ARE YOUR EXCAVATOR AND HAULER SIZED CORRECTLY?

Find out. Select your current Volvo hauler and loading configuration to determine which Volvo excavator is the best match to optimize your cycle times.

GET STARTED »

VOLVO

STEP 1: SELECT YOUR HAULER SIZE CLASS

Tap or click hauler below

A25G | 27.5 TON

A35G | 38 TON

A45G | 45 TON

A30G | 32 TON

A40G | 43 TON

A60H | 60 TON

VOLVO

Start over >

STEP 2: SELECT YOUR LOADING CONFIGURATION

Tap or click configuration below

Your Volvo Hauler:  **A25G**

Excavator **above the hauler** and a **slew angle of 45°**

Show me the numbers >

Excavator **above the hauler** and a **slew angle of 90°**

Show me the numbers >

Excavator and hauler on the **same level** and a **slew angle of 90°**

Show me the numbers >

Excavator and hauler on the **same level** and a **slew angle of 180°**

Show me the numbers >

VOLVO

Start over >

STEP 2: SELECT YOUR LOADING CONFIGURATION

Tap or click configuration below

Your Volvo Hauler:  **A30G**

Excavator **above the hauler** and a **slew angle of 45°**

Show me the numbers >

Excavator **above the hauler** and a **slew angle of 90°**

Show me the numbers >

Excavator and hauler on the **same level** and a **slew angle of 90°**

Show me the numbers >

Excavator and hauler on the **same level** and a **slew angle of 180°**

Show me the numbers >

VOLVO

Start over >

STEP 2: SELECT YOUR LOADING CONFIGURATION

Tap or click configuration below

Your Volvo Hauler:  **A35G**

Excavator **above the hauler** and a **slew angle of 45°**

Show me the numbers >

Excavator **above the hauler** and a **slew angle of 90°**

Show me the numbers >

Excavator and hauler on the **same level** and a **slew angle of 90°**

Show me the numbers >

Excavator and hauler on the **same level** and a **slew angle of 180°**

Show me the numbers >

VOLVO

Start over >

STEP 2: SELECT YOUR LOADING CONFIGURATION

Tap or click configuration below

Your Volvo Hauler:  **A40G**

Excavator **above the hauler** and a **slew angle of 45°**

Show me the numbers >

Excavator **above the hauler** and a **slew angle of 90°**

Show me the numbers >

Excavator and hauler on the **same level** and a **slew angle of 90°**

Show me the numbers >

Excavator and hauler on the **same level** and a **slew angle of 180°**

Show me the numbers >

VOLVO

Start over >

STEP 2: SELECT YOUR LOADING CONFIGURATION

Tap or click configuration below

Your Volvo Hauler:  **A45G**

Excavator **above the hauler** and a **slew angle of 45°**

Show me the numbers >

Excavator **above the hauler** and a **slew angle of 90°**

Show me the numbers >

Excavator and hauler on the **same level** and a **slew angle of 90°**

Show me the numbers >

Excavator and hauler on the **same level** and a **slew angle of 180°**

Show me the numbers >

VOLVO

Start over >

STEP 2: SELECT YOUR LOADING CONFIGURATION

Tap or click configuration below

Your Volvo Hauler:  A60H

Excavator **above the hauler** and a **slew angle of 45°**

Show me the numbers >

Excavator **above the hauler** and a **slew angle of 90°**

Show me the numbers >

Excavator and hauler on the **same level** and a **slew angle of 90°**

Show me the numbers >

Excavator and hauler on the **same level** and a **slew angle of 180°**

Show me the numbers >

VOLVO

Start over >

A25G

Loading Configuration:

Excavator **above the hauler** and a **slew angle of 45 degrees**

We recommend the EC350E, EC380E, EC480E or EC530E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	6 Well Matched	0.27	870.43	5.29	290.14	1,703,861.86
EC380E	3.8	5.38	5 Well Matched	0.27	1,015.69	4.48	338.56	1,988,208.60
EC480E	4.5	6.38	4 Well Matched	0.26	1,091.23	3.93	363.81	2,136,483.03
EC530E	5.0		4 Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		3 Over Capacity	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	2 Over Capacity	0.33	1,156.04	3.50	385.35	2,262,941.53
EC950F	9.9	13.82	2 Over Capacity	0.38	1,709.68	3.62	427.42	3,346,702.47

