

V O L V O



Volvo Excavators 35.5-39.4 t / 78,200-86,800 lb 253 hp

ECR355

Volvo Construction Equipment

ECR355

Get ready for the highest levels of productivity, performance and efficiency in short swing applications.



Outstanding visibility



- The newly designed cab significantly improves right hand, front and side visibility
- Optional one-piece windshield
- Large mirrors with electric heating
- Additional lighting on the cab, boom, and arm

A new level of performance



- 7% increase in lifting capacity
- 4% more tractive force
- Heavier counterweight
- Boom/Swing priority functions
- Auto travel boost
- Floating dozer blade

Big performance and big results

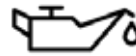
Introducing the ECR355 – the short swing radius excavator that sets a new benchmark for efficiency, performance and comfort. With 7% more fuel efficiency, 7% more lifting capacity, 4% more tractive force and 20% more in-cab space compared to traditional short swing machines, count on the ECR355 to deliver the highest levels of productivity, performance and efficiency in short swing applications.

7% more fuel efficiency



- Advanced electro-hydraulic control system with main control valve (MCV)
- Redesigned main control valve for faster hydraulic movements and more efficient use of power
- Two new electric fans
- Engine pump optimization reduces engine speed to 1,600 rpm from 1,800 rpm
- Auto power boost
- Powerful and efficient Volvo engine
- New engine work modes
- Auto idling, automatic engine shutdown

Made for uptime



- 1,000-hour engine oil change interval
- 3,000-hour hydraulic oil change
- More synchronized service intervals (all 1,000-hour multiples)
- Grouped filters and lubrication points easily accessed thanks to new right hand service access to the upper platform
- Urea tank filling from the ground level
- HVAC main filter replaced from inside the cab
- Easier, cleaner oil and filter changes: quick drain port, shut off valve, optional ground-level access oil sampling ports
- CareTrack telematics

Smart View with POC (People and Obstacle Classification)



- Combine 360° camera view with highly intelligent radar detection
- Differentiate between people and objects thanks to deep learning technology
- Enhanced real-time view of surroundings
- Automatic alerts if people or obstacles are detected

Unrivalled operator environment



- 20% more in-cab space
- 50% improved in-cab cooling performance
- Electric fans for less noise
- Two filter system for better air quality: pre filter and main filter
- Bluetooth connectivity, wireless phone charging and extensive storage
- Ergonomically designed footsteps and handrails for easy cab entrance/exit
- The tiltable left console provides more space to enter the cab
- Precision joystick system, ergonomic right-hand switch layout, customizable settings

Dig Assist for faster, easier and safer digging operations



- Powered by the in-cab Volvo Co-Pilot
- Volvo Active Control for faster, more precise digging
- Boundary limits: Depth Limit, Height Limit, Swing Fence
- 2D/3D machine control, In-Field Design and On-Board Weighing

7% more fuel efficiency

The ECR355 boasts all the power of its equivalent Volvo crawler excavator along with a 7% improvement in fuel efficiency. The ECR355 takes fuel efficiency to a new level with the redesigned main control valve which enables faster hydraulic movements and more efficient use of power, boosting overall machine performance. Additional features such as new electric fan, engine pump optimisation, auto power boost, and many other intelligent functions, combine to result in lower fuel consumption and lower operating costs.

A new level of performance

Take short swing performance to the next level. The new machine design, including heavier counterweight, unlocks a new level of performance, most notably a 7% increase in lifting capacity and 4% more tractive force. This is combined with the electro-hydraulic control system with redesigned main control valve and customized priority setting function, which enables fast cycle times and optimum efficiency out in the field. Additional functions such as auto power boost and auto travel boost further support productivity and enhance operator comfort.

Industry leading service intervals

The ECR355 boasts some of the longest service intervals in the industry, with 1,000-hour engine oil, 3,000-hour hydraulic oil changes to mention a few. More synchronized service intervals (all 1,000-hour multiples) further increase uptime and reduce costs.

Unrivalled operator comfort

The ECR355 combines a short swing radius machine with conventional machine cab, resulting in an outstanding 20% more in-cab space compared to a traditional short swing radius cab. This is complemented by a host of features designed to boost operator comfort including 50% improved in-cab cooling performance, less noise, Bluetooth connectivity, wireless phone charging and extensive storage.





Volvo ECR355 in detail

Engine

The latest generation, Volvo engine Tier4f emissions compliant diesel engine fully meets the demands of the latest, emissions regulations. Featuring Volvo Advanced Combustion Technology (V-ACT), it is designed to deliver superior performance and fuel efficiency. The engine uses precise, high pressure fuel injectors, turbo charger and air-to-air intercooler, and electronic engine controls to optimize machine performance.

- **Air Filter:** 3-stage with 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	Brand	Volvo D8M
Max power at	rpm (rps)	1,600 (26.7)
Net, ISO 9249/SAE J1349	kW (hp)	188 (252)
Gross, ISO 14396/SAE J1995	kW (hp)	189 (253)

Power output at

Operating max	rpm (rps)	1,600 (26.7)
Travel max	rpm (rps)	1,600 (26.7)
Max torque	Nm (lbf ft)	1,290 (951)
at engine speed	rpm (rps)	1,400 (23.3)
No. of cylinders		6
Displacement	lit (in ³)	7.7 (470)
Bore	mm (in)	110 (4.33)
Stroke	mm (in)	135 (5.31)

Electrical System

High-capacity electrical system that is well protected. Waterproof double-lock harness plugs are used to secure corrosion-free connections. The main relays and solenoid valves are shielded to prevent damage. 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

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

ECR355

Track shoe		2 x 48
Link pitch	mm (in)	216 (8.5)
Shoe width, triple grouser	mm (in)	600, 700, 800, 850 (24, 28, 31, 33)
Shoe width, double grouser	mm (in)	600 (24)
Bottom rollers		2 x 8
Top rollers		2 x 2

ECR355 High Walker

Track shoe		2 x 48
Link pitch	mm	216
Link pitch	in	8.5
Shoe width, triple grouser	mm (in)	600, 700, 800, 850 (24, 28, 31, 33)
Shoe width, double grouser	mm (in)	600 (24)
Bottom rollers		2 x 9
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 torque	kN/m (ft lbf)	118 (86,740)
------------------	---------------	--------------

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 (lbf)	286 (64,390)
Max. travel speed (low)	km/h (mph)	3 (1.9)
Max. travel speed (high)	km/h (mph)	4.4 (2.7)
Gradeability	°	35

Cab

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

Integrated air-conditioning and heating system: The pressurized and filtered cab air is supplied by an automatically controlled fan. The air is distributed throughout the cab from 10 vents.

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

Sound Level

Sound level in cab according to ISO 6396		
L _{pA}	dB	71
External sound level according to ISO 6395 and EU Noise Directive 2000/14/EC		
L _{WA}	dB	102

Hydraulic System

The new electro-hydraulic system and new MCV (main control valve) use intelligent technology to control on-demand flow for high productivity, high digging capacity and excellent fuel consumption.

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.

Creep mode: Lower travel speed (10%~50% of 1st full speed) can be set by creep switch on.

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

Main pump: 2 x Variable displacement axial piston pumps

Maximum flow	l/min (gal/min)	2 x 256 (2 x 68)
--------------	-----------------	------------------

Pilot pump: Gear pump

Maximum flow	l/min (gal/min)	1 x 20 (1 x 5)
--------------	-----------------	----------------

Max. pressure

Implement	MPa (psi)	33.3 - 36.3 (4,840 - 5,260)
Travel circuit	MPa (psi)	36.3 (5,260)
Slew circuit	MPa (psi)	27.9 (4,050)
Pilot circuit	MPa (psi)	3.9 (570)

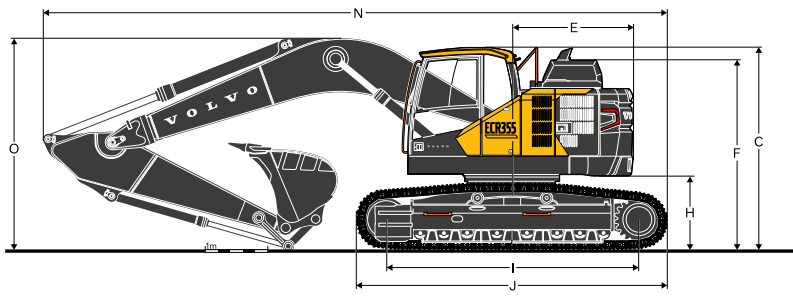
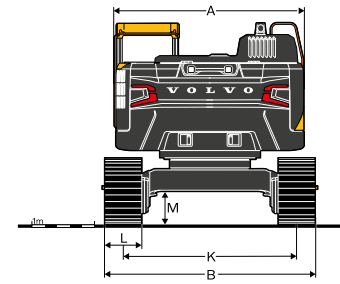
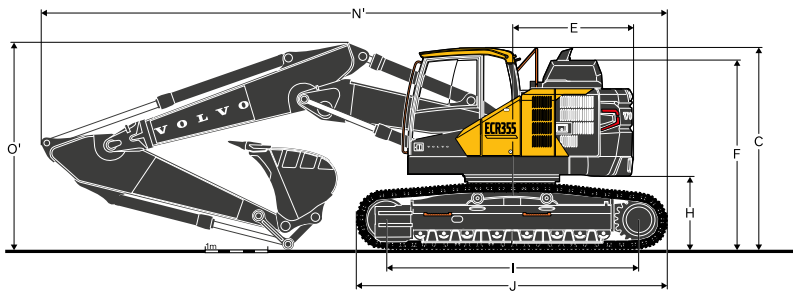
Hydraulic Cylinders

Boom		2
Bore x Stroke	ø x mm (ø x in)	145 x 1,507 (5.7 x 59.3)
2 piece boom		1
Bore x Stroke	ø x mm (ø x in)	170 x 1,300 (6.7 x 51.2)
Arm		1
Bore x Stroke	ø x mm (ø x in)	150 x 1,715 (5.9 x 67.5)
Bucket		1
Bore x Stroke	ø x mm (ø x in)	140 x 1,140 (5.5 x 44.9)
Bucket for LR boom		1
Bore x Stroke	ø x mm (ø x in)	140 x 1,140 (5.5 x 44.9)

Service Refill

Fuel tank	lit (gal.)	308 (81.4)
DEF/AdBlue® tank	lit (gal.)	11 (2.9)
Hydraulic system, total	lit (gal.)	380 (100)
Hydraulic tank	lit (gal.)	128 (33.8)
Engine oil	lit (gal.)	30 (7.9)
Engine coolant	lit (gal.)	40 (10.6)
Slew reduction unit	lit (gal.)	7.4 (2.0)
Travel reduction unit	lit (gal.)	2 x 6.8 (2 x 1.8)

Specifications

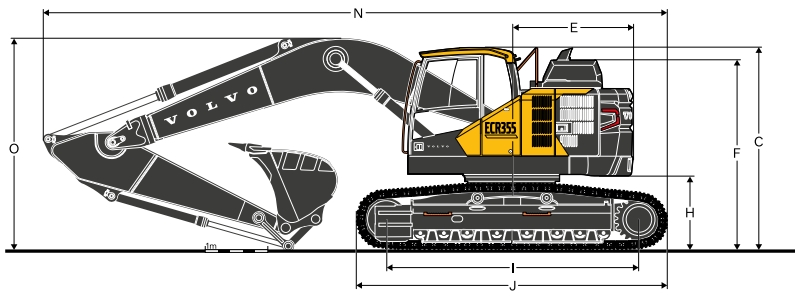
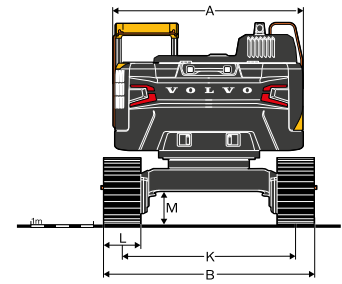
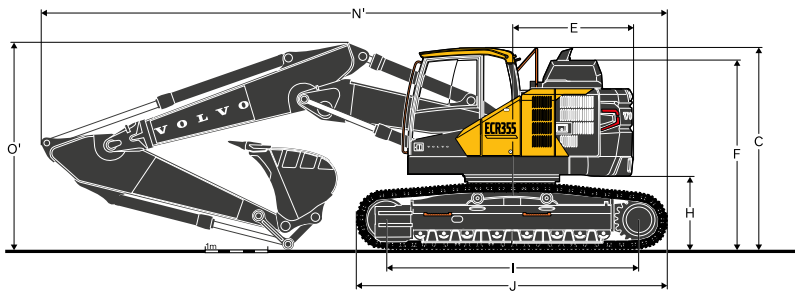


DIMENSIONS

Description	Unit		ECR355 L					
Boom			6.2 m (20'4") mono boom or 6.2 m (20'4") 2-piece boom					
Arm	m	ft in	2.55	6'7"	3.05	10'0"	3.7	12'2"
A. Overall width of upper structure	mm	ft in	3,010	9'11"	3,010	9'11"	3,010	9'11"
B. Overall width	mm	ft in	3,340	10'11"	3,340	10'11"	3,340	10'11"
C. Overall height of cab	mm	ft in	3,210	10'6"	3,210	10'6"	3,210	10'6"
D. Overall height of handrail	mm	ft in	3,210	10'6"	3,210	10'6"	3,210	10'6"
E. Tail swing radius	mm	ft in	2,040	6'8"	2,040	6'8"	2,040	6'8"
F. Overall height of engine hood	mm	ft in	3,015	9'11"	3,015	9'11"	3,015	9'11"
H. Counterweight clearance *	mm	ft in	1,175	3'10"	1,175	3'10"	1,175	3'10"
I. Tumbler length	mm	ft in	4,020	13'2"	4,020	13'2"	4,020	13'2"
J. Track length	mm	ft in	4,945	16'3"	4,945	16'3"	4,945	16'3"
K. Track gauge	mm	ft in	2,740	9'0"	2,740	9'0"	2,740	9'0"
L. Shoe width	mm	in	600	23.6	600	23.6	600	23.6
M. Min. ground clearance *	mm	in	515	20.3	515	20.3	515	20.3
N. Overall length	mm	ft in	9,950	32'8"	9,885	32'5"	9,870	32'5"
N'. Overall length	mm	ft in	9,930	32'7"	9,880	32'5"	9,815	32'2"
O. Overall height of boom	mm	ft in	3,455	11'4"	3,410	11'2"	3,710	12'2"
O'. Overall height of boom *	mm	ft in	3,425	11'3"	3,445	11'4"	3,700	12'2"

¹2 piece boom

* Without shoe grouser



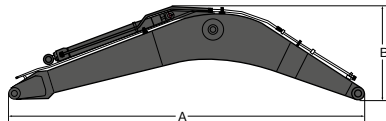
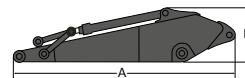
DIMENSIONS

Description	Unit		ECR355 HW					
Boom			6.2 m (20'4") mono boom or 6.2 m (20'4") 2-piece boom					
Arm	m	ft in	2.55	6'7"	3.05	10'0"	3.7	12'2"
A. Overall width of upper structure	mm	ft in	3,010	9'11"	3,010	9'11"	3,010	9'11"
B. Overall width	mm	ft in	3,500	11'6"	3,500	11'6"	3,500	11'6"
C. Overall height of cab	mm	ft in	3,460	11'4"	3,460	11'4"	3,460	11'4"
D. Overall height of handrail	mm	ft in	3,460	11'4"	3,460	11'4"	3,460	11'4"
E. Tail swing radius	mm	ft in	2,040	6'8"	2,040	6'8"	2,040	6'8"
F. Overall height of engine hood	mm	ft in	3,265	10'9"	3,265	10'9"	3,265	10'9"
H. Counterweight clearance *	mm	ft in	1,425	4'8"	1,425	4'8"	1,425	4'8"
I. Tumbler length	mm	ft in	4,020	13'2"	4,020	13'2"	4,020	13'2"
J. Track length	mm	ft in	4,995	16'5"	4,995	16'5"	4,995	16'5"
K. Track gauge	mm	ft in	2,800	9'2"	2,800	9'2"	2,800	9'2"
L. Shoe width	mm	in	700	28	700	28	700	28
M. Min. ground clearance *	mm	in	780	30.7	780	30.7	780	30.7
N. Overall length	mm	ft in	9,960	32'8"	9,880	32'5"	9,910	32'6"
N'. Overall length	mm	ft in	9,960	32'8"	9,900	32'6"	9,895	32'6"
O. Overall height of boom	mm	ft in	3,525	11'7"	3,480	11'5"	3,705	12'2"
O'. Overall height of boom *	mm	ft in	3,525	11'7"	3,525	11'7"	3,765	12'4"

¹ 2 piece boom

* Without shoe grouser

Specifications



DIMENSIONS

			Boom									Arm					
Description	Unit		6.2 m (20'4") GP		6.2 m (20'4") HD		6.2 m (20'4") 2-piece boom		Description	Unit		2.55 m (6'7") HD		3.05 m (10'0") HD		3.7 m (12'2") GP	
A. Length	mm	ft in	6,430	21'1"	6,430	21'1"	6,427	21'1"	A. Length	mm	ft in	3,710	12'2"	4,150	13'7"	4,900	16'1"
B. Height	mm	ft in	1,680	5'6"	1,680	5'6"	1,490	4'11"	B. Height	mm	ft in	1,010	3'4"	1,010	3'4"	1,005	3'4"
Width	mm	ft in	770	2'6"	770	2'6"	770	2'6"	Width	mm	ft in	545	1'9"	545	1'9"	545	1'9"
Weight	kg	lb	2,250	4,960	2,480	5,520	2,808	6,190	Weight	kg	lb	1,475	3,250	1,540	3,400	1,680	3,700
Includes cylinder, piping and pin									Includes cylinder, linkage and pin								

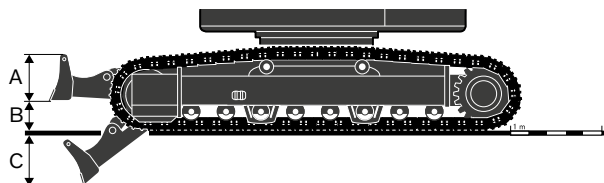
DIMENSIONS / Dozer blade

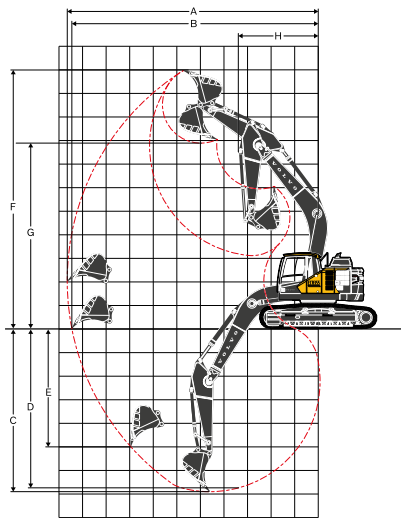
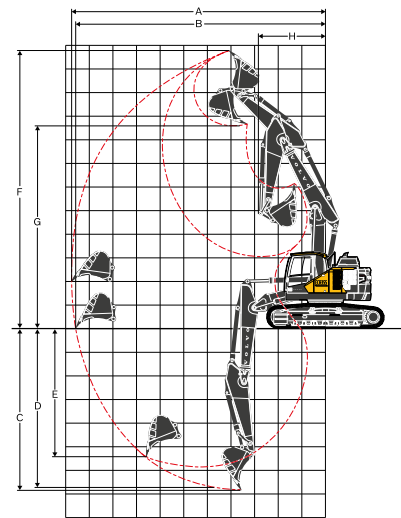
ECR355 L

