

COMPACT EXCAVATORS



MORE CARE. BUILT IN.



DIG INTO COMFORT AND PRODUCTION.

Only one thing really matters: moving material as quickly and efficiently as possible. And like the others in Volvo's compact global range, with Compact Wheel Loaders, Backhoe Loaders and Skid Steer Loaders, Volvo Compact Excavators lead the way with top productivity, comfort and safety.

Make yourself comfortable

When you climb into the operator's station of a Volvo Compact Excavator you'll immediately appreciate the generous amount of space and the comfortable, well-placed controls. Volvo Compact Excavators feature spacious roomy head and legroom, a large floor and a fully adjustable seat. The front and side windows open for excellent ventilation. And a low noise level makes it easier to focus on the job all day long.

Take control

You're in command of a comfortable, ergonomic control station that makes for easy, fatigue-free work. The servo-assisted, pilot-operated controls and smooth hydraulics provide nearly effortless operation while the anti-vibration profile of the tracks ensures smooth travel - even at high speed. On the ECR short-swing model range, the right control lever is equipped with a roller, for fingertip control of the attachment circuit. And for the ultimate in jobsite command, you get excellent all-around visibility.

Where productivity starts

Volvo Compact Excavators are ideal for a wide range of applications. The complete line of tough, dependable compact machines is available in either conventional or short swing radius models. Each comes with the productivity features you'd expect from a full size excavator: power, performance and durability for greater profits.

Get ready for big performance

Volvo Compact Excavators feature the best load-sensing hydraulic circuit on the market for full independence of movement and perfect controllability. Pull out of the pile with no hesitation, high breakout force and outstanding digging performance. Each machine can be fitted with a manual or hydraulic attachment quick coupler, for virtually unlimited versatility on the job. Volvo offers a wide variety of attachments to make you more productive and more profitable. Also, the automatic return to idling system, available on the ECR range and on the C series compact excavators, offers better fuel economy and lower consumption. The EC15B and EC20B also feature a variable width undercarriage for increased stability and to help get into and around narrow jobsites. In addition, dual travel speeds offer plenty of power for pushing and faster travel speed.





OWNERSHIP MADE EASY.

Owning machinery requires work. But Volvo makes it easy. Volvo Compact Excavators offer simple, complete maintenance access, long service intervals and durable long life. And with industry-leading comfort and safety, Volvo makes profitable ownership the easiest part of your operation.

Rugged to the core

At the heart of every Volvo Compact Excavator is a long life undercarriage and frame that uses big machine design concepts. Get strong durability and a smooth ride from thick tracks and offset roller guides. Longer, wider tracks extend life and provide protection from harsh conditions. The high-strength steel dipper with steel castings reduces stress points. Fasteners, pins and hydraulic lines are corrosion protection plated. And for more care built into every Volvo, look no further than the cast swing post and friction-welded cylinders.

Damage control

Stand up to damaging elements with electrical components of the highest quality and waterproof, snap-together connections. A plastic cover protects wire harnesses from damage. For extra protection, the hydraulic connections on the arm and boom are guarded against side or front impact, while the engine hood and covers are shock-resistant and corrosion proof.

Easy to maintain

Maintenance is a necessary part of machine ownership. That's why Volvo ensures that key maintenance items are grouped in easy-to-reach positions and all service compartments open wide for exceptional access. All service intervals are extended to reduce daily maintenance and downtime. Volvo short swing radius models and the EC27C, EC35C have a side-located engine for full accessibility. There's also a single key for easy operation of the engine cover, cab door and tool compartments.

Helping you work safely

Volvo has long been recognised as a leader in safety awareness. Volvo Compact Excavators are no exception, ensuring full protection for the operator and those nearby. The ECR short swing radius models feature a counterweight that turns in the width of the tracks (not applicable to Model ECR88 Plus), reducing risk of accidents. Cab and canopy units have ROPS/FOPS/TOPS safety-certified structures. When leaving the cab and lifting the control console, the machine's hydraulic and drive functions are disabled to prevent accidental movement. A travel alarm and retractable seat belt are also available. And for digging on slopes, a brake on the swing motor helps hold the machine safely in position.





