

*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.



# STEP 1: SELECT YOUR HAULER SIZE CLASS

Tap or click hauler below

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[Start over >](#)

# STEP 2: **SELECT YOUR LOADING CONFIGURATION**

Tap or click configuration below

Your Volvo Hauler:  **A25G**



[Start over >](#)

# STEP 2: **SELECT YOUR LOADING CONFIGURATION**

Tap or click configuration below

Your Volvo Hauler:



# A30G



[Start over >](#)

# STEP 2: **SELECT YOUR LOADING CONFIGURATION**

Tap or click configuration below

Your Volvo Hauler:



**A35G**



[Start over >](#)

# STEP 2: SELECT YOUR LOADING CONFIGURATION

Tap or click configuration below

Your Volvo Hauler:



# A40G



[Start over >](#)

# STEP 2: **SELECT YOUR LOADING CONFIGURATION**

Tap or click configuration below

Your Volvo Hauler:



## A45G



[Start over >](#)

# STEP 2: SELECT YOUR LOADING CONFIGURATION

Tap or click configuration below

Your Volvo Hauler:



## A60H







# 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 (yd³)	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)
<b><u>EC350E</u></b>	3.2	4.53	<b>6</b> <u>Well Matched</u>	0.27	870.43	5.29	290.14	1,703,861.86
<b><u>EC380E</u></b>	3.8	5.38	<b>5</b> <u>Well Matched</u>	0.27	1,015.69	4.48	338.56	1,988,208.60
<b><u>EC480E</u></b>	4.5	6.38	<b>4</b> <u>Well Matched</u>	0.26	1,091.23	3.93	363.81	2,136,483.03
<b><u>EC530E</u></b>	5.0		<b>4</b> <u>Well Matched</u>	<i>New Model – Data Coming Soon</i>				
<b>EC550E</b>	6.0		<b>3</b> <b>Over Capacity</b>	<i>New Model – Data Coming Soon</i>				
<b>EC750E</b>	8.5	12.04	<b>2</b> <b>Over Capacity</b>	0.33	1,156.04	3.50	385.35	2,262,941.53
<b>EC950F</b>	9.9	13.82	<b>2</b> <b>Over Capacity</b>	0.38	1,709.68	3.62	427.42	3,346,702.47





# 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 (yd³)	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)
<b><u>EC350E</u></b>	3.2	4.53	<b>6</b> <u>Well Matched</u>	0.31	649.19	4.69	324.60	1,270,796.97
<b><u>EC380E</u></b>	3.8	5.38	<b>5</b> <u>Well Matched</u>	0.31	918.78	4.91	306.26	1,798,520.85
<b><u>EC480E</u></b>	4.5	6.38	<b>4</b> <u>Well Matched</u>	0.29	1,064.23	4.03	354.74	2,083,237.35
<b><u>EC530E</u></b>	5.0		<b>4</b> <u>Well Matched</u>	<i>New Model – Data Coming Soon</i>				
<b>EC550E</b>	6.0		<b>3</b> <b>Over Capacity</b>	<i>New Model – Data Coming Soon</i>				
<b>EC750E</b>	8.5	12.04	<b>2</b> <b>Over Capacity</b>	0.38	1,123.92	3.59	374.64	2,200,082.04
<b>EC950F</b>	9.9	13.82	<b>2</b> <b>Over Capacity</b>	0.44	1,588.09	3.89	397.02	3,108,682.69





# 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 (yd³)	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)
<b><u>EC350E</u></b>	3.2	4.53	<b>6</b> <u>Well Matched</u>	0.34	620.18	4.91	310.09	1,214,001.57
<b><u>EC380E</u></b>	3.8	5.38	<b>5</b> <u>Well Matched</u>	0.34	660.38	4.57	330.19	1,292,686.86
<b><u>EC480E</u></b>	4.5	6.38	<b>4</b> <u>Well Matched</u>	0.33	1,016.23	4.21	338.88	1,990,057.41
<b><u>EC530E</u></b>	5.0		<b>4</b> <u>Well Matched</u>	<i>New Model – Data Coming Soon</i>				
<b>EC550E</b>	6.0		<b>3</b> <b>Over Capacity</b>	<i>New Model – Data Coming Soon</i>				
<b>EC750E</b>	8.5	12.04	<b>2</b> <b>Over Capacity</b>	0.42	1,098.23	3.69	366.08	2,149,794.46
<b>EC950F</b>	9.9	13.82	<b>2</b> <b>Over Capacity</b>	0.49	1,212.25	3.82	404.08	2,279,219.79





# 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 (yd³)	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)
<b><u>EC350E</u></b>	3.2	4.53	<b>6</b> <u>Well Matched</u>	0.36	605.67	5.03	302.84	1,185,603.88
<b><u>EC380E</u></b>	3.8	5.38	<b>5</b> <u>Well Matched</u>	0.40	620.90	4.84	310.45	1,215,406.67
<b><u>EC480E</u></b>	4.5	6.38	<b>4</b> <u>Well Matched</u>	0.38	652.82	4.36	326.41	1,277,896.39
<b><u>EC530E</u></b>	5.0		<b>4</b> <u>Well Matched</u>	<i>New Model – Data Coming Soon</i>				
<b>EC550E</b>	6.0		<b>3</b> <b>Over Capacity</b>	<i>New Model – Data Coming Soon</i>				
<b>EC750E</b>	8.5	12.04	<b>2</b> <b>Over Capacity</b>	0.49	1,059.70	3.82	353.23	2,074,363.07
<b>EC950F</b>	9.9	13.82	<b>2</b> <b>Over Capacity</b>	0.57	1,164.35	3.98	388.12	2,279,219.79