A. Height	mm	ft in	744	2'5"
Width Dozer Blade	mm	ft in	3,340	10'11"
Overall width 600 mm (24")	mm	ft in	3,340	10'11"
Overall width 700 mm (28")	mm	ft in	3,440	11'3"
Overall width 800 mm (32")	mm	ft in	3,540	11'7"
Overall width 850 mm (34")	mm	ft in	3,590	11'9"
Weight	kg	lb	1,985	4,380
B. Lift height	mm	ft in	623	2'1"
C. Digging depth	mm	ft in	668	2'2"

ECR355 NL

A. Height	mm	ft in	744	2'5"
Width Dozer Blade	mm	ft in	2,990	9'10"
Overall width 600 mm (24")	mm	ft in	2,990	9'10"
Weight	kg	lb	1,946	4,290
B. Lift height	mm	ft in	623	2'1"
C. Digging depth	mm	ft in	668	2'2"





WORKING RANGES

Description	Unit		ECR355					
Boom			6.2 m mono boom					
Arm	m	ft in	2.55	6'7"	3.05	10'0"	3.7	12'2"
A. Max. digging reach	mm	ft in	10,110	33'2"	10,635	34'11"	11,240	36'11"
B. Max. digging reach on ground	mm	ft in	9,905	32'6"	10,445	34'3"	11,065	36'4"
C. Max. digging depth	mm	ft in	6,440	21'2"	6,940	22'9"	7,590	24'11"
D. Max. digging depth (l=2,440 m (8'0") level)	mm	ft in	6,239	20'6"	6,774	22'3"	7,445	24'5"
E. Max. vertical wall digging depth	mm	ft in	5,600	18'4"	6,130	20'1"	6,755	22'2"
F. Max. cutting height	mm	ft in	10,455	34'4"	10,915	35'10"	11,285	37'0"
G. Max. dumping height	mm	ft in	7,435	24'5"	7,855	25'9"	8,230	27'0"
H. Min. front swing radius	mm	ft in	3,312	10'10"	3,392	11'2"	3,367	11'1"

DIGGING FORCES WITH DIRECT FIT BUCKET

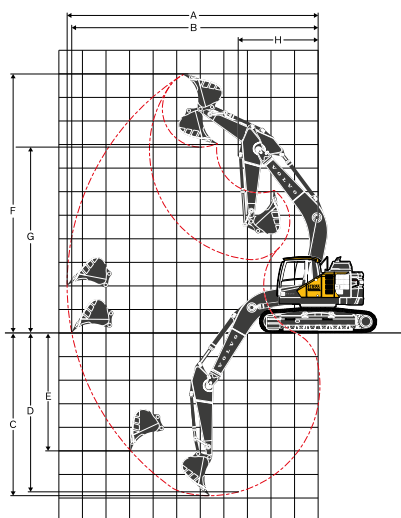
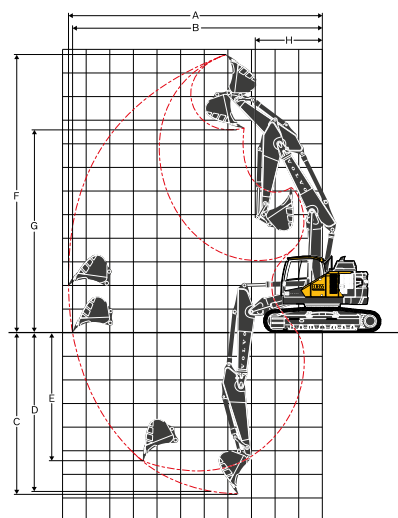
Bucket capacity			l	yd ³	1,270	1.66	1,270	1.66	1,270	1.66
Breakout force (bucket)	Normal	SAE J1179	kN	lbf	165	37,090	165	37,090	165	37,090
	Power boost	SAE J1179	kN	lbf	179	40,240	179	40,240	179	40,240
	Normal	ISO 6015	kN	lbf	192	43,160	192	43,160	192	43,160
	Power boost	ISO 6015	kN	lbf	209	46,990	209	46,990	209	46,990
Tearout force (arm)	Normal	SAE J1179	kN	lbf	148.9	33,480	133.0	29,900	116.8	26,250
	Power boost	SAE J1179	kN	lbf	161.2	36,250	144.0	32,370	126.4	28,420
	Normal	ISO 6015	kN	lbf	152.3	34,240	136.0	30,570	119.4	26,840
	Power boost	ISO 6015	kN	lbf	165.7	37,260	148.0	33,270	129.9	29,210
Rotation angle, bucket			°		179	179	179	179	179	179

Boom			6.2 m 2-piece boom					
Arm	m	ft in	2.55	6'7"	3.05	10'0"	3.7	12'2"
A. Max. digging reach	mm	ft in	10,211	33'6"	10,741	35'3"	11,356	37'3"
B. Max. digging reach on ground	mm	ft in	10,009	32'10"	10,550	34'7"	11,175	36'8"
C. Max. digging depth	mm	ft in	6,250	20'6"	6,772	22'3"	7,414	24'4"
D. Max. digging depth (l=2,440 m (8'0") level)	mm	ft in	6,145	20'2"	6,673	21'11"	7,322	24'0"
E. Max. vertical wall digging depth	mm	ft in	4,796	15'9"	5,384	17'8"	5,974	19'7"
F. Max. cutting height	mm	ft in	11,268	37'0"	11,773	38'8"	12,240	40'2"
G. Max. dumping height	mm	ft in	8,101	26'7"	8,577	28'2"	9,046	29'8"
H. Min. front swing radius	mm	ft in	2,988	9'10"	3,363	11'0"	2,913	9'7"

DIGGING FORCES WITH DIRECT FIT BUCKET

Bucket capacity			l	yd ³	1,270	1.66	1,270	1.66	1,270	1.66
Breakout force (bucket)	Normal	SAE J1179	kN	lbf	165	37,090	165	37,090	165	37,090
	Power boost	SAE J1179	kN	lbf	179	40,240	179	40,240	179	40,240
	Normal	ISO 6015	kN	lbf	192	43,160	192	43,160	192	43,160
	Power boost	ISO 6015	kN	lbf	209	46,990	209	46,990	209	46,990
Tearout force (arm)	Normal	SAE J1179	kN	lbf	148.9	33,480	133.0	29,900	116.8	26,250
	Power boost	SAE J1179	kN	lbf	161.2	36,250	144.0	32,370	126.4	28,420
	Normal	ISO 6015	kN	lbf	152.3	34,240	136.0	30,570	119.4	26,840
	Power boost	ISO 6015	kN	lbf	165.7	37,260	148.0	33,270	129.9	29,210
Rotation angle, bucket			°		179	179	179	179	179	179

Specifications



WORKING RANGES

Working Ranges

Description	Unit		ECR355 HW					
Boom			6.2 m mono boom					
Arm	m	ft in	2.55	6'7"	3.05	10'0"	3.7	12'2"
A. Max. digging reach	mm	ft in	10,110	33'2"	10,635	34'11"	11,240	36'11"
B. Max. digging reach on ground	mm	ft in	9,905	32'6"	10,445	34'3"	11,065	36'4"
C. Max. digging depth	mm	ft in	6,205	20'4"	6,705	22'0"	7,355	24'2"
D. Max.digging depth (l=2,440 m (8'0") level)	mm	ft in	6,004	19'8"	6,539	21'5"	7,210	23'8"
E. Max. vertical wall digging depth	mm	ft in	5,365	17'7"	5,895	19'4"	6,520	21'5"
F. Max. cutting height	mm	ft in	10,690	35'1"	11,150	36'7"	11,520	37'10"
G. Max. dumping height	mm	ft in	7,670	25'2"	8,090	26'7"	8,465	27'9"
H. Min. front swing radius	mm	ft in	3,312	10'10"	3,392	11'2"	3,367	11'1"
Rotation angle, bucket	°		179		179		179	
Boom			6.2 m 2-piece boom					
Arm	m	ft in	2.55	6'7"	3.05	10'0"	3.7	12'2"
A. Max. digging reach	mm	ft in	10,211	33'6"	10,741	35'3"	11,356	37'3"
B. Max. digging reach on ground	mm	ft in	10,009	32'10"	10,550	34'7"	11,175	36'8"
C. Max. digging depth	mm	ft in	6,015	19'9"	6,537	21'5"	7,179	23'7"
D. Max.digging depth (l=2,440 m (8'0") level)	mm	ft in	5,910	19'5"	6,438	21'1"	7,087	23'3"
E. Max. vertical wall digging depth	mm	ft in	4,561	15'0"	5,149	16'11"	5,739	18'10"
F. Max. cutting height	mm	ft in	11,503	37'9"	12,008	39'5"	12,475	40'11"
G. Max. dumping height	mm	ft in	8,336	27'4"	8,812	28'11"	9,281	30'5"
H. Min. front swing radius	mm	ft in	2,988	9'10"	3,363	11'0"	2,913	9'7"

MACHINE WEIGHTS AND GROUND PRESSURE - ECR355 L														
Description	Shoe width		Operating weight		Ground pressure		Overall width		Operating weight		Ground pressure		Overall width	
	mm	in	kg	lb	kPa	psi	mm	ft in	kg	lb	kPa	psi	mm	ft in
Triple grouser	600	24	35,522	78,330	66.7	9.7	3,340	10'11"	37,921	83,620	71.6	10.4	3,340	10'11"
	700	28	36,147	79,710	57.9	8.4	3,440	11'3"	38,546	84,990	61.8	9.0	3,440	11'3"
	800	32	36,535	80,560	52.0	7.5	3,540	11'7"	38,934	85,850	54.9	8.0	3,540	11'7"
	850	34	36,718	80,960	49.0	7.1	3,590	11'9"	39,117	86,250	52.0	7.5	3,590	11'9"
Double grouser	600	24	36,220	79,870	67.7	9.8	3,340	10'11"	38,619	85,150	72.6	10.5	3,340	10'11"
			6.2 m (20'4") mono boom, 2.55 m (8'4") arm, 1.27 m³ (1.66 yd³) bucket, 8,450 kg (18,630 lb) counterweight						6.2 m (20'4") mono boom, 2.55 m (8'4") arm, 1.27 m³ (1.66 yd³) bucket, 8,450 kg (18,630 lb) counterweight, with dozer blade					
Triple grouser	600	24	35,882	79,120	67.7	9.8	3,340	10'11"	38,281	84,410	71.6	10.4	3,340	10'11"
	700	28	36,507	80,500	58.8	8.5	3,440	11'3"	38,906	85,790	62.8	9.1	3,440	11'3"
	800	32	36,895	81,350	52.0	7.5	3,540	11'7"	39,294	86,640	54.9	8.0	3,540	11'7"
	850	34	37,078	81,760	49.0	7.1	3,590	11'9"	39,477	87,050	52.0	7.5	3,590	11'9"
Double grouser	600	24	36,580	80,660	68.6	10.0	3,340	10'11"	38,979	85,950	73.5	10.7	3,340	10'11"
			6.2 m (20'4") 2-piece boom, 2.55 m (8'4") arm, 1.27 m³ (1.66 yd³) bucket, 8,450 kg (18,630 lb) counterweight						6.2 m (20'4") 2-piece boom, 2.55 m (8'4") arm, 1.27 m³ (1.66 yd³) bucket, 8,450 kg (18,630 lb) counterweight, with dozer blade					
Triple grouser	600	24	35,580	78,450	66.7	9.7	3,340	10'11"	37,979	83,740	71.6	10.4	3,340	10'11"
	700	28	36,205	79,830	57.9	8.4	3,440	11'3"	38,604	85,120	61.8	9.0	3,440	11'3"
	800	32	36,593	80,690	52.0	7.5	3,540	11'7"	38,992	85,980	54.9	8.0	3,540	11'7"
	850	34	36,776	81,090	49.0	7.1	3,590	11'9"	39,175	86,380	52.0	7.5	3,590	11'9"
Double grouser	600	24	36,278	79,990	68.6	10.0	3,340	10'11"	38,677	85,280	72.6	10.5	3,340	10'11"
			6.2 m (20'4") mono boom, 3.05 m (10'0") arm, 1.27 m³ (1.66 yd³) bucket, 8,450 kg (18,630 lb) counterweight						6.2 m (20'4") mono boom, 3.05 m (10'0") arm, 1.27 m³ (1.66 yd³) bucket, 8,450 kg (18,630 lb) counterweight, with dozer blade					
Triple grouser	600	24	35,940	79,250	67.7	9.8	3,340	10'11"	38,339	84,540	71.6	10.4	3,340	10'11"
	700	28	36,565	80,630	58.8	8.5	3,440	11'3"	38,964	85,920	62.8	9.1	3,440	11'3"
	800	32	36,953	81,480	52.0	7.5	3,540	11'7"	39,352	86,770	55.9	8.1	3,540	11'7"
	850	34	37,136	81,880	49.0	7.1	3,590	11'9"	39,535	87,170	52.0	7.5	3,590	11'9"
Double grouser	600	24	36,638	80,790	68.6	10.0	3,340	10'11"	39,037	86,080	73.5	10.7	3,340	10'11"
			6.2 m (20'4") 2-piece boom, 3.05 m (10'0") arm, 1.27 m³ (1.66 yd³) bucket, 8,450 kg (18,630 lb) counterweight						6.2 m (20'4") 2-piece boom, 3.05 m (10'0") arm, 1.27 m³ (1.66 yd³) bucket, 8,450 kg (18,630 lb) counterweight, with dozer blade					
Triple grouser	600	24	35,453	78,170	66.7	9.7	3,340	10'11"	37,852	83,460	71.6	10.4	3,340	10'11"
	700	28	36,078	79,550	57.9	8.4	3,440	11'3"	38,477	84,840	61.8	9.0	3,440	11'3"
	800	32	36,466	80,410	51.0	7.4	3,540	11'7"	38,865	85,700	54.9	8.0	3,540	11'7"
	850	34	36,649	80,810	49.0	7.1	3,590	11'9"	39,048	86,100	52.0	7.5	3,590	11'9"
Double grouser	600	24	36,151	79,710	67.7	9.8	3,340	10'11"	38,550	85,000	72.6	10.5	3,340	10'11"
			6.2 m (20'4") mono boom, 3.7 m (12'2") arm, 1.27 m³ (1.66 yd³) bucket, 8,450 kg (18,630 lb) counterweight						6.2 m (20'4") mono boom, 3.7 m (12'2") arm, 1.27 m³ (1.66 yd³) bucket, 8,450 kg (18,630 lb) counterweight, with dozer blade					
Triple grouser	600	24	35,813	78,970	67.7	9.8	3,340	10'11"	38,212	84,260	71.6	10.4	3,340	10'11"
	700	28	36,438	80,350	58.8	8.5	3,440	11'3"	38,837	85,640	62.8	9.1	3,440	11'3"
	800	32	36,826	81,200	52.0	7.5	3,540	11'7"	39,225	86,490	54.9	8.0	3,540	11'7"
	850	34	37,009	81,600	49.0	7.1	3,590	11'9"	39,408	86,890	52.0	7.5	3,590	11'9"
Double grouser	600	24	36,511	80,510	68.6	10.0	3,340	10'11"	38,910	85,800	73.5	10.7	3,340	10'11"
			6.2 m (20'4") 2-piece boom, 3.7 m (12'2") arm, 1.27 m³ (1.66 yd³) bucket, 8,450 kg (18,630 lb) counterweight						6.2 m (20'4") 2-piece boom, 3.7 m (12'2") arm, 1.27 m³ (1.66 yd³) bucket, 8,450 kg (18,630 lb) counterweight, with dozer blade					

Specifications

MACHINE WEIGHTS AND GROUND PRESSURE - ECR355 HW								
Description	Shoe width		Operating weight		Ground pressure		Overall width	
Triple grouser	600	24	36,963	81,500	69.6	10.1	2,990	9'10"
	700	28	37,588	82,880	60.8	8.8	3,090	10'2"
	800	32	37,976	83,740	53.9	7.8	3,190	10'6"
	850	34	38,159	84,140	51.0	7.4	3,240	10'8"
Double grouser	600	24	37,661	83,040	70.6	10.2	2,990	9'10"
6.2 m (20'4") 2-piece boom, 3.7 m (12'2") arm, 1.27 m ³ (1.66 yd ³) bucket, 8,450 kg (18,630 lb) counterweight								

BUCKET SELECTION GUIDE

Bucket type			Capacity		Cutting width		Weight		Teeth	ECR355 L, 600 mm (24") shoe, 8,400 kg (18,519 lb) counterweight, without dozer blade						ECR355 L, 600 mm (24") shoe, 8,400 kg (18,519 lb) counterweight, with dozer blade					
										6.2 m (20'4") HD boom			6.2 m (20'4") 2-piece boom			6.2 m (20'4") HD boom			6.2 m (20'4") 2-piece boom		
			m³	yd³	mm	in	kg	lb	EA	2.55 m (8'4") arm	3.05 m (10'0") arm	3.7 m (12'2") arm	2.55 m (8'4") arm	3.05 m (10'0") arm	3.7 m (12'2") arm	2.55 m (8'4") arm	3.05 m (10'0") arm	3.7 m (12'2") arm	2.55 m (8'4") arm	3.05 m (10'0") arm	3.7 m (12'2") arm
Direct fit Buckets	Without Quick Coupler	General purpose	0.95	1.24	1,500	59.1	796	1,755	-	B	B	B	B	B	B	B	B	B	B	B	B
			1.03	1.35	1,600	63.0	835	1,841	-	B	B	B	B	B	B	B	B	B	B	B	B
			0.55	0.72	600	23.6	881	1,942	3	C	C	C	C	C	C	C	C	C	C	C	C
			0.66	0.86	750	29.5	928	2,046	3	C	C	C	C	C	C		C	C	C	C	C
			0.77	1.01	900	35.4	996	2,196	4	C	C	C	C	C	C	C	C	C	C	C	C
			0.95	1.24	1,050	41.3	1,018	2,244	4	C	C	C	C	C	C	C	C	C	C	C	C
			1.14	1.49	1,200	47.2	1,187	2,617	5	C	C	C	C	C	C	C	C	C	C	C	C
			1.27	1.66	1,310	51.6	1,191	2,626	5	C	C	C	C	C	C	C	C	C	C	C	C
			1.32	1.73	1,350	53.1	1,267	2,793	5	C	C	C	C	C	C	C	C	C	C	C	C
			1.45	1.9	1,450	57.1	1,263	2,784	5	C	C	C	C	C	C	C	C	C	C	C	C
			1.51	1.98	1,500	59.1	1,365	3,009	5	C	C	C	C	C	C	C	C	C	C	C	C
			1.76	2.3	1,700	66.9	1,448	3,192	6	C	C	C	C	C	B	C	C	C	C	C	C
			2.06	2.69	1,950	76.8	1,590	3,505	6	C	B	A	C	B	A	C	C	C	C	C	C
	Heavy Duty	0.66	0.86	750	29.5	1,000	2,205	3	D	D	D	D	D	D	D	D	D	D	D	D	
		1.14	1.49	1,200	47.2	1,294	2,853	5	D	D	D	D	D	D	D	D	D	D	D	D	
		1.32	1.73	1,350	53.1	1,381	3,045	5	D	D	D	D	D	D	D	D	D	D	D	D	
		1.51	1.98	1,500	59.1	1,477	3,256	5	D	D	D	D	D	C	D	D	D	D	D	D	

Maximum material density

A: 1,200~1,300 kg/m ³ (2,000~2,200 lb/yd ³)	Coal, Caliche, Shale
B: 1,400~1,600 kg/m ³ (2,350~2,700 lb/yd ³)	Wet earth and clay, Limestone, Sandstone
C: 1,700~1,800 kg/m ³ (2,865~3,100 lb/yd ³)	Granite, Wet sand, Well blasted rock
D: 1,900 kg/m ³ ~ (3,200 lb/yd ³ ~)	Wet mud, Iron ore

LIFTING CAPACITY - ECR355 L

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 (5 ft)		3 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Max. reach		
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.
Boom : 6.2 m (20'4") Arm : 2.55 m (8'4") Shoe : 600 mm (24") L/Frame: LC	7.5 m							*9,120	8,750					*8,770	7,730	6.45 m
	25 ft							*20,220	18,770					*19,450	17,530	20.8 ft
	6 m					*10,480	*10,480	*9,420	8,630					*8,420	5,990	7.49 m
	20 ft					*22,700	*22,700	*20,580	18,590					*18,590	13,370	24.4 ft
	4.5 m					*13,090	13,010	*10,540	8,310	8,990	5,880			7,880	5,150	8.13 m
	15 ft					*28,160	28,060	*22,870	17,920	19,340	12,660			17,460	11,420	26.6 ft
	3 m					*16,300	12,060	*11,980	7,910	8,790	5,700			7,290	4,740	8.46 m
	10 ft					*35,050	26,040	*25,950	17,080	18,930	12,290			16,110	10,470	27.7 ft
	1.5 m					*17,830	11,430	12,080	7,570	8,600	5,520			7,130	4,600	8.51 m
	5 ft					*39,750	24,630	26,000	16,340	18,530	11,910			15,720	10,160	27.9 ft
	0 m					*18,800	11,210	11,850	7,370	8,470	5,410			7,340	4,720	8.29 m
	0 ft					*40,770	24,120	25,500	15,890	18,260	11,670			16,180	10,400	27.2 ft
	-1.5 m			*12,210	*12,210	*18,060	11,210	11,790	7,310	8,450	5,390			8,040	5,140	7.77 m
	-5 ft			*27,880	*27,880	*39,220	24,110	25,360	15,770	18,220	11,640			17,770	11,370	25.5 ft
	-3 m			*21,380	*21,380	*16,250	11,360	11,890	7,400					9,670	6,140	6.89 m
	-10 ft			*46,470	*46,470	*35,180	24,450	25,590	15,970					21,500	13,650	22.5 ft
	-4.5 m					*12,590	11,720							*10,050	8,770	5.47 m
	-15 ft					*26,790	25,260							*22,070	19,830	17.7 ft
Boom : 6.2 m (20'4") Arm : 3.05 m (10'0") Shoe : 600 mm (24") L/Frame: LC	9 m													*6,840	*6,840	5.63 m
	30 ft													*15,350	*15,350	17.8 ft
	7.5 m							*8,240	*8,240					*6,090	*6,090	7.13 m
	25 ft							*18,210	*18,210					*13,500	*13,500	23.1 ft
	6 m							*8,690	*8,690	*8,280	6,080			*5,820	5,330	8.09 m
	20 ft							*18,980	18,850	*17,190	13,050			*12,840	11,880	26.4 ft
	4.5 m					*11,930	*11,930	*9,870	8,420	*8,830	5,940			*5,810	4,660	8.68 m
	15 ft			*36,000	*36,000	*25,690	*25,690	*21,420	18,160	*19,300	12,790			*12,780	10,340	28.4 ft
	3 m					*15,200	12,310	*11,400	8,000	8,840	5,740			*5,990	4,320	8.99 m
	10 ft					*32,710	26,570	*24,700	17,270	19,030	12,370			*13,180	9,550	29.5 ft
	1.5 m					*17,750	11,560	12,150	7,620	8,620	5,540	6,550	4,230	*6,390	4,210	9.04 m
	5 ft					*38,330	24,920	26,130	16,440	18,560	11,940			*14,070	9,280	29.7 ft
	0 m					*18,730	11,210	11,860	7,370	8,460	5,390			6,670	4,290	8.83 m
	0 ft					*40,590	24,140	25,510	15,890	18,220	11,630			14,720	9,470	29.0 ft
	-1.5 m			*11,230	*11,230	*18,440	11,140	11,740	7,270	8,390	5,330			7,220	4,620	8.35 m
	-5 ft			*25,520	*25,520	*40,000	23,960	25,250	15,670	18,080	11,500			15,940	10,210	27.3 ft
	-3 m			*18,610	*18,610	*17,040	11,230	11,780	7,300	8,470	5,400			8,410	5,370	7.53 m
	-10 ft			*42,330	*42,330	*36,910	24,170	25,350	15,750					18,680	11,910	24.6 ft
	-4.5 m			*18,910	*18,910	*14,120	11,510	*10,330	7,530					*9,590	7,100	6.27 m
	-15 ft			*40,660	*40,660	*30,270	24,800	*21,720	16,290					*21,110	15,970	20.3 ft
Boom : 6.2 m (20'4") Arm : 3.7 m (12'2") Shoe : 600 mm (24") L/Frame: LC	9 m							*6,600	*6,600					*5,250	*5,250	6.57 m
	30 ft							*13,690	*13,690					*11,740	*11,740	21.0 ft
	7.5 m									*6,020	*6,020			*4,760	*4,760	7.89 m
	25 ft									*12,110	*12,110			*10,560	*10,560	25.6 ft
	6 m							*7,680	*7,680	*7,330	6,170			*4,570	*4,570	8.77 m
	20 ft							*16,800	*16,800	*15,800	13,270			*10,100	*10,100	28.6 ft
	4.5 m					*9,840	*9,840	*8,910	8,560	*8,120	6,000	*6,010	4,430	*4,560	4,170	9.32 m
	15 ft					*21,080	*21,080	*19,350	18,460	*17,740	12,930	*11,810	9,520	*10,040	9,230	30.5 ft
	3 m					*13,650	12,630	*10,530	8,110	8,890	5,770	6,670	4,330	*4,680	3,880	9.6 m
	10 ft					*29,380	27,230	*22,820	17,490	19,130	12,440	14,340	9,310	*10,310	8,580	31.5 ft
	1.5 m					*16,640	11,730	*12,120	7,670	8,630	5,540	6,540	4,210	*4,960	3,780	9.65 m
	5 ft					*35,920	25,280	*26,250	16,550	18,580	11,940	14,080	9,070	*10,920	8,340	31.7 ft
	0 m			*6,600	*6,600	*18,290	11,210	11,850	7,350	8,430	5,350	6,430	4,120	*5,440	3,830	9.45 m
	0 ft			*15,110	*15,110	*39,600	24,130	25,490	15,860	18,140	11,540	13,870	8,870	*11,990	8,460	31.0 ft
	-1.5 m	*6,600	*6,600	*10,580	*10,580	*18,580	11,020	11,660	7,190	8,310	5,250	*6,270	4,080	*6,230	4,080	9.0 m
	-5 ft	*14,770	*14,770	*24,000	*24,000	*40,290	23,700	25,080	15,490	17,900	11,310			*13,760	9,010	29.5 ft
	-3 m	*11,070	*11,070	*15,950	*15,950	*17,740	11,030	11,630	7,160	8,310	5,240			7,260	4,620	8.26 m
	-10 ft	*24,850	*24,850	*36,220	*36,220	*38,420	23,740	25,030	15,440	17,910	11,330			16,090	10,250	27.0 ft
	-4.5 m			*21,630	*21,630	*15,580	11,230	*11,670	7,290					*9,110	5,780	7.13 m
	-15 ft			*46,630	*46,630	*33,540	24,180	*24,980	15,750					*20,090	12,930	23.2 ft

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

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

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

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

Specifications

LIFTING CAPACITY - ECR355 L

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 (5 ft)		3 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Max. reach		
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.
Boom : 6.2 m (20'4") Arm : 2.55 m (8'4") Shoe : 700 mm (28") L/Frame: LC	7.5 m							*9,120	8,900					*8,770	7,870	6.4 m
	25 ft							*20,220	19,100					*19,450	17,840	20.8 ft
	6 m					*10,480	*10,480	*9,420	8,780					*8,420	6,100	7.5 m
	20 ft					*22,700	*22,700	*20,580	18,920					*18,590	13,620	24.4 ft
	4.5 m					*13,090	*13,090	*10,540	8,460	9,170	5,990			8,030	5,250	8.1 m
	15 ft					*28,160	*28,160	*22,870	18,250	19,720	12,900			17,810	11,650	26.6 ft
	3 m					*16,300	12,290	*11,980	8,060	8,970	5,810			7,440	4,840	8.5 m
	10 ft					*35,050	26,530	*25,950	17,410	19,310	12,530			16,440	10,690	27.7 ft
	1.5 m					*17,830	11,660	12,330	7,720	8,780	5,640			7,280	4,700	8.5 m
	5 ft					*39,750	25,120	26,530	16,670	18,910	12,160			16,050	10,370	27.9 ft
	0 m					*18,800	11,440	12,100	7,520	8,650	5,520			7,490	4,820	8.3 m
	0 ft					*40,770	24,610	26,020	16,220	18,640	11,910			16,520	10,630	27.2 ft
	-1.5 m			*12,210	*12,210	*18,060	11,440	12,030	7,460	8,630	5,500			8,210	5,250	7.8 m
	-5 ft			*27,880	*27,880	*39,220	24,600	25,880	16,100	18,600	11,880			18,140	11,610	25.5 ft
	-3 m			*21,380	*21,380	*16,250	11,590	12,130	7,550					9,870	6,270	6.9 m
	-10 ft			*46,470	*46,470	*35,180	24,940	26,110	16,300					21,940	13,930	22.5 ft
	-4.5 m					*12,590	11,950							*10,050	8,940	5.5 m
	-15 ft					*26,790	25,750							*22,070	20,220	17.7 ft
Boom : 6.2 m (20'4") Arm : 3.05 m (10'0") Shoe : 700 mm (28") L/Frame: LC	9 m													*6,840	*6,840	5.6 m
	30 ft													*15,350	*15,350	17.8 ft
	7.5 m							*8,240	*8,240					*6,090	*6,090	7.1 m
	25 ft							*18,210	*18,210					*13,500	*13,500	23.1 ft
	6 m							*8,690	*8,690	*8,280	6,190			*5,820	5,430	8.1 m
	20 ft							*18,980	*18,980	*17,190	13,300			*12,840	12,110	26.4 ft
	4.5 m					*11,930	*11,930	*9,870	8,570	*8,830	6,050			*5,810	4,760	8.7 m
	15 ft			*36,000	*36,000	*25,690	*25,690	*21,420	18,490	*19,300	13,040			*12,780	10,550	28.4 ft
	3 m					*15,200	12,540	*11,400	8,160	9,020	5,850			*5,990	4,420	9.0 m
	10 ft					*32,710	27,060	*24,700	17,600	19,410	12,610			*13,180	9,760	29.5 ft
	1.5 m					*17,750	11,790	12,390	7,770	8,800	5,650	6,690	4,320	*6,390	4,300	9.0 m
	5 ft					*38,330	25,410	26,660	16,770	18,950	12,190			*14,070	9,480	29.7 ft
	0 m					*18,730	11,440	12,100	7,520	8,630	5,500			6,820	4,380	8.8 m
	0 ft					*40,590	24,630	26,040	16,220	18,600	11,870			15,040	9,670	29.0 ft
	-1.5 m			*11,230	*11,230	*18,440	11,360	11,980	7,420	8,570	5,440			7,370	4,720	8.3 m
	-5 ft			*25,520	*25,520	*40,000	24,450	25,780	16,000	18,470	11,750			16,280	10,440	27.3 ft
	-3 m			*18,610	*18,610	*17,040	11,460	12,030	7,450	8,640	5,510			8,590	5,480	7.5 m
	-10 ft			*42,330	*42,330	*36,910	24,660	25,880	16,080					19,070	12,160	24.6 ft
	-4.5 m			*18,910	*18,910	*14,120	11,740	*10,330	7,680					*9,590	7,250	6.3 m
	-15 ft			*40,660	*40,660	*30,270	25,290	*21,720	16,620					*21,110	16,290	20.3 ft
Boom : 6.2 m (20'4") Arm : 3.7 m (12'2") Shoe : 700 mm (28") L/Frame: LC	9 m							*6,600	*6,600					*5,250	*5,250	6.6 m
	30 ft							*13,690	*13,690					*11,740	*11,740	21.0 ft
	7.5 m									*6,020	*6,020			*4,760	*4,760	7.9 m
	25 ft									*12,110	*12,110			*10,560	*10,560	25.6 ft
	6 m							*7,680	*7,680	*7,330	6,290			*4,570	*4,570	8.8 m
	20 ft							*16,800	*16,800	*15,800	13,520			*10,100	*10,100	28.6 ft
	4.5 m					*9,840	*9,840	*8,910	8,710	*8,120	6,120	*6,010	4,530	*4,560	4,250	9.3 m
	15 ft					*21,080	*21,080	*19,350	18,780	*17,740	13,180	*11,810	9,720	*10,040	9,430	30.5 ft
	3 m					*13,650	12,850	*10,530	8,260	*8,970	5,890	6,800	4,420	*4,680	3,970	9.6 m
	10 ft					*29,380	27,720	*22,820	17,820	19,520	12,690	14,640	9,510	*10,310	8,770	31.5 ft
	1.5 m					*16,640	11,960	*12,120	7,830	8,810	5,650	6,680	4,300	*4,960	3,860	9.6 m
	5 ft					*35,920	25,770	*26,250	16,880	18,970	12,190	14,380	9,270	*10,920	8,520	31.7 ft
	0 m			*6,600	*6,600	*18,290	11,440	12,100	7,510	8,600	5,470	6,570	4,210	*5,440	3,920	9.5 m
	0 ft			*15,110	*15,110	*39,600	24,620	26,020	16,180	18,530	11,790	14,170	9,070	*11,990	8,650	31.0 ft
	-1.5 m	*6,600	*6,600	*10,580	*10,580	*18,580	11,240	11,910	7,340	8,490	5,360	*6,270	4,170	*6,230	4,170	9.0 m
	-5 ft	*14,770	*14,770	*24,000	*24,000	*40,290	24,190	25,600	15,820	18,280	11,560			*13,760	9,220	29.5 ft
	-3 m	*11,070	*11,070	*15,950	*15,950	*17,740	11,260	11,880	7,310	8,480	5,360			7,410	4,720	8.3 m
	-10 ft	*24,850	*24,850	*36,220	*36,220	*38,420	24,230	25,550	15,770	18,290	11,570			16,440	10,470	27.0 ft
	-4.5 m			*21,630	*21,630	*15,580	11,460	*11,670	7,440					*9,110	5,900	7.1 m
	-15 ft			*46,630	*46,630	*33,540	24,670	*24,980	16,080					*20,090	13,200	23.2 ft