COMPACT EXCAVATORS

CONVENTIONAL RANGE



Volvo EC15B XR



Volvo EC15B XT



Volvo EC15B XTV

Engine model		Volvo D1D	Volvo D1D	Volvo D1D
Max power SAE J1995 gross	kW	12	12	12
Rated speed	rpm	2200	2200	2200
Width overall	mm	980	980	980-1330
Boom offset	° Left/right	80/60	80/60	80/60
Maximum reach				
Standard arm-long arm	m	3.57-3.81	3.57-3.81	3.57-3.81
Dipping depth				
Standard arm-long arm	m	2.20-2.45	2.20-2.45	2.20-2.45
Dump height				
Standard arm-long arm	m	2.48-2.62	2.48-2.62	2.48-2.62
Breakout force	kN	15.1	15.1	15.1
Tear out force	kN	9.6	9.6	9.6
Operating weight				
Canopy version	t	1.48	1.54-1.59	1.64-1.69
Cab version	t	1.6	1.66-1.71	1.76-1.81



Volvo EC20B XT



Volvo EC20B XTV

Engine model		Volvo D1D	Volvo D1D
Max power SAE J1995 gross	kW	12	12
Rated speed	rpm	2200	2200
Width overall	mm	1200	1000-1350
Boom offset	° Left/right	80/60	80/60
Maximum reach			
Standard arm-long arm	m	4.01-4.25	4.01-4.25
Dipping depth			
Standard arm-long arm	m	2.57-2.81	2.57-2.81
Dump height			
Standard arm-long arm	m	2.67-2.82	2.67-2.82
Breakout force	kN	18.5	18.5
Tear out force	kN	12.5	12.5
Operating weight			
Canopy version	t	1.68-1.74	1.78-1.83
Cab version	t	1.81-1.86	1.9-1.96



Volvo EC27C



Volvo EC35C



Volvo EC55C

Engine model		Volvo D1.6D	Volvo D2.2D	Volvo D3.1D
Max power SAE J1995 gross	kW	20.4	27.1	35.1
Rated speed	rpm	2200	2200	2100
Width overall	mm	1550	1620	1920
Boom offset	° Left/right	76/58	76/56	80/50
Maximum reach				
Standard arm-long arm	m	4.55 - 4.84	5.19 - 5.47	5.96 - 6.25
Dipping depth				
Standard arm-long arm	m	2.51 - 2.80	3.43 - 3.71	3.75 - 4.05
Dump height				
Standard arm-long arm	m	3.16 - 3.34	3.53 - 3.7	4.14 - 4.33
Breakout force	kN	24.6	30.9	41.4
Tear out force	kN	8	23.3	28.4
Operating weight				
Canopy version	t	2.66	3.43	
Cab version	t	2.79	3.56	5.7

SHORT SWING RADIUS RANGE



Volvo ECR28



Volvo ECR38



Volvo ECR48C

Engine model		Volvo D1.2D	Volvo D1.6D	Volvo D2.2D
Max power SAE J1995 gross	kW	14.4	20.4	27.1
Rated speed	rpm	2200	2200	2200
Width overall	mm	1500	1620	1950
Boom offset	° Left/right	70/50	70/50	76/56
Maximum reach				
Standard arm-long arm	m	4.33 - 4.58	4.81 - 5.15	5.8 - 6.18
Dipping depth				
Standard arm-long arm	m	2.66 - 2.91	3.06 - 3.31	3.41 - 3.8
Dump height				
Standard arm-long arm	m	2.84 - 2.97	3.19 - 3.33	3.6 - 3.82
Breakout force	kN	19.7	28.8	34.2
Tear out force	kN	14.6	19.2	25.5
Operating weight				
Canopy version	t	2.73 - 2.83	3.34 - 3.39	4.7
Cab version	t	2.82 - 2.96	3.44 - 3.48	4.8



Volvo ECR58 Plus



Volvo ECR88 Plus

Engine model		Volvo D3.1	Volvo D3.4E
Max power SAE J1995 gross	kW	38.2	42.5
Rated speed	rpm	2100	2100
Width overall	mm	2000	2300
Boom offset	° Left/right	70/60	70/60
Maximum reach			
Standard arm-long arm	m	6.08 - 6.46	7.01 - 7.39
Dipping depth			
Standard arm-long arm	m	3.85 - 4.24	4.47 - 4.87
Dump height			
Standard arm-long arm	m	3.97 - 4.21	4.86 - 5.12
Breakout force	kN	39	59
Tear out force	kN	27	41
Operating weight			
Canopy version	t		
Cab version	t	5.88 - 5.97	8.45 - 8.65



Volvo Construction Equipment is different. It's designed, built and supported in a different way. That difference comes from an engineering heritage of over 170 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo. And we're proud of what makes Volvo different – **More care. Built in.**



All products are not 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.

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