Try a new A25G configuration >

See calculations >

VOLVO

Start over >

A25G

Loading Configuration:

Excavator **above the hauler** and a **slew angle of 90 degrees**

We recommend the EC350E, EC380E, EC480E or EC530E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	6 Well Matched	0.31	649.19	4.69	324.60	1,270,796.97
EC380E	3.8	5.38	5 Well Matched	0.31	918.78	4.91	306.26	1,798,520.85
EC480E	4.5	6.38	4 Well Matched	0.29	1,064.23	4.03	354.74	2,083,237.35
EC530E	5.0		4 Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		3 Over Capacity	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	2 Over Capacity	0.38	1,123.92	3.59	374.64	2,200,082.04
EC950F	9.9	13.82	2 Over Capacity	0.44	1,588.09	3.89	397.02	3,108,682.69

Try a new A25G configuration >

See calculations >

VOLVO

Start over >

A25G

Loading Configuration:

Excavator and hauler on the **same level** and a **slew angle of 90 degrees**

We recommend the EC350E, EC380E, EC480E or EC530E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	6 Well Matched	0.34	620.18	4.91	310.09	1,214,001.57
EC380E	3.8	5.38	5 Well Matched	0.34	660.38	4.57	330.19	1,292,686.86
EC480E	4.5	6.38	4 Well Matched	0.33	1,016.23	4.21	338.88	1,990,057.41
EC530E	5.0		4 Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		3 Over Capacity	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	2 Over Capacity	0.42	1,098.23	3.69	366.08	2,149,794.46
EC950F	9.9	13.82	2 Over Capacity	0.49	1,212.25	3.82	404.08	2,279,219.79

Try a new A25G configuration >

See calculations >

VOLVO

Start over >

A25G

Loading Configuration:

Excavator and hauler on the **same level** and a **slew angle of 180 degrees**

We recommend the EC350E, EC380E, EC480E or EC530E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	6 Well Matched	0.36	605.67	5.03	302.84	1,185,603.88
EC380E	3.8	5.38	5 Well Matched	0.40	620.90	4.84	310.45	1,215,406.67
EC480E	4.5	6.38	4 Well Matched	0.38	652.82	4.36	326.41	1,277,896.39
EC530E	5.0		4 Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		3 Over Capacity	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	2 Over Capacity	0.49	1,059.70	3.82	353.23	2,074,363.07
EC950F	9.9	13.82	2 Over Capacity	0.57	1,164.35	3.98	388.12	2,279,219.79

Try a new A25G configuration >

See calculations >

VOLVO

Start over >

A30G

Loading Configuration:

Excavator **above the hauler** and a **slew angle of 45 degrees**

We recommend the EC380E, EC480E, EC530E or EC550E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	**7** Under Capacity	0.27	744.70	4.78	372.35	1,457,748.48
EC380E	3.8	5.33	**6** Well Matched	0.27	1,022.94	5.29	340.98	2,002,414.72
EC480E	4.5	6.38	**5** Well Matched	0.26	1,245.29	4.34	415.10	2,437,653.93
EC530E	5.0		**4** Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		**4** Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	**3** Over Capacity	0.33	1,156.04	3.49	385.35	2,262,941.53
EC950F	9.9	14.17	**2** Over Capacity	0.38	1,318.49	3.60	439.50	2,580,936.58

Try a new A30G configuration >

See calculations >

VOLVO

Start over >

A30G

Loading Configuration:

Excavator **above the hauler** and a **slew angle of 90 degrees**

We recommend the EC380E, EC480E, EC530E or EC550E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	**7** Under Capacity	0.31	710.85	5.00	355.42	1,391,487.19
EC380E	3.8	5.38	**6** Well Matched	0.31	762.95	4.69	381.47	1,493,467.65
EC480E	4.5	6.38	**5** Well Matched	0.29	1,134.79	4.72	378.26	2,221,343.34
EC530E	5.0		**4** Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		**4** Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	8.50	**3** Over Capacity	0.38	1,127.14	3.59	375.71	2,206,367.99
EC950F	9.9	14.17	**2** Over Capacity	0.44	1,280.71	3.71	426.90	2,506,984.25

Try a new A30G configuration >

See calculations >

VOLVO

A30G

Loading Configuration:

Excavator and hauler on the **same level** and a **slew angle of 90 degrees**

Start over >

We recommend the EC380E, EC480E, EC530E or EC550E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	**7** Under Capacity	0.34	677.00	5.26	338.50	1,325,225.89
EC380E	3.8	5.33	**6** Well Matched	0.34	728.85	4.91	364.42	1,426,720.49
EC480E	4.5	6.38	**5** Well Matched	0.32	1,032.78	5.19	344.26	2,021,672.03
EC530E	5.0		**4** Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		**4** Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	**3** Over Capacity	0.42	1,098.23	3.68	366.08	2,149,794.46
EC950F	9.9	14.17	**2** Over Capacity	0.49	1,246.71	3.81	415.57	2,440,427.14

Try a new A30G configuration >

See calculations >

VOLVO

Start over >

A30G

Loading Configuration:

Excavator and hauler on the **same level** and a **slew angle of 180 degrees**

We recommend the EC380E, EC480E, EC530E or EC550E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	**7** Under Capacity	0.36	660.07	5.40	330.34	1,292,095.24
EC380E	3.8	5.33	**6** Well Matched	0.40	681.96	5.24	340.98	1,334,943.15
EC480E	4.5	6.38	**5** Well Matched	0.38	752.27	4.74	376.14	1,472,575.92
EC530E	5.0		**4** Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		**4** Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	8.50	**3** Over Capacity	0.49	1,059.70	3.81	353.23	2,074,363.07
EC950F	9.9	14.17	**2** Over Capacity	0.57	800.91	3.97	400.46	1,567,789.56

Try a new A30G configuration >

See calculations >

VOLVO

Start over >

A35G

Loading Configuration:

Excavator **above the hauler** and a **slew angle of 45 degrees**

We recommend the EC480E, EC530E or EC550E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	8 Under Capacity	0.27	807.56	5.05	403.78	1,580,805.17
EC380E	3.8	5.38	7 Under Capacity	0.27	884.33	4.78	442.17	1,731,076.32
EC480E	4.5	6.34	6 Well Matched	0.26	1,262.59	5.11	420.86	2,471,514.90
EC530E	5.0		5 Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		4 Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	3 Over Capacity	0.33	1,579.92	3.84	526.64	3,092,686.76
EC950F	9.9	14.17	3 Over Capacity	0.38	1,322.26	3.60	440.75	2,588,331.82

Try a new A35G configuration >

See calculations >

VOLVO

Start over >

A35G

Loading Configuration:

Excavator **above the hauler** and a **slew angle of 90 degrees**

We recommend the EC480E, EC530E or EC550E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	8 Under Capacity	0.31	764.04	5.31	382.02	1,495,612.08
EC380E	3.8	5.38	7 Under Capacity	0.31	844.13	5.00	422.07	1,652,391.03
EC480E	4.5	6.34	6 Well Matched	0.29	922.86	4.61	461.43	1,806,488.80
EC530E	5.0		5 Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		4 Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	3 Over Capacity	0.38	1,522.11	3.98	507.37	2,979,539.68
EC950F	9.9	14.17	3 Over Capacity	0.44	1,280.71	3.70	426.90	2,506,984.25

Try a new A35G configuration >

See calculations >

VOLVO

Start over >

A35G

Loading Configuration:

Excavator and hauler on the **same level** and a **slew angle of 90 degrees**

We recommend the EC480E, EC530E or EC550E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	8 Under Capacity	0.34	710.85	5.71	355.42	1,391,487.19
EC380E	3.8	5.38	7 Under Capacity	0.34	803.94	5.26	401.97	1,573,705.75
EC480E	4.5	6.34	6 Well Matched	0.33	887.36	4.80	443.68	1,737,008.46
EC530E	5.0		5 Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		4 Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	3 Over Capacity	0.42	1,473.95	4.11	491.32	2,885,250.45
EC950F	9.9	14.17	3 Over Capacity	0.49	1,246.71	3.81	415.57	2,440,427.14

Try a new A35G configuration >

See calculations >

VOLVO

Start over >

A35G

Loading Configuration:

Excavator and hauler on the **same level** and a **slew angle of 180 degrees**

We recommend the EC480E, EC530E or EC550E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	8 Under Capacity	0.36	672.16	6.03	336.08	1,315,759.99
EC380E	3.8	5.38	7 Under Capacity	0.40	728.57	5.79	364.28	1,426,170.83
EC480E	4.5	6.34	6 Well Matched	0.38	831.58	5.12	415.79	1,627,825.07
EC530E	5.0		5 Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		4 Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	3 Over Capacity	0.49	1,290.91	4.71	430.30	2,526,951.38
EC950F	9.9	14.17	3 Over Capacity	0.57	800.91	3.96	400.46	1,567,789.56

Try a new A35G configuration >

See calculations >

VOLVO

Start over >

A40G

Loading Configuration:

Excavator **above the hauler** and a **slew angle of 45 degrees**

We recommend the EC530E, EC550E or EC750E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	**10** Excavator Undersized	0.27	859.55	5.33	429.77	1,682,563.59
EC380E	3.8	5.38	**8** Under Capacity	0.27	951.52	5.05	475.76	1,862,590.94
EC480E	4.5	6.38	**7** Under Capacity	0.26	969.03	4.44	484.52	1,896,877.46
EC530E	5.0		**6** Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		**5** Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	**4** Well Matched	0.33	1,579.92	3.84	526.64	3,092,686.76
EC950F	9.9	14.17	**3** Over Capacity	0.38	1,779.39	4.00	593.13	3,483,155.10

Try a new A40G configuration >

See calculations >

VOLVO

Start over >

A40G

Loading Configuration:

Excavator **above the hauler** and a **slew angle of 90 degrees**

We recommend the EC530E, EC550E or EC750E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	**10** Excavator Undersized	0.31	794.27	5.74	397.13	1,554,773.95
EC380E	3.8	5.38	**8** Under Capacity	0.31	905.66	5.32	452.83	1,772,827.52
EC480E	4.5	6.38	**7** Under Capacity	0.29	928.23	4.61	464.11	1,817,008.94
EC530E	5.0		**6** Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		**5** Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	**4** Well Matched	0.38	1,522.11	3.98	507.37	2,979,539.68
EC950F	9.9	14.17	**3** Over Capacity	0.44	1,688.72	4.23	562.91	3,305,669.49

Try a new A40G configuration >

See calculations >

VOLVO

Start over >

A40G

Loading Configuration:

Excavator and hauler on the **same level** and a **slew angle of 90 degrees**

We recommend the EC530E, EC550E or EC750E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	**10** Excavator Undersized	0.34	712.66	6.40	356.33	1,395,036.90
EC380E	3.8	5.37	**8** Under Capacity	0.34	842.61	5.71	421.30	1,649,402.82
EC480E	4.5	6.38	**7** Under Capacity	0.33	892.53	4.80	446.26	1,747,123.98
EC530E	5.0		**6** Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		**5** Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	**4** Well Matched	0.42	982.63	4.11	491.32	1,923,500.30
EC950F	9.9	14.17	**3** Over Capacity	0.49	1,518.71	4.69	506.24	2,972,883.97

Try a new A40G configuration >

See calculations >

VOLVO

Start over >

A40G

Loading Configuration:

Excavator and hauler on the **same level** and a **slew angle of 180 degrees**

We recommend the EC530E, EC550E or EC750E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	**10** Excavator Undersized	0.36	674.58	6.76	337.29	1,320,492.94
EC380E	3.8	5.37	**8** Under Capacity	0.40	727.97	6.59	363.98	1,424,994.27
EC480E	4.5	6.38	**7** Under Capacity	0.38	836.43	5.12	418.21	1,637,304.76
EC530E	5.0		**6** Well Matched	*New Model – Data Coming Soon*				
EC550E	6.0		**5** Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	**4** Well Matched	0.49	939.28	4.31	469.64	1,838,639.99
EC950F	9.9	14.17	**3** Over Capacity	0.57	1,042.70	4.55	521.35	2,041,084.52

Try a new A40G configuration >

See calculations >

VOLVO

Start over >

A45G

Loading Configuration:

Excavator **above the hauler** and a **slew angle of 45 degrees**

We recommend the EC550E or EC750E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	**10** Excavator Undersized	0.27	891.84	5.71	445.92	1,745,783.41
EC380E	3.8	5.38	**9** Excavator Undersized	0.27	953.24	5.06	476.62	1,865,965.38
EC480E	4.5	6.38	**7** Under Capacity	0.26	1,065.08	4.72	532.54	2,084,901.28
EC530E	5.0		**7** Under Capacity	*New Model – Data Coming Soon*				
EC550E	6.0		**5** Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	**4** Well Matched	0.33	1,579.92	3.84	526.64	3,092,686.76
EC950F	9.9	14.17	**3** Over Capacity	0.38	1,779.39	4.00	593.13	3,483,155.10

Try a new A45G configuration >

See calculations >

VOLVO

Start over >

A45G

Loading Configuration:

Excavator **above the hauler** and a **slew angle of 90 degrees**

We recommend the EC550E or EC750E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	**10** Excavator Undersized	0.31	795.43	6.35	397.71	1,557,050.07
EC380E	3.8	5.38	**9** Excavator Undersized	0.31	907.30	5.32	453.65	1,776,039.34
EC480E	4.5	6.38	**7** Under Capacity	0.29	1,017.48	4.92	508.74	1,991,721.33
EC530E	5.0		**7** Under Capacity	*New Model – Data Coming Soon*				
EC550E	6.0		**5** Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	**4** Well Matched	0.38	1,522.11	3.98	507.37	2,979,539.68
EC950F	9.9	14.17	**3** Over Capacity	0.44	1,688.72	4.23	562.91	3,305,669.49

Try a new A45G configuration >

See calculations >

VOLVO

Start over >

A45G

Loading Configuration:

Excavator and hauler on the **same level** and a **slew angle of 90 degrees**

We recommend the EC550E or EC750E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.52	**10** Excavator Undersized	0.34	717.09	7.08	358.55	1,403,704.23
EC380E	3.8	5.38	**9** Excavator Undersized	0.34	844.13	5.71	422.07	1,652,391.03
EC480E	4.5	6.38	**7** Under Capacity	0.33	969.88	5.14	484.94	1,898,541.39
EC530E	5.0		**7** Under Capacity	*New Model – Data Coming Soon*				
EC550E	6.0		**5** Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	**4** Well Matched	0.42	982.63	4.11	491.32	1,923,500.30
EC950F	9.9	14.17	**3** Over Capacity	0.49	1,518.71	4.69	506.24	2,972,883.97

Try a new A45G configuration >

See calculations >

VOLVO

Start over >

A45G

Loading Configuration:

Excavator and hauler on the **same level** and a **slew angle of 180 degrees**

We recommend the EC550E or EC750E excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.52	**10** Excavator Undersized	0.36	674.91	7.48	337.45	1,321,133.39
EC380E	3.8	5.38	**9** Excavator Undersized	0.40	729.29	6.59	364.64	1,427,575.93
EC480E	4.5	6.38	**7** Under Capacity	0.38	904.43	5.51	452.21	1,770,418.96
EC530E	5.0		**7** Under Capacity	*New Model – Data Coming Soon*				
EC550E	6.0		**5** Well Matched	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	**4** Well Matched	0.49	939.28	4.31	469.64	1,838,639.99
EC950F	9.9	14.17	**3** Over Capacity	0.57	1,042.70	4.55	521.35	2,041,084.52

Try a new A45G configuration >

See calculations >

VOLVO

Start over >

A60H

Loading Configuration:

Excavator **above the hauler** and a **slew angle of 45 degrees**

We recommend the EC750E or EC950F excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	**14** Excavator Undersized	0.27	903.67	7.33	451.84	1,768,939.92
EC380E	3.8	5.38	**12** Excavator Undersized	0.27	1,065.93	6.25	532.97	2,086,565.21
EC480E	4.5	6.38	**10** Excavator Undersized	0.26	1,231.69	5.23	615.84	2,411,031.09
EC530E	5.0		**9** Excavator Undersized	*New Model – Data Coming Soon*				
EC550E	6.0		**7** Under Capacity	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	**5** Well Matched	0.33	1,926.73	5.26	642.24	3,771,569.22
EC950F	9.9	14.17	**4** Well Matched	0.38	1,949.39	4.89	649.80	3,815,940.62

Try a new A60H configuration >

See calculations >

VOLVO

Start over >

A60H

Loading Configuration:

Excavator **above the hauler** and a **slew angle of 90 degrees**

We recommend the EC750E or EC950F excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	**14** Excavator Undersized	0.31	809.38	8.19	404.69	1,584,354.88
EC380E	3.8	5.38	**12** Excavator Undersized	0.31	955.39	6.96	477.70	1,870,180.67
EC480E	4.5	6.38	**10** Excavator Undersized	0.29	1,170.49	5.50	585.24	2,291,228.30
EC530E	5.0		**9** Excavator Undersized	*New Model – Data Coming Soon*				
EC550E	6.0		**7** Under Capacity	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	**5** Well Matched	0.38	1,420.96	4.75	710.48	2,781,532.30
EC950F	9.9	14.17	**4** Well Matched	0.44	1,382.71	4.60	691.36	2,706,655.56

Try a new A60H configuration >

See calculations >

VOLVO

Start over >

A60H

Loading Configuration:

Excavator and hauler on the **same level** and a **slew angle of 90 degrees**

We recommend the EC750E or EC950F excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	**14** Excavator Undersized	0.34	722.94	9.14	361.47	1,415,151.93
EC380E	3.8	5.38	**12** Excavator Undersized	0.34	852.75	7.77	426.37	1,669,252.17
EC480E	4.5	6.38	**10** Excavator Undersized	0.33	1,055.73	6.07	527.87	2,066,598.08
EC530E	5.0		**9** Excavator Undersized	*New Model – Data Coming Soon*				
EC550E	6.0		**7** Under Capacity	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	**5** Well Matched	0.42	1,356.74	4.97	678.37	2,655,813.33
EC950F	9.9	14.17	**4** Well Matched	0.49	1,322.26	4.80	661.13	2,588,331.82

Try a new A60H configuration >

See calculations >

VOLVO

Start over >

A60H

Loading Configuration:

Excavator and hauler on the **same level** and a **slew angle of 180 degrees**

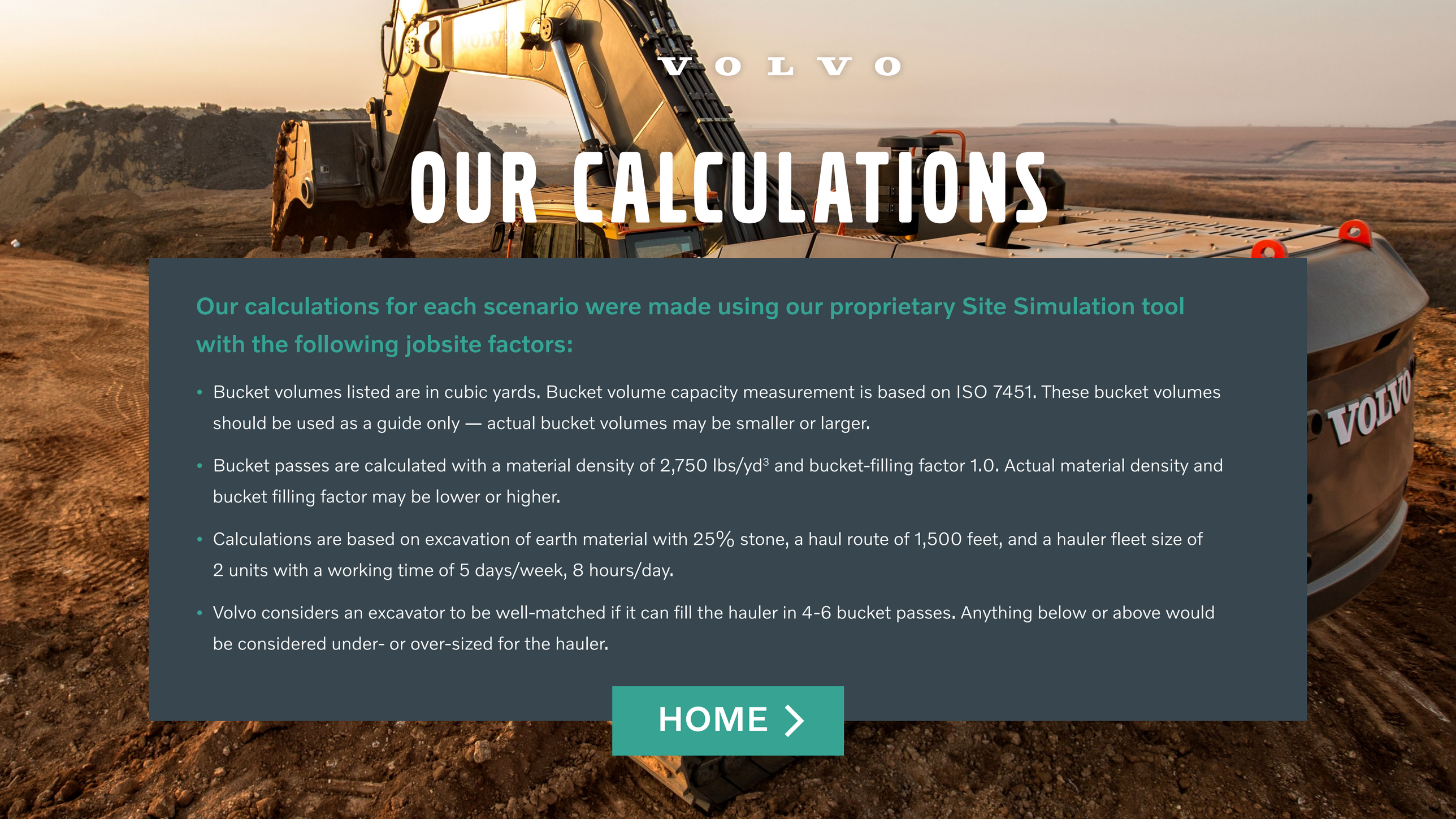
We recommend the EC750E or EC950F excavator for optimized efficiency and the lowest cost per ton.

Excavator Model	Bucket Volume (yd^3)	Avg Bucket Load (tons)	Number of Bucket Passes	Avg Excavator Cycle Time (min)	Avg Excavator Production Per Hour (tons)	Avg Hauler Cycle Time (min)	Avg Hauler Production Per Hour (tons)	Fleet Production Per Year (tons)
EC350E	3.2	4.53	**14** Excavator Undersized	0.36	683.65	9.65	341.82	1,338,241.50
EC380E	3.8	5.38	**12** Excavator Undersized	0.40	742.21	8.97	371.10	1,452,867.63
EC480E	4.5	6.38	**10** Excavator Undersized	0.38	918.03	7.03	459.01	1,797,041.80
EC530E	5.0		**9** Excavator Undersized	*New Model – Data Coming Soon*				
EC550E	6.0		**7** Under Capacity	*New Model – Data Coming Soon*				
EC750E	8.5	12.04	**5** Well Matched	0.49	1,268.43	5.31	634.21	2,482,949.74
EC950F	9.9	14.17	**4** Well Matched	0.57	1,239.15	5.12	619.58	2,425,636.67

Try a new A60H configuration >

See calculations >

VOLVO



VOLVO

OUR CALCULATIONS

Our calculations for each scenario were made using our proprietary Site Simulation tool with the following jobsite factors:

- Bucket volumes listed are in cubic yards. Bucket volume capacity measurement is based on ISO 7451. These bucket volumes should be used as a guide only — actual bucket volumes may be smaller or larger.
- Bucket passes are calculated with a material density of 2,750 lbs/yd^3 and bucket-filling factor 1.0. Actual material density and bucket filling factor may be lower or higher.
- Calculations are based on excavation of earth material with 25% stone, a haul route of 1,500 feet, and a hauler fleet size of 2 units with a working time of 5 days/week, 8 hours/day.
- Volvo considers an excavator to be well-matched if it can fill the hauler in 4-6 bucket passes. Anything below or above would be considered under- or over-sized for the hauler.

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