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

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

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

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

LIFTING CAPACITY - ECR355 L

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 (5 ft)		3 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Max. reach		
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.
Boom : 6.2 m (20'4") Arm : 2.55 m (8'4") Shoe : 800 mm (32") L/Frame: LC	7.5 m							*9,120	9,000					*8,770	7,960	6.4 m
	25 ft							*20,220	19,300					*19,450	18,040	20.8 ft
	6 m					*10,480	*10,480	*9,420	8,880					*8,420	6,170	7.5 m
	20 ft					*22,700	*22,700	*20,580	19,120					*18,590	13,780	24.4 ft
	4.5 m					*13,090	*13,090	*10,540	8,560	9,280	6,060			8,130	5,320	8.1 m
	15 ft					*28,160	*28,160	*22,870	18,460	19,960	13,060			18,030	11,790	26.6 ft
	3 m					*16,300	12,430	*11,980	8,160	9,080	5,880			7,540	4,900	8.5 m
	10 ft					*35,050	26,830	*25,950	17,610	19,550	12,690			16,650	10,830	27.7 ft
	1.5 m					*17,830	11,800	12,480	7,820	8,890	5,710			7,370	4,760	8.5 m
	5 ft					*39,750	25,430	26,850	16,870	19,150	12,310			16,250	10,510	27.9 ft
	0 m					*18,800	11,580	12,250	7,620	8,760	5,590			7,590	4,880	8.3 m
	0 ft					*40,770	24,920	26,350	16,430	18,870	12,070			16,740	10,770	27.2 ft
	-1.5 m			*12,210	*12,210	*18,060	11,580	12,180	7,560	8,740	5,570			8,320	5,320	7.8 m
	-5 ft			*27,880	*27,880	*39,220	24,910	26,210	16,300	18,840	12,040			18,370	11,760	25.5 ft
	-3 m			*21,380	*21,380	*16,250	11,730	12,280	7,650					9,990	6,350	6.9 m
	-10 ft			*46,470	*46,470	*35,180	25,250	26,440	16,510					22,220	14,110	22.5 ft
	-4.5 m					*12,590	12,090							*10,050	9,040	5.5 m
	-15 ft					*26,790	26,060							*22,070	20,460	17.7 ft
Boom : 6.2 m (20'4") Arm : 3.05 m (10'0") Shoe : 800 mm (32") L/Frame: LC	9 m													*6,840	*6,840	5.6 m
	30 ft													*15,350	*15,350	17.8 ft
	7.5 m							*8,240	*8,240					*6,090	*6,090	7.1 m
	25 ft							*18,210	*18,210					*13,500	*13,500	23.1 ft
	6 m							*8,690	*8,690	*8,280	6,260			*5,820	5,500	8.1 m
	20 ft							*18,980	*18,980	*17,190	13,460			*12,840	12,250	26.4 ft
	4.5 m					*11,930	*11,930	*9,870	8,670	*8,830	6,120			*5,810	4,820	8.7 m
	15 ft			*36,000	*36,000	*25,690	*25,690	*21,420	18,690	*19,300	13,190			*12,780	10,680	28.4 ft
	3 m					*15,200	12,680	*11,400	8,250	9,130	5,920			*5,990	4,470	9.0 m
	10 ft					*32,710	27,360	*24,700	17,800	19,650	12,770			*13,180	9,880	29.5 ft
	1.5 m					*17,750	11,930	12,540	7,870	8,910	5,720	6,780	4,380	*6,390	4,350	9.0 m
	5 ft					*38,330	25,710	26,980	16,980	19,180	12,340			*14,070	9,610	29.7 ft
	0 m					*18,730	11,580	12,250	7,620	8,740	5,570			6,910	4,440	8.8 m
	0 ft					*40,590	24,930	26,360	16,430	18,840	12,030			15,230	9,800	29.0 ft
	-1.5 m			*11,230	*11,230	*18,440	11,500	12,140	7,510	8,680	5,510			7,460	4,790	8.3 m
	-5 ft			*25,520	*25,520	*40,000	24,750	26,100	16,200	18,700	11,900			16,490	10,570	27.3 ft
	-3 m			*18,610	*18,610	*17,040	11,600	12,180	7,550	8,750	5,580			8,700	5,550	7.5 m
	-10 ft			*42,330	*42,330	*36,910	24,960	26,200	16,290					19,310	12,320	24.6 ft
	-4.5 m			*18,910	*18,910	*14,120	11,880	*10,330	7,770					*9,590	7,340	6.3 m
	-15 ft			*40,660	*40,660	*30,270	25,590	*21,720	16,830					*21,110	16,490	20.3 ft
Boom : 6.2 m (20'4") Arm : 3.7 m (12'2") Shoe : 800 mm (32") L/Frame: LC	9 m							*6,600	*6,600					*5,250	*5,250	6.6 m
	30 ft							*13,690	*13,690					*11,740	*11,740	21.0 ft
	7.5 m									*6,020	*6,020			*4,760	*4,760	7.9 m
	25 ft									*12,110	*12,110			*10,560	*10,560	25.6 ft
	6 m							*7,680	*7,680	*7,330	6,360			*4,570	*4,570	8.8 m
	20 ft							*16,800	*16,800	*15,800	13,670			*10,100	*10,100	28.6 ft
	4.5 m					*9,840	*9,840	*8,910	8,810	*8,120	6,190	*6,010	4,580	*4,560	4,310	9.3 m
	15 ft					*21,080	*21,080	*19,350	18,990	*17,740	13,330	*11,810	9,840	*10,040	9,550	30.5 ft
	3 m					*13,650	13,000	*10,530	8,360	*8,970	5,960	6,890	4,480	*4,680	4,020	9.6 m
	10 ft					*29,380	28,020	*22,820	18,030	*19,530	12,840	14,830	9,640	*10,310	8,890	31.5 ft
	1.5 m					*16,640	12,100	*12,120	7,920	8,920	5,720	6,760	4,360	*4,960	3,920	9.6 m
	5 ft					*35,920	26,070	*26,250	17,080	19,200	12,340	14,560	9,390	*10,920	8,640	31.7 ft
	0 m			*6,600	*6,600	*18,290	11,580	12,250	7,600	8,710	5,540	6,660	4,260	*5,440	3,970	9.5 m
	0 ft			*15,110	*15,110	*39,600	24,930	26,340	16,390	18,760	11,940	14,350	9,190	*11,990	8,770	31.0 ft
	-1.5 m	*6,600	*6,600	*10,580	*10,580	*18,580	11,380	12,060	7,430	8,600	5,430	*6,270	4,230	*6,230	4,230	9.0 m
	-5 ft	*14,770	*14,770	*24,000	*24,000	*40,290	24,490	25,930	16,020	18,520	11,720			*13,760	9,340	29.5 ft
	-3 m	*11,070	*11,070	*15,950	*15,950	*17,740	11,400	12,030	7,410	8,590	5,430			7,510	4,790	8.3 m
	-10 ft	*24,850	*24,850	*36,220	*36,220	*38,420	24,530	25,880	15,970	18,530	11,730			16,650	10,610	27.0 ft
	-4.5 m			*21,630	*21,630	*15,580	11,600	*11,670	7,540					*9,110	5,980	7.1 m
	-15 ft			*46,630	*46,630	*33,540	24,980	*24,980	16,280					*20,090	13,370	23.2 ft

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

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

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

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

Specifications

LIFTING CAPACITY - ECR355 L

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 (5 ft)		3 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Max. reach		
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.
Boom : 6.2 m (20'4") Arm : 2.55 m (8'4") Shoe : 850 mm (34") L/Frame: LC	7.5 m							*9,120	9,040					*8,770	8,000	6.4 m
	25 ft							*20,220	19,400					*19,450	18,130	20.8 ft
	6 m					*10,480	*10,480	*9,420	8,920					*8,420	6,200	7.5 m
	20 ft					*22,700	*22,700	*20,580	19,220					*18,590	13,850	24.4 ft
	4.5 m					*13,090	*13,090	*10,540	8,600	9,330	6,100			8,180	5,350	8.1 m
	15 ft					*28,160	*28,160	*22,870	18,550	20,070	13,130			18,130	11,860	26.6 ft
	3 m					*16,300	12,500	*11,980	8,200	9,130	5,920			7,580	4,930	8.5 m
	10 ft					*35,050	26,970	*25,950	17,710	19,660	12,760			16,750	10,890	27.7 ft
	1.5 m					*17,830	11,860	12,550	7,860	8,940	5,740			7,410	4,790	8.5 m
	5 ft					*39,750	25,570	27,010	16,970	19,260	12,390			16,350	10,570	27.9 ft
	0 m					*18,800	11,640	12,320	7,660	8,810	5,630			7,630	4,910	8.3 m
	0 ft					*40,770	25,060	26,500	16,520	18,990	12,140			16,840	10,830	27.2 ft
	-1.5 m			*12,210	*12,210	*18,060	11,650	12,250	7,600	8,790	5,600			8,360	5,350	7.8 m
	-5 ft			*27,880	*27,880	*39,220	25,050	26,360	16,400	18,950	12,110			18,480	11,830	25.5 ft
	-3 m			*21,380	*21,380	*16,250	11,800	12,350	7,690					10,050	6,380	6.9 m
	-10 ft			*46,470	*46,470	*35,180	25,390	26,590	16,600					22,350	14,190	22.5 ft
	-4.5 m					*12,590	12,150							*10,050	9,090	5.5 m
	-15 ft					*26,790	26,200							*22,070	20,580	17.7 ft
Boom : 6.2 m (20'4") Arm : 3.05 m (10'0") Shoe : 850 mm (34") L/Frame: LC	9 m													*6,840	*6,840	5.6 m
	30 ft													*15,350	*15,350	17.8 ft
	7.5 m							*8,240	*8,240					*6,090	*6,090	7.1 m
	25 ft							*18,210	*18,210					*13,500	*13,500	23.1 ft
	6 m							*8,690	*8,690	*8,280	6,300			*5,820	5,530	8.1 m
	20 ft							*18,980	*18,980	*17,190	13,530			*12,840	12,320	26.4 ft
	4.5 m					*11,930	*11,930	*9,870	8,710	*8,830	6,160			*5,810	4,850	8.7 m
	15 ft			*36,000	*36,000	*25,690	*25,690	*21,420	18,790	*19,300	13,260			*12,780	10,740	28.4 ft
	3 m					*15,200	12,750	*11,400	8,290	9,180	5,960			*5,990	4,500	9.0 m
	10 ft					*32,710	27,510	*24,700	17,900	19,760	12,840			*13,180	9,940	29.5 ft
	1.5 m					*17,750	12,000	12,610	7,910	8,960	5,760	*6,780	4,410	*6,390	4,380	9.0 m
	5 ft					*38,330	25,860	27,140	17,070	19,300	12,410			*14,070	9,670	29.7 ft
	0 m					*18,730	11,650	12,330	7,660	8,800	5,610			6,950	4,470	8.8 m
	0 ft					*40,590	25,070	26,520	16,520	18,950	12,100			15,320	9,860	29.0 ft
	-1.5 m			*11,230	*11,230	*18,440	11,570	12,210	7,560	8,730	5,550			7,510	4,810	8.3 m
	-5 ft			*25,520	*25,520	*40,000	24,890	26,260	16,300	18,810	11,980			16,590	10,640	27.3 ft
	-3 m			*18,610	*18,610	*17,040	11,670	12,250	7,590	8,800	5,620			8,750	5,580	7.5 m
	-10 ft			*42,330	*42,330	*36,910	25,110	26,360	16,380					19,420	12,400	24.6 ft
	-4.5 m			*18,910	*18,910	*14,120	11,950	*10,330	7,820					*9,590	7,380	6.3 m
	-15 ft			*40,660	*40,660	*30,270	25,730	*21,720	16,920					*21,110	16,580	20.3 ft
Boom : 6.2 m (20'4") Arm : 3.7 m (12'2") Shoe : 850 mm (34") L/Frame: LC	9 m							*6,600	*6,600					*5,250	*5,250	6.6 m
	30 ft							*13,690	*13,690					*11,740	*11,740	21.0 ft
	7.5 m									*6,020	*6,020			*4,760	*4,760	7.9 m
	25 ft									*12,110	*12,110			*10,560	*10,560	25.6 ft
	6 m							*7,680	*7,680	*7,330	6,390			*4,570	*4,570	8.8 m
	20 ft							*16,800	*16,800	*15,800	13,740			*10,100	*10,100	28.6 ft
	4.5 m					*9,840	*9,840	*8,910	8,850	*8,120	6,220	*6,010	4,610	*4,560	4,330	9.3 m
	15 ft					*21,080	*21,080	*19,350	19,080	*17,740	13,400	*11,810	9,900	*10,040	9,600	30.5 ft
	3 m					*13,650	13,060	*10,530	8,400	*8,970	5,990	6,930	4,510	*4,680	4,050	9.6 m
	10 ft					*29,380	28,160	*22,820	18,120	*19,530	12,910	14,910	9,690	*10,310	8,940	31.5 ft
	1.5 m					*16,640	12,170	*12,120	7,970	8,970	5,760	6,800	4,390	*4,960	3,940	9.6 m
	5 ft					*35,920	26,220	*26,250	17,180	19,320	12,410	14,650	9,450	*10,920	8,690	31.7 ft
	0 m			*6,600	*6,600	*18,290	11,650	12,320	7,650	8,760	5,570	6,700	4,290	*5,440	4,000	9.5 m
	0 ft			*15,110	*15,110	*39,600	25,070	26,500	16,480	18,880	12,010	14,440	9,250	*11,990	8,820	31.0 ft
	-1.5 m	*6,600	*6,600	*10,580	*10,580	*18,580	11,450	12,130	7,480	8,650	5,460	*6,270	4,260	*6,230	4,260	9.0 m
	-5 ft	*14,770	*14,770	*24,000	*24,000	*40,290	24,630	26,080	16,120	18,630	11,790			*13,760	9,400	29.5 ft
	-3 m	*11,070	*11,070	*15,950	*15,950	*17,740	11,470	12,100	7,450	8,650	5,460			7,560	4,820	8.3 m
	-10 ft	*24,850	*24,850	*36,220	*36,220	*38,420	24,670	26,030	16,070	18,640	11,800			16,750	10,680	27.0 ft
	-4.5 m			*21,630	*21,630	*15,580	11,670	*11,670	7,580					*9,110	6,010	7.1 m
	-15 ft			*46,630	*46,630	*33,540	25,120	*24,980	16,380					*20,090	13,450	23.2 ft

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

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

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

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

LIFTING CAPACITY - ECR355 HW

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 (5 ft)		3 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Max. reach		
		Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Max.
Boom : 6.2 m (20'4") 2 piece boom Arm : 3.7 m (12'2") Shoe : 850 mm (34") L/Frame: HW	10.5 m					*6,920	*6,920							*6,780	*6,780	4.55 m
	35 ft															
	9 m							*6,900	*6,900					*5,380	*5,380	6.67 m
	30 ft							*14,550	*14,550					*12,030	*12,030	21.4 ft
	7.5 m							*7,210	*7,210	*6,330	*6,330			*4,850	*4,850	7.98 m
	25 ft							*15,900	*15,900	*12,970	*12,970			*10,750	*10,750	25.9 ft
	6 m							*7,530	*7,530	*7,390	6,610			*4,620	*4,620	8.85 m
	20 ft							*16,560	*16,560	*16,010	14,210			*10,210	*10,210	28.9 ft
	4.5 m			*9,140	*9,140	*9,290	*9,290	*9,120	*9,120	*8,510	6,430	*6,330	4,750	*4,570	4,400	9.39 m
	15 ft					*19,940	*19,940	*19,790	19,760	*18,430	13,840	*12,650	10,190	*10,090	9,740	30.8 ft
	3 m					*16,440	13,480	*12,450	8,670	9,590	6,180	7,200	4,640	*4,670	4,110	9.68 m
	10 ft					*35,510	29,080	*26,970	18,700	20,640	13,310	15,490	9,980	*10,290	9,080	31.7 ft
	1.5 m					*18,230	12,510	13,160	8,190	9,310	5,920	7,060	4,510	*4,910	4,000	9.72 m
	5 ft					*39,460	26,950	28,310	17,680	20,050	12,770	15,200	9,710	*10,820	8,830	31.9 ft
	0 m					*18,410	11,950	12,770	7,850	9,090	5,720	6,950	4,410	*5,330	4,070	9.53 m
	0 ft					*39,940	25,720	27,460	16,930	19,570	12,340	14,980	9,510	*11,760	8,970	31.3 ft
	-1.5 m			*9,870	*9,870	*17,100	11,750	12,570	7,670	8,970	5,610	*6,890	4,380	*6,040	4,330	9.08 m
	-5 ft			*22,410	*22,410	*37,120	25,270	27,030	16,540	19,320	12,110			*13,340	9,570	29.8 ft
	-3 m			*15,310	*15,310	*14,500	11,780	*11,240	7,660	*8,470	5,620			*6,640	4,900	8.34 m
	-10 ft			*34,790	*34,790	*31,350	25,350	*24,200	16,520	*18,010	12,140			*14,560	10,870	27.3 ft
	-4.5 m					*10,320	*10,320	*7,940	7,810							7.22 m
	-15 ft					*21,990	*21,990	*16,660	*16,660							23.5 ft

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

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

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

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





Equipment

STANDARD & OPTIONAL EQUIPMENT

• = Standard / o = Optional

Engine

Turbocharged, 6 stroke diesel engine with water cooling, direct injection and charged air cooler that meets NA Tier4f requirements	•
Cooling system by fan clutch/Elec	•
New work mode with 10 steps	•
Cyclone pre-cleaner	•
Fuel shut off valve	•
Engine block heater	o
Coolant heater by diesel	o
Reversible fan drive	o
Precleaner, oil bath	o
Air filter, High efficiency	o
Delayed engine Shutdown	•
Automatic engine shutdown	o
Water separator with heater	o
Arctic regeneration	o
Oil sampling port for engine oil	•

Electric / Electronic control system

Anti-theft with code lock system	•
Alternator, 120 A	•
Automatic idling system	•
Lock Out / Tag Out function on main battery switch	•
Standard light	•
Basic light package	•
Advanced light package	•
Deluxe light package	o
Arm light	o
LH light	o

Undercarriage and structures

3-point side access	•
Direct filling DEF (AdBlue) / Sight gauge and splash guard	•
Openable 3 piece hood	•
Guardrail, fixed/foldable	•
Inner rail	•
SIPS (Side Impact Protection Steel)	o
HD Side door & hood with screen	o
Lower frame, L	•
Lower frame, NL	o
Lower frame, L with dozer blade	o
Lower frame, NL with dozer blade	o
Link 600/700/800/850 mm (24/28/32/34") triple grouser shoe	o
Link 600 mm (24") double grouser shoe	o

STANDARD & OPTIONAL EQUIPMENT

• = Standard / o = Optional

Hydraulic System

EH(Electro-Hydraulic) control system	•
Auto warm up	•
Auto power boost	•
One touch power boost	•
Priority Adjustment	•
Boom down speed control	•
Shock reduction function	•
Joystick, Semi-long / 4 switch / 4 switch & 1 proportional / Simple L8 / L8	o
Hydraulic oil mineral 32 / 46 / 68	o
Longlife hyd oil mineral 32 / 46 / 68	o
Hydraulic oil bio 46	o
Pattern change	•
Boom float function	•
Straight travel pedal	•
Comfort driving control	o
Creep mode	•
Dedicated drain line	o
Variable X3 P-Q control	o
Hose rupture valve for boom	o
Hose rupture valve for arm	o

Cab and interior

Keyless engine start and stop	•
8" HD display	•
ROPS certified cab	•
Tilttable left console	•
Digital hour meter	•
Wireless mobile charger with Kinematic sensor package option	•
Various storage space with cool/heated	•
Cleaning air gun	o
1 piece wind shield cab	o
High visibility cab	o
Cabin large mirror	•
Cabin large mirror, Heated	o
Basic / Premium / Deluxe seat	o
Seat belt, 2 inch 2 point / 3 inch 2 point / 3 inch 3 point	o
Climate control-HEPA filter	o
Radio with MP3/USB/Bluetooth	o
Front rain shield	o
Sun screen	•
Lower wiper	o
Sun shield, roof hatch	o
Foot rest, High mount	•
FOG (Falling Object Guard)	o
FOPS (Falling Object Protection Structure)	o
Safety net	o

STANDARD & OPTIONAL EQUIPMENT	
• = Standard / o = Optional	
Digging equipment	
Boom: 6.2 m (20'4") monoblock	•
Boom: VA 6.2 m (20'4")	o
Arm: 3.05 m (10'0")	•
Arm: 2.55 m (8'4")	o
Arm: 3.7 m (12'2")	o
Machine Controls	
Kinematic sensor package	•
Volvo Co-Pilot 2nd display, 12.8" touchable Full HD	•
Dig Assist, Start	•
Dig Assist, 2D	o
Dig Assist, In-Field Design	o
Dig Assist, Topcon 3D-MC	o
Dig Assist, Trimble Earthworks	o
Dig Assist, Infield-Design Advanced	o
Dig Assist, On-Board Weighing	o
Dig Assist, Laser Receiver	•
Volvo Active Control (including Boundary Limit)	•
Dig Assist, Boundary Limit	o
Safety and security	
Travel alarm, beep / white noise	o
Flashing beacon, LED	o
Green light beacon	o
Rear view camera	•
Side view camera	•
HD VSV (Volvo Smart View)	•
HD VSV with obstacle detection	o
Provision, HD VSV with obstacle detection	•
Service and maintenance	
Swing out A/C condenser	•
Fuel filler pump	o
Quick Hydraulic Oil Fill connection	•
Jump start connector	o
Auto lubrication system	o
Tool kit	o

V O L V O