

COMPACT EXCAVATORS



VOLVO

DIG IN TO 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 leg room, 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

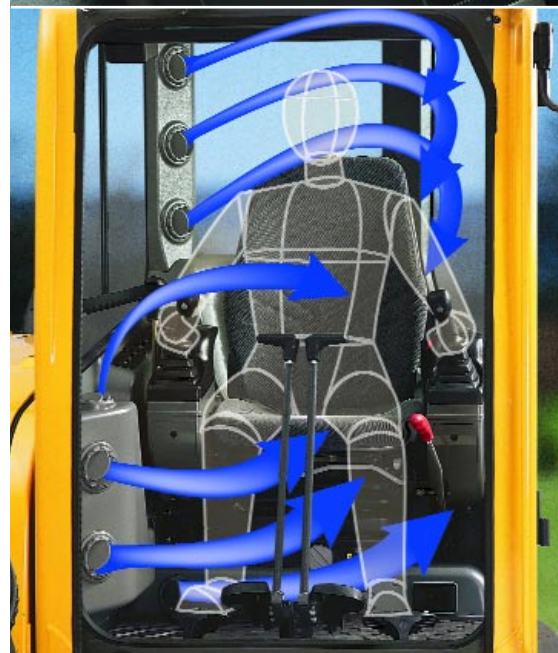
Volvo Compact Excavators are ideal for a wide range of applications. The complete line of tough, dependable

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 a full independence of movements 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 quickcoupler (EW55B, EC55B, ECR58 and ECR88 manual quickcoupler only), 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, offers better fuel economy and lower consumption. The EC15B XTV and EC20B XTV 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.

The EW55B combines the mobility and speed (18.6mph) of rubber tires with the 360° performance of an excavator.





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. And for extra protection, the hydraulic connections 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 conventional compact excavators have a patented opening counterweight, while the short swing radius models 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 recognized 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), 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 XTV



Volvo EC20B XTV



Volvo EC25

| Engine model | Mitsubishi | L3E | | L3E | | L3E | | S3L2 | |
|------------------------|------------|------------------|----------------|------------------|----------------|-------------|-----------|-------------|-----------|
| Rated speed | rpm | 2,200 | | 2,200 | | 2,200 | | 2,200 | |
| Rated power | hp (kW) | 15.3 | 11.3 | 15.3 | 11.3 | 15.0 | 11.1 | 23.2 | 17.1 |
| Overall width | in (m) | 38.6 | 0.98 | 38.9-53.1 | 0.99-1.35 | 38.6-53.1 | 0.98-1.35 | 61 | 1.55 |
| Left/right boom offset | ° | 80/60 | | 80/60 | | 80/60 | | 80/60 | |
| Reach @ Grnd level | in (m) | 140.5-150-156.7 | 3.57-3.81-3.98 | 138.2-150-156.7 | 3.51-3.81-3.98 | 157.8-167.3 | 4.01-4.25 | 175.6-187 | 4.46-4.75 |
| Digging Depth | in (m) | 80.7-90.5-93.7 | 2.05-2.3-2.38 | 80.7-90.5-93.7 | 2.05-2.3-2.38 | 92.5-102.3 | 2.35-2.6 | 99.2-111 | 2.52-2.82 |
| Dumping height | in (m) | 97.6-103.1-106.7 | 2.48-2.62-2.71 | 97.6-103.1-106.7 | 2.48-2.62-2.71 | 105.1-111 | 2.67-2.82 | 123.2-130.7 | 3.13-3.32 |
| Transport Length | in (m) | 143.7 | 3.65 | 143.7 | 3.65 | 148.8 | 3.78 | 166.1 | 4.22 |
| Digging Force - Bkt | lbf (daN) | 3,395 | 1510 | 3,395 | 1510 | 4,159 | 1850 | 4,901 | 2180 |
| Digging Force - Dipper | lbf (daN) | 2,158 | 960 | 2,158 | 960 | 2,810 | 1250 | 3,350 | 1490 |
| Oper. Wt. - Canopy | lbs (mT) | 3,234 | 1.5 | 3,711 | 1.5 | 3,909 | 1.8 | 5,861 | 2.7 |
| Oper. Wt. - Cab | lbs (mT) | 3,520 | 1.6 | 3,874 | 1.8 | 4,182 | 1.9 | 6,138 | 2.8 |



Volvo EC30



Volvo EC35



Volvo EC45 Pro



Volvo EC55B Pro



Volvo EW55B

| Engine model | Mitsubishi S3L2 | | Volvo D2.2 | | Volvo D2.2 | | Volvo D3.1 | | Volvo D3.1 | |
|------------------------|-----------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|--------|
| Rated speed | rpm | 2,400 | | 2,200 | | 2,200 | | 2,100 | | 2,200 |
| Rated power | hp (kW) | 24.5 | 18.1 | 35 | 26 | 35.0 | 26 | 51.0 | 37 | 51.0 |
| Overall width | in (m) | 61 | 1.55 | 64.9 | 1.65 | 70.8 | 1.8 | 75.6 | 1.92 | 75.6 |
| Left/right boom offset | ° | 80/60 | | 80/60 | | 80/60 | | 80/50 | | 80/50 |
| Reach @ Grnd level | in (m) | 181.8-193.3 | 4.62-4.91 | 201.9-213.3 | 5.13-5.42 | 235.4-223.2 | 5.98-5.67 | 235.4 | 5.98 | 231.5 |
| Digging Depth | in (m) | 107.8-119.6 | 2.74-3.04 | 124.8-136.6 | 3.17-3.47 | 142.5-153.9 | 3.62-3.91 | 150.4-164.5 | 3.82-4.18 | 134.2 |
| Dumping height | in (m) | 127.9-135 | 3.25-3.43 | 138.9-146.4 | 3.53-3.72 | 138.6-144.5 | 3.52-3.67 | 161.6 | 4.105 | 168.9 |
| Transport Length | in (m) | 172 | 4.37 | 187 | 4.75 | 197.6 | 5.02 | 235.4 | 5.980 | 223.2 |
| Digging Force - Bkt | lbf (daN) | 5,440 | 2420 | 6,564 | 2920 | 7,553 | 3360 | 9,150 | 4070 | 9,150 |
| Digging Force - Dipper | lbf (daN) | 3,867 | 1720 | 4,923 | 2190 | 5,440 | 2420 | 6,137 | 2730 | 6,137 |
| Oper. Wt. - Canopy | lbs (mT) | 6,536 | 3.0 | 7,572 | 3.4 | 9,729 | 4.5 | NA | NA | NA |
| Oper. Wt. - Cab | lbs (mT) | 6,813 | 3.1 | 7,744 | 3.5 | 9,920 | 4.6 | 12,125 | 5.5 | 11,684 |

SHORT SWING RADIUS RANGE



Volvo ECR28



Volvo ECR38



Volvo ECR58



Volvo ECR88

| Engine model | Volvo | D1.2 | | D1.6 | | D3.1 | | D3.4 | |
|------------------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| Rated speed | rpm | 2,200 | | 2,200 | | 2,100 | | 2,100 | |
| Rated power | hp (kW) | 18.3 | 13.5 | 27 | 19.9 | 50.8 | 37.5 | 56.8 | 41.9 |
| Overall width | in (m) | 61 | 1.55 | 64.9 | 1.65 | 78.7 | 2 | 90.6 | 2.3 |
| Left/right boom offset | ° | 70/50 | | 70/50 | | 70/60 | | 70/60 | |
| Reach @ Grnd level | in (m) | 170.4-180.3 | 4.33-4.58 | 189.3-202.7 | 4.81-5.15 | 233.8-248.8 | 5.94-6.32 | 270-285 | 6.86-7.24 |
| Digging Depth | in (m) | 93.7-103.5 | 2.38-2.63 | 107.8-117.7 | 2.74-2.99 | 141.7-157.4 | 3.6-4 | 164.1-179.9 | 4.17-4.57 |
| Dumping height | in (m) | 111.8-116.9 | 2.84-2.97 | 125.6-131.1 | 3.19-3.33 | 156.3-165.7 | 3.97-4.21 | 191.3-201.5 | 4.86-5.12 |
| Transport Length | in (m) | 157.5 | 4 | 174 | 4.42 | 220.5 | 5.6 | 252.4 | 6.41 |
| Digging Force - Bkt | lbf (daN) | 4,429 | 1970 | 6,474 | 2880 | 8,768 | 3900 | 12,589 | 5600 |
| Digging Force - Dipper | lbf (daN) | 3,282 | 1460 | 4,316 | 1920 | 6,070 | 2700 | 9,217 | 4100 |
| Oper. Wt. - Canopy | lbs (mT) | 6,012 | 2.7 | 7,355 | 3.3 | 12,056 | 5.5 | 18,040 | 8.2 |
| Oper. Wt. - Cab | lbs (mT) | 6,219 | 2.8 | 7,561 | 3.4 | 12,298 | 5.6 | 18,700 | 8.5 |



Volvo Construction Equipment is different. It's designed, built and supported in a different way. That difference comes from our 170-year engineering heritage. 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.

VOLVO

**Volvo Construction Equipment
North America, Inc.**

One Volvo Drive, Asheville, NC 28803-3447
www.volvoce.com

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