# 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 (yd³)	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	<b>7</b> Under Capacity	0.27	744.70	4.78	372.35	1,457,748.48
<b>EC380E</b>	3.8	5.33	<b>6</b> Well Matched	0.27	1,022.94	5.29	340.98	2,002,414.72
<b>EC480E</b>	4.5	6.38	<b>5</b> Well Matched	0.26	1,245.29	4.34	415.10	2,437,653.93
<b>EC530E</b>	5.0		<b>4</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b>EC550E</b>	6.0		<b>4</b> Well Matched	<i>New Model – Data Coming Soon</i>				
EC750E	8.5	12.04	<b>3</b> Over Capacity	0.33	1,156.04	3.49	385.35	2,262,941.53
EC950F	9.9	14.17	<b>2</b> Over Capacity	0.38	1,318.49	3.60	439.50	2,580,936.58





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>7</b> Under Capacity	0.31	710.85	5.00	355.42	1,391,487.19
<b><u>EC380E</u></b>	3.8	5.38	<b>6</b> Well Matched	0.31	762.95	4.69	381.47	1,493,467.65
<b><u>EC480E</u></b>	4.5	6.38	<b>5</b> Well Matched	0.29	1,134.79	4.72	378.26	2,221,343.34
<b><u>EC530E</u></b>	5.0		<b>4</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b><u>EC550E</u></b>	6.0		<b>4</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b>EC750E</b>	8.5	8.50	<b>3</b> Over Capacity	0.38	1,127.14	3.59	375.71	2,206,367.99
<b>EC950F</b>	9.9	14.17	<b>2</b> Over Capacity	0.44	1,280.71	3.71	426.90	2,506,984.25





# A30G

**Loading Configuration:**

Excavator and hauler on the **same level** 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 (yd³)	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	<b>7</b> Under Capacity	0.34	677.00	5.26	338.50	1,325,225.89
<b>EC380E</b>	3.8	5.33	<b>6</b> Well Matched	0.34	728.85	4.91	364.42	1,426,720.49
<b>EC480E</b>	4.5	6.38	<b>5</b> Well Matched	0.32	1,032.78	5.19	344.26	2,021,672.03
<b>EC530E</b>	5.0		<b>4</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b>EC550E</b>	6.0		<b>4</b> Well Matched	<i>New Model – Data Coming Soon</i>				
EC750E	8.5	12.04	<b>3</b> Over Capacity	0.42	1,098.23	3.68	366.08	2,149,794.46
EC950F	9.9	14.17	<b>2</b> Over Capacity	0.49	1,246.71	3.81	415.57	2,440,427.14





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>7</b> Under Capacity	0.36	660.07	5.40	330.34	1,292,095.24
<b><u>EC380E</u></b>	3.8	5.33	<b>6</b> Well Matched	0.40	681.96	5.24	340.98	1,334,943.15
<b><u>EC480E</u></b>	4.5	6.38	<b>5</b> Well Matched	0.38	752.27	4.74	376.14	1,472,575.92
<b><u>EC530E</u></b>	5.0		<b>4</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b><u>EC550E</u></b>	6.0		<b>4</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b>EC750E</b>	8.5	8.50	<b>3</b> Over Capacity	0.49	1,059.70	3.81	353.23	2,074,363.07
<b>EC950F</b>	9.9	14.17	<b>2</b> Over Capacity	0.57	800.91	3.97	400.46	1,567,789.56







# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>8</b> Under Capacity	0.27	807.56	5.05	403.78	1,580,805.17
<b>EC380E</b>	3.8	5.38	<b>7</b> Under Capacity	0.27	884.33	4.78	442.17	1,731,076.32
<b><u>EC480E</u></b>	4.5	6.34	<b>6</b> Well Matched	0.26	1,262.59	5.11	420.86	2,471,514.90
<b><u>EC530E</u></b>	5.0		<b>5</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b><u>EC550E</u></b>	6.0		<b>4</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b>EC750E</b>	8.5	12.04	<b>3</b> Over Capacity	0.33	1,579.92	3.84	526.64	3,092,686.76
<b>EC950F</b>	9.9	14.17	<b>3</b> Over Capacity	0.38	1,322.26	3.60	440.75	2,588,331.82





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>8</b> Under Capacity	0.31	764.04	5.31	382.02	1,495,612.08
<b>EC380E</b>	3.8	5.38	<b>7</b> Under Capacity	0.31	844.13	5.00	422.07	1,652,391.03
<b><u>EC480E</u></b>	4.5	6.34	<b>6</b> Well Matched	0.29	922.86	4.61	461.43	1,806,488.80
<b><u>EC530E</u></b>	5.0		<b>5</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b><u>EC550E</u></b>	6.0		<b>4</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b>EC750E</b>	8.5	12.04	<b>3</b> Over Capacity	0.38	1,522.11	3.98	507.37	2,979,539.68
<b>EC950F</b>	9.9	14.17	<b>3</b> Over Capacity	0.44	1,280.71	3.70	426.90	2,506,984.25





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>8</b> Under Capacity	0.34	710.85	5.71	355.42	1,391,487.19
<b>EC380E</b>	3.8	5.38	<b>7</b> Under Capacity	0.34	803.94	5.26	401.97	1,573,705.75
<b><u>EC480E</u></b>	4.5	6.34	<b>6</b> