

Volvo Construction Equipment  
Building Tomorrow



# ECR355E

Volvo Crawler Excavators 34.1-38.0 t 245 hp



A large wind turbine stands in a field of grazing cattle at sunset. The sky is a warm orange, and the turbine's shadow is cast across the scene. The text is overlaid on a semi-transparent white vertical band.

# 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

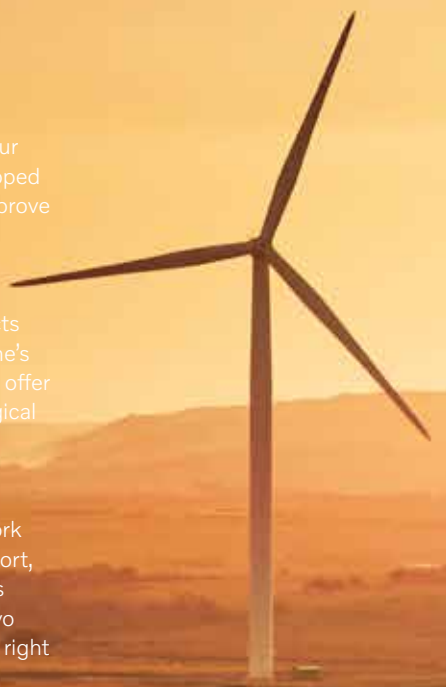
Our industry leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

### Designed for your business

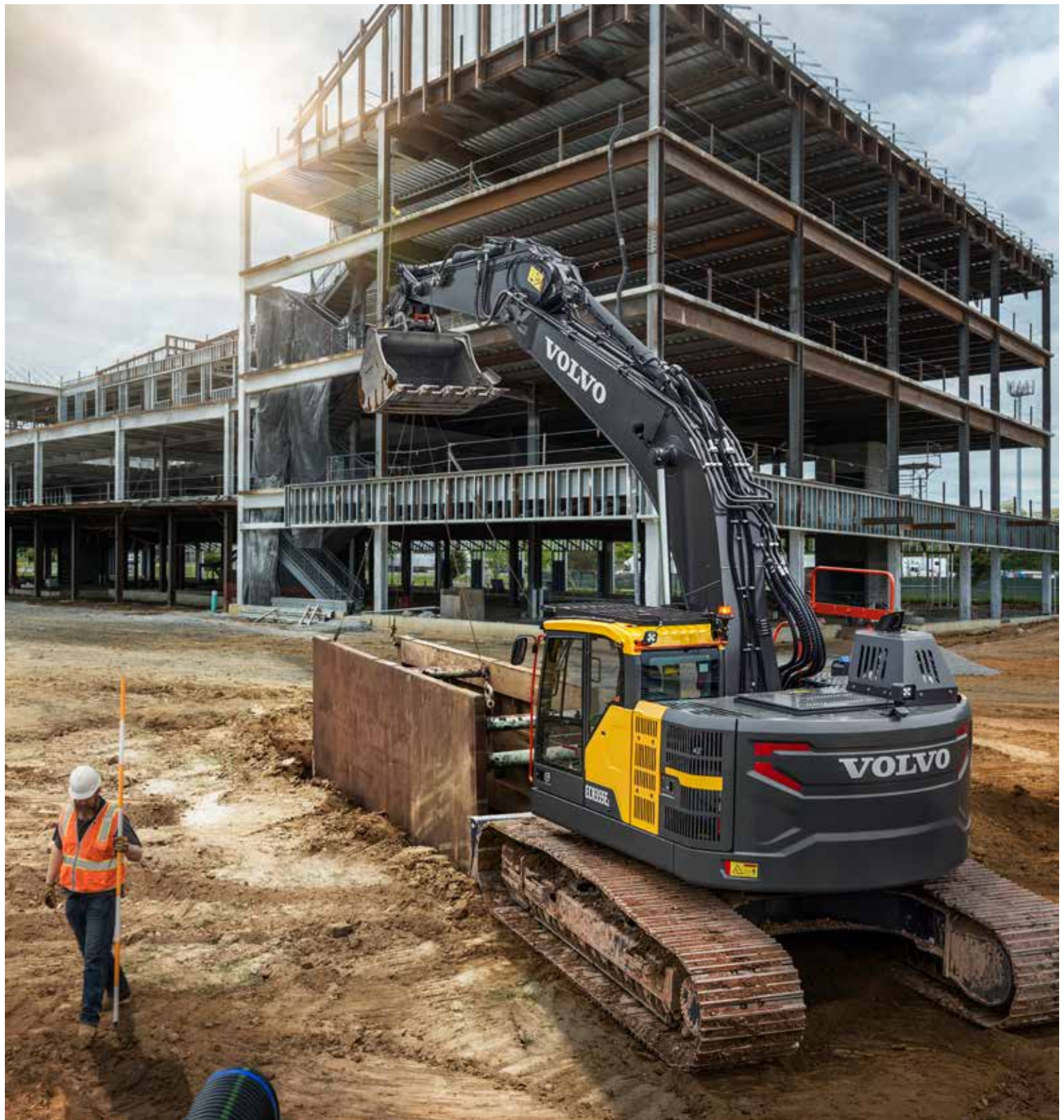
Structured across nine blocks, our portfolio of products and services are designed to complement your machine's performance and boost your profitability. Simply put, we offer some of the best guarantees, warranties and technological solutions in the industry today.

### 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.



**BUILDING TOMORROW**



# SHORT SWING, SOLID STABILITY

Operate with complete confidence with the ECR355E. The heavy-duty, short swing machine provides unshakable stability, enabling you to gain the most from the power. The solid design features precisely positioned components for optimal balance, as well as an optional dozer blade that can be used to level the excavator when working on uneven ground and for faster clean-ups.

# Never short on performance

Proving that you don't need to make compromises, the new ECR355E short swing radius excavator from Volvo is designed for working in confined areas – while delivering digging performance, fast cycle times, balance and stability that rival conventional excavators. Get to work without delay in the robust machine, powered by the fuel-efficient Stage V certificated Volvo engine and do more for less.

## The right mode for the job

Keep performance high and costs low with the integrated Volvo work mode system. Choose the best work mode for the task at hand – select from I (Idle), F (Fine), G (General), H (Heavy) and P (Power max). The new ECO mode uses the latest electronic pump control technology to further boost fuel efficiency without any loss in performance.



## Power to perform

Power your operation with the fuel-efficient Stage V certificated Volvo engine, combining high torque and low RPM for superior, long-lasting performance. Based on proven, advanced technology and decades of experience, the robust D8 engine delivers 180kW (241 Hp) of power, while reducing both fuel consumption and emissions.



## Get to work – fast

Cut cycle times to a minimum and increase profitability with the E-Series electro-hydraulic system. Working in combination with the Volvo engine, the advanced system increases pump power for faster and smoother operation, all while providing greater control, superior digging performance and unbeatable productivity.



## Do more for less

Increase fuel efficiency by up to 10% with the ECR355E, designed to help you do more for less. ECO Mode, combined with the efficient Stage V certificated Volvo engine and superior hydraulic performance at lower engine RPM – results in improved fuel efficiency without any loss of performance in most operating conditions. Cut cycle times thanks to the boom float function, which saves pump power when lowering the boom.



# Short swing, big potential

No task is too tough for the robust and versatile ECR355E. The short swing radius machine is a proven partner to increase productivity on tight job sites. Combining superior digging performance, greater lifting capacity, ease of mobility and a precise finish in grading applications, the ECR355E is a compact machine that packs a powerful punch.

## Adapt to any application

From road construction to heavy infrastructure work, the ECR355E's class-leading short swing radius goes where conventional machines cannot. Add the Volvo dozer blade, quick coupler, auxiliary hydraulics or the optional two-piece boom, and the result is greater versatility and productivity. Adapt to any application with the ECR355E without compromising on reach, lifting or digging performance.



## Productivity Services

Improve and maintain site productivity with a host of smart solutions offered by Productivity Services. Operator behavior, site setup and machine configuration are just some of the many factors within Productivity Services that can be refined to boost productivity. Choose from various machine options, Assist solutions and training packages to enhance the performance of your Volvo fleet – so you can do more and earn more.



## Go anywhere ability

Go everywhere in the ECR355E, designed to deliver maximum mobility, performance and power for its size. Thanks to its compact design, the machine is ideal for working in confined spaces and can easily be transported from site to site. And with the optional narrow and long undercarriage, mobility is further enhanced between job sites.



## Making the grade

Experience smooth operation, fast response times and high performance with the ECR355E, featuring increased hydraulic flow for accurate control in grading and combined operations. Benefit from easier movement when traveling and lifting simultaneously, and better grading quality thanks to the synchronized boom and arm movement. Designed to complement each other, the enhancements also contribute to low fuel consumption.





# LIFT MORE, DIG MORE

Dig, swing and load more than before with the ECR355E, powered by advanced electro-hydraulic technology. Offering a significant increase in both lifting capacity and digging force this machine is ideal for pipelaying, trench-box installation and utility work. With the ECR355E, hard work has never been so easy.



# UP TO THE TEST

Built on the established E-Series platform, the ECR355E features all the proven Volvo technology you'd expect from a short swing radius excavator, plus a host of upgrades. Durable by design, the ECR355E has undergone extensive testing to ensure the highest standard of productivity and machine uptime.

# Take on the tough stuff

Always available and ready to work, the ECR355E knocks big jobs down to size. This robust machine delivers ultimate uptime across a variety of applications – no matter how demanding – thanks to its sturdy design, reliable and wear-resistant components, reinforced undercarriage and easy service access.

## Durable by design

Achieve non-stop production with the durable and reliable ECR355E. Built with robust components, including a strong X-frame undercarriage featuring forged steel top rollers, and Volvo's rugged boom and arms, the machine can be relied on for longevity and sustained uptime.



## Uptime Services

Reduce repair costs and unplanned downtime with Uptime Services, designed to help keep your machine and business up and running. Utilizing innovative technology, Volvo dealers remotely monitor your machine. Any problems can be diagnosed early and corrective steps taken towards a sustainable solution. Stay on track with the latest software, planned servicing, flexible maintenance and repair options.



## Simple serviceability

Maximize uptime with quick and safe ground-level servicing. Essential maintenance points – including pump pressure taps, filters and the cooling package – are easily accessed via the wide-opening compartment doors, which can be latched at 90°. And, with logically-grouped greasing manifolds, anti-slip plates and plentiful handrails, you can get back to work swiftly and safely.



## Heavy-duty options

For demolition and other heavy-duty applications, Volvo offers reinforcement and guarding packages to ensure your Volvo machine is well-protected. Unlock the potential of your ECR355E's uptime with a range of options, including the boom and bucket cylinder guards, heavy-duty side doors, reinforced undercovers, slew ring protection and cab-mounted Falling Object Guarding (FOG) packages.



# Get up close and personal

## TAKE CONTROL

Flow sharing hydraulics ensure smooth, precise control of simultaneous functions for more efficient operations.

### Get to work – fast

Do more in less time thanks to the hydraulics system, designed to work in harmony with the engine for fast cycle times.

### Adapt to any application

Adjust to any application with the ECR355E without compromising on reach, lifting or digging performance.

## LIFT MORE, DIG MORE

Offering an increase in both lifting capacity and digging force, the ECR355E is ideal for pipelaying, trench-box installation and utility works.

### Comfortably productive

The newly designed E-Series ROPS certificated Volvo cab has improved all-around visibility, more space and ergonomic controls.

## MIX AND MATCH

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



## UP TO THE TEST

Built to last, the undercarriage features a strong X-frame structure, forged steel top rollers, sealed track link and reinforced track guard.

### Every angle in view

For a clear view of your job site, the cab's slim pillars and large expanses of glass result in excellent all-around visibility.

## SHORT SWING, SOLID STABILITY

The excavator features precisely positioned components for optimal balance, as well as an optional dozer blade.

### Simple serviceability

Anti-slip plates, handrails, wide steps and large compartment doors provide easy and safe access to all checkpoints.

### Power to perform

Rely on a top performance from the ECR355E, featuring a powerful Volvo D8 engine for fast and efficient operation.

### Do more for less

Boost fuel efficiency by up to 10% with ECO Mode, the Volvo engine and superior hydraulic performance at lower engine RPM.





# TAKE CONTROL

Take control of your machine with a host of new features. The customized response modes in the joysticks and the positive control hydraulic system deliver equal measures power and precision, the machine does exactly what the operator intends to optimize productivity and performance. The hydraulic system is matched to the Volvo D8 engine, further enhancing the power and controllability of the excavator

# Do more – comfortably

Get comfortable with doing more in the Volvo ECR355E. The new E-Series is designed to maneuver in and out of confined areas, yet remains spacious and comfortable. The low-noise cab increases efficiencies and reduces operator fatigue thanks to a number of features, including the automatic climate control system. Do more with Volvo – because a comfortable operator is a more productive operator.

## Comfortably productive

Comfort is key. The industry-leading ROPS certified Volvo cab's expansive window area offers unparalleled visibility. The adjustable seat, ample legroom and vibration dampeners deliver superior comfort and productivity. With ergonomic controls and simplified switches integrated into the keypad, the Human Machine Interface (HMI) brings the operator and technology together, forming one cohesive working environment.



## Every angle in view

From the Volvo cab, experience all-around visibility around the machine and surrounding job site thanks to narrow pillars and large windows. The ergonomically designed cab also features a large vertical windshield for greater visibility, safety and convenience – the large upper front window can be easily rolled up and out of the way, while the lower portion can be easily removed and stowed inside the cab.



## Volvo Smart View

Enhance performance and safety with Volvo Smart View. The optional feature combines four exterior-mounted cameras to create a bird's eye view of the machine, displayed via the on-board monitor. With Volvo Smart View, you can observe all surrounding areas, which is particularly valuable in confined spaces where an extra pair of eyes informs you of the machine's position in relation to the job at all times.



## Keep cool

Stay fresh, alert and focused with the E-Series climate control system. The industry-leading air circulation and defrosting system speeds up the heating and cooling of the cab for a more comfortable environment. Easily adjust the system from the 8" LCD monitor.



# More than a machine

Complete a variety of tasks with the versatile ECR355E, designed to work in harmony with integrated attachments from Volvo. With Volvo's quick couplers and attachment management system, you can easily switch between buckets, hydraulic breakers, and even the Steelwrist® tilt rotator. Maximize cycle times and productivity with the Volvo short swing radius excavator – more than just a machine.

## Tilt rotators

Volvo's tilt rotator can be ordered factory-installed with dedicated joysticks and a color display that is fully integrated into the machine's system. The new series of Volvo Aggressive Cut excavator buckets are perfectly matched to the factory-installed tilt rotator.



## Locked on

Volvo offers a full range of quick couplers, which includes Volvo's S-type, universal and Steelwrist® quick coupler. Offering smooth transitions and quick attachment changes, Volvo's quick couplers make changing attachments quick and easy – all from the comfort and safety of the cab.



## Auxiliary piping

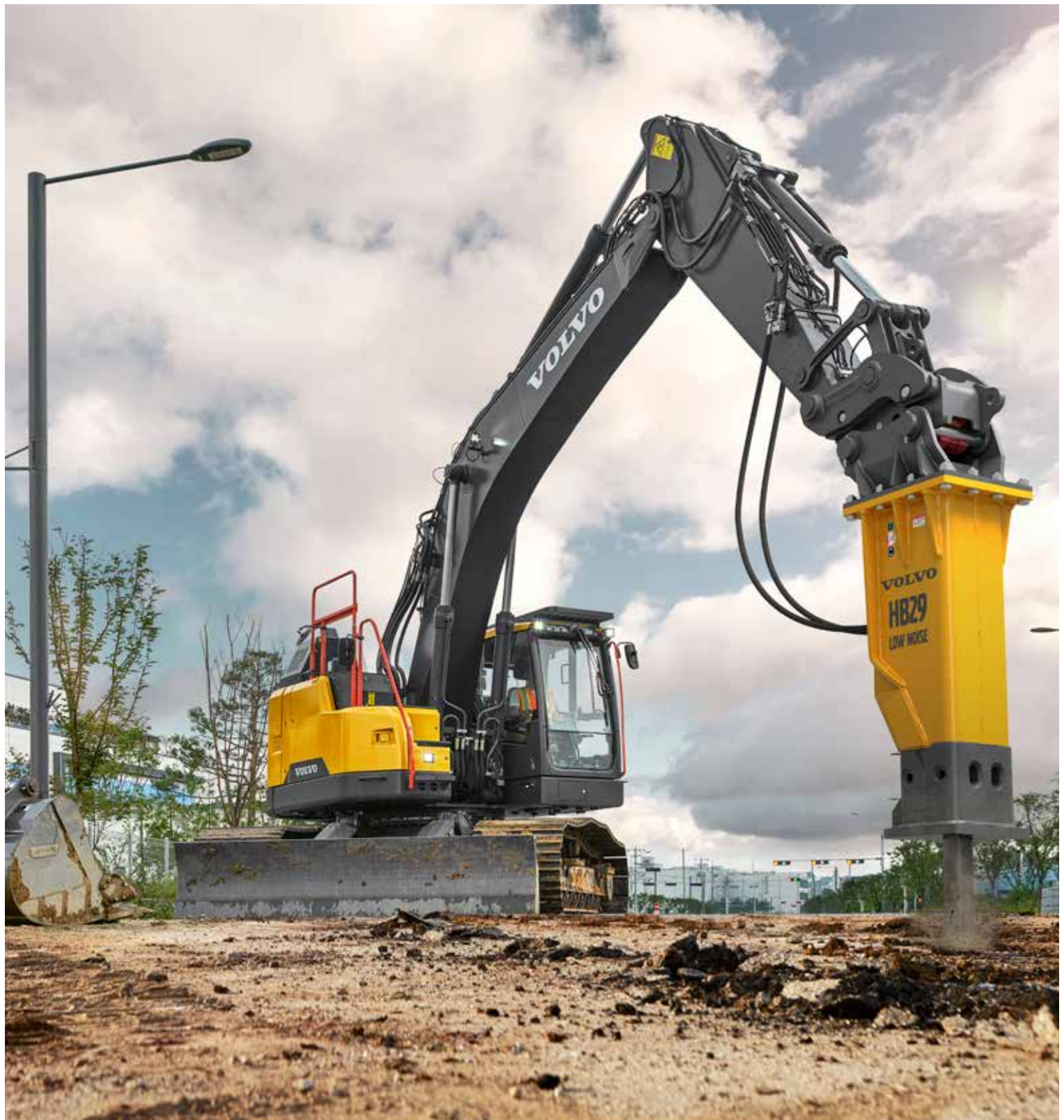
To achieve the correct flow and pressure for hydraulic attachments such as mowers, grinders, shears, crushers and tilt rotators, the machine can be factory fitted with a variety of extra hydraulic lines, such as breaker and shear piping, as well as rotator piping.



## Get set and go

The password protected attachment management system allows storage for up to 20 different attachments. The user-friendly system allows the operator to pre-set the correct hydraulic flow and pressure inside the cab through the monitor, to get the most performance from attachments.





# MIX AND MATCH

Get the most out of your machine with Volvo attachments. Choose from a selection of purpose-built attachments, including the hydraulic breakers, general-purpose buckets, heavy-duty buckets and hydraulic thumbs. Or, utilize the attachment management system with optional pressure settings to install a number of aftermarket work tools to give your machine unrestricted access to more applications.

# Volvo ECR355E in detail

## Engine

The latest generation, Volvo engine Stage V emissions certificated 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 precleaner

- Automatic Idling System: Reduces engine speed to idle when the levers and pedals are not activated resulting in less fuel consumption and low cab noise levels.

|                            |       |       |
|----------------------------|-------|-------|
| Engine                     | Volvo | D8J   |
| Max power at               | r/min | 1 800 |
| Net, ISO 9249/SAE J1349    | kW    | 179   |
|                            | hp    | 243   |
| Gross, ISO 14396/SAE J1995 | kW    | 180   |
|                            | hp    | 245   |
| Max torque                 | Nm    | 1 238 |
| at engine speed            | r/min | 1 350 |
| No. of cylinders           |       | 6     |
| Displacement               | l     | 7.8   |
| Bore                       | mm    | 110   |
| Stroke                     | mm    | 136   |

## Electrical system

Well protected high-capacity electrical system. 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     | 170      |
| Alternator       | V/A    | 28/120   |
| Start motor      | V - kW | 24 - 5.5 |

## Undercarriage

Robust X-shaped frame with greased and sealed track chains as standard

### ECR355EL

|                            |    |                       |
|----------------------------|----|-----------------------|
| Track shoe                 |    | 2 x 48                |
| Link pitch                 | mm | 215.9                 |
| Shoe width, triple grouser | mm | 600 / 700 / 800 / 850 |
| Shoe width, double grouser | mm | 600                   |
| Bottom rollers             |    | 2 x 8                 |
| Top rollers                |    | 2 x 2                 |

### ECR355ENL

|                            |    |                       |
|----------------------------|----|-----------------------|
| Track shoe                 |    | 2 x 48                |
| Link pitch                 | mm | 215.9                 |
| Shoe width, triple grouser | mm | 600 / 700 / 800 / 850 |
| Shoe width, double grouser | mm | 600                   |
| Bottom rollers             |    | 2 x 8                 |
| Top rollers                |    | 2 x 2                 |

## Swing system

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

|                  |       |       |
|------------------|-------|-------|
| Max. slew speed  | r/min | 10.2  |
| Max. slew torque | kNm   | 117.6 |

## Travel System

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

|                          |      |     |
|--------------------------|------|-----|
| Max. drawbar pull        | kN   | 275 |
| Max. travel speed (low)  | km/h | 3   |
| Max. travel speed (high) | km/h | 4.5 |
| Gradeability             | °    | 35  |

## Hydraulic system

The hydraulics system, combined with the fully electronic control system and advanced ECO mode, has been optimized to work in harmony with engine to match the engine power, reduce power loss and improve controllability and response time.

The following important functions are included in the system:

Summation system: Combines the flow of both hydraulic pumps to ensure quick cycle times and high productivity.

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

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

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

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

Power boost: All digging and lifting forces are increased.

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

### Main pump. Type: 2 x Variable displacement axial piston pumps

|              |       |         |
|--------------|-------|---------|
| Maximum flow | l/min | 2 x 263 |
|--------------|-------|---------|

### Pilot pump. Type: Gear pump

|              |       |        |
|--------------|-------|--------|
| Maximum flow | l/min | 1 x 18 |
|--------------|-------|--------|

### Relief value setting pressure

|                |     |             |
|----------------|-----|-------------|
| Implement      | MPa | 33.3 / 36.3 |
| Travel circuit | MPa | 36.3        |
| Slew circuit   | MPa | 27.5        |
| Pilot circuit  | MPa | 3.9         |

## Hydraulic Cylinders

|                          |        |             |
|--------------------------|--------|-------------|
| Mono boom                |        | 2           |
| Bore x Stroke            | ø x mm | 140 x 1 511 |
| 1st boom of 2-piece boom |        | 2           |
| Bore x Stroke            | ø x mm | 140 x 1 460 |
| 2nd boom of 2-piece boom |        | 1           |
| Bore x Stroke            | ø x mm | 170 x 1 300 |
| Arm                      |        | 1           |
| Bore x Stroke            | ø x mm | 150 x 1 745 |
| Bucket                   |        | 1           |
| Bore x Stroke            | ø x mm | 140 x 1 140 |
| Dozer blade              |        | 2           |
| Bore x Stroke            | ø x mm | 165 x 385   |

## Service Refill

|                         |   |         |
|-------------------------|---|---------|
| Fuel tank               | l | 348     |
| DEF/AdBlue® tank        | l | 31      |
| Hydraulic system, total | l | 370     |
| Hydraulic tank          | l | 243     |
| Engine oil              | l | 32      |
| Engine coolant          | l | 36      |
| Slew reduction unit     | l | 6.1     |
| Travel reduction unit   | l | 2 x 6.8 |

## Cab

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

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 8 vents.

Ergonomic operator's seat: The adjustable seat and joystick console move independently to accommodate the operator. The seat has 12 different adjustments plus a seat belt for the operator's comfort and safety.

Refrigerant of the type R134a is used when this machine is equipped with air conditioning. Contains fluorinated greenhouse gas R134a, Global Warming Potential 1.430 t CO<sub>2</sub>-eq.

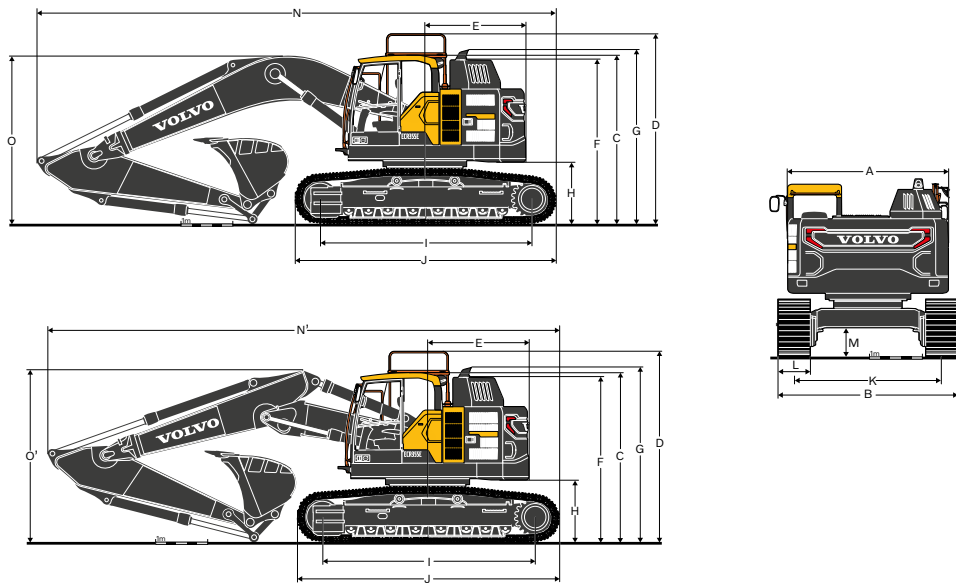
## Sound Level

|                                                   |    |    |
|---------------------------------------------------|----|----|
| Sound pressure level in cab according to ISO 6396 |    |    |
| L <sub>pA</sub> (standard)                        | dB | 72 |
| L <sub>pA</sub> (tropical)                        | dB | 72 |

External sound level according to ISO 6395 and EU Noise Directive 2000/14/EC

|                            |    |     |
|----------------------------|----|-----|
| L <sub>WA</sub> (standard) | dB | 104 |
| L <sub>WA</sub> (tropical) | dB | 105 |

# Specifications



## DIMENSIONS

| Description                               | Unit | ECR355EL                              |       |       | ECR355ENL |       |       |
|-------------------------------------------|------|---------------------------------------|-------|-------|-----------|-------|-------|
| Boom                                      |      | 6.2 m mono boom or 6.2 m 2-piece boom |       |       |           |       |       |
| Arm                                       | m    | 2.55                                  | 3.05  | 3.7   | 2.55      | 3.05  | 3.7   |
| A. Overall width of upper structure       | mm   | 2 990                                 | 2 990 | 2 990 | 2 990     | 2 990 | 2 990 |
| B. Overall width                          | mm   | 3 340                                 | 3 340 | 3 340 | 2 990     | 2 990 | 2 990 |
| C. Overall height of cab                  | mm   | 3 200                                 | 3 200 | 3 200 | 3 200     | 3 200 | 3 200 |
| D. Overall height of guardrail (Unfolded) | mm   | 3 615                                 | 3 615 | 3 615 | 3 615     | 3 615 | 3 615 |
| E. Tail swing radius                      | mm   | 1 900                                 | 1 900 | 1 900 | 1 900     | 1 900 | 1 900 |
| F. Overall height of engine hood          | mm   | 3 110                                 | 3 110 | 3 110 | 3 110     | 3 110 | 3 110 |
| G. Overall height of diffuser             | mm   | 3 300                                 | 3 300 | 3 300 | 3 300     | 3 300 | 3 300 |
| H. Counterweight clearance *              | mm   | 1 160                                 | 1 160 | 1 160 | 1 160     | 1 160 | 1 160 |
| I. Tumbler length                         | mm   | 4 020                                 | 4 020 | 4 020 | 4 020     | 4 020 | 4 020 |
| J. Track length                           | mm   | 4 946                                 | 4 946 | 4 946 | 4 946     | 4 946 | 4 946 |
| K. Track gauge                            | mm   | 2 740                                 | 2 740 | 2 740 | 2 390     | 2 390 | 2 390 |
| L. Shoe width                             | mm   | 600                                   | 600   | 600   | 600       | 600   | 600   |
| M. Min. ground clearance *                | mm   | 500                                   | 500   | 500   | 500       | 500   | 500   |
| N. Overall length                         | mm   | 9 950                                 | 9 865 | 9 890 | 9 950     | 9 865 | 9 890 |
| N'. Overall length                        | mm   | 9 948                                 | 9 883 | 9 878 | 9 948     | 9 883 | 9 878 |
| O. Overall height of boom                 | mm   | 3 445                                 | 3 305 | 3 550 | 3 445     | 3 305 | 3 550 |
| O'. Overall height of boom                | mm   | 3 355                                 | 3 300 | 3 530 | 3 355     | 3 300 | 3 530 |

2piece boom

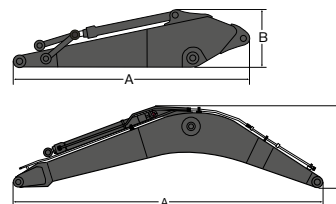
\* Without shoe grouser

## DIMENSIONS / Boom and arm

| Description | Unit | Boom  |         | Arm   |       |       |
|-------------|------|-------|---------|-------|-------|-------|
|             |      | HD    | 2-piece | HD    | HD    | GP    |
|             | m    | 6.2   | 6.2     | 2.55  | 3.05  | 3.7   |
| A. Length   | mm   | 6 430 | 6 427   | 3 710 | 4 150 | 4 900 |
| B. Height   | mm   | 1 680 | 1 490   | 1 010 | 1 010 | 1 050 |
| Width       | mm   | 770   | 770     | 545   | 545   | 545   |
| Weight      | kg   | 2 480 | 2 808   | 1 475 | 1 540 | 1 680 |

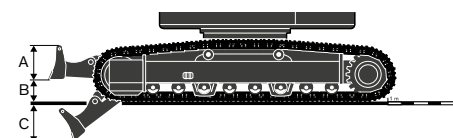
Boom: Includes cylinder, piping and pin, excludes boom cyl. Pin

Arm: Includes cylinder, linkage and pin

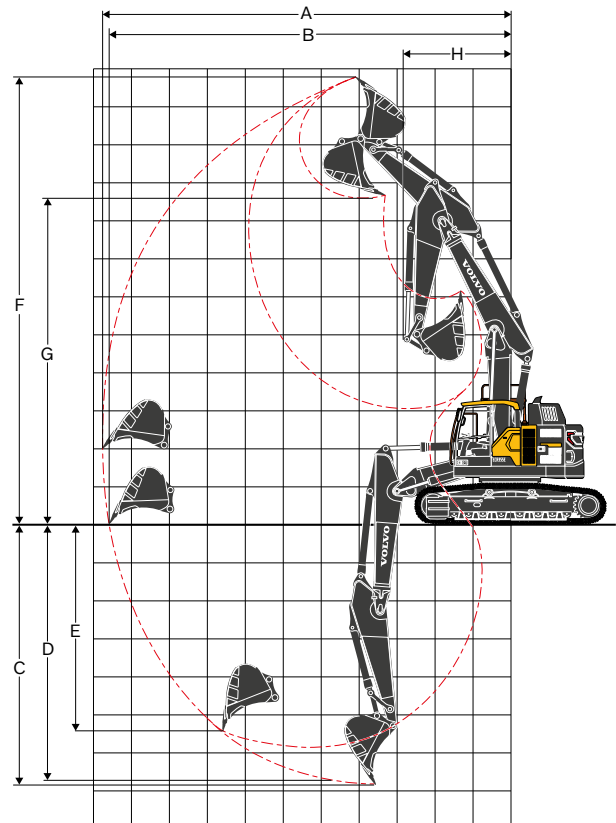
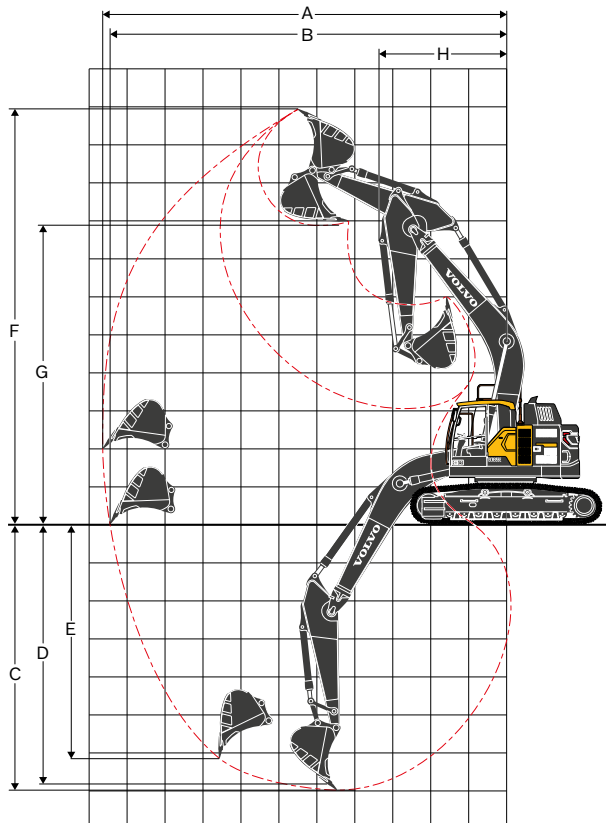


## DIMENSIONS / Dozer blade

|                   | Unit | ECR355EL | ECR355ENL |
|-------------------|------|----------|-----------|
| A. Height         | mm   | 744      | 744       |
| Width Dozer Blade | mm   | 3 340    | 2 990     |
| Weight            | kg   | 1 985    | 1 946     |
| B. Lift height    | mm   | 623      | 623       |
| C. Digging depth  | mm   | 668      | 668       |



# Specifications



## WORKING RANGES

| Description                             | Unit | ECR355E         |        |        |                    |        |        |
|-----------------------------------------|------|-----------------|--------|--------|--------------------|--------|--------|
| Boom                                    |      | 6.2 m mono boom |        |        | 6.2 m 2-piece boom |        |        |
| Arm                                     | m    | 2.55            | 3.05   | 3.7    | 2.55               | 3.05   | 3.7    |
| A. Max. digging reach                   | mm   | 10 110          | 10 635 | 11 240 | 10 211             | 10 741 | 11 356 |
| B. Max. digging reach on ground         | mm   | 9 905           | 10 445 | 11 065 | 10 009             | 10 550 | 11 175 |
| C. Max. digging depth                   | mm   | 6 460           | 6 960  | 7 610  | 6 037              | 6 562  | 7 204  |
| D. Max. digging depth (l=2440 mm level) | mm   | 6 260           | 6 795  | 7 465  | 5 934              | 6 465  | 7 114  |
| E. Max. vertical wall digging depth     | mm   | 5 600           | 6 130  | 6 755  | 4 540              | 5 128  | 5 718  |
| F. Max. cutting height                  | mm   | 10 455          | 10 915 | 11 285 | 11 268             | 11 773 | 12 240 |
| G. Max. dumping height                  | mm   | 7 435           | 7 855  | 8 230  | 8 101              | 8 577  | 9 046  |
| H. Min. front swing radius              | mm   | 3 285           | 3 365  | 3 340  | 2 988              | 2 747  | 2 913  |

## DIGGING FORCES WITH DIRECT FIT BUCKET

|                         |             |           |    |       |       |       |       |       |       |
|-------------------------|-------------|-----------|----|-------|-------|-------|-------|-------|-------|
| Bucket capacity         |             |           | l  | 1 270 | 1 270 | 1 270 | 1 270 | 1 270 | 1 270 |
| Breakout force (bucket) | Normal      | SAE J1179 | kN | 165   | 165   | 165   | 165   | 165   | 165   |
|                         | Power boost | SAE J1179 | kN | 179   | 179   | 179   | 179   | 179   | 179   |
|                         | Normal      | ISO 6015  | kN | 192   | 192   | 192   | 192   | 192   | 192   |
|                         | Power boost | ISO 6015  | kN | 209   | 209   | 209   | 209   | 209   | 209   |
| Tearout force (arm)     | Normal      | SAE J1179 | kN | 148.9 | 133.0 | 116.8 | 148.9 | 133.0 | 116.8 |
|                         | Power boost | SAE J1179 | kN | 161.2 | 144.0 | 126.4 | 161.2 | 144.0 | 126.4 |
|                         | Normal      | ISO 6015  | kN | 152.3 | 136.0 | 119.4 | 152.3 | 136.0 | 119.4 |
|                         | Power boost | ISO 6015  | kN | 165.7 | 148.0 | 129.9 | 165.7 | 148.0 | 129.9 |
| Rotation angle, bucket  |             |           | °  | 179   | 179   | 179   | 179   | 179   | 179   |

| MACHINE WEIGHTS AND GROUND PRESSURE - ECR355EL |            |                                                                                    |                 |               |                                                                                                      |                 |               |
|------------------------------------------------|------------|------------------------------------------------------------------------------------|-----------------|---------------|------------------------------------------------------------------------------------------------------|-----------------|---------------|
| Description                                    | Shoe width | Operating weight                                                                   | Ground pressure | Overall width | Operating weight                                                                                     | Ground pressure | Overall width |
|                                                | mm         | kg                                                                                 | kPa             | mm            | kg                                                                                                   | kPa             | mm            |
|                                                |            | 6.2 m mono boom, 2.55 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight    |                 |               | 6.2 m mono boom, 2.55 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight, with dozer blade    |                 |               |
| Triple grouser                                 | 600        | 34 152                                                                             | 63.7            | 3 340         | 36 551                                                                                               | 68.6            | 3 340         |
|                                                | 700        | 34 777                                                                             | 55.9            | 3 440         | 37 176                                                                                               | 59.8            | 3 440         |
|                                                | 800        | 35 165                                                                             | 50.0            | 3 540         | 37 564                                                                                               | 53.0            | 3 540         |
|                                                | 850        | 35 348                                                                             | 47.1            | 3 590         | 37 747                                                                                               | 50.0            | 3 590         |
| Double grouser                                 | 600        | 34 850                                                                             | 65.7            | 3 340         | 37 249                                                                                               | 69.6            | 3 340         |
|                                                |            | 6.2 m 2-piece boom, 2.55 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight |                 |               | 6.2 m 2-piece boom, 2.55 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight, with dozer blade |                 |               |
| Triple grouser                                 | 600        | 34 512                                                                             | 64.7            | 3 340         | 36 911                                                                                               | 69.6            | 3 340         |
|                                                | 700        | 35 137                                                                             | 56.9            | 3 440         | 37 536                                                                                               | 60.8            | 3 440         |
|                                                | 800        | 35 525                                                                             | 50.0            | 3 540         | 37 924                                                                                               | 53.9            | 3 540         |
|                                                | 850        | 35 708                                                                             | 47.1            | 3 590         | 38 107                                                                                               | 51.0            | 3 590         |
| Double grouser                                 | 600        | 35 210                                                                             | 65.7            | 3 340         | 37 609                                                                                               | 70.6            | 3 340         |
|                                                |            | 6.2 m mono boom, 3.05 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight    |                 |               | 6.2 m mono boom, 3.05 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight, with dozer blade    |                 |               |
| Triple grouser                                 | 600        | 34 210                                                                             | 64.7            | 3 340         | 36 609                                                                                               | 68.6            | 3 340         |
|                                                | 700        | 34 835                                                                             | 55.9            | 3 440         | 37 234                                                                                               | 59.8            | 3 440         |
|                                                | 800        | 35 223                                                                             | 50.0            | 3 540         | 37 622                                                                                               | 53.0            | 3 540         |
|                                                | 850        | 35 406                                                                             | 47.1            | 3 590         | 37 805                                                                                               | 50.0            | 3 590         |
| Double grouser                                 | 600        | 34 908                                                                             | 65.7            | 3 340         | 37 307                                                                                               | 69.6            | 3 340         |
|                                                |            | 6.2 m 2-piece boom, 3.05 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight |                 |               | 6.2 m 2-piece boom, 3.05 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight, with dozer blade |                 |               |
| Triple grouser                                 | 600        | 34 570                                                                             | 64.7            | 3 340         | 36 969                                                                                               | 69.6            | 3 340         |
|                                                | 700        | 35 195                                                                             | 56.9            | 3 440         | 37 594                                                                                               | 60.8            | 3 440         |
|                                                | 800        | 35 583                                                                             | 50.0            | 3 540         | 37 982                                                                                               | 53.9            | 3 540         |
|                                                | 850        | 35 766                                                                             | 47.1            | 3 590         | 38 165                                                                                               | 51.0            | 3 590         |
| Double grouser                                 | 600        | 35 268                                                                             | 66.7            | 3 340         | 37 667                                                                                               | 70.6            | 3 340         |
|                                                |            | 6.2 m mono boom, 3.7 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight     |                 |               | 6.2 m mono boom, 3.7 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight, with dozer blade     |                 |               |
| Triple grouser                                 | 600        | 34 083                                                                             | 63.7            | 3 340         | 36 482                                                                                               | 68.6            | 3 340         |
|                                                | 700        | 34 708                                                                             | 55.9            | 3 440         | 37 107                                                                                               | 59.8            | 3 440         |
|                                                | 800        | 35 096                                                                             | 49.0            | 3 540         | 37 495                                                                                               | 53.0            | 3 540         |
|                                                | 850        | 35 279                                                                             | 47.1            | 3 590         | 37 678                                                                                               | 50.0            | 3 590         |
| Double grouser                                 | 600        | 34 781                                                                             | 65.7            | 3 340         | 37 180                                                                                               | 69.6            | 3 340         |
|                                                |            | 6.2 m 2-piece boom, 3.7 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight  |                 |               | 6.2 m 2-piece boom, 3.7 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight, with dozer blade  |                 |               |
| Triple grouser                                 | 600        | 34 443                                                                             | 64.7            | 3 340         | 36 842                                                                                               | 69.6            | 3 340         |
|                                                | 700        | 35 068                                                                             | 56.9            | 3 440         | 37 467                                                                                               | 60.8            | 3 440         |
|                                                | 800        | 35 456                                                                             | 50.0            | 3 540         | 37 855                                                                                               | 53.0            | 3 540         |
|                                                | 850        | 35 639                                                                             | 47.1            | 3 590         | 38 038                                                                                               | 50.0            | 3 590         |
| Double grouser                                 | 600        | 35 141                                                                             | 65.7            | 3 340         | 37 540                                                                                               | 70.6            | 3 340         |

| MACHINE WEIGHTS AND GROUND PRESSURE - ECR355ENL |            |                                                                                                   |                 |               |                                                                                                      |                 |               |
|-------------------------------------------------|------------|---------------------------------------------------------------------------------------------------|-----------------|---------------|------------------------------------------------------------------------------------------------------|-----------------|---------------|
| Description                                     | Shoe width | Operating weight                                                                                  | Ground pressure | Overall width | Operating weight                                                                                     | Ground pressure | Overall width |
|                                                 | mm         | kg                                                                                                | kPa             | mm            | kg                                                                                                   | kPa             | mm            |
|                                                 |            | 6.2 m mono boom, 2.55 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight, with dozer blade |                 |               | 6.2 m 2-piece boom, 2.55 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight, with dozer blade |                 |               |
| Triple grouser                                  | 600        | 36 419                                                                                            | 68.6            | 2 990         | 36 779                                                                                               | 68.6            | 2 990         |
|                                                 | 700        | 37 044                                                                                            | 59.8            | 3 090         | 37 404                                                                                               | 59.8            | 3 090         |
|                                                 | 800        | 37 432                                                                                            | 53.0            | 3 190         | 37 792                                                                                               | 53.0            | 3 190         |
|                                                 | 850        | 37 615                                                                                            | 50.0            | 3 240         | 37 975                                                                                               | 50.0            | 3 240         |
| Double grouser                                  | 600        | 37 117                                                                                            | 69.6            | 2 990         | 37 477                                                                                               | 70.6            | 2 990         |
|                                                 |            | 6.2 m mono boom, 3.05 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight, with dozer blade |                 |               | 6.2 m 2-piece boom, 3.05 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight, with dozer blade |                 |               |
| Triple grouser                                  | 600        | 36 477                                                                                            | 68.6            | 2 990         | 36 837                                                                                               | 69.6            | 2 990         |
|                                                 | 700        | 37 102                                                                                            | 59.8            | 3 090         | 37 462                                                                                               | 60.8            | 3 090         |
|                                                 | 800        | 37 490                                                                                            | 53.0            | 3 190         | 37 850                                                                                               | 53.0            | 3 190         |
|                                                 | 850        | 37 673                                                                                            | 50.0            | 3 240         | 38 033                                                                                               | 50.0            | 3 240         |
| Double grouser                                  | 600        | 37 175                                                                                            | 69.6            | 2 990         | 37 535                                                                                               | 70.6            | 2 990         |
|                                                 |            | 6.2 m mono boom, 3.7 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight, with dozer blade  |                 |               | 6.2 m 2-piece boom, 3.7 m arm, 1.27 m <sup>3</sup> bucket, 8 450 kg counterweight, with dozer blade  |                 |               |
| Triple grouser                                  | 600        | 36 350                                                                                            | 68.6            | 2 990         | 36 710                                                                                               | 68.6            | 2 990         |
|                                                 | 700        | 36 975                                                                                            | 59.8            | 3 090         | 37 335                                                                                               | 59.8            | 3 090         |
|                                                 | 800        | 37 363                                                                                            | 53.0            | 3 190         | 37 723                                                                                               | 53.0            | 3 190         |
|                                                 | 850        | 37 546                                                                                            | 50.0            | 3 240         | 37 906                                                                                               | 50.0            | 3 240         |
| Double grouser                                  | 600        | 37 048                                                                                            | 69.6            | 2 990         | 37 408                                                                                               | 70.6            | 2 990         |

# Specifications

## BUCKET SELECTION GUIDE

| Bucket type        |                       |                 |      | Capacity | Cutting width | Weight | Teeth | ECR355EL, 600 mm shoe, 8 450 kg counterweight, without dozer blade |    |    |                   |            |            |              |            |            | ECR355EL, 600 mm shoe, 8 450 kg counterweight, with dozer blade |            |            |              |            |            |                   |            |            | ECR355ENL, 600 mm shoe, 8 450 kg counterweight, with dozer blade |            |            |                   |            |            |           |  |  |
|--------------------|-----------------------|-----------------|------|----------|---------------|--------|-------|--------------------------------------------------------------------|----|----|-------------------|------------|------------|--------------|------------|------------|-----------------------------------------------------------------|------------|------------|--------------|------------|------------|-------------------|------------|------------|------------------------------------------------------------------|------------|------------|-------------------|------------|------------|-----------|--|--|
|                    |                       |                 |      |          |               |        |       | 6.2m HD boom                                                       |    |    | 6.2m 2-piece boom |            |            | 6.2m HD boom |            |            | 6.2m 2-piece boom                                               |            |            | 6.2m HD boom |            |            | 6.2m 2-piece boom |            |            | 6.2m HD boom                                                     |            |            | 6.2m 2-piece boom |            |            |           |  |  |
|                    |                       |                 |      |          |               |        |       | m³                                                                 | mm | kg | EA                | 2.55 m arm | 3.05 m arm | 3.7 m arm    | 2.55 m arm | 3.05 m arm | 3.7 m arm                                                       | 2.55 m arm | 3.05 m arm | 3.7 m arm    | 2.55 m arm | 3.05 m arm | 3.7 m arm         | 2.55 m arm | 3.05 m arm | 3.7 m arm                                                        | 2.55 m arm | 3.05 m arm | 3.7 m arm         | 2.55 m arm | 3.05 m arm | 3.7 m arm |  |  |
| Direct fit Buckets | Without Quick Coupler | General purpose | 0.95 | 1 500    | 796           | -      | B     | B                                                                  | B  | B  | B                 | B          | B          | B            | B          | B          | B                                                               | B          | B          | B            | B          | B          | B                 | B          | B          | B                                                                | B          | B          | B                 |            |            |           |  |  |
|                    |                       |                 | 1.03 | 1 600    | 835           | -      | B     | B                                                                  | B  | B  | B                 | B          | B          | B            | B          | B          | B                                                               | B          | B          | B            | B          | B          | B                 | B          | B          | B                                                                | B          | B          | B                 |            |            |           |  |  |
|                    |                       |                 | 0.55 | 600      | 881           | 3      | C     | C                                                                  | C  | C  | C                 | C          | C          | C            | C          | C          | C                                                               | C          | C          | C            | C          | C          | C                 | C          | C          | C                                                                | C          | C          | C                 |            |            |           |  |  |
|                    |                       |                 | 0.66 | 750      | 928           | 3      | C     | C                                                                  | C  | C  | C                 | C          | C          | C            | C          | C          | C                                                               | C          | C          | C            | C          | C          | C                 | C          | C          | C                                                                | C          | C          | C                 |            |            |           |  |  |
|                    |                       |                 | 0.77 | 900      | 996           | 4      | C     | C                                                                  | C  | C  | C                 | C          | C          | C            | C          | C          | C                                                               | C          | C          | C            | C          | C          | C                 | C          | C          | C                                                                | C          | C          | C                 |            |            |           |  |  |
|                    |                       |                 | 0.95 | 1 050    | 1 018         | 4      | C     | C                                                                  | C  | C  | C                 | C          | C          | C            | C          | C          | C                                                               | C          | C          | C            | C          | C          | C                 | C          | C          | C                                                                | C          | C          | C                 |            |            |           |  |  |
|                    |                       |                 | 1.14 | 1 200    | 1 187         | 5      | C     | C                                                                  | C  | C  | C                 | C          | C          | C            | C          | C          | C                                                               | C          | C          | C            | C          | C          | C                 | C          | C          | C                                                                | C          | C          | C                 |            |            |           |  |  |
|                    |                       |                 | 1.27 | 1 310    | 1 191         | 5      | C     | C                                                                  | C  | C  | C                 | C          | C          | C            | C          | C          | C                                                               | C          | C          | C            | C          | C          | C                 | C          | C          | C                                                                | C          | C          | C                 |            |            |           |  |  |
|                    |                       |                 | 1.32 | 1 350    | 1 267         | 5      | C     | C                                                                  | C  | C  | C                 | C          | C          | C            | C          | C          | C                                                               | C          | C          | C            | C          | C          | C                 | C          | C          | C                                                                | C          | C          | C                 |            |            |           |  |  |
|                    |                       |                 | 1.45 | 1 450    | 1 263         | 5      | C     | C                                                                  | C  | C  | C                 | C          | C          | C            | C          | C          | C                                                               | C          | C          | C            | C          | C          | C                 | C          | C          | C                                                                | C          | C          | C                 |            |            |           |  |  |
|                    |                       |                 | 1.51 | 1 500    | 1 365         | 5      | C     | C                                                                  | C  | C  | C                 | C          | C          | C            | C          | C          | C                                                               | C          | C          | C            | C          | C          | C                 | C          | C          | C                                                                | C          | C          | C                 |            |            |           |  |  |
|                    |                       |                 | 1.76 | 1 700    | 1 448         | 6      | C     | C                                                                  | C  | C  | C                 | C          | B          | C            | C          | C          | C                                                               | C          | C          | C            | C          | C          | C                 | C          | C          | C                                                                | C          | C          | C                 |            |            |           |  |  |
|                    |                       |                 | 2.06 | 1 950    | 1 590         | 6      | C     | B                                                                  | A  | C  | B                 | A          | C          | C            | C          | C          | C                                                               | C          | C          | C            | C          | C          | C                 | C          | C          | C                                                                | C          | C          | B                 |            |            |           |  |  |
|                    | Heavy Duty            |                 | 0.66 | 750      | 1 000         | 3      | D     | D                                                                  | D  | D  | D                 | D          | D          | D            | D          | D          | D                                                               | D          | D          | D            | D          | D          | D                 | D          | D          | D                                                                | D          | D          |                   |            |            |           |  |  |
|                    |                       |                 | 1.14 | 1 200    | 1 294         | 5      | D     | D                                                                  | D  | D  | D                 | D          | D          | D            | D          | D          | D                                                               | D          | D          | D            | D          | D          | D                 | D          | D          | D                                                                | D          | D          |                   |            |            |           |  |  |
|                    |                       |                 | 1.32 | 1 350    | 1 381         | 5      | D     | D                                                                  | D  | D  | D                 | D          | D          | D            | D          | D          | D                                                               | D          | D          | D            | D          | D          | D                 | D          | D          | D                                                                | D          | D          |                   |            |            |           |  |  |
|                    |                       |                 | 1.51 | 1 500    | 1 477         | 5      | D     | D                                                                  | D  | D  | D                 | D          | C          | D            | D          | D          | D                                                               | D          | D          | D            | D          | D          | D                 | D          | D          | D                                                                | D          | D          |                   |            |            |           |  |  |

### Maximum material density

|   |                             |                                          |
|---|-----------------------------|------------------------------------------|
| A | 1200~1300 kg/m <sup>3</sup> | Coal, Caliche, Shale                     |
| B | 1400~1600 kg/m <sup>3</sup> | Wet earth and clay, Limestone, Sandstone |
| C | 1700~1800 kg/m <sup>3</sup> | Granite, Wet sand, Well blasted rock     |
| D | 1900 kg/m <sup>3</sup> ~    | Wet mud, Iron ore                        |

**LIFTING CAPACITY - ECR355EL**

At the arm end without bucket.

For Lifting capacity including bucket. Simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

|                                                                                              | Lifting point | 1.5 m    |           | 3 m      |           | 4.5 m    |           | 6.0 m    |           | 7.5 m    |           | 9.0 m    |           | Max. reach |           |        |
|----------------------------------------------------------------------------------------------|---------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|--------|
|                                                                                              |               | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC   | Across UC | Max. m |
| Boom :<br>6.2 m<br>Arm :<br>2.55 m<br>Shoe :<br>600 mm<br>L/Frame:<br>LC                     | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *9 200     | *9 200    | 4.72   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *8 400   | *8 400    |          |           |          |           | *8 480     | 7 730     | 6.45   |
|                                                                                              | 6 m           |          |           |          |           | *9 680   | *9 680    | *8 680   | 8 630     |          |           |          |           | *8 330     | 5 980     | 7.49   |
|                                                                                              | 4.5 m         |          |           |          |           | *12 070  | *12 070   | *9 700   | 8 310     | *8 590   | 5 880     |          |           | 7 880      | 5 150     | 8.13   |
|                                                                                              | 3 m           |          |           |          |           | *15 010  | 12 060    | *11 020  | 7 910     | 8 790    | 5 700     |          |           | 7 290      | 4 740     | 8.46   |
|                                                                                              | 1.5 m         |          |           |          |           | *16 930  | 11 430    | 12 080   | 7 570     | 8 600    | 5 520     |          |           | 7 130      | 4 600     | 8.51   |
|                                                                                              | 0 m           |          |           |          |           | *17 290  | 11 210    | 11 850   | 7 370     | 8 470    | 5 410     |          |           | 7 340      | 4 720     | 8.29   |
|                                                                                              | -1.5 m        |          |           | *12 210  | *12 210   | *16 610  | 11 210    | 11 790   | 7 310     | 8 450    | 5 390     |          |           | 8 040      | 5 150     | 7.77   |
|                                                                                              | -3 m          |          |           | *19 630  | *19 630   | *14 920  | 11 360    | *11 360  | 7 400     |          |           |          |           | *9 450     | 6 140     | 6.89   |
|                                                                                              | -4.5 m        |          |           |          |           | *11 530  | *11 530   |          |           |          |           |          |           | *9 200     | 8 770     | 5.47   |
| Boom :<br>6.2 m<br>Arm :<br>3.05 m<br>Shoe :<br>600 mm<br>L/Frame:<br>LC                     | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *6 840     | *6 840    | 5.63   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *7 590   | *7 590    |          |           |          |           | *6 090     | *6 090    | 7.13   |
|                                                                                              | 6 m           |          |           |          |           |          |           | *8 000   | *8 000    | *7 690   | 6 080     |          |           | *5 820     | 5 330     | 8.09   |
|                                                                                              | 4.5 m         |          |           | *15 710  | *15 710   | *11 000  | *11 000   | *9 080   | 8 420     | *8 120   | 5 940     |          |           | *5 810     | 4 660     | 8.68   |
|                                                                                              | 3 m           |          |           |          |           | *13 990  | 12 310    | *10 490  | 8 000     | *8 800   | 5 740     |          |           | *5 990     | 4 320     | 8.99   |
|                                                                                              | 1.5 m         |          |           |          |           | *16 330  | 11 560    | *11 770  | 7 620     | 8 620    | 5 540     | 6 550    | 4 230     | *6 390     | 4 210     | 9.04   |
|                                                                                              | 0 m           |          |           |          |           | *17 230  | 11 210    | 11 860   | 7 370     | 8 460    | 5 390     |          |           | 6 670      | 4 290     | 8.83   |
|                                                                                              | -1.5 m        |          |           | *11 230  | *11 230   | *16 950  | 11 140    | 11 740   | 7 270     | 8 390    | 5 330     |          |           | 7 220      | 4 620     | 8.35   |
|                                                                                              | -3 m          |          |           | *18 610  | *18 610   | *15 650  | 11 230    | 11 780   | 7 300     | 8 470    | 5 400     |          |           | 8 410      | 5 370     | 7.53   |
|                                                                                              | -4.5 m        |          |           | *17 330  | *17 330   | *12 940  | 11 510    | *9 460   | 7 530     |          |           |          |           | *8 770     | 7 100     | 6.27   |
| Boom :<br>6.2 m<br>Arm :<br>3.7 m<br>Shoe :<br>600 mm<br>L/Frame:<br>LC                      | 9 m           |          |           |          |           |          |           | *6 600   | *6 600    |          |           |          |           | *5 250     | *5 250    | 6.57   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           |          |           | *6 020   | *6 020    |          |           | *4 760     | *4 760    | 7.89   |
|                                                                                              | 6 m           |          |           |          |           |          |           | *7 070   | *7 070    | *6 920   | 6 170     |          |           | *4 570     | *4 570    | 8.77   |
|                                                                                              | 4.5 m         |          |           |          |           | *9 520   | *9 520    | *8 190   | *8 190    | *7 460   | 6 000     | *6 010   | 4 430     | *4 560     | 4 170     | 9.32   |
|                                                                                              | 3 m           |          |           |          |           | *12 560  | *12 560   | *9 680   | 8 110     | *8 230   | 5 770     | 6 660    | 4 330     | *4 680     | 3 880     | 9.60   |
|                                                                                              | 1.5 m         |          |           |          |           | *15 300  | 11 730    | *11 130  | 7 670     | 8 630    | 5 540     | 6 540    | 4 210     | *4 960     | 3 780     | 9.65   |
|                                                                                              | 0 m           |          |           | *6 600   | *6 600    | *16 810  | 11 210    | 11 850   | 7 350     | 8 420    | 5 350     | 6 430    | 4 120     | *5 440     | 3 830     | 9.45   |
|                                                                                              | -1.5 m        | *6 600   | *6 600    | *10 580  | *10 580   | *17 080  | 11 020    | 11 660   | 7 190     | 8 310    | 5 250     | *6 270   | 4 080     | *6 230     | 4 080     | 9.00   |
|                                                                                              | -3 m          | *11 070  | *11 070   | *15 950  | *15 950   | *16 290  | 11 040    | 11 630   | 7 160     | 8 310    | 5 240     |          |           | 7 260      | 4 620     | 8.26   |
|                                                                                              | -4.5 m        |          |           | *19 850  | *19 850   | *14 290  | 11 230    | *10 690  | 7 290     |          |           |          |           | *8 330     | 5 780     | 7.13   |
| Boom :<br>6.2 m<br>Arm :<br>2.55 m<br>Shoe :<br>600 mm<br>L/Frame:<br>LC<br>Dozer blade down | -6 m          |          |           |          |           | *10 050  | *10 050   |          |           |          |           |          |           |            |           | 5.35   |
|                                                                                              | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *9 200     | *9 200    | 4.72   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *8 400   | *8 400    |          |           |          |           | *8 480     | 8 330     | 6.45   |
|                                                                                              | 6 m           |          |           |          |           | *9 680   | *9 680    | *8 680   | *8 680    |          |           |          |           | *8 330     | 6 480     | 7.49   |
|                                                                                              | 4.5 m         |          |           |          |           | *12 070  | *12 070   | *9 700   | 8 970     | *8 590   | 6 370     |          |           | *8 370     | 5 600     | 8.13   |
|                                                                                              | 3 m           |          |           |          |           | *15 010  | 13 040    | *11 020  | 8 570     | *9 180   | 6 190     |          |           | *8 520     | 5 170     | 8.46   |
|                                                                                              | 1.5 m         |          |           |          |           | *16 930  | 12 410    | *12 150  | 8 230     | *9 750   | 6 020     |          |           | *8 740     | 5 030     | 8.51   |
|                                                                                              | 0 m           |          |           |          |           | *17 290  | 12 190    | *12 710  | 8 030     | *10 040  | 5 900     |          |           | *9 000     | 5 160     | 8.29   |
|                                                                                              | -1.5 m        |          |           | *12 210  | *12 210   | *16 610  | 12 190    | *12 530  | 7 970     | *9 740   | 5 880     |          |           | *9 270     | 5 620     | 7.77   |
|                                                                                              | -3 m          |          |           | *19 630  | *19 630   | *14 920  | 12 350    | *11 360  | 8 060     |          |           |          |           | *9 450     | 6 690     | 6.89   |
| Boom :<br>6.2 m<br>Arm :<br>3.05 m<br>Shoe :<br>600 mm<br>L/Frame:<br>LC<br>Dozer blade down | -4.5 m        |          |           |          |           | *11 530  | *11 530   |          |           |          |           |          |           | *9 200     | *9 200    | 5.47   |
|                                                                                              | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *6 840     | *6 840    | 5.63   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *7 590   | *7 590    |          |           |          |           | *6 090     | *6 090    | 7.13   |
|                                                                                              | 6 m           |          |           |          |           |          |           | *8 000   | *8 000    | *7 690   | 6 570     |          |           | *5 820     | 5 780     | 8.09   |
|                                                                                              | 4.5 m         |          |           | *15 710  | *15 710   | *11 000  | *11 000   | *9 080   | 9 080     | *8 120   | 6 430     |          |           | *5 810     | 5 080     | 8.68   |
|                                                                                              | 3 m           |          |           |          |           | *13 990  | 13 300    | *10 490  | 8 660     | *8 800   | 6 230     |          |           | *5 990     | 4 720     | 8.99   |
|                                                                                              | 1.5 m         |          |           |          |           | *16 330  | 12 540    | *11 770  | 8 280     | *9 480   | 6 030     | *6 780   | 4 630     | *6 390     | 4 600     | 9.04   |
|                                                                                              | 0 m           |          |           |          |           | *17 230  | 12 200    | *12 540  | 8 030     | *9 920   | 5 880     |          |           | *7 090     | 4 700     | 8.83   |
|                                                                                              | -1.5 m        |          |           | *11 230  | *11 230   | *16 950  | 12 120    | *12 620  | 7 930     | *9 890   | 5 820     |          |           | *8 300     | 5 060     | 8.35   |
|                                                                                              | -3 m          |          |           | *18 610  | *18 610   | *15 650  | 12 220    | *11 840  | 7 960     | *8 890   | 5 890     |          |           | *8 820     | 5 860     | 7.53   |
| Boom :<br>6.2 m<br>Arm :<br>3.7 m<br>Shoe :<br>600 mm<br>L/Frame:<br>LC<br>Dozer blade down  | -4.5 m        |          |           | *17 330  | *17 330   | *12 940  | 12 490    | *9 460   | 8 190     |          |           |          |           | *8 770     | 7 730     | 6.27   |
|                                                                                              | 9 m           |          |           |          |           |          |           | *6 600   | *6 600    |          |           |          |           | *5 250     | *5 250    | 6.57   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           |          |           | *6 020   | *6 020    |          |           | *4 760     | *4 760    | 7.89   |
|                                                                                              | 6 m           |          |           |          |           |          |           | *7 070   | *7 070    | *6 920   | 6 670     |          |           | *4 570     | *4 570    | 8.77   |
|                                                                                              | 4.5 m         |          |           |          |           | *9 520   | *9 520    | *8 190   | *8 190    | *7 460   | 6 500     | *6 010   | 4 830     | *4 560     | 4 550     | 9.32   |
|                                                                                              | 3 m           |          |           |          |           | *12 560  | *12 560   | *9 680   | 8 770     | *8 230   | 6 270     | *7 410   | 4 730     | *4 680     | 4 250     | 9.60   |
|                                                                                              | 1.5 m         |          |           |          |           | *15 300  | 12 710    | *11 130  | 8 330     | *9 040   | 6 030     | *7 820   | 4 610     | *4 960     | 4 140     | 9.65   |
|                                                                                              | 0 m           |          |           | *6 600   | *6 600    | *16 810  | 12 190    | *12 160  | 8 010     | *9 650   | 5 850     | *8 080   | 4 510     | *5 440     | 4 210     | 9.45   |
|                                                                                              | -1.5 m        | *6 600   | *6 600    | *10 580  | *10 580   | *17 080  | 12 000    | *12 560  | 7 840     | *9 870   | 5 740     | *6 270   | 4 480     | *6 230     | 4 480     | 9.00   |
|                                                                                              | -3 m          | *11 070  | *11 070   | *15 950  | *15 950   | *16 290  | 12 020    | *12 180  | 7 820     | *9 440   | 5 740     |          |           | *7 630     | 5 060     | 8.26   |
|                                                                                              | -4.5 m        |          |           | *19 850  | *19 850   | *14 290  | 12 220    | *10 690  | 7 950     |          |           |          |           | *8 330     | 6 310     | 7.13   |
|                                                                                              | -6 m          |          |           |          |           | *10 050  | *10 050   |          |           |          |           |          |           |            |           | 5.35   |

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 - ECR355EL

At the arm end without bucket.

For Lifting capacity including bucket. Simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

|                                                                                                           | Lifting point | 1.5 m    |           | 3 m      |           | 4.5 m    |           | 6.0 m    |           | 7.5 m    |           | 9.0 m    |           | Max. reach |           |        |
|-----------------------------------------------------------------------------------------------------------|---------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|--------|
|                                                                                                           |               | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC   | Across UC | Max. m |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>2.55 m<br>Shoe :<br>600 mm<br>L/Frame:<br>LC                     | 9 m           |          |           |          |           | *11 360  | *11 360   |          |           |          |           |          |           | *10 220    | *10 220   | 4.83   |
|                                                                                                           | 7.5 m         |          |           |          |           | *11 520  | *11 520   | *10 600  | 8 780     |          |           |          |           | *8 910     | 7 570     | 6.53   |
|                                                                                                           | 6 m           |          |           |          |           | *12 660  | *12 660   | *10 800  | 8 650     | *9 000   | 5 950     |          |           | *8 480     | 5 860     | 7.56   |
|                                                                                                           | 4.5 m         |          |           |          |           | *14 860  | 13 030    | *11 530  | 8 300     | 9 020    | 5 850     |          |           | 7 780      | 5 040     | 8.20   |
|                                                                                                           | 3 m           |          |           |          |           | *16 730  | 12 000    | *12 310  | 7 870     | 8 810    | 5 650     |          |           | 7 210      | 4 640     | 8.52   |
|                                                                                                           | 1.5 m         |          |           |          |           | *16 290  | 11 310    | 12 090   | 7 500     | 8 600    | 5 470     |          |           | 7 050      | 4 500     | 8.57   |
|                                                                                                           | 0 m           |          |           |          |           | *15 950  | 11 090    | 11 840   | 7 290     | 8 470    | 5 340     |          |           | 7 260      | 4 620     | 8.35   |
|                                                                                                           | -1.5 m        |          |           | *11 220  | *11 220   | *13 720  | 11 100    | *10 910  | 7 230     | *8 200   | 5 330     |          |           | *7 450     | 5 040     | 7.84   |
|                                                                                                           | -3 m          |          |           |          |           | *10 340  | *10 340   | *8 270   | 7 340     |          |           |          |           | *6 280     | 6 020     | 6.97   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.05 m<br>Shoe :<br>600 mm<br>L/Frame:<br>LC                     | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *7 020     | *7 020    | 5.73   |
|                                                                                                           | 7.5 m         |          |           |          |           |          |           | *8 890   | *8 890    |          |           |          |           | *6 190     | *6 190    | 7.21   |
|                                                                                                           | 6 m           |          |           |          |           | *9 240   | *9 240    | *9 680   | 8 800     | *8 520   | 6 070     |          |           | *5 880     | 5 220     | 8.16   |
|                                                                                                           | 4.5 m         |          |           | *20 630  | *20 630   | *14 040  | 13 340    | *11 080  | 8 430     | 9 100    | 5 920     |          |           | *5 820     | 4 560     | 8.75   |
|                                                                                                           | 3 m           |          |           |          |           | *16 140  | 12 280    | *12 000  | 7 970     | 8 860    | 5 700     | *6 470   | 4 270     | *5 970     | 4 230     | 9.05   |
|                                                                                                           | 1.5 m         |          |           |          |           | *17 160  | 11 460    | 12 160   | 7 560     | 8 620    | 5 480     | 6 550    | 4 180     | *6 310     | 4 110     | 9.10   |
|                                                                                                           | 0 m           |          |           |          |           | *16 570  | 11 090    | 11 850   | 7 290     | 8 450    | 5 330     |          |           | 6 600      | 4 200     | 8.89   |
|                                                                                                           | -1.5 m        |          |           | *10 430  | *10 430   | *14 740  | 11 020    | *11 430  | 7 190     | 8 390    | 5 270     |          |           | *7 050     | 4 530     | 8.41   |
|                                                                                                           | -3 m          |          |           |          |           | *11 750  | 11 140    | *9 290   | 7 240     | *6 440   | 5 360     |          |           | *6 140     | 5 260     | 7.61   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.7 m<br>Shoe :<br>600 mm<br>L/Frame:<br>LC                      | 10.5 m        |          |           |          |           | *6 920   | *6 920    |          |           |          |           |          |           | *6 780     | *6 780    | 4.55   |
|                                                                                                           | 9 m           |          |           |          |           |          |           | *6 900   | *6 900    |          |           |          |           | *5 380     | *5 380    | 6.67   |
|                                                                                                           | 7.5 m         |          |           |          |           |          |           | *7 210   | *7 210    | *6 330   | 6 230     |          |           | *4 850     | *4 850    | 7.98   |
|                                                                                                           | 6 m           |          |           |          |           |          |           | *7 530   | *7 530    | *7 390   | 6 180     |          |           | *4 620     | 4 590     | 8.85   |
|                                                                                                           | 4.5 m         |          |           | *9 140   | *9 140    | *9 290   | *9 290    | *9 120   | 8 590     | *8 510   | 6 000     | *6 330   | 4 410     | *4 570     | 4 070     | 9.39   |
|                                                                                                           | 3 m           |          |           |          |           | *15 150  | 12 630    | *11 450  | 8 100     | 8 920    | 5 750     | 6 670    | 4 290     | *4 670     | 3 790     | 9.68   |
|                                                                                                           | 1.5 m         |          |           |          |           | *16 770  | 11 650    | 12 250   | 7 620     | 8 640    | 5 490     | 6 540    | 4 170     | *4 910     | 3 690     | 9.72   |
|                                                                                                           | 0 m           |          |           | *5 850   | *5 850    | *16 900  | 11 090    | 11 850   | 7 280     | 8 420    | 5 290     | 6 430    | 4 070     | *5 330     | 3 750     | 9.53   |
|                                                                                                           | -1.5 m        |          |           | *9 870   | *9 870    | *15 680  | 10 890    | 11 650   | 7 100     | 8 300    | 5 180     | 6 400    | 4 040     | *6 040     | 3 990     | 9.08   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>2.55 m<br>Shoe :<br>600 mm<br>L/Frame:<br>LC<br>Dozer blade down | -3 m          |          |           | *15 310  | *15 310   | *13 250  | 10 930    | *10 260  | 7 090     | *7 720   | 5 190     |          |           | *6 020     | 4 530     | 8.34   |
|                                                                                                           | -4.5 m        |          |           |          |           | *9 370   | *9 370    | *7 200   | *7 200    |          |           |          |           |            |           | 7.22   |
|                                                                                                           | 9 m           |          |           |          |           | *11 360  | *11 360   |          |           |          |           |          |           | *10 220    | *10 220   | 4.83   |
|                                                                                                           | 7.5 m         |          |           |          |           | *11 520  | *11 520   | *10 600  | 9 440     |          |           |          |           | *8 910     | 8 160     | 6.53   |
|                                                                                                           | 6 m           |          |           |          |           | *12 660  | *12 660   | *10 800  | 9 310     | *9 000   | 6 450     |          |           | *8 480     | 6 350     | 7.56   |
|                                                                                                           | 4.5 m         |          |           |          |           | *14 860  | 14 020    | *11 530  | 8 960     | *9 670   | 6 340     |          |           | *8 480     | 5 490     | 8.20   |
|                                                                                                           | 3 m           |          |           |          |           | *16 730  | 12 980    | *12 310  | 8 530     | *9 920   | 6 150     |          |           | *8 720     | 5 060     | 8.52   |
|                                                                                                           | 1.5 m         |          |           |          |           | *16 290  | 12 290    | *12 680  | 8 160     | *9 970   | 5 960     |          |           | *8 430     | 4 920     | 8.57   |
|                                                                                                           | 0 m           |          |           |          |           | *15 950  | 12 070    | *12 270  | 7 950     | *9 530   | 5 840     |          |           | *8 060     | 5 050     | 8.35   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.05 m<br>Shoe :<br>600 mm<br>L/Frame:<br>LC<br>Dozer blade down | -1.5 m        |          |           | *11 220  | *11 220   | *13 720  | 12 090    | *10 910  | 7 890     | *8 200   | 5 830     |          |           | *7 450     | 5 510     | 7.84   |
|                                                                                                           | -3 m          |          |           |          |           | *10 340  | *10 340   | *8 270   | 8 000     |          |           |          |           | *6 280     | *6 280    | 6.97   |
|                                                                                                           | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *7 020     | *7 020    | 5.73   |
|                                                                                                           | 7.5 m         |          |           |          |           |          |           | *8 890   | *8 890    |          |           |          |           | *6 190     | *6 190    | 7.21   |
|                                                                                                           | 6 m           |          |           |          |           | *9 240   | *9 240    | *9 680   | 9 450     | *8 520   | 6 560     |          |           | *5 880     | 5 660     | 8.16   |
|                                                                                                           | 4.5 m         |          |           | *20 630  | *20 630   | *14 040  | *14 040   | *11 080  | 9 090     | *9 370   | 6 410     |          |           | *5 820     | 4 970     | 8.75   |
|                                                                                                           | 3 m           |          |           |          |           | *16 140  | 13 260    | *12 000  | 8 630     | *9 740   | 6 200     | *6 470   | 4 670     | *5 970     | 4 620     | 9.05   |
|                                                                                                           | 1.5 m         |          |           |          |           | *17 160  | 12 440    | *12 570  | 8 220     | *9 940   | 5 980     | *7 370   | 4 580     | *6 310     | 4 510     | 9.10   |
|                                                                                                           | 0 m           |          |           |          |           | *16 570  | 12 070    | *12 450  | 7 950     | *9 710   | 5 820     |          |           | *6 930     | 4 600     | 8.89   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.7 m<br>Shoe :<br>600 mm<br>L/Frame:<br>LC<br>Dozer blade down  | -1.5 m        |          |           | *10 430  | *10 430   | *14 740  | 12 000    | *11 430  | 7 840     | *8 780   | 5 760     |          |           | *7 050     | 4 960     | 8.41   |
|                                                                                                           | -3 m          |          |           |          |           | *11 750  | *11 750   | *9 290   | 7 900     | *6 440   | 5 850     |          |           | *6 140     | 5 750     | 7.61   |
|                                                                                                           | 10.5 m        |          |           |          |           | *6 920   | *6 920    |          |           |          |           |          |           | *6 780     | *6 780    | 4.55   |
|                                                                                                           | 9 m           |          |           |          |           |          |           | *6 900   | *6 900    |          |           |          |           | *5 380     | *5 380    | 6.67   |
|                                                                                                           | 7.5 m         |          |           |          |           |          |           | *7 210   | *7 210    | *6 330   | *6 330    |          |           | *4 850     | *4 850    | 7.98   |
|                                                                                                           | 6 m           |          |           |          |           |          |           | *7 530   | *7 530    | *7 390   | 6 680     |          |           | *4 620     | *4 620    | 8.85   |
|                                                                                                           | 4.5 m         |          |           | *9 140   | *9 140    | *9 290   | *9 290    | *9 120   | *9 120    | *8 510   | 6 490     | *6 330   | 4 800     | *4 570     | 4 450     | 9.39   |
|                                                                                                           | 3 m           |          |           |          |           | *15 150  | 13 610    | *11 450  | 8 760     | *9 390   | 6 240     | *7 640   | 4 690     | *4 670     | 4 160     | 9.68   |
|                                                                                                           | 1.5 m         |          |           |          |           | *16 770  | 12 630    | *12 270  | 8 280     | *9 760   | 5 990     | *8 050   | 4 560     | *4 910     | 4 050     | 9.72   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.05 m<br>Shoe :<br>600 mm<br>L/Frame:<br>LC<br>Dozer blade down | 0 m           |          |           | *5 850   | *5 850    | *16 900  | 12 080    | *12 480  | 7 940     | *9 770   | 5 790     | *7 780   | 4 460     | *5 330     | 4 120     | 9.53   |
|                                                                                                           | -1.5 m        |          |           | *9 870   | *9 870    | *15 680  | 11 880    | *11 870  | 7 760     | *9 210   | 5 680     | *6 830   | 4 430     | *6 040     | 4 380     | 9.08   |
|                                                                                                           | -3 m          |          |           | *15 310  | *15 310   | *13 250  | 11 910    | *10 260  | 7 750     | *7 720   | 5 690     |          |           | *6 020     | 4 960     | 8.34   |
|                                                                                                           | -4.5 m        |          |           |          |           | *9 370   | *9 370    | *7 200   | *7 200    |          |           |          |           |            |           | 7.22   |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities.

2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.

3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.

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

# LIFTING CAPACITY - ECR355EL

At the arm end without bucket.

For Lifting capacity including bucket. Simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

|                                                                                              | Lifting point | 1.5 m    |           | 3 m      |           | 4.5 m    |           | 6.0 m    |           | 7.5 m    |           | 9.0 m    |           | Max. reach |           |        |        |      |
|----------------------------------------------------------------------------------------------|---------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|--------|--------|------|
|                                                                                              |               | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC   | Across UC | Max. m |        |      |
| Boom :<br>6.2 m<br>Arm :<br>2.55 m<br>Shoe :<br>700 mm<br>L/Frame:<br>LC                     | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           |            | *9 200    | *9 200 | 4.72   |      |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *8 400   | *8 400    |          |           |          |           |            |           | *8 480 | 7 870  | 6.45 |
|                                                                                              | 6 m           |          |           |          |           | *9 680   | *9 680    | *8 680   | *8 680    |          |           |          |           |            |           | *8 330 | 6 100  | 7.49 |
|                                                                                              | 4.5 m         |          |           |          |           | *12 070  | *12 070   | *9 700   | 8 460     | *8 590   | 5 990     |          |           |            |           | 8 030  | 5 250  | 8.13 |
|                                                                                              | 3 m           |          |           |          |           | *15 010  | 12 290    | *11 020  | 8 060     | 8 970    | 5 810     |          |           |            |           | 7 440  | 4 840  | 8.46 |
|                                                                                              | 1.5 m         |          |           |          |           | *16 930  | 11 660    | *12 150  | 7 720     | 8 780    | 5 640     |          |           |            |           | 7 280  | 4 700  | 8.51 |
|                                                                                              | 0 m           |          |           |          |           | *17 290  | 11 440    | 12 090   | 7 520     | 8 650    | 5 520     |          |           |            |           | 7 490  | 4 820  | 8.29 |
|                                                                                              | -1.5 m        |          |           | *12 210  | *12 210   | *16 610  | 11 440    | 12 030   | 7 460     | 8 630    | 5 500     |          |           |            |           | 8 210  | 5 250  | 7.77 |
|                                                                                              | -3 m          |          |           | *19 630  | *19 630   | *14 920  | 11 590    | *11 360  | 7 550     |          |           |          |           |            |           | *9 450 | 6 270  | 6.89 |
| -4.5 m                                                                                       |               |          |           |          | *11 530   | *11 530  |           |          |           |          |           |          |           |            | *9 200    | 8 940  | 5.47   |      |
| Boom :<br>6.2 m<br>Arm :<br>3.05 m<br>Shoe :<br>700 mm<br>L/Frame:<br>LC                     | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           |            |           | *6 840 | *6 840 | 5.63 |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *7 590   | *7 590    |          |           |          |           |            |           | *6 090 | *6 090 | 7.13 |
|                                                                                              | 6 m           |          |           |          |           |          |           | *8 000   | *8 000    | *7 690   | 6 190     |          |           |            |           | *5 820 | 5 430  | 8.09 |
|                                                                                              | 4.5 m         |          |           | *15 710  | *15 710   | *11 000  | *11 000   | *9 080   | 8 570     | *8 120   | 6 050     |          |           |            |           | *5 810 | 4 760  | 8.68 |
|                                                                                              | 3 m           |          |           |          |           | *13 990  | 12 540    | *10 490  | 8 150     | *8 800   | 5 850     |          |           |            |           | *5 990 | 4 420  | 8.99 |
|                                                                                              | 1.5 m         |          |           |          |           | *16 330  | 11 790    | *11 770  | 7 770     | 8 800    | 5 650     | 6 690    | 4 320     |            |           | *6 390 | 4 300  | 9.04 |
|                                                                                              | 0 m           |          |           |          |           | *17 230  | 11 440    | 12 100   | 7 520     | 8 630    | 5 500     |          |           |            |           | 6 820  | 4 390  | 8.83 |
|                                                                                              | -1.5 m        |          |           | *11 230  | *11 230   | *16 950  | 11 360    | 11 980   | 7 420     | 8 570    | 5 440     |          |           |            |           | 7 370  | 4 720  | 8.35 |
|                                                                                              | -3 m          |          |           | *18 610  | *18 610   | *15 650  | 11 460    | *11 840  | 7 450     | 8 640    | 5 510     |          |           |            |           | 8 590  | 5 480  | 7.53 |
| -4.5 m                                                                                       |               |          | *17 330   | *17 330  | *12 940   | 11 740   | *9 460    | 7 680    |           |          |           |          |           |            | *8 770    | 7 250  | 6.27   |      |
| Boom :<br>6.2 m<br>Arm :<br>3.7 m<br>Shoe :<br>700 mm<br>L/Frame:<br>LC                      | 9 m           |          |           |          |           |          |           | *6 600   | *6 600    |          |           |          |           |            |           | *5 250 | *5 250 | 6.57 |
|                                                                                              | 7.5 m         |          |           |          |           |          |           |          |           | *6 020   | *6 020    |          |           |            |           | *4 760 | *4 760 | 7.89 |
|                                                                                              | 6 m           |          |           |          |           |          |           | *7 070   | *7 070    | *6 920   | 6 290     |          |           |            |           | *4 570 | *4 570 | 8.77 |
|                                                                                              | 4.5 m         |          |           |          |           | *9 520   | *9 520    | *8 190   | *8 190    | *7 460   | 6 120     | *6 010   | 4 530     |            |           | *4 560 | 4 250  | 9.32 |
|                                                                                              | 3 m           |          |           |          |           | *12 560  | *12 560   | *9 680   | 8 260     | *8 230   | 5 890     | 6 800    | 4 420     |            |           | *4 680 | 3 970  | 9.60 |
|                                                                                              | 1.5 m         |          |           |          |           | *15 300  | 11 960    | *11 130  | 7 830     | 8 810    | 5 650     | 6 680    | 4 300     |            |           | *4 960 | 3 860  | 9.65 |
|                                                                                              | 0 m           |          |           | *6 600   | *6 600    | *16 810  | 11 440    | 12 100   | 7 510     | 8 600    | 5 470     | 6 570    | 4 210     |            |           | *5 440 | 3 920  | 9.45 |
|                                                                                              | -1.5 m        | *6 600   | *6 600    | *10 580  | *10 580   | *17 080  | 11 240    | 11 910   | 7 340     | 8 490    | 5 360     | *6 270   | 4 170     |            |           | *6 230 | 4 170  | 9.00 |
|                                                                                              | -3 m          | *11 070  | *11 070   | *15 950  | *15 950   | *16 290  | 11 260    | 11 880   | 7 310     | 8 480    | 5 360     |          |           |            |           | 7 410  | 4 720  | 8.26 |
| -4.5 m                                                                                       |               |          | *19 850   | *19 850  | *14 290   | 11 460   | *10 690   | 7 440    |           |          |           |          |           |            | *8 330    | 5 900  | 7.13   |      |
| -6 m                                                                                         |               |          |           |          | *10 050   | *10 050  |           |          |           |          |           |          |           |            |           |        | 5.35   |      |
| Boom :<br>6.2 m<br>Arm :<br>2.55 m<br>Shoe :<br>700 mm<br>L/Frame:<br>LC<br>Dozer blade down | 9 m           |          |           |          |           |          |           | *8 400   | *8 400    |          |           |          |           |            |           | *9 200 | *9 200 | 4.72 |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *8 400   | *8 400    |          |           |          |           |            |           | *8 480 | 8 470  | 6.45 |
|                                                                                              | 6 m           |          |           |          |           | *9 680   | *9 680    | *8 680   | *8 680    |          |           |          |           |            |           | *8 330 | 6 600  | 7.49 |
|                                                                                              | 4.5 m         |          |           |          |           | *12 070  | *12 070   | *9 700   | 9 120     | *8 590   | 6 490     |          |           |            |           | *8 370 | 5 700  | 8.13 |
|                                                                                              | 3 m           |          |           |          |           | *15 010  | 13 270    | *11 020  | 8 720     | *9 180   | 6 310     |          |           |            |           | *8 520 | 5 270  | 8.46 |
|                                                                                              | 1.5 m         |          |           |          |           | *16 930  | 12 640    | *12 150  | 8 380     | *9 740   | 6 130     |          |           |            |           | *8 740 | 5 130  | 8.51 |
|                                                                                              | 0 m           |          |           |          |           | *17 290  | 12 420    | *12 170  | 8 180     | *10 050  | 6 000     |          |           |            |           | *9 000 | 5 260  | 8.29 |
|                                                                                              | -1.5 m        |          |           | *12 210  | *12 210   | *16 610  | 12 420    | *12 530  | 8 120     | *9 740   | 6 000     |          |           |            |           | *9 270 | 5 730  | 7.77 |
|                                                                                              | -3 m          |          |           | *19 630  | *19 630   | *14 920  | 12 580    | *11 360  | 8 210     |          |           |          |           |            |           | *9 450 | 6 820  | 6.89 |
| -4.5 m                                                                                       |               |          |           |          | *11 530   | *11 530  |           |          |           |          |           |          |           |            | *9 200    | *9 200 | 5.47   |      |
| Boom :<br>6.2 m<br>Arm :<br>3.05 m<br>Shoe :<br>700 mm<br>L/Frame:<br>LC<br>Dozer blade down | 9 m           |          |           |          |           |          |           | *7 590   | *7 590    |          |           |          |           |            |           | *6 840 | *6 840 | 5.63 |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *7 590   | *7 590    |          |           |          |           |            |           | *6 090 | *6 090 | 7.13 |
|                                                                                              | 6 m           |          |           |          |           |          |           | *8 000   | *8 000    | *7 690   | 6 690     |          |           |            |           | *5 820 | *5 820 | 8.09 |
|                                                                                              | 4.5 m         |          |           | *15 710  | *15 710   | *11 000  | *11 000   | *9 080   | *9 080    | *8 120   | 6 550     |          |           |            |           | *5 810 | 5 170  | 8.68 |
|                                                                                              | 3 m           |          |           |          |           | *13 990  | 13 530    | *10 490  | 8 810     | *8 800   | 6 350     |          |           |            |           | *5 990 | 4 810  | 8.99 |
|                                                                                              | 1.5 m         |          |           |          |           | *16 330  | 12 770    | *11 770  | 8 430     | *9 480   | 6 150     | *6 780   | 4 720     |            |           | *6 390 | 4 690  | 9.04 |
|                                                                                              | 0 m           |          |           |          |           | *17 230  | 12 430    | *12 540  | 8 180     | *9 920   | 6 000     |          |           |            |           | *7 090 | 4 790  | 8.83 |
|                                                                                              | -1.5 m        |          |           | *11 230  | *11 230   | *16 950  | 12 350    | *12 620  | 8 080     | *9 890   | 5 940     |          |           |            |           | *8 300 | 5 160  | 8.35 |
|                                                                                              | -3 m          |          |           | *18 610  | *18 610   | *15 650  | 12 450    | *11 840  | 8 110     | *8 890   | 6 010     |          |           |            |           | *8 820 | 5 970  | 7.53 |
| -4.5 m                                                                                       |               |          | *17 330   | *17 330  | *12 940   | 12 720   | *9 460    | 8 340    |           |          |           |          |           |            | *8 770    | 7 870  | 6.27   |      |
| Boom :<br>6.2 m<br>Arm :<br>3.7 m<br>Shoe :<br>700 mm<br>L/Frame:<br>LC<br>Dozer blade down  | 9 m           |          |           |          |           |          |           | *6 600   | *6 600    |          |           |          |           |            |           | *5 250 | *5 250 | 6.57 |
|                                                                                              | 7.5 m         |          |           |          |           |          |           |          |           | *6 020   | *6 020    |          |           |            |           | *4 760 | *4 760 | 7.89 |
|                                                                                              | 6 m           |          |           |          |           |          |           | *7 070   | *7 070    | *6 920   | 6 780     |          |           |            |           | *4 570 | *4 570 | 8.77 |
|                                                                                              | 4.5 m         |          |           |          |           | *9 520   | *9 520    | *8 190   | *8 190    | *7 460   | 6 610     | *6 010   | 4 920     |            |           | *4 560 | *4 560 | 9.32 |
|                                                                                              | 3 m           |          |           |          |           | *12 560  | *12 560   | *9 680   | 8 920     | *8 230   | 6 380     | *7 410   | 4 820     |            |           | *4 680 | 4 340  | 9.60 |
|                                                                                              | 1.5 m         |          |           |          |           | *15 300  | 12 940    | *11 130  | 8 490     | *9 040   | 6 150     | *7 820   | 4 700     |            |           | *4 960 | 4 230  | 9.65 |
|                                                                                              | 0 m           |          |           | *6 600   | *6 600    | *16 810  | 12 420    | *12 160  | 8 170     | *9 650   | 5 960     | *8 080   | 4 600     |            |           | *5 440 | 4 300  | 9.45 |
|                                                                                              | -1.5 m        | *6 600   | *6 600    | *10 580  | *10 580   | *17 080  | 12 230    | *12 560  | 8 000     | *9 870   | 5 860     | *6 270   | 4 570     |            |           | *6 230 | 4 570  | 9.00 |
|                                                                                              | -3 m          | *11 070  | *11 070   | *15 950  | *15 950   | *16 290  | 12 250    | *12 180  | 7 970     | *9 440   | 5 850     |          |           |            |           | *7 630 | 5 160  | 8.26 |
| -4.5 m                                                                                       |               |          | *19 850   | *19 850  | *14 290   | 12 440   | *10 690   | 8 100    |           |          |           |          |           |            | *8 330    | 6 430  | 7.13   |      |
| -6 m                                                                                         |               |          |           |          | *10 050   | *10 050  |           |          |           |          |           |          |           |            |           |        | 5.35   |      |

# Specifications

## LIFTING CAPACITY - ECR355EL

At the arm end without bucket.

For Lifting capacity including bucket. Simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

|                                                                                                           | Lifting point | 1.5 m    |           | 3 m      |           | 4.5 m    |           | 6.0 m    |           | 7.5 m    |           | 9.0 m    |           | Max. reach |           |        |
|-----------------------------------------------------------------------------------------------------------|---------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|--------|
|                                                                                                           |               | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC   | Across UC | Max. m |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>2.55 m<br>Shoe :<br>700 mm<br>L/Frame:<br>LC                     | 9 m           |          |           |          |           | *11 360  | *11 360   |          |           |          |           |          |           | *10 220    | *10 220   | 4.83   |
|                                                                                                           | 7.5 m         |          |           |          |           | *11 520  | *11 520   | *10 600  | 8 930     |          |           |          |           | *8 910     | 7 700     | 6.53   |
|                                                                                                           | 6 m           |          |           |          |           | *12 660  | *12 660   | *10 800  | 8 810     | *9 000   | 6 070     |          |           | *8 480     | 5 970     | 7.56   |
|                                                                                                           | 4.5 m         |          |           |          |           | *14 860  | 13 260    | *11 530  | 8 460     | 9 200    | 5 960     |          |           | 7 940      | 5 140     | 8.20   |
|                                                                                                           | 3 m           |          |           |          |           | *16 730  | 12 220    | *12 310  | 8 020     | 8 980    | 5 770     |          |           | 7 360      | 4 730     | 8.52   |
|                                                                                                           | 1.5 m         |          |           |          |           | *16 290  | 11 540    | 12 330   | 7 650     | 8 780    | 5 580     |          |           | 7 190      | 4 600     | 8.57   |
|                                                                                                           | 0 m           |          |           |          |           | *15 950  | 11 310    | 12 090   | 7 440     | 8 640    | 5 460     |          |           | 7 410      | 4 720     | 8.35   |
|                                                                                                           | -1.5 m        |          |           | *11 220  | *11 220   | *13 720  | 11 330    | *10 910  | 7 390     | *8 200   | 5 440     |          |           | *7 450     | 5 150     | 7.84   |
|                                                                                                           | -3 m          |          |           |          |           | *10 340  | *10 340   | *8 270   | 7 500     |          |           |          |           | *6 280     | 6 140     | 6.97   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.05 m<br>Shoe :<br>700 mm<br>L/Frame:<br>LC                     | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *7 020     | *7 020    | 5.73   |
|                                                                                                           | 7.5 m         |          |           |          |           |          |           | *8 890   | *8 890    |          |           |          |           | *6 190     | *6 190    | 7.21   |
|                                                                                                           | 6 m           |          |           |          |           | *9 240   | *9 240    | *9 680   | 8 950     | *8 520   | 6 180     |          |           | *5 880     | 5 320     | 8.16   |
|                                                                                                           | 4.5 m         |          |           | *20 630  | *20 630   | *14 040  | 13 570    | *11 080  | 8 580     | 9 280    | 6 030     |          |           | *5 820     | 4 660     | 8.75   |
|                                                                                                           | 3 m           |          |           |          |           | *16 140  | 12 510    | *12 000  | 8 130     | 9 040    | 5 810     | *6 470   | 4 360     | *5 970     | 4 320     | 9.05   |
|                                                                                                           | 1.5 m         |          |           |          |           | *17 160  | 11 690    | 12 400   | 7 710     | 8 800    | 5 600     | 6 690    | 4 280     | *6 310     | 4 200     | 9.10   |
|                                                                                                           | 0 m           |          |           |          |           | *16 570  | 11 320    | 12 100   | 7 440     | 8 630    | 5 440     |          |           | 6 740      | 4 290     | 8.89   |
|                                                                                                           | -1.5 m        |          |           | *10 430  | *10 430   | *14 740  | 11 250    | *11 430  | 7 340     | 8 560    | 5 380     |          |           | *7 050     | 4 630     | 8.41   |
|                                                                                                           | -3 m          |          |           |          |           | *11 750  | 11 370    | *9 290   | 7 390     | *6 440   | 5 470     |          |           | *6 140     | 5 370     | 7.61   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.7 m<br>Shoe :<br>700 mm<br>L/Frame:<br>LC                      | 10.5 m        |          |           |          |           | *6 920   | *6 920    |          |           |          |           |          |           | *6 780     | *6 780    | 4.55   |
|                                                                                                           | 9 m           |          |           |          |           |          |           | *6 900   | *6 900    |          |           |          |           | *5 380     | *5 380    | 6.67   |
|                                                                                                           | 7.5 m         |          |           |          |           |          |           | *7 210   | *7 210    | *6 330   | *6 330    |          |           | *4 850     | *4 850    | 7.98   |
|                                                                                                           | 6 m           |          |           |          |           |          |           | *7 530   | *7 530    | *7 390   | 6 300     |          |           | *4 620     | *4 620    | 8.85   |
|                                                                                                           | 4.5 m         |          |           | *9 140   | *9 140    | *9 290   | *9 290    | *9 120   | 8 750     | *8 510   | 6 110     | *6 330   | 4 500     | *4 570     | 4 160     | 9.39   |
|                                                                                                           | 3 m           |          |           |          |           | *15 150  | 12 860    | *11 450  | 8 250     | 9 100    | 5 860     | 6 810    | 4 390     | *4 670     | 3 880     | 9.68   |
|                                                                                                           | 1.5 m         |          |           |          |           | *16 770  | 11 880    | *12 270  | 7 780     | 8 820    | 5 610     | 6 680    | 4 260     | *4 910     | 3 770     | 9.72   |
|                                                                                                           | 0 m           |          |           | *5 850   | *5 850    | *16 900  | 11 320    | 12 100   | 7 430     | 8 600    | 5 410     | 6 570    | 4 160     | *5 330     | 3 830     | 9.53   |
|                                                                                                           | -1.5 m        |          |           | *9 870   | *9 870    | *15 680  | 11 120    | *11 870  | 7 260     | 8 480    | 5 300     | 6 540    | 4 130     | *6 040     | 4 080     | 9.08   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>2.55 m<br>Shoe :<br>700 mm<br>L/Frame:<br>LC<br>Dozer blade down | -3 m          |          |           | *15 310  | *15 310   | *13 250  | 11 160    | *10 260  | 7 240     | *7 720   | 5 310     |          |           | *6 020     | 4 630     | 8.34   |
|                                                                                                           | -4.5 m        |          |           |          |           | *9 370   | *9 370    | *7 200   | *7 200    |          |           |          |           |            |           | 7.22   |
|                                                                                                           | 9 m           |          |           |          |           | *11 360  | *11 360   |          |           |          |           |          |           | *10 220    | *10 220   | 4.83   |
|                                                                                                           | 7.5 m         |          |           |          |           | *11 520  | *11 520   | *10 600  | 9 590     |          |           |          |           | *8 910     | 8 290     | 6.53   |
|                                                                                                           | 6 m           |          |           |          |           | *12 660  | *12 660   | *10 800  | 9 470     | *9 000   | 6 560     |          |           | *8 480     | 6 460     | 7.56   |
|                                                                                                           | 4.5 m         |          |           |          |           | *14 860  | 14 240    | *11 530  | 9 120     | *9 670   | 6 460     |          |           | *8 480     | 5 590     | 8.20   |
|                                                                                                           | 3 m           |          |           |          |           | *16 730  | 13 210    | *12 310  | 8 680     | *9 920   | 6 260     |          |           | *8 720     | 5 160     | 8.52   |
|                                                                                                           | 1.5 m         |          |           |          |           | *16 290  | 12 520    | *12 680  | 8 310     | *9 970   | 6 080     |          |           | *8 430     | 5 020     | 8.57   |
|                                                                                                           | 0 m           |          |           |          |           | *15 950  | 12 300    | *12 270  | 8 100     | *9 530   | 5 950     |          |           | *8 060     | 5 150     | 8.35   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.05 m<br>Shoe :<br>700 mm<br>L/Frame:<br>LC<br>Dozer blade down | -1.5 m        |          |           | *11 220  | *11 220   | *13 720  | 12 320    | *10 910  | 8 050     | *8 200   | 5 940     |          |           | *7 450     | 5 620     | 7.84   |
|                                                                                                           | -3 m          |          |           |          |           | *10 340  | *10 340   | *8 270   | 8 160     |          |           |          |           | *6 280     | *6 280    | 6.97   |
|                                                                                                           | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *6 840     | *6 840    | 5.63   |
|                                                                                                           | 7.5 m         |          |           |          |           |          |           | *7 590   | *7 590    |          |           |          |           | *6 090     | *6 090    | 7.13   |
|                                                                                                           | 6 m           |          |           |          |           |          |           | *8 000   | *8 000    | *7 690   | 6 690     |          |           | *5 820     | *5 820    | 8.09   |
|                                                                                                           | 4.5 m         |          |           | *15 710  | *15 710   | *11 000  | *11 000   | *9 080   | *9 080    | *8 120   | 6 550     |          |           | *5 810     | 5 170     | 8.68   |
|                                                                                                           | 3 m           |          |           |          |           | *13 990  | 13 530    | *10 490  | 8 810     | *8 800   | 6 350     |          |           | *5 990     | 4 810     | 8.99   |
|                                                                                                           | 1.5 m         |          |           |          |           | *16 330  | 12 770    | *11 770  | 8 430     | *9 480   | 6 150     | *6 780   | 4 720     | *6 390     | 4 690     | 9.04   |
|                                                                                                           | 0 m           |          |           |          |           | *17 230  | 12 430    | *12 540  | 8 180     | *9 920   | 6 000     |          |           | *7 090     | 4 790     | 8.83   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.7 m<br>Shoe :<br>700 mm<br>L/Frame:<br>LC<br>Dozer blade down  | -1.5 m        |          |           | *11 230  | *11 230   | *16 950  | 12 350    | *12 620  | 8 080     | *9 890   | 5 940     |          |           | *8 300     | 5 160     | 8.35   |
|                                                                                                           | -3 m          |          |           | *18 610  | *18 610   | *15 650  | 12 450    | *11 840  | 8 110     | *8 890   | 6 010     |          |           | *8 820     | 5 970     | 7.53   |
|                                                                                                           | -4.5 m        |          |           | *17 330  | *17 330   | *12 940  | 12 720    | *9 460   | 8 340     |          |           |          |           | *8 770     | 7 870     | 6.27   |
|                                                                                                           | 10.5 m        |          |           |          |           | *6 920   | *6 920    |          |           |          |           |          |           | *6 780     | *6 780    | 4.55   |
|                                                                                                           | 9 m           |          |           |          |           |          |           | *6 900   | *6 900    |          |           |          |           | *5 380     | *5 380    | 6.67   |
|                                                                                                           | 7.5 m         |          |           |          |           |          |           | *7 210   | *7 210    | *6 330   | *6 330    |          |           | *4 850     | *4 850    | 7.98   |
|                                                                                                           | 6 m           |          |           |          |           |          |           | *7 530   | *7 530    | *7 390   | 6 790     |          |           | *4 620     | *4 620    | 8.85   |
|                                                                                                           | 4.5 m         |          |           | *9 140   | *9 140    | *9 290   | *9 290    | *9 120   | *9 120    | *8 510   | 6 610     | *6 330   | 4 890     | *4 570     | 4 540     | 9.39   |
|                                                                                                           | 3 m           |          |           |          |           | *15 150  | 13 840    | *11 450  | 8 910     | *9 390   | 6 360     | *7 640   | 4 780     | *4 670     | 4 240     | 9.68   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.05 m<br>Shoe :<br>700 mm<br>L/Frame:<br>LC<br>Dozer blade down | 1.5 m         |          |           |          |           | *16 770  | 12 860    | *12 270  | 8 440     | *9 760   | 6 100     | *8 050   | 4 650     | *4 910     | 4 140     | 9.72   |
|                                                                                                           | 0 m           |          |           | *5 850   | *5 850    | *16 900  | 12 310    | *12 480  | 8 090     | *9 770   | 5 900     | *7 780   | 4 560     | *5 330     | 4 200     | 9.53   |
|                                                                                                           | -1.5 m        |          |           | *9 870   | *9 870    | *15 680  | 12 110    | *11 870  | 7 910     | *9 210   | 5 790     | *6 830   | 4 530     | *6 040     | 4 480     | 9.08   |
|                                                                                                           | -3 m          |          |           | *15 310  | *15 310   | *13 250  | 12 140    | *10 260  | 7 900     | *7 720   | 5 800     |          |           | *6 020     | 5 060     | 8.34   |
|                                                                                                           | -4.5 m        |          |           |          |           | *9 370   | *9 370    | *7 200   | *7 200    |          |           |          |           |            |           | 7.22   |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities.

2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.

3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.

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

**LIFTING CAPACITY - ECR355EL**

At the arm end without bucket.

For Lifting capacity including bucket. Simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

|                                                                                              | Lifting point | 1.5 m    |           | 3 m      |           | 4.5 m    |           | 6.0 m    |           | 7.5 m    |           | 9.0 m    |           | Max. reach |           |        |
|----------------------------------------------------------------------------------------------|---------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|--------|
|                                                                                              |               | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC   | Across UC | Max. m |
| Boom :<br>6.2 m<br>Arm :<br>2.55 m<br>Shoe :<br>800 mm<br>L/Frame:<br>LC                     | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *9 200     | *9 200    | 4.72   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *8 400   | *8 400    |          |           |          |           | *8 480     | 7 960     | 6.45   |
|                                                                                              | 6 m           |          |           |          |           | *9 680   | *9 680    | *8 680   | *8 680    |          |           |          |           | *8 330     | 6 170     | 7.49   |
|                                                                                              | 4.5 m         |          |           |          |           | *12 070  | *12 070   | *9 700   | 8 560     | *8 590   | 6 060     |          |           | 8 130      | 5 320     | 8.13   |
|                                                                                              | 3 m           |          |           |          |           | *15 010  | 12 430    | *11 020  | 8 160     | 9 080    | 5 880     |          |           | 7 540      | 4 900     | 8.46   |
|                                                                                              | 1.5 m         |          |           |          |           | *16 930  | 11 800    | *12 150  | 7 820     | 8 890    | 5 710     |          |           | 7 370      | 4 760     | 8.51   |
|                                                                                              | 0 m           |          |           |          |           | *17 290  | 11 580    | 12 250   | 7 620     | 8 760    | 5 590     |          |           | 7 590      | 4 880     | 8.29   |
|                                                                                              | -1.5 m        |          |           | *12 210  | *12 210   | *16 610  | 11 580    | 12 180   | 7 560     | 8 740    | 5 570     |          |           | 8 310      | 5 320     | 7.77   |
|                                                                                              | -3 m          |          |           | *19 630  | *19 630   | *14 920  | 11 730    | *11 360  | 7 650     |          |           |          |           | *9 450     | 6 350     | 6.89   |
|                                                                                              | -4.5 m        |          |           |          |           | *11 530  | *11 530   |          |           |          |           |          |           | *9 200     | 9 050     | 5.47   |
| Boom :<br>6.2 m<br>Arm :<br>3.05 m<br>Shoe :<br>800 mm<br>L/Frame:<br>LC                     | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *6 840     | *6 840    | 5.63   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *7 590   | *7 590    |          |           |          |           | *6 090     | *6 090    | 7.13   |
|                                                                                              | 6 m           |          |           |          |           |          |           | *8 000   | *8 000    | *7 690   | 6 260     |          |           | *5 820     | 5 500     | 8.09   |
|                                                                                              | 4.5 m         |          |           | *15 710  | *15 710   | *11 000  | *11 000   | *9 080   | 8 670     | *8 120   | 6 120     |          |           | *5 810     | 4 820     | 8.68   |
|                                                                                              | 3 m           |          |           |          |           | *13 990  | 12 680    | *10 490  | 8 250     | *8 800   | 5 920     |          |           | *5 990     | 4 470     | 8.99   |
|                                                                                              | 1.5 m         |          |           |          |           | *16 330  | 11 930    | *11 770  | 7 870     | 8 910    | 5 720     | 6 780    | 4 380     | *6 390     | 4 350     | 9.04   |
|                                                                                              | 0 m           |          |           |          |           | *17 230  | 11 580    | 12 250   | 7 620     | 8 740    | 5 570     |          |           | 6 910      | 4 440     | 8.83   |
|                                                                                              | -1.5 m        |          |           | *11 230  | *11 230   | *16 950  | 11 510    | 12 140   | 7 510     | 8 680    | 5 510     |          |           | 7 460      | 4 790     | 8.35   |
|                                                                                              | -3 m          |          |           | *18 610  | *18 610   | *15 650  | 11 600    | *11 840  | 7 550     | 8 750    | 5 580     |          |           | 8 700      | 5 550     | 7.53   |
|                                                                                              | -4.5 m        |          |           | *17 330  | *17 330   | *12 940  | 11 880    | *9 460   | 7 770     |          |           |          |           | *8 770     | 7 340     | 6.27   |
| Boom :<br>6.2 m<br>Arm :<br>3.7 m<br>Shoe :<br>800 mm<br>L/Frame:<br>LC                      | 9 m           |          |           |          |           |          |           | *6 600   | *6 600    |          |           |          |           | *5 250     | *5 250    | 6.57   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           |          |           | *6 020   | *6 020    |          |           | *4 760     | *4 760    | 7.89   |
|                                                                                              | 6 m           |          |           |          |           |          |           | *7 070   | *7 070    | *6 920   | 6 360     |          |           | *4 570     | *4 570    | 8.77   |
|                                                                                              | 4.5 m         |          |           |          |           | *9 520   | *9 520    | *8 190   | *8 190    | *7 460   | 6 190     | *6 010   | 4 580     | *4 560     | 4 310     | 9.32   |
|                                                                                              | 3 m           |          |           |          |           | *12 560  | *12 560   | *9 680   | 8 360     | *8 230   | 5 960     | 6 890    | 4 480     | *4 680     | 4 020     | 9.60   |
|                                                                                              | 1.5 m         |          |           |          |           | *15 300  | 12 100    | *11 130  | 7 920     | 8 920    | 5 720     | 6 760    | 4 360     | *4 960     | 3 920     | 9.65   |
|                                                                                              | 0 m           |          |           | *6 600   | *6 600    | *16 810  | 11 580    | *12 160  | 7 600     | 8 710    | 5 540     | 6 660    | 4 260     | *5 440     | 3 970     | 9.45   |
|                                                                                              | -1.5 m        | *6 600   | *6 600    | *10 580  | *10 580   | *17 080  | 11 390    | 12 060   | 7 430     | 8 600    | 5 430     | *6 270   | 4 230     | *6 230     | 4 230     | 9.00   |
|                                                                                              | -3 m          | *11 070  | *11 070   | *15 950  | *15 950   | *16 290  | 11 400    | 12 030   | 7 410     | 8 590    | 5 430     |          |           | 7 510      | 4 790     | 8.26   |
|                                                                                              | -4.5 m        |          |           | *19 850  | *19 850   | *14 290  | 11 600    | *10 690  | 7 540     |          |           |          |           | *8 330     | 5 980     | 7.13   |
|                                                                                              | -6 m          |          |           |          |           | *10 050  | *10 050   |          |           |          |           |          |           |            |           | 5.35   |
| Boom :<br>6.2 m<br>Arm :<br>2.55 m<br>Shoe :<br>800 mm<br>L/Frame:<br>LC<br>Dozer blade down | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *9 200     | *9 200    | 4.72   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *8 400   | *8 400    |          |           |          |           | *8 480     | *8 480    | 6.45   |
|                                                                                              | 6 m           |          |           |          |           | *9 680   | *9 680    | *8 680   | *8 680    |          |           |          |           | *8 330     | 6 670     | 7.49   |
|                                                                                              | 4.5 m         |          |           |          |           | *12 070  | *12 070   | *9 700   | 9 220     | *8 590   | 6 560     |          |           | *8 370     | 5 770     | 8.13   |
|                                                                                              | 3 m           |          |           |          |           | *15 010  | 13 410    | *11 020  | 8 820     | *9 180   | 6 380     |          |           | *8 520     | 5 330     | 8.46   |
|                                                                                              | 1.5 m         |          |           |          |           | *16 930  | 12 780    | *12 150  | 8 480     | *9 750   | 6 200     |          |           | *8 740     | 5 190     | 8.51   |
|                                                                                              | 0 m           |          |           |          |           | *17 290  | 12 560    | *12 710  | 8 280     | *10 040  | 6 090     |          |           | *9 000     | 5 320     | 8.29   |
|                                                                                              | -1.5 m        |          |           | *12 210  | *12 210   | *16 610  | 12 570    | *12 530  | 8 220     | *9 740   | 6 070     |          |           | *9 270     | 5 800     | 7.77   |
|                                                                                              | -3 m          |          |           | *19 630  | *19 630   | *14 920  | 12 720    | *11 360  | 8 310     |          |           |          |           | *9 450     | 6 900     | 6.89   |
|                                                                                              | -4.5 m        |          |           |          |           | *11 530  | *11 530   |          |           |          |           |          |           | *9 200     | *9 200    | 5.47   |
| Boom :<br>6.2 m<br>Arm :<br>3.05 m<br>Shoe :<br>800 mm<br>L/Frame:<br>LC<br>Dozer blade down | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *6 840     | *6 840    | 5.63   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *7 590   | *7 590    |          |           |          |           | *6 090     | *6 090    | 7.13   |
|                                                                                              | 6 m           |          |           |          |           |          |           | *8 000   | *8 000    | *7 690   | 6 760     |          |           | *5 820     | *5 820    | 8.09   |
|                                                                                              | 4.5 m         |          |           | *15 710  | *15 710   | *11 000  | *11 000   | *9 080   | *9 080    | *8 120   | 6 620     |          |           | *5 810     | 5 230     | 8.68   |
|                                                                                              | 3 m           |          |           |          |           | *13 990  | 13 670    | *10 490  | 8 910     | *8 800   | 6 420     |          |           | *5 990     | 4 870     | 8.99   |
|                                                                                              | 1.5 m         |          |           |          |           | *16 330  | 12 920    | *11 770  | 8 530     | *9 480   | 6 220     | *6 780   | 4 780     | *6 390     | 4 750     | 9.04   |
|                                                                                              | 0 m           |          |           |          |           | *17 230  | 12 570    | *12 540  | 8 280     | *9 920   | 6 070     |          |           | *7 090     | 4 850     | 8.83   |
|                                                                                              | -1.5 m        |          |           | *11 230  | *11 230   | *16 950  | 12 490    | *12 620  | 8 170     | *9 890   | 6 010     |          |           | *8 300     | 5 220     | 8.35   |
|                                                                                              | -3 m          |          |           | *18 610  | *18 610   | *15 650  | 12 590    | *11 840  | 8 210     | *8 890   | 6 080     |          |           | *8 820     | 6 050     | 7.53   |
|                                                                                              | -4.5 m        |          |           | *17 330  | *17 330   | *12 940  | 12 870    | *9 460   | 8 430     |          |           |          |           | *8 770     | 7 960     | 6.27   |
| Boom :<br>6.2 m<br>Arm :<br>3.7 m<br>Shoe :<br>800 mm<br>L/Frame:<br>LC<br>Dozer blade down  | 9 m           |          |           |          |           |          |           | *6 600   | *6 600    |          |           |          |           | *5 250     | *5 250    | 6.57   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           |          |           | *6 020   | *6 020    |          |           | *4 760     | *4 760    | 7.89   |
|                                                                                              | 6 m           |          |           |          |           |          |           | *7 070   | *7 070    | *6 920   | 6 850     |          |           | *4 570     | *4 570    | 8.77   |
|                                                                                              | 4.5 m         |          |           |          |           | *9 520   | *9 520    | *8 190   | *8 190    | *7 460   | 6 680     | *6 010   | 4 980     | *4 560     | *4 560    | 9.32   |
|                                                                                              | 3 m           |          |           |          |           | *12 560  | *12 560   | *9 680   | 9 020     | *8 230   | 6 450     | *7 410   | 4 880     | *4 680     | 4 390     | 9.60   |
|                                                                                              | 1.5 m         |          |           |          |           | *15 300  | 13 080    | *11 130  | 8 580     | *9 040   | 6 220     | *7 820   | 4 760     | *4 960     | 4 280     | 9.65   |
|                                                                                              | 0 m           |          |           | *6 600   | *6 600    | *16 810  | 12 570    | *12 160  | 8 260     | *9 650   | 6 030     | *8 080   | 4 660     | *5 440     | 4 350     | 9.45   |
|                                                                                              | -1.5 m        | *6 600   | *6 600    | *10 580  | *10 580   | *17 080  | 12 370    | *12 560  | 8 090     | *9 870   | 5 930     | *6 270   | 4 630     | *6 230     | 4 630     | 9.00   |
|                                                                                              | -3 m          | *11 070  | *11 070   | *15 950  | *15 950   | *16 290  | 12 390    | *12 180  | 8 070     | *9 440   | 5 930     |          |           | *7 630     | 5 230     | 8.26   |
|                                                                                              | -4.5 m        |          |           | *19 850  | *19 850   | *14 290  | 12 590    | *10 690  | 8 200     |          |           |          |           | *8 330     | 6 510     | 7.13   |
|                                                                                              | -6 m          |          |           |          |           | *10 050  | *10 050   |          |           |          |           |          |           |            |           | 5.35   |

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 - ECR355EL

At the arm end without bucket.

For Lifting capacity including bucket. Simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

|                                                                                                           | Lifting point | 1.5 m    |           | 3 m      |           | 4.5 m    |           | 6.0 m    |           | 7.5 m    |           | 9.0 m    |           | Max. reach |           |        |
|-----------------------------------------------------------------------------------------------------------|---------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|--------|
|                                                                                                           |               | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC   | Across UC | Max. m |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>2.55 m<br>Shoe :<br>800 mm<br>L/Frame:<br>LC                     | 9 m           |          |           |          |           | *11 360  | *11 360   |          |           |          |           |          |           | *10 220    | *10 220   | 4.83   |
|                                                                                                           | 7.5 m         |          |           |          |           | *11 520  | *11 520   | *10 600  | 9 030     |          |           |          |           | *8 910     | 7 790     | 6.53   |
|                                                                                                           | 6 m           |          |           |          |           | *12 660  | *12 660   | *10 800  | 8 900     | *9 000   | 6 140     |          |           | *8 480     | 6 040     | 7.56   |
|                                                                                                           | 4.5 m         |          |           |          |           | *14 860  | 13 400    | *11 530  | 8 550     | 9 310    | 6 030     |          |           | 8 040      | 5 210     | 8.20   |
|                                                                                                           | 3 m           |          |           |          |           | *16 730  | 12 360    | *12 310  | 8 120     | 9 090    | 5 840     |          |           | 7 450      | 4 790     | 8.52   |
|                                                                                                           | 1.5 m         |          |           |          |           | *16 290  | 11 680    | 12 480   | 7 750     | 8 890    | 5 650     |          |           | 7 290      | 4 660     | 8.57   |
|                                                                                                           | 0 m           |          |           |          |           | *15 950  | 11 460    | 12 240   | 7 530     | 8 750    | 5 530     |          |           | 7 510      | 4 780     | 8.35   |
|                                                                                                           | -1.5 m        |          |           | *11 220  | *11 220   | *13 720  | 11 470    | *10 910  | 7 480     | *8 200   | 5 520     |          |           | *7 450     | 5 210     | 7.84   |
|                                                                                                           | -3 m          |          |           |          |           | *10 340  | *10 340   | *8 270   | 7 590     |          |           |          |           | *6 280     | 6 220     | 6.97   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.05 m<br>Shoe :<br>800 mm<br>L/Frame:<br>LC                     | 9 m           |          |           |          |           |          |           | *8 890   | *8 890    |          |           |          |           | *7 020     | *7 020    | 5.73   |
|                                                                                                           | 7.5 m         |          |           |          |           |          |           |          |           |          |           |          |           | *6 190     | *6 190    | 7.21   |
|                                                                                                           | 6 m           |          |           |          |           | *9 240   | *9 240    | *9 680   | 9 040     | *8 520   | 6 250     |          |           | *5 880     | 5 380     | 8.16   |
|                                                                                                           | 4.5 m         |          |           | *20 630  | *20 630   | *14 040  | 13 710    | *11 080  | 8 680     | *9 370   | 6 110     |          |           | *5 820     | 4 720     | 8.75   |
|                                                                                                           | 3 m           |          |           |          |           | *16 140  | 12 650    | *12 000  | 8 220     | 9 150    | 5 890     | *6 470   | 4 420     | *5 970     | 4 380     | 9.05   |
|                                                                                                           | 1.5 m         |          |           |          |           | *17 160  | 11 830    | 12 550   | 7 810     | 8 910    | 5 670     | 6 770    | 4 330     | *6 310     | 4 260     | 9.10   |
|                                                                                                           | 0 m           |          |           |          |           | *16 570  | 11 460    | 12 250   | 7 540     | 8 740    | 5 510     |          |           | 6 830      | 4 350     | 8.89   |
|                                                                                                           | -1.5 m        |          |           | *10 430  | *10 430   | *14 740  | 11 390    | *11 430  | 7 430     | 8 670    | 5 450     |          |           | *7 050     | 4 690     | 8.41   |
|                                                                                                           | -3 m          |          |           |          |           | *11 750  | 11 510    | *9 290   | 7 480     | *6 440   | 5 540     |          |           | *6 140     | 5 440     | 7.61   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.7 m<br>Shoe :<br>800 mm<br>L/Frame:<br>LC                      | 10.5 m        |          |           |          |           | *6 920   | *6 920    |          |           |          |           |          |           | *6 780     | *6 780    | 4.55   |
|                                                                                                           | 9 m           |          |           |          |           |          |           | *6 900   | *6 900    |          |           |          |           | *5 380     | *5 380    | 6.67   |
|                                                                                                           | 7.5 m         |          |           |          |           |          |           | *7 210   | *7 210    | *6 330   | *6 330    |          |           | *4 850     | *4 850    | 7.98   |
|                                                                                                           | 6 m           |          |           |          |           |          |           | *7 530   | *7 530    | *7 390   | 6 370     |          |           | *4 620     | *4 620    | 8.85   |
|                                                                                                           | 4.5 m         |          |           | *9 140   | *9 140    | *9 290   | *9 290    | *9 120   | 8 840     | *8 510   | 6 180     | *6 330   | 4 550     | *4 570     | 4 210     | 9.39   |
|                                                                                                           | 3 m           |          |           |          |           | *15 150  | 13 000    | *11 450  | 8 350     | 9 210    | 5 930     | 6 900    | 4 440     | *4 670     | 3 930     | 9.68   |
|                                                                                                           | 1.5 m         |          |           |          |           | *16 770  | 12 020    | *12 270  | 7 870     | 8 930    | 5 680     | 6 760    | 4 310     | *4 910     | 3 830     | 9.72   |
|                                                                                                           | 0 m           |          |           | *5 850   | *5 850    | *16 900  | 11 460    | 12 250   | 7 530     | 8 710    | 5 480     | 6 660    | 4 210     | *5 330     | 3 890     | 9.53   |
|                                                                                                           | -1.5 m        |          |           | *9 870   | *9 870    | *15 680  | 11 260    | *11 870  | 7 350     | 8 590    | 5 370     | 6 620    | 4 190     | *6 040     | 4 140     | 9.08   |
|                                                                                                           | -3 m          |          |           | *15 310  | *15 310   | *13 250  | 11 300    | *10 260  | 7 330     | *7 720   | 5 380     |          |           | *6 020     | 4 690     | 8.34   |
|                                                                                                           | -4.5 m        |          |           |          |           | *9 370   | *9 370    | *7 200   | *7 200    |          |           |          |           |            |           | 7.22   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>2.55 m<br>Shoe :<br>800 mm<br>L/Frame:<br>LC<br>Dozer blade down | 9 m           |          |           |          |           | *11 360  | *11 360   |          |           |          |           |          |           | *10 220    | *10 220   | 4.83   |
|                                                                                                           | 7.5 m         |          |           |          |           | *11 520  | *11 520   | *10 600  | 9 690     |          |           |          |           | *8 910     | 8 380     | 6.53   |
|                                                                                                           | 6 m           |          |           |          |           | *12 660  | *12 660   | *10 800  | 9 560     | *9 000   | 6 630     |          |           | *8 480     | 6 540     | 7.56   |
|                                                                                                           | 4.5 m         |          |           |          |           | *14 860  | 14 390    | *11 530  | 9 210     | *9 670   | 6 530     |          |           | *8 480     | 5 650     | 8.20   |
|                                                                                                           | 3 m           |          |           |          |           | *16 730  | 13 350    | *12 310  | 8 780     | *9 920   | 6 340     |          |           | *8 720     | 5 220     | 8.52   |
|                                                                                                           | 1.5 m         |          |           |          |           | *16 290  | 12 670    | *12 680  | 8 410     | *9 970   | 6 150     |          |           | *8 430     | 5 080     | 8.57   |
|                                                                                                           | 0 m           |          |           |          |           | *15 950  | 12 440    | *12 270  | 8 190     | *9 530   | 6 030     |          |           | *8 060     | 5 210     | 8.35   |
|                                                                                                           | -1.5 m        |          |           | *11 220  | *11 220   | *13 720  | 12 460    | *10 910  | 8 140     | *8 200   | 6 010     |          |           | *7 450     | 5 680     | 7.84   |
|                                                                                                           | -3 m          |          |           |          |           | *10 340  | *10 340   | *8 270   | 8 250     |          |           |          |           | *6 280     | *6 280    | 6.97   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.05 m<br>Shoe :<br>800 mm<br>L/Frame:<br>LC<br>Dozer blade down | 9 m           |          |           |          |           |          |           | *8 890   | *8 890    |          |           |          |           | *6 190     | *6 190    | 7.21   |
|                                                                                                           | 7.5 m         |          |           |          |           |          |           | *9 680   | *9 680    | *8 520   | 6 750     |          |           | *5 880     | 5 830     | 8.16   |
|                                                                                                           | 6 m           |          |           |          |           | *9 240   | *9 240    | *9 680   | 9 340     | *9 370   | 6 600     |          |           | *5 820     | 5 130     | 8.75   |
|                                                                                                           | 4.5 m         |          |           | *20 630  | *20 630   | *14 040  | *14 040   | *11 080  | 9 340     | *9 370   | 6 600     |          |           | *5 820     | 5 130     | 8.75   |
|                                                                                                           | 3 m           |          |           |          |           | *16 140  | 13 630    | *12 000  | 8 880     | *9 740   | 6 380     | *6 470   | 4 820     | *5 970     | 4 770     | 9.05   |
|                                                                                                           | 1.5 m         |          |           |          |           | *17 160  | 12 810    | *12 570  | 8 470     | *9 940   | 6 170     | *7 370   | 4 730     | *6 310     | 4 650     | 9.10   |
|                                                                                                           | 0 m           |          |           |          |           | *16 570  | 12 440    | *12 450  | 8 200     | *9 710   | 6 010     |          |           | *6 930     | 4 750     | 8.89   |
|                                                                                                           | -1.5 m        |          |           | *10 430  | *10 430   | *14 740  | 12 380    | *11 430  | 8 090     | *8 780   | 5 950     |          |           | *7 050     | 5 120     | 8.41   |
|                                                                                                           | -3 m          |          |           |          |           | *11 750  | *11 750   | *9 290   | 8 140     | *6 440   | 6 040     |          |           | *6 140     | 5 930     | 7.61   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.7 m<br>Shoe :<br>800 mm<br>L/Frame:<br>LC<br>Dozer blade down  | 10.5 m        |          |           |          |           | *6 920   | *6 920    |          |           |          |           |          |           | *6 780     | *6 780    | 4.55   |
|                                                                                                           | 9 m           |          |           |          |           |          |           | *6 900   | *6 900    |          |           |          |           | *5 380     | *5 380    | 6.67   |
|                                                                                                           | 7.5 m         |          |           |          |           |          |           | *7 210   | *7 210    | *6 330   | *6 330    |          |           | *4 850     | *4 850    | 7.98   |
|                                                                                                           | 6 m           |          |           |          |           |          |           | *7 530   | *7 530    | *7 390   | 6 860     |          |           | *4 620     | *4 620    | 8.85   |
|                                                                                                           | 4.5 m         |          |           | *9 140   | *9 140    | *9 290   | *9 290    | *9 120   | *9 120    | *8 510   | 6 680     | *6 330   | 4 950     | *4 570     | *4 570    | 9.39   |
|                                                                                                           | 3 m           |          |           |          |           | *15 150  | 13 980    | *11 450  | 9 010     | *9 390   | 6 430     | *7 640   | 4 840     | *4 670     | 4 290     | 9.68   |
|                                                                                                           | 1.5 m         |          |           |          |           | *16 770  | 13 010    | *12 270  | 8 530     | *9 760   | 6 180     | *8 050   | 4 710     | *4 910     | 4 190     | 9.72   |
|                                                                                                           | 0 m           |          |           | *5 850   | *5 850    | *16 900  | 12 450    | *12 480  | 8 190     | *9 770   | 5 980     | *7 780   | 4 610     | *5 330     | 4 260     | 9.53   |
|                                                                                                           | -1.5 m        |          |           | *9 870   | *9 870    | *15 680  | 12 250    | *11 870  | 8 010     | *9 210   | 5 870     | *6 830   | 4 580     | *6 040     | 4 530     | 9.08   |
|                                                                                                           | -3 m          |          |           | *15 310  | *15 310   | *13 250  | 12 280    | *10 260  | 7 990     | *7 720   | 5 870     |          |           | *6 020     | 5 120     | 8.34   |
|                                                                                                           | -4.5 m        |          |           |          |           | *9 370   | *9 370    | *7 200   | *7 200    |          |           |          |           |            |           | 7.22   |

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

**LIFTING CAPACITY - ECR355EL**

At the arm end without bucket.

For Lifting capacity including bucket. Simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

|                                                                                              | Lifting point | 1.5 m    |           | 3 m      |           | 4.5 m    |           | 6.0 m    |           | 7.5 m    |           | 9.0 m    |           | Max. reach |           |        |
|----------------------------------------------------------------------------------------------|---------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|--------|
|                                                                                              |               | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC   | Across UC | Max. m |
| Boom :<br>6.2 m<br>Arm :<br>2.55 m<br>Shoe :<br>850 mm<br>L/Frame:<br>LC                     | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *9 200     | *9 200    | 4.72   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *8 400   | *8 400    |          |           |          |           | *8 480     | 8 000     | 6.45   |
|                                                                                              | 6 m           |          |           |          |           | *9 680   | *9 680    | *8 680   | *8 680    |          |           |          |           | *8 330     | 6 200     | 7.49   |
|                                                                                              | 4.5 m         |          |           |          |           | *12 070  | *12 070   | *9 700   | 8 600     | *8 590   | 6 100     |          |           | 8 180      | 5 350     | 8.13   |
|                                                                                              | 3 m           |          |           |          |           | *15 010  | 12 500    | *11 020  | 8 200     | 9 130    | 5 920     |          |           | 7 580      | 4 930     | 8.46   |
|                                                                                              | 1.5 m         |          |           |          |           | *16 930  | 11 860    | *12 150  | 7 860     | 8 940    | 5 740     |          |           | 7 410      | 4 790     | 8.51   |
|                                                                                              | 0 m           |          |           |          |           | *17 290  | 11 640    | 12 320   | 7 660     | 8 810    | 5 630     |          |           | 7 630      | 4 910     | 8.29   |
|                                                                                              | -1.5 m        |          |           | *12 210  | *12 210   | *16 610  | 11 650    | 12 250   | 7 600     | 8 790    | 5 600     |          |           | 8 360      | 5 350     | 7.77   |
|                                                                                              | -3 m          |          |           | *19 630  | *19 630   | *14 920  | 11 800    | *11 360  | 7 690     |          |           |          |           | *9 450     | 6 380     | 6.89   |
|                                                                                              | -4.5 m        |          |           |          |           | *11 530  | *11 530   |          |           |          |           |          |           | *9 200     | 9 100     | 5.47   |
| Boom :<br>6.2 m<br>Arm :<br>3.05 m<br>Shoe :<br>850 mm<br>L/Frame:<br>LC                     | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *6 840     | *6 840    | 5.63   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *7 590   | *7 590    |          |           |          |           | *6 090     | *6 090    | 7.13   |
|                                                                                              | 6 m           |          |           |          |           |          |           | *8 000   | *8 000    | *7 690   | 6 290     |          |           | *5 820     | 5 530     | 8.09   |
|                                                                                              | 4.5 m         |          |           | *15 710  | *15 710   | *11 000  | *11 000   | *9 080   | 8 710     | *8 120   | 6 160     |          |           | *5 810     | 4 850     | 8.68   |
|                                                                                              | 3 m           |          |           |          |           | *13 990  | 12 750    | *10 490  | 8 290     | *8 800   | 5 960     |          |           | *5 990     | 4 500     | 8.99   |
|                                                                                              | 1.5 m         |          |           |          |           | *16 330  | 12 000    | *11 770  | 7 910     | 8 960    | 5 760     | *6 780   | 4 410     | *6 390     | 4 380     | 9.04   |
|                                                                                              | 0 m           |          |           |          |           | *17 230  | 11 650    | 12 330   | 7 660     | 8 800    | 5 610     |          |           | 6 950      | 4 470     | 8.83   |
|                                                                                              | -1.5 m        |          |           | *11 230  | *11 230   | *16 950  | 11 570    | 12 210   | 7 560     | 8 730    | 5 550     |          |           | 7 510      | 4 820     | 8.35   |
|                                                                                              | -3 m          |          |           | *18 610  | *18 610   | *15 650  | 11 670    | *11 840  | 7 590     | 8 800    | 5 620     |          |           | 8 750      | 5 580     | 7.53   |
|                                                                                              | -4.5 m        |          |           | *17 330  | *17 330   | *12 940  | 11 950    | *9 460   | 7 820     |          |           |          |           | *8 770     | 7 380     | 6.27   |
| Boom :<br>6.2 m<br>Arm :<br>3.7 m<br>Shoe :<br>850 mm<br>L/Frame:<br>LC                      | 9 m           |          |           |          |           |          |           | *6 600   | *6 600    |          |           |          |           | *5 250     | *5 250    | 6.57   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           |          |           | *6 020   | *6 020    |          |           | *4 760     | *4 760    | 7.89   |
|                                                                                              | 6 m           |          |           |          |           |          |           | *7 070   | *7 070    | *6 920   | 6 390     |          |           | *4 570     | *4 570    | 8.77   |
|                                                                                              | 4.5 m         |          |           |          |           | *9 520   | *9 520    | *8 190   | *8 190    | *7 460   | 6 220     | *6 010   | 4 610     | *4 560     | 4 330     | 9.32   |
|                                                                                              | 3 m           |          |           |          |           | *12 560  | *12 560   | *9 680   | 8 400     | *8 230   | 5 990     | 6 930    | 4 510     | *4 680     | 4 050     | 9.60   |
|                                                                                              | 1.5 m         |          |           |          |           | *15 300  | 12 160    | *11 130  | 7 960     | 8 970    | 5 760     | 6 800    | 4 390     | *4 960     | 3 940     | 9.65   |
|                                                                                              | 0 m           |          |           | *6 600   | *6 600    | *16 810  | 11 650    | *12 160  | 7 650     | 8 760    | 5 570     | 6 700    | 4 290     | *5 440     | 4 000     | 9.45   |
|                                                                                              | -1.5 m        | *6 600   | *6 600    | *10 580  | *10 580   | *17 080  | 11 450    | 12 130   | 7 480     | 8 650    | 5 460     | *6 270   | 4 260     | *6 230     | 4 260     | 9.00   |
|                                                                                              | -3 m          | *11 070  | *11 070   | *15 950  | *15 950   | *16 290  | 11 470    | 12 100   | 7 450     | 8 650    | 5 460     |          |           | 7 560      | 4 820     | 8.26   |
|                                                                                              | -4.5 m        |          |           | *19 850  | *19 850   | *14 290  | 11 670    | *10 690  | 7 580     |          |           |          |           | *8 330     | 6 010     | 7.13   |
|                                                                                              | -6 m          |          |           |          |           | *10 050  | *10 050   |          |           |          |           |          |           |            |           | 5.35   |
| Boom :<br>6.2 m<br>Arm :<br>2.55 m<br>Shoe :<br>850 mm<br>L/Frame:<br>LC<br>Dozer blade down | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *9 200     | *9 200    | 4.72   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *8 400   | *8 400    |          |           |          |           | *8 480     | *8 480    | 6.45   |
|                                                                                              | 6 m           |          |           |          |           | *9 680   | *9 680    | *8 680   | *8 680    |          |           |          |           | *8 330     | 6 700     | 7.49   |
|                                                                                              | 4.5 m         |          |           |          |           | *12 070  | *12 070   | *9 700   | 9 260     | *8 590   | 6 590     |          |           | *8 370     | 5 800     | 8.13   |
|                                                                                              | 3 m           |          |           |          |           | *15 010  | 13 480    | *11 020  | 8 860     | *9 180   | 6 410     |          |           | *8 520     | 5 360     | 8.46   |
|                                                                                              | 1.5 m         |          |           |          |           | *16 930  | 12 850    | *12 150  | 8 520     | *9 750   | 6 240     |          |           | *8 740     | 5 220     | 8.51   |
|                                                                                              | 0 m           |          |           |          |           | *17 290  | 12 630    | *12 710  | 8 320     | *10 040  | 6 120     |          |           | *9 000     | 5 350     | 8.29   |
|                                                                                              | -1.5 m        |          |           | *12 210  | *12 210   | *16 610  | 12 630    | *12 530  | 8 260     | *9 740   | 6 100     |          |           | *9 270     | 5 830     | 7.77   |
|                                                                                              | -3 m          |          |           | *19 630  | *19 630   | *14 920  | 12 780    | *11 360  | 8 350     |          |           |          |           | *9 450     | 6 940     | 6.89   |
|                                                                                              | -4.5 m        |          |           |          |           | *11 530  | *11 530   |          |           |          |           |          |           | *9 200     | *9 200    | 5.47   |
| Boom :<br>6.2 m<br>Arm :<br>3.05 m<br>Shoe :<br>850 mm<br>L/Frame:<br>LC<br>Dozer blade down | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *6 840     | *6 840    | 5.63   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           | *7 590   | *7 590    |          |           |          |           | *6 090     | *6 090    | 7.13   |
|                                                                                              | 6 m           |          |           |          |           |          |           | *8 000   | *8 000    | *7 690   | 6 790     |          |           | *5 820     | *5 820    | 8.09   |
|                                                                                              | 4.5 m         |          |           | *15 710  | *15 710   | *11 000  | *11 000   | *9 080   | *9 080    | *8 120   | 6 650     |          |           | *5 810     | 5 260     | 8.68   |
|                                                                                              | 3 m           |          |           |          |           | *13 990  | 13 730    | *10 490  | 8 950     | *8 800   | 6 450     |          |           | *5 990     | 4 900     | 8.99   |
|                                                                                              | 1.5 m         |          |           |          |           | *16 330  | 12 980    | *11 770  | 8 570     | *9 480   | 6 250     | *6 780   | 4 810     | *6 390     | 4 780     | 9.04   |
|                                                                                              | 0 m           |          |           |          |           | *17 230  | 12 630    | *12 540  | 8 320     | *9 920   | 6 100     |          |           | *7 090     | 4 880     | 8.83   |
|                                                                                              | -1.5 m        |          |           | *11 230  | *11 230   | *16 950  | 12 560    | *12 620  | 8 220     | *9 890   | 6 040     |          |           | *8 300     | 5 250     | 8.35   |
|                                                                                              | -3 m          |          |           | *18 610  | *18 610   | *15 650  | 12 660    | *11 840  | 8 250     | *8 890   | 6 110     |          |           | *8 820     | 6 080     | 7.53   |
|                                                                                              | -4.5 m        |          |           | *17 330  | *17 330   | *12 940  | 12 930    | *9 460   | 8 480     |          |           |          |           | *8 770     | 8 000     | 6.27   |
| Boom :<br>6.2 m<br>Arm :<br>3.7 m<br>Shoe :<br>850 mm<br>L/Frame:<br>LC<br>Dozer blade down  | 9 m           |          |           |          |           |          |           | *6 600   | *6 600    |          |           |          |           | *5 250     | *5 250    | 6.57   |
|                                                                                              | 7.5 m         |          |           |          |           |          |           |          |           | *6 020   | *6 020    |          |           | *4 760     | *4 760    | 7.89   |
|                                                                                              | 6 m           |          |           |          |           |          |           | *7 070   | *7 070    | *6 920   | 6 890     |          |           | *4 570     | *4 570    | 8.77   |
|                                                                                              | 4.5 m         |          |           |          |           | *9 520   | *9 520    | *8 190   | *8 190    | *7 460   | 6 720     | *6 010   | 5 010     | *4 560     | *4 560    | 9.32   |
|                                                                                              | 3 m           |          |           |          |           | *12 560  | *12 560   | *9 680   | 9 060     | *8 230   | 6 490     | *7 410   | 4 900     | *4 680     | 4 410     | 9.60   |
|                                                                                              | 1.5 m         |          |           |          |           | *15 300  | 13 150    | *11 130  | 8 630     | *9 040   | 6 250     | *7 820   | 4 780     | *4 960     | 4 310     | 9.65   |
|                                                                                              | 0 m           |          |           | *6 600   | *6 600    | *16 810  | 12 630    | *12 160  | 8 310     | *9 650   | 6 070     | *8 080   | 4 690     | *5 440     | 4 370     | 9.45   |
|                                                                                              | -1.5 m        | *6 600   | *6 600    | *10 580  | *10 580   | *17 080  | 12 440    | *12 560  | 8 140     | *9 870   | 5 960     | *6 270   | 4 660     | *6 230     | 4 650     | 9.00   |
|                                                                                              | -3 m          | *11 070  | *11 070   | *15 950  | *15 950   | *16 290  | 12 460    | *12 180  | 8 110     | *9 440   | 5 960     |          |           | *7 630     | 5 260     | 8.26   |
|                                                                                              | -4.5 m        |          |           | *19 850  | *19 850   | *14 290  | 12 650    | *10 690  | 8 240     |          |           |          |           | *8 330     | 6 540     | 7.13   |
|                                                                                              | -6 m          |          |           |          |           | *10 050  | *10 050   |          |           |          |           |          |           |            |           | 5.35   |

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 - ECR355EL

At the arm end without bucket.

For Lifting capacity including bucket. Simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

|                                                                                                                         | Lifting point | 1.5 m    |           | 3 m      |           | 4.5 m    |           | 6.0 m    |           | 7.5 m    |           | 9.0 m    |           | Max. reach |           |        |
|-------------------------------------------------------------------------------------------------------------------------|---------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|--------|
|                                                                                                                         |               | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC   | Across UC | Max. m |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>2.55 m<br>Shoe :<br>850 mm<br>L/Frame:<br>LC                                   | 9 m           |          |           |          |           | *11 360  | *11 360   |          |           |          |           |          |           | *10 220    | *10 220   | 4.83   |
|                                                                                                                         | 7.5 m         |          |           |          |           | *11 520  | *11 520   | *10 600  | 9 070     |          |           |          |           | *8 910     | 7 830     | 6.53   |
|                                                                                                                         | 6 m           |          |           |          |           | *12 660  | *12 660   | *10 800  | 8 950     | *9 000   | 6 170     |          |           | *8 480     | 6 080     | 7.56   |
|                                                                                                                         | 4.5 m         |          |           |          |           | *14 860  | 13 470    | *11 530  | 8 590     | 9 360    | 6 070     |          |           | 8 090      | 5 240     | 8.20   |
|                                                                                                                         | 3 m           |          |           |          |           | *16 730  | 12 430    | *12 310  | 8 160     | 9 140    | 5 870     |          |           | 7 490      | 4 820     | 8.52   |
|                                                                                                                         | 1.5 m         |          |           |          |           | *16 290  | 11 750    | 12 550   | 7 790     | 8 940    | 5 690     |          |           | 7 330      | 4 690     | 8.57   |
|                                                                                                                         | 0 m           |          |           |          |           | *15 950  | 11 520    | *12 270  | 7 580     | 8 800    | 5 560     |          |           | 7 550      | 4 810     | 8.35   |
|                                                                                                                         | -1.5 m        |          |           | *11 220  | *11 220   | *13 720  | 11 540    | *10 910  | 7 530     | *8 200   | 5 550     |          |           | *7 450     | 5 250     | 7.84   |
|                                                                                                                         | -3 m          |          |           |          |           | *10 340  | *10 340   | *8 270   | 7 630     |          |           |          |           | *6 280     | 6 260     | 6.97   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.05 m<br>Shoe :<br>850 mm<br>L/Frame:<br>LC                                   | 9 m           |          |           |          |           |          |           | *8 890   | *8 890    |          |           |          |           | *7 020     | *7 020    | 5.73   |
|                                                                                                                         | 7.5 m         |          |           |          |           |          |           |          |           |          |           |          |           | *6 190     | *6 190    | 7.21   |
|                                                                                                                         | 6 m           |          |           |          |           | *9 240   | *9 240    | *9 680   | 9 090     | *8 520   | 6 290     |          |           | *5 880     | 5 410     | 8.16   |
|                                                                                                                         | 4.5 m         |          |           | *20 630  | *20 630   | *14 040  | 13 770    | *11 080  | 8 720     | *9 370   | 6 140     |          |           | *5 820     | 4 750     | 8.75   |
|                                                                                                                         | 3 m           |          |           |          |           | *16 140  | 12 710    | *12 000  | 8 260     | 9 200    | 5 920     | *6 470   | 4 450     | *5 970     | 4 400     | 9.05   |
|                                                                                                                         | 1.5 m         |          |           |          |           | *17 160  | 11 890    | *12 570  | 7 850     | 8 960    | 5 700     | 6 820    | 4 360     | *6 310     | 4 290     | 9.10   |
|                                                                                                                         | 0 m           |          |           |          |           | *16 570  | 11 530    | 12 320   | 7 580     | 8 790    | 5 550     |          |           | 6 870      | 4 380     | 8.89   |
|                                                                                                                         | -1.5 m        |          |           | *10 430  | *10 430   | *14 740  | 11 460    | *11 430  | 7 480     | 8 730    | 5 490     |          |           | *7 050     | 4 720     | 8.41   |
|                                                                                                                         | -3 m          |          |           |          |           | *11 750  | 11 580    | *9 290   | 7 530     | *6 440   | 5 570     |          |           | *6 140     | 5 480     | 7.61   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.7 m<br>Shoe :<br>850 mm<br>L/Frame:<br>LC                                    | 10.5 m        |          |           |          |           | *6 920   | *6 920    |          |           |          |           |          |           | *6 780     | *6 780    | 4.55   |
|                                                                                                                         | 9 m           |          |           |          |           |          |           | *6 900   | *6 900    |          |           |          |           | *5 380     | *5 380    | 6.67   |
|                                                                                                                         | 7.5 m         |          |           |          |           |          |           | *7 210   | *7 210    | *6 330   | *6 330    |          |           | *4 850     | *4 850    | 7.98   |
|                                                                                                                         | 6 m           |          |           |          |           |          |           | *7 530   | *7 530    | *7 390   | 6 400     |          |           | *4 620     | *4 620    | 8.85   |
|                                                                                                                         | 4.5 m         |          |           | *9 140   | *9 140    | *9 290   | *9 290    | *9 120   | 8 890     | *8 510   | 6 220     | *6 330   | 4 580     | *4 570     | 4 240     | 9.39   |
|                                                                                                                         | 3 m           |          |           |          |           | *15 150  | 13 070    | *11 450  | 8 390     | 9 260    | 5 970     | 6 940    | 4 470     | *4 670     | 3 950     | 9.68   |
|                                                                                                                         | 1.5 m         |          |           |          |           | *16 770  | 12 090    | *12 270  | 7 910     | 8 980    | 5 710     | 6 800    | 4 340     | *4 910     | 3 850     | 9.72   |
|                                                                                                                         | 0 m           |          |           | *5 850   | *5 850    | *16 900  | 11 530    | 12 320   | 7 570     | 8 760    | 5 510     | 6 700    | 4 240     | *5 330     | 3 910     | 9.53   |
|                                                                                                                         | -1.5 m        |          |           | *9 870   | *9 870    | *15 680  | 11 330    | *11 870  | 7 390     | 8 640    | 5 400     | 6 660    | 4 210     | *6 040     | 4 160     | 9.08   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>2.55 m<br>Shoe :<br>850 mm<br>L/Frame:<br>LC<br>Dozer blade down               | -3 m          |          |           | *15 310  | *15 310   | *13 250  | 11 370    | *10 260  | 7 380     | *7 720   | 5 410     |          |           | *6 020     | 4 720     | 8.34   |
|                                                                                                                         | -4.5 m        |          |           |          |           | *9 370   | *9 370    | *7 200   | *7 200    |          |           |          |           |            |           | 7.22   |
|                                                                                                                         | 9 m           |          |           |          |           | *11 360  | *11 360   |          |           |          |           |          |           | *10 220    | *10 220   | 4.83   |
|                                                                                                                         | 7.5 m         |          |           |          |           | *11 520  | *11 520   | *10 600  | 9 730     |          |           |          |           | *8 910     | 8 420     | 6.53   |
|                                                                                                                         | 6 m           |          |           |          |           | *12 660  | *12 660   | *10 800  | 9 610     | *9 000   | 6 670     |          |           | *8 480     | 6 570     | 7.56   |
|                                                                                                                         | 4.5 m         |          |           |          |           | *14 860  | 14 450    | *11 530  | 9 250     | *9 670   | 6 560     |          |           | *8 480     | 5 680     | 8.20   |
|                                                                                                                         | 3 m           |          |           |          |           | *16 730  | 13 420    | *12 310  | 8 820     | *9 920   | 6 370     |          |           | *8 720     | 5 250     | 8.52   |
|                                                                                                                         | 1.5 m         |          |           |          |           | *16 290  | 12 730    | *12 680  | 8 450     | *9 970   | 6 180     |          |           | *8 430     | 5 110     | 8.57   |
|                                                                                                                         | 0 m           |          |           |          |           | *15 950  | 12 510    | *12 270  | 8 240     | *9 530   | 6 060     |          |           | *8 060     | 5 240     | 8.35   |
| Boom :<br>6.2 m 20'4" 2-piece boom<br>Arm :<br>3.05 m, 10'<br>Shoe :<br>850 mm, 2'8" L/Frame:<br>LC<br>Dozer blade down | -1.5 m        |          |           | *11 220  | *11 220   | *13 720  | 12 530    | *10 910  | 8 190     | *8 200   | 6 050     |          |           | *7 450     | 5 720     | 7.84   |
|                                                                                                                         | -3 m          |          |           |          |           | *10 340  | *10 340   | *8 270   | *8 270    |          |           |          |           | *6 280     | *6 280    | 6.97   |
|                                                                                                                         | 9 m           |          |           |          |           |          |           | *8 890   | *8 890    |          |           |          |           | *7 020     | *7 020    | 5.73   |
|                                                                                                                         | 7.5 m         |          |           |          |           |          |           |          |           |          |           |          |           | *6 190     | *6 190    | 7.21   |
|                                                                                                                         | 6 m           |          |           |          |           | *9 240   | *9 240    | *9 680   | *9 680    | *8 520   | 6 780     |          |           | *5 880     | 5 860     | 8.16   |
|                                                                                                                         | 4.5 m         |          |           | *20 630  | *20 630   | *14 040  | *14 040   | *11 080  | 9 380     | *9 370   | 6 640     |          |           | *5 820     | 5 160     | 8.75   |
|                                                                                                                         | 3 m           |          |           |          |           | *16 140  | 13 700    | *12 000  | 8 920     | *9 740   | 6 420     | *6 470   | 4 840     | *5 970     | 4 800     | 9.05   |
|                                                                                                                         | 1.5 m         |          |           |          |           | *17 160  | 12 880    | *12 570  | 8 510     | *9 940   | 6 200     | *7 370   | 4 760     | *6 310     | 4 680     | 9.10   |
|                                                                                                                         | 0 m           |          |           |          |           | *16 570  | 12 510    | *12 450  | 8 240     | *9 710   | 6 040     |          |           | *6 930     | 4 780     | 8.89   |
| Boom :<br>6.2 m 20'4" 2-piece boom<br>Arm :<br>3.7 m, 12'2" Shoe :<br>850 mm, 2'8" L/Frame:<br>LC<br>Dozer blade down   | -1.5 m        |          |           | *10 430  | *10 430   | *14 740  | 12 440    | *11 430  | 8 140     | *8 780   | 5 980     |          |           | *7 050     | 5 150     | 8.41   |
|                                                                                                                         | -3 m          |          |           |          |           | *11 750  | *11 750   | *9 290   | 8 190     | *6 440   | 6 070     |          |           | *6 140     | 5 960     | 7.61   |
|                                                                                                                         | 10.5 m        |          |           |          |           | *6 920   | *6 920    |          |           |          |           |          |           | *6 780     | *6 780    | 4.55   |
|                                                                                                                         | 9 m           |          |           |          |           |          |           | *6 900   | *6 900    |          |           |          |           | *5 380     | *5 380    | 6.67   |
|                                                                                                                         | 7.5 m         |          |           |          |           |          |           | *7 210   | *7 210    | *6 330   | *6 330    |          |           | *4 850     | *4 850    | 7.98   |
|                                                                                                                         | 6 m           |          |           |          |           |          |           | *7 530   | *7 530    | *7 390   | 6 900     |          |           | *4 620     | *4 620    | 8.85   |
|                                                                                                                         | 4.5 m         |          |           | *9 140   | *9 140    | *9 290   | *9 290    | *9 120   | *9 120    | *8 510   | 6 710     | *6 330   | 4 980     | *4 570     | *4 570    | 9.39   |
|                                                                                                                         | 3 m           |          |           |          |           | *15 150  | 14 050    | *11 450  | 9 050     | *9 390   | 6 460     | *7 640   | 4 870     | *4 670     | 4 320     | 9.68   |
|                                                                                                                         | 1.5 m         |          |           |          |           | *16 770  | 13 070    | *12 270  | 8 580     | *9 760   | 6 210     | *8 050   | 4 740     | *4 910     | 4 210     | 9.72   |
| Boom :<br>6.2 m 20'4" 2-piece boom<br>Arm :<br>3.7 m, 12'2" Shoe :<br>850 mm, 2'8" L/Frame:<br>LC<br>Dozer blade down   | 0 m           |          |           | *5 850   | *5 850    | *16 900  | 12 510    | *12 480  | 8 230     | *9 770   | 6 010     | *7 780   | 4 640     | *5 330     | 4 280     | 9.53   |
|                                                                                                                         | -1.5 m        |          |           | *9 870   | *9 870    | *15 680  | 12 320    | *11 870  | 8 050     | *9 210   | 5 900     | *6 830   | 4 610     | *6 040     | 4 560     | 9.08   |
|                                                                                                                         | -3 m          |          |           | *15 310  | *15 310   | *13 250  | 12 350    | *10 260  | 8 040     | *7 720   | 5 910     |          |           | *6 020     | 5 150     | 8.34   |
|                                                                                                                         | -4.5 m        |          |           |          |           | *9 370   | *9 370    | *7 200   | *7 200    |          |           |          |           |            |           | 7.22   |

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

# LIFTING CAPACITY - ECR355EL

At the arm end without bucket.

For Lifting capacity including bucket. Simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

|                                                                                                            | Lifting point | 1.5 m    |           | 3 m      |           | 4.5 m    |           | 6.0 m    |           | 7.5 m    |           | 9.0 m    |           | Max. reach |           |        |
|------------------------------------------------------------------------------------------------------------|---------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|--------|
|                                                                                                            |               | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC   | Across UC | Max. m |
| Boom :<br>6.2 m<br>Arm :<br>2.55 m<br>Shoe :<br>600 mm<br>L/Frame:<br>NLC<br>Dozer blade down              | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *9 200     | *9 200    | 4.72   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *8 400   | 8 400     |          |           |          |           | *8 480     | 7 440     | 6.45   |
|                                                                                                            | 6 m           |          |           |          |           | *9 680   | *9 680    | *8 680   | 8 280     |          |           |          |           | *8 330     | 5 780     | 7.49   |
|                                                                                                            | 4.5 m         |          |           |          |           | *12 070  | *12 070   | *9 700   | 7 970     | *8 590   | 5 670     |          |           | *8 370     | 4 980     | 8.13   |
|                                                                                                            | 3 m           |          |           |          |           | *15 010  | 11 410    | *11 020  | 7 580     | *9 180   | 5 500     |          |           | *8 520     | 4 580     | 8.46   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 930  | 10 800    | *12 150  | 7 250     | *9 750   | 5 320     |          |           | *8 740     | 4 450     | 8.51   |
|                                                                                                            | 0 m           |          |           |          |           | *17 290  | 10 590    | *12 710  | 7 060     | *10 040  | 5 210     |          |           | *9 000     | 4 560     | 8.29   |
|                                                                                                            | -1.5 m        |          |           | *12 210  | *12 210   | *16 610  | 10 600    | *12 530  | 7 000     | *9 740   | 5 190     |          |           | *9 270     | 4 960     | 7.77   |
|                                                                                                            | -3 m          |          |           | *19 630  | *19 630   | *14 920  | 10 740    | *11 360  | 7 090     |          |           |          |           | *9 450     | 5 910     | 6.89   |
|                                                                                                            | -4.5 m        |          |           |          |           | *11 530  | 11 080    |          |           |          |           |          |           | *9 200     | 8 370     | 5.47   |
| Boom :<br>6.2 m<br>Arm :<br>3.05 m<br>Shoe :<br>600 mm<br>L/Frame:<br>NLC<br>Dozer blade down              | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *6 840     | *6 840    | 5.63   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *7 590   | *7 590    |          |           |          |           | *6 090     | *6 090    | 7.13   |
|                                                                                                            | 6 m           |          |           |          |           |          |           | *8 000   | *8 000    | *7 690   | 5 860     |          |           | *5 820     | 5 150     | 8.09   |
|                                                                                                            | 4.5 m         |          |           | *15 710  | *15 710   | *11 000  | *11 000   | *9 080   | 8 080     | *8 120   | 5 730     |          |           | *5 810     | 4 510     | 8.68   |
|                                                                                                            | 3 m           |          |           |          |           | *13 990  | 11 650    | *10 490  | 7 670     | *8 800   | 5 530     |          |           | *5 990     | 4 180     | 8.99   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 330  | 10 930    | *11 770  | 7 300     | *9 480   | 5 340     | *6 780   | 4 090     | *6 390     | 4 070     | 9.04   |
|                                                                                                            | 0 m           |          |           |          |           | *17 230  | 10 600    | *12 540  | 7 060     | *9 920   | 5 190     |          |           | *7 090     | 4 150     | 8.83   |
|                                                                                                            | -1.5 m        |          |           | *11 230  | *11 230   | *16 950  | 10 520    | *12 620  | 6 950     | *9 890   | 5 130     |          |           | *8 300     | 4 460     | 8.35   |
|                                                                                                            | -3 m          |          |           | *18 610  | *18 610   | *15 650  | 10 610    | *11 840  | 6 990     | *8 890   | 5 200     |          |           | *8 820     | 5 170     | 7.53   |
|                                                                                                            | -4.5 m        |          |           | *17 330  | *17 330   | *12 940  | 10 880    | *9 460   | 7 210     |          |           |          |           | *8 770     | 6 810     | 6.27   |
| Boom :<br>6.2 m<br>Arm :<br>3.7 m<br>Shoe :<br>600 mm<br>L/Frame:<br>NLC<br>Dozer blade down               | 9 m           |          |           |          |           |          |           | *6 600   | *6 600    |          |           |          |           | *5 250     | *5 250    | 6.57   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           |          |           | *6 020   | 6 000     |          |           | *4 760     | *4 760    | 7.89   |
|                                                                                                            | 6 m           |          |           |          |           |          |           | *7 070   | *7 070    | *6 920   | 5 960     |          |           | *4 570     | 4 540     | 8.77   |
|                                                                                                            | 4.5 m         |          |           |          |           | *9 520   | *9 520    | *8 190   | *8 190    | *7 460   | 5 790     | *6 010   | 4 290     | *4 560     | 4 030     | 9.32   |
|                                                                                                            | 3 m           |          |           |          |           | *12 560  | 11 950    | *9 680   | 7 770     | *8 230   | 5 570     | *7 410   | 4 190     | *4 680     | 3 760     | 9.60   |
|                                                                                                            | 1.5 m         |          |           |          |           | *15 300  | 11 090    | *11 130  | 7 350     | *9 040   | 5 340     | *7 820   | 4 070     | *4 960     | 3 660     | 9.65   |
|                                                                                                            | 0 m           |          |           | *6 600   | *6 600    | *16 810  | 10 590    | *12 160  | 7 040     | *9 650   | 5 150     | *8 080   | 3 980     | *5 440     | 3 710     | 9.45   |
|                                                                                                            | -1.5 m        | *6 600   | *6 600    | *10 580  | *10 580   | *17 080  | 10 400    | *12 560  | 6 870     | *9 870   | 5 050     | *6 270   | 3 940     | *6 230     | 3 940     | 9.00   |
|                                                                                                            | -3 m          | *11 070  | *11 070   | *15 950  | *15 950   | *16 290  | 10 420    | *12 180  | 6 850     | *9 440   | 5 050     |          |           | *7 630     | 4 460     | 8.26   |
|                                                                                                            | -4.5 m        |          |           | *19 850  | *19 850   | *14 290  | 10 610    | *10 690  | 6 980     |          |           |          |           | *8 330     | 5 560     | 7.13   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>2.55 m<br>Shoe :<br>600 mm<br>L/Frame:<br>NLC<br>Dozer blade down | -6 m          |          |           |          |           | *10 050  | *10 050   |          |           |          |           |          |           |            |           | 5.35   |
|                                                                                                            | 9 m           |          |           |          |           |          |           | *11 360  | *11 360   |          |           |          |           | *10 220    | *10 220   | 4.83   |
|                                                                                                            | 7.5 m         |          |           |          |           | *11 520  | *11 520   | *10 600  | 8 410     |          |           |          |           | *8 910     | 7 260     | 6.53   |
|                                                                                                            | 6 m           |          |           |          |           | *12 660  | *12 660   | *10 800  | 8 290     | *9 000   | 5 730     |          |           | *8 480     | 5 640     | 7.56   |
|                                                                                                            | 4.5 m         |          |           |          |           | *14 860  | 12 320    | *11 530  | 7 950     | *9 670   | 5 630     |          |           | *8 480     | 4 860     | 8.20   |
|                                                                                                            | 3 m           |          |           |          |           | *16 730  | 11 320    | *12 310  | 7 530     | *9 920   | 5 440     |          |           | *8 720     | 4 470     | 8.52   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 290  | 10 670    | *12 680  | 7 170     | *9 970   | 5 260     |          |           | *8 430     | 4 340     | 8.57   |
|                                                                                                            | 0 m           |          |           |          |           | *15 950  | 10 450    | *12 270  | 6 960     | *9 530   | 5 140     |          |           | *8 060     | 4 450     | 8.35   |
|                                                                                                            | -1.5 m        |          |           | *11 220  | *11 220   | *13 720  | 10 470    | *10 910  | 6 910     | *8 200   | 5 120     |          |           | *7 450     | 4 850     | 7.84   |
|                                                                                                            | -3 m          |          |           |          |           | *10 340  | *10 340   | *8 270   | 7 010     |          |           |          |           | *6 280     | 5 770     | 6.97   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.05 m<br>Shoe :<br>600 mm<br>L/Frame:<br>NLC<br>Dozer blade down | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *7 020     | *7 020    | 5.73   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *8 890   | 8 590     |          |           |          |           | *6 190     | *6 190    | 7.21   |
|                                                                                                            | 6 m           |          |           |          |           | *9 240   | *9 240    | *9 680   | 8 430     | *8 520   | 5 840     |          |           | *5 880     | 5 030     | 8.16   |
|                                                                                                            | 4.5 m         |          |           | *20 630  | *20 630   | *14 040  | 12 610    | *11 080  | 8 070     | *9 370   | 5 700     |          |           | *5 820     | 4 400     | 8.75   |
|                                                                                                            | 3 m           |          |           |          |           | *16 140  | 11 590    | *12 000  | 7 620     | *9 740   | 5 480     | *6 470   | 4 120     | *5 970     | 4 080     | 9.05   |
|                                                                                                            | 1.5 m         |          |           |          |           | *17 160  | 10 810    | *12 570  | 7 220     | *9 940   | 5 270     | *7 370   | 4 030     | *6 310     | 3 970     | 9.10   |
|                                                                                                            | 0 m           |          |           |          |           | *16 570  | 10 450    | *12 450  | 6 960     | *9 710   | 5 120     |          |           | *6 930     | 4 050     | 8.89   |
|                                                                                                            | -1.5 m        |          |           | *10 430  | *10 430   | *14 740  | 10 390    | *11 430  | 6 860     | *8 780   | 5 060     |          |           | *7 050     | 4 360     | 8.41   |
|                                                                                                            | -3 m          |          |           |          |           | *11 750  | 10 500    | *9 290   | 6 910     | *6 440   | 5 150     |          |           | *6 140     | 5 060     | 7.61   |
|                                                                                                            | -4.5 m        |          |           |          |           | *6 920   | *6 920    |          |           |          |           |          |           | *6 780     | *6 780    | 4.55   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.7 m<br>Shoe :<br>600 mm<br>L/Frame:<br>NLC<br>Dozer blade down  | 9 m           |          |           |          |           |          |           | *6 900   | *6 900    |          |           |          |           | *5 380     | *5 380    | 6.67   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *7 210   | *7 210    | *6 330   | 6 000     |          |           | *4 850     | *4 850    | 7.98   |
|                                                                                                            | 6 m           |          |           |          |           |          |           | *7 530   | *7 530    | *7 390   | 5 950     |          |           | *4 620     | 4 430     | 8.85   |
|                                                                                                            | 4.5 m         |          |           | *9 140   | *9 140    | *9 290   | *9 290    | *9 120   | 8 230     | *8 510   | 5 770     | *6 330   | 4 250     | *4 570     | 3 930     | 9.39   |
|                                                                                                            | 3 m           |          |           |          |           | *15 150  | 11 930    | *11 450  | 7 750     | *9 390   | 5 530     | *7 640   | 4 140     | *4 670     | 3 660     | 9.68   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 770  | 10 990    | *12 270  | 7 280     | *9 760   | 5 280     | *8 050   | 4 020     | *4 910     | 3 560     | 9.72   |
|                                                                                                            | 0 m           |          |           | *5 850   | *5 850    | *16 900  | 10 450    | *12 480  | 6 950     | *9 770   | 5 080     | *7 780   | 3 920     | *5 330     | 3 610     | 9.53   |
|                                                                                                            | -1.5 m        |          |           | *9 870   | *9 870    | *15 680  | 10 260    | *11 870  | 6 780     | *9 210   | 4 980     | *6 830   | 3 890     | *6 040     | 3 850     | 9.08   |
|                                                                                                            | -3 m          |          |           | *15 310  | *15 310   | *13 250  | 10 290    | *10 260  | 6 760     | *7 720   | 4 980     |          |           | *6 020     | 4 360     | 8.34   |
|                                                                                                            | -4.5 m        |          |           |          |           | *9 370   | *9 370    | *7 200   | 6 910     |          |           |          |           |            |           | 7.22   |

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 - ECR355EL

At the arm end without bucket.

For Lifting capacity including bucket. Simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

|                                                                                                            | Lifting point | 1.5 m    |           | 3 m      |           | 4.5 m    |           | 6.0 m    |           | 7.5 m    |           | 9.0 m    |           | Max. reach |           |        |
|------------------------------------------------------------------------------------------------------------|---------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|--------|
|                                                                                                            |               | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC   | Across UC | Max. m |
| Boom :<br>6.2 m<br>Arm :<br>2.55 m<br>Shoe :<br>700 mm<br>L/Frame:<br>NLC<br>Dozer blade down              | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *9 200     | *9 200    | 4.72   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *8 400   | *8 400    |          |           |          |           | *8 480     | 7 560     | 6.45   |
|                                                                                                            | 6 m           |          |           |          |           | *9 680   | *9 680    | *8 680   | 8 420     |          |           |          |           | *8 330     | 5 880     | 7.49   |
|                                                                                                            | 4.5 m         |          |           |          |           | *12 070  | *12 070   | *9 700   | 8 110     | *8 590   | 5 770     |          |           | *8 370     | 5 070     | 8.13   |
|                                                                                                            | 3 m           |          |           |          |           | *15 010  | 11 610    | *11 020  | 7 720     | *9 180   | 5 600     |          |           | *8 520     | 4 670     | 8.46   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 930  | 11 000    | *12 150  | 7 390     | *9 750   | 5 430     |          |           | *8 740     | 4 540     | 8.51   |
|                                                                                                            | 0 m           |          |           |          |           | *17 290  | 10 790    | *12 710  | 7 190     | *10 040  | 5 310     |          |           | *9 000     | 4 650     | 8.29   |
|                                                                                                            | -1.5 m        |          |           | *12 210  | *12 210   | *16 610  | 10 800    | *12 530  | 7 140     | *9 740   | 5 290     |          |           | *9 270     | 5 060     | 7.77   |
|                                                                                                            | -3 m          |          |           | *19 630  | *19 630   | *14 920  | 10 940    | *11 360  | 7 220     |          |           |          |           | *9 450     | 6 020     | 6.89   |
|                                                                                                            | -4.5 m        |          |           |          |           | *11 530  | 11 280    |          |           |          |           |          |           | *9 200     | 8 520     | 5.47   |
| Boom :<br>6.2 m<br>Arm :<br>3.05 m<br>Shoe :<br>700 mm<br>L/Frame:<br>NLC<br>Dozer blade down              | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *6 840     | *6 840    | 5.63   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *7 590   | *7 590    |          |           |          |           | *6 090     | *6 090    | 7.13   |
|                                                                                                            | 6 m           |          |           |          |           |          |           | *8 000   | *8 000    | *7 690   | 5 970     |          |           | *5 820     | 5 240     | 8.09   |
|                                                                                                            | 4.5 m         |          |           | *15 710  | *15 710   | *11 000  | *11 000   | *9 080   | 8 210     | *8 120   | 5 830     |          |           | *5 810     | 4 600     | 8.68   |
|                                                                                                            | 3 m           |          |           |          |           | *13 990  | 11 850    | *10 490  | 7 810     | *8 800   | 5 630     |          |           | *5 990     | 4 270     | 8.99   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 330  | 11 130    | *11 770  | 7 440     | *9 480   | 5 440     | *6 780   | 4 180     | *6 390     | 4 150     | 9.04   |
|                                                                                                            | 0 m           |          |           |          |           | *17 230  | 10 800    | *12 540  | 7 190     | *9 920   | 5 300     |          |           | *7 090     | 4 230     | 8.83   |
|                                                                                                            | -1.5 m        |          |           | *11 230  | *11 230   | *16 950  | 10 720    | *12 620  | 7 090     | *9 890   | 5 240     |          |           | *8 300     | 4 550     | 8.35   |
|                                                                                                            | -3 m          |          |           | *18 610  | *18 610   | *15 650  | 10 820    | *11 840  | 7 130     | *8 890   | 5 300     |          |           | *8 820     | 5 270     | 7.53   |
|                                                                                                            | -4.5 m        |          |           | *17 330  | *17 330   | *12 940  | 11 080    | *9 460   | 7 340     |          |           |          |           | *8 770     | 6 940     | 6.27   |
| Boom :<br>6.2 m<br>Arm :<br>3.7 m<br>Shoe :<br>700 mm<br>L/Frame:<br>NLC<br>Dozer blade down               | 9 m           |          |           |          |           |          |           | *6 600   | *6 600    |          |           |          |           | *5 250     | *5 250    | 6.57   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           |          |           | *6 020   | *6 020    |          |           | *4 760     | *4 760    | 7.89   |
|                                                                                                            | 6 m           |          |           |          |           |          |           | *7 070   | *7 070    | *6 920   | 6 060     |          |           | *4 570     | *4 570    | 8.77   |
|                                                                                                            | 4.5 m         |          |           |          |           | *9 520   | *9 520    | *8 190   | *8 190    | *7 460   | 5 890     | *6 010   | 4 370     | *4 560     | 4 110     | 9.32   |
|                                                                                                            | 3 m           |          |           |          |           | *12 560  | 12 150    | *9 680   | 7 910     | *8 230   | 5 670     | *7 410   | 4 270     | *4 680     | 3 840     | 9.60   |
|                                                                                                            | 1.5 m         |          |           |          |           | *15 300  | 11 290    | *11 130  | 7 480     | *9 040   | 5 440     | *7 820   | 4 150     | *4 960     | 3 730     | 9.65   |
|                                                                                                            | 0 m           |          |           |          |           | *16 810  | 10 790    | *12 160  | 7 170     | *9 650   | 5 260     | *8 080   | 4 060     | *5 440     | 3 790     | 9.45   |
|                                                                                                            | -1.5 m        | *6 600   | *6 600    | *10 580  | *10 580   | *17 080  | 10 600    | *12 560  | 7 010     | *9 870   | 5 150     | *6 270   | 4 030     | *6 230     | 4 030     | 9.00   |
|                                                                                                            | -3 m          | *11 070  | *11 070   | *15 950  | *15 950   | *16 290  | 10 620    | *12 180  | 6 990     | *9 440   | 5 150     |          |           | *7 630     | 4 550     | 8.26   |
|                                                                                                            | -4.5 m        |          |           | *19 850  | *19 850   | *14 290  | 10 810    | *10 690  | 7 110     |          |           |          |           | *8 330     | 5 670     | 7.13   |
|                                                                                                            | -6 m          |          |           |          |           | *10 050  | *10 050   |          |           |          |           |          |           |            |           | 5.35   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>2.55 m<br>Shoe :<br>700 mm<br>L/Frame:<br>NLC<br>Dozer blade down | 9 m           |          |           |          |           | *11 360  | *11 360   |          |           |          |           |          |           | *10 220    | *10 220   | 4.83   |
|                                                                                                            | 7.5 m         |          |           |          |           | *11 520  | *11 520   | *10 600  | 8 550     |          |           |          |           | *8 910     | 7 390     | 6.53   |
|                                                                                                            | 6 m           |          |           |          |           | *12 660  | *12 660   | *10 800  | 8 430     | *9 000   | 5 830     |          |           | *8 480     | 5 750     | 7.56   |
|                                                                                                            | 4.5 m         |          |           |          |           | *14 860  | 12 520    | *11 530  | 8 080     | *9 670   | 5 730     |          |           | *8 480     | 4 950     | 8.20   |
|                                                                                                            | 3 m           |          |           |          |           | *16 730  | 11 520    | *12 310  | 7 660     | *9 920   | 5 540     |          |           | *8 720     | 4 560     | 8.52   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 290  | 10 870    | *12 680  | 7 300     | *9 970   | 5 360     |          |           | *8 430     | 4 430     | 8.57   |
|                                                                                                            | 0 m           |          |           |          |           | *15 950  | 10 650    | *12 270  | 7 090     | *9 530   | 5 240     |          |           | *8 060     | 4 540     | 8.35   |
|                                                                                                            | -1.5 m        |          |           | *11 220  | *11 220   | *13 720  | 10 670    | *10 910  | 7 040     | *8 200   | 5 220     |          |           | *7 450     | 4 940     | 7.84   |
|                                                                                                            | -3 m          |          |           |          |           | *10 340  | *10 340   | *8 270   | 7 150     |          |           |          |           | *6 280     | 5 890     | 6.97   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.05 m<br>Shoe :<br>700 mm<br>L/Frame:<br>NLC<br>Dozer blade down | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *7 020     | *7 020    | 5.73   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *8 890   | 8 720     |          |           |          |           | *6 190     | *6 190    | 7.21   |
|                                                                                                            | 6 m           |          |           |          |           | *9 240   | *9 240    | *9 680   | 8 560     | *8 520   | 5 950     |          |           | *5 880     | 5 120     | 8.16   |
|                                                                                                            | 4.5 m         |          |           | *20 630  | *20 630   | *14 040  | 12 810    | *11 080  | 8 210     | *9 370   | 5 800     |          |           | *5 820     | 4 490     | 8.75   |
|                                                                                                            | 3 m           |          |           |          |           | *16 140  | 11 790    | *12 000  | 7 760     | *9 740   | 5 590     | *6 470   | 4 200     | *5 970     | 4 160     | 9.05   |
|                                                                                                            | 1.5 m         |          |           |          |           | *17 160  | 11 010    | *12 570  | 7 360     | *9 940   | 5 370     | *7 370   | 4 120     | *6 310     | 4 050     | 9.10   |
|                                                                                                            | 0 m           |          |           |          |           | *16 570  | 10 650    | *12 450  | 7 100     | *9 710   | 5 220     |          |           | *6 930     | 4 130     | 8.89   |
|                                                                                                            | -1.5 m        |          |           | *10 430  | *10 430   | *14 740  | 10 590    | *11 430  | 6 990     | *8 780   | 5 160     |          |           | *7 050     | 4 450     | 8.41   |
|                                                                                                            | -3 m          |          |           |          |           | *11 750  | 10 700    | *9 290   | 7 040     | *6 440   | 5 250     |          |           | *6 140     | 5 160     | 7.61   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.7 m<br>Shoe :<br>700 mm<br>L/Frame:<br>NLC<br>Dozer blade down  | 10.5 m        |          |           |          |           | *6 920   | *6 920    |          |           |          |           |          |           | *6 780     | *6 780    | 4.55   |
|                                                                                                            | 9 m           |          |           |          |           |          |           | *6 900   | *6 900    |          |           |          |           | *5 380     | *5 380    | 6.67   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *7 210   | *7 210    | *6 330   | 6 100     |          |           | *4 850     | *4 850    | 7.98   |
|                                                                                                            | 6 m           |          |           |          |           |          |           | *7 530   | *7 530    | *7 390   | 6 060     |          |           | *4 620     | 4 510     | 8.85   |
|                                                                                                            | 4.5 m         |          |           | *9 140   | *9 140    | *9 290   | *9 290    | *9 120   | 8 360     | *8 510   | 5 880     | *6 330   | 4 330     | *4 570     | 4 010     | 9.39   |
|                                                                                                            | 3 m           |          |           |          |           | *15 150  | 12 130    | *11 450  | 7 880     | *9 390   | 5 630     | *7 640   | 4 220     | *4 670     | 3 740     | 9.68   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 770  | 11 190    | *12 270  | 7 420     | *9 760   | 5 380     | *8 050   | 4 100     | *4 910     | 3 640     | 9.72   |
|                                                                                                            | 0 m           |          |           | *5 850   | *5 850    | *16 900  | 10 650    | *12 480  | 7 080     | *9 770   | 5 190     | *7 780   | 4 000     | *5 330     | 3 690     | 9.53   |
|                                                                                                            | -1.5 m        |          |           | *9 870   | *9 870    | *15 680  | 10 460    | *11 870  | 6 910     | *9 210   | 5 080     | *6 830   | 3 970     | *6 040     | 3 930     | 9.08   |
|                                                                                                            | -3 m          |          |           | *15 310  | *15 310   | *13 250  | 10 500    | *10 260  | 6 900     | *7 720   | 5 090     |          |           | *6 020     | 4 450     | 8.34   |
|                                                                                                            | -4.5 m        |          |           |          |           | *9 370   | *9 370    | *7 200   | 7 050     |          |           |          |           |            |           | 7.22   |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities.

2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.

3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.

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

# LIFTING CAPACITY - ECR355EL

At the arm end without bucket.

For Lifting capacity including bucket. Simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

|                                                                                                            | Lifting point | 1.5 m    |           | 3 m      |           | 4.5 m    |           | 6.0 m    |           | 7.5 m    |           | 9.0 m    |           | Max. reach |           |        |
|------------------------------------------------------------------------------------------------------------|---------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|--------|
|                                                                                                            |               | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC   | Across UC | Max. m |
| Boom :<br>6.2 m<br>Arm :<br>2.55 m<br>Shoe :<br>800 mm<br>L/Frame:<br>NLC<br>Dozer blade down              | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *9 200     | *9 200    | 4.72   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *8 400   | *8 400    |          |           |          |           | *8 480     | 7 640     | 6.45   |
|                                                                                                            | 6 m           |          |           |          |           | *9 680   | *9 680    | *8 680   | 8 500     |          |           |          |           | *8 330     | 5 940     | 7.49   |
|                                                                                                            | 4.5 m         |          |           |          |           | *12 070  | *12 070   | *9 700   | 8 190     | *8 590   | 5 840     |          |           | *8 370     | 5 130     | 8.13   |
|                                                                                                            | 3 m           |          |           |          |           | *15 010  | 11 740    | *11 020  | 7 800     | *9 180   | 5 660     |          |           | *8 520     | 4 730     | 8.46   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 930  | 11 130    | *12 150  | 7 470     | *9 750   | 5 490     |          |           | *8 740     | 4 590     | 8.51   |
|                                                                                                            | 0 m           |          |           |          |           | *17 290  | 10 920    | *12 710  | 7 280     | *10 040  | 5 380     |          |           | *9 000     | 4 700     | 8.29   |
|                                                                                                            | -1.5 m        |          |           | *12 210  | *12 210   | *16 610  | 10 920    | *12 530  | 7 220     | *9 740   | 5 360     |          |           | *9 270     | 5 120     | 7.77   |
|                                                                                                            | -3 m          |          |           | *19 630  | *19 630   | *14 920  | 11 070    | *11 360  | 7 310     |          |           |          |           | *9 450     | 6 090     | 6.89   |
|                                                                                                            | -4.5 m        |          |           |          |           | *11 530  | 11 410    |          |           |          |           |          |           | *9 200     | 8 620     | 5.47   |
| Boom :<br>6.2 m<br>Arm :<br>3.05 m<br>Shoe :<br>800 mm<br>L/Frame:<br>NLC<br>Dozer blade down              | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *6 840     | *6 840    | 5.63   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *7 590   | *7 590    |          |           |          |           | *6 090     | *6 090    | 7.13   |
|                                                                                                            | 6 m           |          |           |          |           |          |           | *8 000   | *8 000    | *7 690   | 6 030     |          |           | *5 820     | 5 300     | 8.09   |
|                                                                                                            | 4.5 m         |          |           | *15 710  | *15 710   | *11 000  | *11 000   | *9 080   | 8 300     | *8 120   | 5 900     |          |           | *5 810     | 4 650     | 8.68   |
|                                                                                                            | 3 m           |          |           |          |           | *13 990  | 11 980    | *10 490  | 7 890     | *8 800   | 5 700     |          |           | *5 990     | 4 320     | 8.99   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 330  | 11 250    | *11 770  | 7 520     | *9 480   | 5 500     | *6 780   | 4 230     | *6 390     | 4 200     | 9.04   |
|                                                                                                            | 0 m           |          |           |          |           | *17 230  | 10 920    | *12 540  | 7 280     | *9 920   | 5 360     |          |           | *7 090     | 4 280     | 8.83   |
|                                                                                                            | -1.5 m        |          |           | *11 230  | *11 230   | *16 950  | 10 850    | *12 620  | 7 170     | *9 890   | 5 300     |          |           | *8 300     | 4 610     | 8.35   |
|                                                                                                            | -3 m          |          |           | *18 610  | *18 610   | *15 650  | 10 940    | *11 840  | 7 210     | *8 890   | 5 370     |          |           | *8 820     | 5 340     | 7.53   |
|                                                                                                            | -4.5 m        |          |           | *17 330  | *17 330   | *12 940  | 11 210    | *9 460   | 7 430     |          |           |          |           | *8 770     | 7 020     | 6.27   |
| Boom :<br>6.2 m<br>Arm :<br>3.7 m<br>Shoe :<br>800 mm<br>L/Frame:<br>NLC<br>Dozer blade down               | 9 m           |          |           |          |           |          |           | *6 600   | *6 600    |          |           |          |           | *5 250     | *5 250    | 6.57   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           |          |           | *6 020   | *6 020    |          |           | *4 760     | *4 760    | 7.89   |
|                                                                                                            | 6 m           |          |           |          |           |          |           | *7 070   | *7 070    | *6 920   | 6 120     |          |           | *4 570     | *4 570    | 8.77   |
|                                                                                                            | 4.5 m         |          |           |          |           | *9 520   | *9 520    | *8 190   | *8 190    | *7 460   | 5 960     | *6 010   | 4 420     | *4 560     | 4 160     | 9.32   |
|                                                                                                            | 3 m           |          |           |          |           | *12 560  | 12 270    | *9 680   | 7 990     | *8 230   | 5 730     | *7 410   | 4 320     | *4 680     | 3 880     | 9.60   |
|                                                                                                            | 1.5 m         |          |           |          |           | *15 300  | 11 410    | *11 130  | 7 570     | *9 040   | 5 500     | *7 820   | 4 200     | *4 960     | 3 780     | 9.65   |
|                                                                                                            | 0 m           |          |           | *6 600   | *6 600    | *16 810  | 10 910    | *12 160  | 7 260     | *9 650   | 5 320     | *8 080   | 4 110     | *5 440     | 3 830     | 9.45   |
|                                                                                                            | -1.5 m        | *6 600   | *6 600    | *10 580  | *10 580   | *17 080  | 10 730    | *12 560  | 7 090     | *9 870   | 5 220     | *6 270   | 4 080     | *6 230     | 4 080     | 9.00   |
|                                                                                                            | -3 m          | *11 070  | *11 070   | *15 950  | *15 950   | *16 290  | 10 750    | *12 180  | 7 070     | *9 440   | 5 210     |          |           | *7 630     | 4 610     | 8.26   |
|                                                                                                            | -4.5 m        |          |           | *19 850  | *19 850   | *14 290  | 10 940    | *10 690  | 7 200     |          |           |          |           | *8 330     | 5 740     | 7.13   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>2.55 m<br>Shoe :<br>800 mm<br>L/Frame:<br>NLC<br>Dozer blade down | -6 m          |          |           |          |           | *10 050  | *10 050   |          |           |          |           |          |           |            |           | 5.35   |
|                                                                                                            | 9 m           |          |           |          |           |          |           | *11 360  | *11 360   |          |           |          |           | *10 220    | *10 220   | 4.83   |
|                                                                                                            | 7.5 m         |          |           |          |           | *11 520  | *11 520   | *10 600  | 8 630     |          |           |          |           | *8 910     | 7 460     | 6.53   |
|                                                                                                            | 6 m           |          |           |          |           | *12 660  | *12 660   | *10 800  | 8 510     | *9 000   | 5 900     |          |           | *8 480     | 5 810     | 7.56   |
|                                                                                                            | 4.5 m         |          |           |          |           | *14 860  | 12 640    | *11 530  | 8 170     | *9 670   | 5 800     |          |           | *8 480     | 5 010     | 8.20   |
|                                                                                                            | 3 m           |          |           |          |           | *16 730  | 11 650    | *12 310  | 7 750     | *9 920   | 5 610     |          |           | *8 720     | 4 610     | 8.52   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 290  | 10 990    | *12 680  | 7 390     | *9 970   | 5 420     |          |           | *8 430     | 4 480     | 8.57   |
|                                                                                                            | 0 m           |          |           |          |           | *15 950  | 10 780    | *12 270  | 7 180     | *9 530   | 5 300     |          |           | *8 060     | 4 590     | 8.35   |
|                                                                                                            | -1.5 m        |          |           | *11 220  | *11 220   | *13 720  | 10 790    | *10 910  | 7 130     | *8 200   | 5 290     |          |           | *7 450     | 5 010     | 7.84   |
|                                                                                                            | -3 m          |          |           |          |           | *10 340  | *10 340   | *8 270   | 7 230     |          |           |          |           | *6 280     | 5 960     | 6.97   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.05 m<br>Shoe :<br>800 mm<br>L/Frame:<br>NLC<br>Dozer blade down | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *7 020     | *7 020    | 5.73   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *8 890   | 8 810     |          |           |          |           | *6 190     | *6 190    | 7.21   |
|                                                                                                            | 6 m           |          |           |          |           | *9 240   | *9 240    | *9 680   | 8 650     | *8 520   | 6 010     |          |           | *5 880     | 5 180     | 8.16   |
|                                                                                                            | 4.5 m         |          |           | *20 630  | *20 630   | *14 040  | 12 930    | *11 080  | 8 290     | *9 370   | 5 870     |          |           | *5 820     | 4 540     | 8.75   |
|                                                                                                            | 3 m           |          |           |          |           | *16 140  | 11 920    | *12 000  | 7 850     | *9 740   | 5 650     | *6 470   | 4 250     | *5 970     | 4 210     | 9.05   |
|                                                                                                            | 1.5 m         |          |           |          |           | *17 160  | 11 130    | *12 570  | 7 440     | *9 940   | 5 440     | *7 370   | 4 170     | *6 310     | 4 100     | 9.10   |
|                                                                                                            | 0 m           |          |           |          |           | *16 570  | 10 780    | *12 450  | 7 180     | *9 710   | 5 290     |          |           | *6 930     | 4 180     | 8.89   |
|                                                                                                            | -1.5 m        |          |           | *10 430  | *10 430   | *14 740  | 10 710    | *11 430  | 7 080     | *8 780   | 5 230     |          |           | *7 050     | 4 510     | 8.41   |
|                                                                                                            | -3 m          |          |           |          |           | *11 750  | 10 830    | *9 290   | 7 130     | *6 440   | 5 310     |          |           | *6 140     | 5 220     | 7.61   |
|                                                                                                            | -4.5 m        |          |           |          |           | *6 920   | *6 920    |          |           |          |           |          |           | *6 780     | *6 780    | 4.55   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.7 m<br>Shoe :<br>800 mm<br>L/Frame:<br>NLC<br>Dozer blade down  | 9 m           |          |           |          |           |          |           | *6 900   | *6 900    |          |           |          |           | *5 380     | *5 380    | 6.67   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *7 210   | *7 210    | *6 330   | 6 160     |          |           | *4 850     | *4 850    | 7.98   |
|                                                                                                            | 6 m           |          |           |          |           |          |           | *7 530   | *7 530    | *7 390   | 6 120     |          |           | *4 620     | 4 570     | 8.85   |
|                                                                                                            | 4.5 m         |          |           | *9 140   | *9 140    | *9 290   | *9 290    | *9 120   | 8 450     | *8 510   | 5 940     | *6 330   | 4 390     | *4 570     | 4 060     | 9.39   |
|                                                                                                            | 3 m           |          |           |          |           | *15 150  | 12 250    | *11 450  | 7 970     | *9 390   | 5 690     | *7 640   | 4 270     | *4 670     | 3 780     | 9.68   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 770  | 11 310    | *12 270  | 7 500     | *9 760   | 5 450     | *8 050   | 4 150     | *4 910     | 3 680     | 9.72   |
|                                                                                                            | 0 m           |          |           | *5 850   | *5 850    | *16 900  | 10 780    | *12 480  | 7 170     | *9 770   | 5 250     | *7 780   | 4 050     | *5 330     | 3 740     | 9.53   |
|                                                                                                            | -1.5 m        |          |           | *9 870   | *9 870    | *15 680  | 10 590    | *11 870  | 7 000     | *9 210   | 5 140     | *6 830   | 4 020     | *6 040     | 3 980     | 9.08   |
|                                                                                                            | -3 m          |          |           | *15 310  | *15 310   | *13 250  | 10 620    | *10 260  | 6 980     | *7 720   | 5 150     |          |           | *6 020     | 4 500     | 8.34   |
|                                                                                                            | -4.5 m        |          |           |          |           | *9 370   | *9 370    | *7 200   | 7 130     |          |           |          |           |            |           | 7.22   |

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 - ECR355EL

At the arm end without bucket.

For Lifting capacity including bucket. Simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

|                                                                                                            | Lifting point | 1.5 m    |           | 3 m      |           | 4.5 m    |           | 6.0 m    |           | 7.5 m    |           | 9.0 m    |           | Max. reach |           |        |
|------------------------------------------------------------------------------------------------------------|---------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|--------|
|                                                                                                            |               | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC   | Across UC | Max. m |
| Boom :<br>6.2 m<br>Arm :<br>2.55 m<br>Shoe :<br>850 mm<br>L/Frame:<br>NLC<br>Dozer blade down              | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *9 200     | *9 200    | 4.72   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *8 400   | *8 400    |          |           |          |           | *8 480     | 7 670     | 6.45   |
|                                                                                                            | 6 m           |          |           |          |           | *9 680   | *9 680    | *8 680   | 8 540     |          |           |          |           | *8 330     | 5 970     | 7.49   |
|                                                                                                            | 4.5 m         |          |           |          |           | *12 070  | *12 070   | *9 700   | 8 230     | *8 590   | 5 870     |          |           | *8 370     | 5 150     | 8.13   |
|                                                                                                            | 3 m           |          |           |          |           | *15 010  | 11 790    | *11 020  | 7 840     | *9 180   | 5 690     |          |           | *8 520     | 4 750     | 8.46   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 930  | 11 190    | *12 150  | 7 510     | *9 750   | 5 520     |          |           | *8 740     | 4 620     | 8.51   |
|                                                                                                            | 0 m           |          |           |          |           | *17 290  | 10 980    | *12 710  | 7 320     | *10 040  | 5 410     |          |           | *9 000     | 4 730     | 8.29   |
|                                                                                                            | -1.5 m        |          |           | *12 210  | *12 210   | *16 610  | 10 980    | *12 530  | 7 260     | *9 740   | 5 390     |          |           | *9 270     | 5 150     | 7.77   |
|                                                                                                            | -3 m          |          |           | *19 630  | *19 630   | *14 920  | 11 130    | *11 360  | 7 350     |          |           |          |           | *9 450     | 6 120     | 6.89   |
|                                                                                                            | -4.5 m        |          |           |          |           | *11 530  | 11 470    |          |           |          |           |          |           | *9 200     | 8 660     | 5.47   |
| Boom :<br>6.2 m<br>Arm :<br>3.05 m<br>Shoe :<br>850 mm<br>L/Frame:<br>NLC<br>Dozer blade down              | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *6 840     | *6 840    | 5.63   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *7 590   | *7 590    |          |           |          |           | *6 090     | *6 090    | 7.13   |
|                                                                                                            | 6 m           |          |           |          |           |          |           | *8 000   | *8 000    | *7 690   | 6 060     |          |           | *5 820     | 5 330     | 8.09   |
|                                                                                                            | 4.5 m         |          |           | *15 710  | *15 710   | *11 000  | *11 000   | *9 080   | 8 340     | *8 120   | 5 930     |          |           | *5 810     | 4 680     | 8.68   |
|                                                                                                            | 3 m           |          |           |          |           | *13 990  | 12 040    | *10 490  | 7 930     | *8 800   | 5 730     |          |           | *5 990     | 4 340     | 8.99   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 330  | 11 310    | *11 770  | 7 560     | *9 480   | 5 530     | *6 780   | 4 250     | *6 390     | 4 230     | 9.04   |
|                                                                                                            | 0 m           |          |           |          |           | *17 230  | 10 980    | *12 540  | 7 320     | *9 920   | 5 390     |          |           | *7 090     | 4 310     | 8.83   |
|                                                                                                            | -1.5 m        |          |           | *11 230  | *11 230   | *16 950  | 10 910    | *12 620  | 7 210     | *9 890   | 5 330     |          |           | *8 300     | 4 640     | 8.35   |
|                                                                                                            | -3 m          |          |           | *18 610  | *18 610   | *15 650  | 11 000    | *11 840  | 7 250     | *8 890   | 5 400     |          |           | *8 820     | 5 370     | 7.53   |
|                                                                                                            | -4.5 m        |          |           | *17 330  | *17 330   | *12 940  | 11 270    | *9 460   | 7 470     |          |           |          |           | *8 770     | 7 060     | 6.27   |
| Boom :<br>6.2 m<br>Arm :<br>3.7 m<br>Shoe :<br>850 mm<br>L/Frame:<br>NLC<br>Dozer blade down               | 9 m           |          |           |          |           |          |           | *6 600   | *6 600    |          |           |          |           | *5 250     | *5 250    | 6.57   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           |          |           | *6 020   | *6 020    |          |           | *4 760     | *4 760    | 7.89   |
|                                                                                                            | 6 m           |          |           |          |           |          |           | *7 070   | *7 070    | *6 920   | 6 150     |          |           | *4 570     | *4 570    | 8.77   |
|                                                                                                            | 4.5 m         |          |           |          |           | *9 520   | *9 520    | *8 190   | *8 190    | *7 460   | 5 990     | *6 010   | 4 450     | *4 560     | 4 180     | 9.32   |
|                                                                                                            | 3 m           |          |           |          |           | *12 560  | 12 330    | *9 680   | 8 030     | *8 230   | 5 760     | *7 410   | 4 350     | *4 680     | 3 910     | 9.60   |
|                                                                                                            | 1.5 m         |          |           |          |           | *15 300  | 11 470    | *11 130  | 7 610     | *9 040   | 5 530     | *7 820   | 4 230     | *4 960     | 3 800     | 9.65   |
|                                                                                                            | 0 m           |          |           |          |           | *16 810  | 10 970    | *12 160  | 7 300     | *9 650   | 5 350     | *8 080   | 4 140     | *5 440     | 3 860     | 9.45   |
|                                                                                                            | -1.5 m        | *6 600   | *6 600    | *10 580  | *10 580   | *17 080  | 10 790    | *12 560  | 7 130     | *9 870   | 5 250     | *6 270   | 4 100     | *6 230     | 4 100     | 9.00   |
|                                                                                                            | -3 m          | *11 070  | *11 070   | *15 950  | *15 950   | *16 290  | 10 800    | *12 180  | 7 110     | *9 440   | 5 240     |          |           | *7 630     | 4 630     | 8.26   |
|                                                                                                            | -4.5 m        |          |           | *19 850  | *19 850   | *14 290  | 10 990    | *10 690  | 7 240     |          |           |          |           | *8 330     | 5 770     | 7.13   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>2.55 m<br>Shoe :<br>850 mm<br>L/Frame:<br>NLC<br>Dozer blade down | -6 m          |          |           |          |           | *10 050  | *10 050   |          |           |          |           |          |           |            |           | 5.35   |
|                                                                                                            | 9 m           |          |           |          |           | *11 360  | *11 360   |          |           |          |           |          |           | *10 220    | *10 220   | 4.83   |
|                                                                                                            | 7.5 m         |          |           |          |           | *11 520  | *11 520   | *10 600  | 9 660     |          |           |          |           | *8 910     | 8 350     | 6.53   |
|                                                                                                            | 6 m           |          |           |          |           | *12 660  | *12 660   | *10 800  | 9 540     | *9 000   | 6 610     |          |           | *8 480     | 6 520     | 7.56   |
|                                                                                                            | 4.5 m         |          |           |          |           | *14 860  | 14 350    | *11 530  | 9 180     | *9 670   | 6 510     |          |           | *8 480     | 5 640     | 8.20   |
|                                                                                                            | 3 m           |          |           |          |           | *16 730  | 13 310    | *12 310  | 8 750     | *9 920   | 6 320     |          |           | *8 720     | 5 200     | 8.52   |
|                                                                                                            | 1.5 m         |          |           |          |           | *16 290  | 12 630    | *12 680  | 8 380     | *9 970   | 6 130     |          |           | *8 430     | 5 070     | 8.57   |
|                                                                                                            | 0 m           |          |           |          |           | *15 950  | 12 400    | *12 270  | 8 170     | *9 530   | 6 010     |          |           | *8 060     | 5 200     | 8.35   |
|                                                                                                            | -1.5 m        |          |           | *11 220  | *11 220   | *13 720  | 12 420    | *10 910  | 8 120     | *8 200   | 5 990     |          |           | *7 450     | 5 670     | 7.84   |
|                                                                                                            | -3 m          |          |           |          |           | *10 340  | *10 340   | *8 270   | 8 230     |          |           |          |           | *6 280     | *6 280    | 6.97   |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.05 m<br>Shoe :<br>850 mm<br>L/Frame:<br>NLC<br>Dozer blade down | 9 m           |          |           |          |           |          |           |          |           |          |           |          |           | *7 020     | *7 020    | 5.73   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *8 890   | *8 890    |          |           |          |           | *6 190     | *6 190    | 7.21   |
|                                                                                                            | 6 m           |          |           |          |           | *9 240   | *9 240    | *9 680   | 9 680     | *8 520   | 6 730     |          |           | *5 880     | 5 810     | 8.16   |
|                                                                                                            | 4.5 m         |          |           | *20 630  | *20 630   | *14 040  | *14 040   | *11 080  | 9 310     | *9 370   | 6 580     |          |           | *5 820     | 5 110     | 8.75   |
|                                                                                                            | 3 m           |          |           |          |           | *16 140  | 13 590    | *12 000  | 8 850     | *9 740   | 6 360     | *6 470   | 4 800     | *5 970     | 4 760     | 9.05   |
|                                                                                                            | 1.5 m         |          |           |          |           | *17 160  | 12 770    | *12 570  | 8 440     | *9 940   | 6 150     | *7 370   | 4 710     | *6 310     | 4 640     | 9.10   |
|                                                                                                            | 0 m           |          |           |          |           | *16 570  | 12 410    | *12 450  | 8 170     | *9 710   | 5 990     |          |           | *6 930     | 4 740     | 8.89   |
|                                                                                                            | -1.5 m        |          |           | *10 430  | *10 430   | *14 740  | 12 340    | *11 430  | 8 070     | *8 780   | 5 930     |          |           | *7 050     | 5 100     | 8.41   |
|                                                                                                            | -3 m          |          |           |          |           | *11 750  | *11 750   | *9 290   | 8 120     | *6 440   | 6 020     |          |           | *6 140     | 5 910     | 7.61   |
|                                                                                                            | -4.5 m        |          |           |          |           |          |           |          |           |          |           |          |           |            |           |        |
| Boom :<br>6.2 m 2-piece boom<br>Arm :<br>3.7 m<br>Shoe :<br>850 mm<br>L/Frame:<br>NLC<br>Dozer blade down  | 9 m           |          |           |          |           | *6 920   | *6 920    |          |           |          |           |          |           | *6 780     | *6 780    | 4.55   |
|                                                                                                            | 7.5 m         |          |           |          |           |          |           | *6 900   | *6 900    |          |           |          |           | *5 380     | *5 380    | 6.67   |
|                                                                                                            | 6 m           |          |           |          |           |          |           | *7 210   | *7 210    | *6 330   | *6 330    |          |           | *4 850     | *4 850    | 7.98   |
|                                                                                                            | 4.5 m         |          |           |          |           |          |           | *7 530   | *7 530    | *7 390   | 6 840     |          |           | *4 620     | *4 620    | 8.85   |
|                                                                                                            | 3 m           |          |           | *9 140   | *9 140    | *9 290   | *9 290    | *9 120   | *9 120    | *8 510   | 6 660     | *6 330   | 4 940     | *4 570     | *4 570    | 9.39   |
|                                                                                                            | 1.5 m         |          |           |          |           | *15 150  | 13 950    | *11 450  | 8 980     | *9 390   | 6 410     | *7 640   | 4 820     | *4 670     | 4 280     | 9.68   |
|                                                                                                            | 0 m           |          |           |          |           | *16 770  | 12 970    | *12 270  | 8 500     | *9 760   | 6 160     | *8 050   | 4 700     | *4 910     | 4 170     | 9.72   |
|                                                                                                            | -1.5 m        |          |           | *5 850   | *5 850    | *16 900  | 12 410    | *12 480  | 8 160     | *9 770   | 5 960     | *7 780   | 4 600     | *5 330     | 4 240     | 9.53   |
|                                                                                                            | -3 m          |          |           | *9 870   | *9 870    | *15 680  | 12 210    | *11 870  | 7 980     | *9 210   | 5 850     | *6 830   | 4 570     | *6 040     | 4 520     | 9.08   |
|                                                                                                            | -4.5 m        |          |           | *15 310  | *15 310   | *13 250  | 12 250    | *10 260  | 7 970     | *7 720   | 5 850     |          |           | *6 020     | 5 110     | 8.34   |
|                                                                                                            | -6 m          |          |           |          |           | *9 370   | *9 370    | *7 200   | *7 200    |          |           |          |           |            |           | 7.22   |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities.

2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.

3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.

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

# Equipment

## STANDARD EQUIPMENT

### Engine

Turbocharged, 6 stroke diesel engine with water cooling, direct injection and charged air cooler that meets Stage V requirements

Air filter with indicator

Air intake heater

Fuel filter and water separator

Fuel filler pump: 50 l/min, with automatic shut-off

Alternator, 120 A

### Electric / Electronic control system

Contronics

- Advanced mode control system

- Self-diagnostic system

Caretrack via GSM or satellite and 3yr-Caretrack subscription

Machine status indication

Engine speed sensing power control

Automatic idling system

One-touch power boost

Safety stop/start function

Adjustable LCD color monitor

Master electrical disconnect switch

Engine restart prevention circuit

High-capacity halogen or LED lights:

- Halogen: Frame-mounted 1, Boom-mounted 2

- LED: Frame-mounted 1, Boom-mounted 2

Batteries, 2 x 12 V / 170 Ah

Start motor, 24 V / 5.5 kW

### Superstructure

Counterweight: 8 450kg

Access way with handrail

Tool storage area

Punched metal anti-slip plates

Undercovers (heavy duty)

### Undercarriage

Undercovers

Hydraulic track adjusters

Greased and sealed track link

Standard track guard

### Hydraulic system

Automatic sensing hydraulic system

- Summation system

- Boom priority

- Arm priority

- Swing priority

"ECO" mode fuel saving technology

Boom, arm and bucket regeneration valves

Swing anti-rebound valves

Boom and arm holding valves

Multi-stage filtering system

Cylinder cushioning

Cylinder contamination seals

Automatic two-speed travel motors

Hydraulic oil, longlife oil 46

## STANDARD EQUIPMENT

### Cab and interior

ROPS (ISO12117-2) certified cab with fixed hatch

Silicon oil and rubber mounts with spring

Control lock out lever

Travel pedals and hand levers

Adjustable operator seat and joystick control console

Control joysticks (4 switches each or 3 switches & 1 proportional)

Heater & air-conditioner, automatic

Flexible antenna

Radio with AUX, USB Jack and Bluetooth

Cab, all-weather sound suppressed, includes:

- Cup holders

- Seat belt

- Door locks

- Tinted and safety glass

- Floor mat

- Horn

- Sun screens, front, roof, rear

- Large storage area

- Pull-up type front window

- Removable lower windshield

- Windshield wiper with intermittent feature

Side view camera

Rear view camera

Master key

### Track shoes

600 mm with triple grousers

### Digging equipment

6.2 m mono boom

3.05 m arm

Linkage

Manual centralized lubrication

### Service

Tool kit, daily maintenance

# Equipment

## OPTIONAL EQUIPMENT

### Engine

Block heater 240 V  
Auto engine shutdown  
Diesel coolant heater, 10 kW  
Water separator with heater  
Tropical cooling system  
Reversible cooling fan

### Electric / Electronic control system

Extra work lights (Halogen / LED)  
- Cab-mounted 3 (Front 2, Rear 1)  
- Counterweight-mounted 1  
Travel alarm  
Anti-theft with code lock system  
Rotating warning beacon

### Undercarriage

Narrow Long Crawler  
Full track guard  
Dozer blade  
700/800/850 mm with triple grousers  
600 mm with double grousers

### Hydraulic system

Boom float function with HRV  
Hydraulic piping:  
- Work tool management system (up to 20 programmable memories)  
- Breaker & shear, 1 or 2 pump flow  
- Slope/Rotator  
- Extra for slope & rotator  
- Grapple  
- Quick coupler  
- Oil leak (drain) line on base machine and boom  
- Pressure pre-setting  
Hydraulic oil, ISO VG 32,46  
Hydraulic oil, longlife oil 68  
Hydraulic oil, bio 46

## OPTIONAL EQUIPMENT

### Cab and interior

ROPS (ISO12117-2) certified cab with openable roof hatch  
Fabric seat without heater  
Fabric seat with heater and air suspension  
Straight travel pedal  
Cab-mounted falling object guard (FOG)  
Cab-mounted falling object protective structure (FOPS)  
Smoker kit (ashtray and lighter)  
Anti vandal kit  
Safety net for front window  
Sun shield, roof hatch (steel)  
Rain shield  
Lower wiper  
Volvo Smart View  
One piece windshield (fixed hatch)

### Digging equipment

6.2 m 2-piece boom  
2.55 m arm, 3.7 m arm  
Linkage with lifting eye

### Hydraulic quick fit

Volvo hydraulic quick coupler S2 with hook / S2 without hook  
Volvo hydraulic quick coupler Universal U35  
Volvo hydraulic steelwrist quick coupler S70

### Service

Tool kit, compact  
Spare parts kit

### Other

Demolition package:  
- Slew ring cover  
- Boom cylinder protection  
- Bucket cylinder protection  
- Heavy Duty side door & hood with screen

### Attachments

General Purpose bucket (GP)  
Heavy Duty bucket  
Tiltrotator Steelwrist

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## SELECTION OF VOLVO OPTIONAL EQUIPMENT

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**Narrow undercarriage**



**Two piece boom**



**Dozer blade**



**Reversible fan**



**Extra pedals (straight travel and X1)**



**Proportional joystick**



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



**VOLVO**

Volvo Construction Equipment  
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