

Cylinder cushioning

Cylinder contamination seals

Auxiliary hydraulic valve

Automatic twospeed travel motors

Hydraulic oil, ISO VG 46

Quick hydraulic oil fill connection

Quick coupler piping

STANDARD EQUIPMENT

Cab and interior

ROPS (ISO121172) certified cab

Opening top hatch

Silicon oil and rubber mounts with spring

Travel pedals and hand levers

Adjustable operator seat and joystick control console

Heater & airconditioner, automatic

Flexible antenna

Radio with MP3 & USB Jack with bluetooth

Hydraulic safety lock lever

Cab, allweather sound suppressed, includes:

Cup holders

Door locks

Tinted glass

Floor mat

Horn

Large storage area

Pullup type front window

Removable lower windshield

Seat belt

Safety glass

Sun screens, front, roof, rear

Rain shield

Windshield wiper with intermittent feature

Volvo smart view

Master key

Track shoes

32" with triple grousers

Digging equipment

Linkage with lifting eye Boom: 20'4" monoblock

Arm: 10'0"

Boom: 33'6" monoblock, Long Reach

Arm: 25'11", Long Reach

Manual centralized lubrication

Machine controls

Dig Assist

Volvo Active Control (Semi-autonomous)

OPTIONAL EQUIPMENT

Engine

Block heater: 120 V, 240 V

Oil bath pre-cleaner

Diesel coolant heater, 10 kW

Water separator with heater

Auto engine shutdown

Reversible fan

Fuel filler pump: 13.2 gpm, with automatic shutoff

Electric

Extra work lights(LED):

Cab-mounted 3

Boom-mounted 1

Counterweight-mounted 1

Green light beacon

Anti-theft system

Rotating warning beacon Smart connect for tilt rotator

Tilt rotator 3rd gen

Dig assist, smart connect

Undercarriage

Full track guard

Track shoes

24/28/36" with triple grousers

24" HD with triple grousers

24/28" with double grousers High walker undercarriage

OPTIONAL EQUIPMENT

Hydraulic system

CDC, Comfort Driving Control

Hose rupture valve: boom & arm

Overload warning device

Boom float function with HRV

Hydraulic piping:

- Slope & rotator
- Grapple
- Oil leak (drain) line

Volvo hydraulic quick coupler S2

Volvo hydraulic quick coupler U30 / U35

Volvo hydraulic quick coupler SQ70 55

Volvo hydraulic quick coupler SQ70

Hydraulic oil, biodegradable 46

Hydraulic oil, longlife oil 32

Hydraulic oil, longlife oil 46

Fuel tank-fast fuel fill prep

Hammer & shear, 1 pump flow

3-way selection valve

OPTIONAL EQUIPMENT

Cab and interior

High visibility cabin

Fabric seat with heater

Fabric seat with heater and air suspension

Deluxe sea

High-strength one piece front windshield (P5A)

Falling object guard, FOG (fixed type or hinge type)

Frame-mounted

Cab-mounted

Cab-mounted falling object protective structure (FOPS)

Side view camera

Smoker kit (ashtray and lighter)

Safety net for front window

Lower wiper with intermittent control

Anti-vandalism kit

Air pressure supply in cabin

Rear view camera

Control joysticks with 4 switches

Propotional joysticks with 3 switches

Digging equipment

Arm: 8'4" HD, 10'0", HD, 12'2"

Arm: 25'11", long reach

Service

Tool kit, daily maintenance

Tool kit, full scale

Other

Hybrid: Please refer to separate Brochure for more details

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Deluxe seat



Hybrid



Reversible cooling fan



TiltRotator



Oil drain line



High-visibility cab



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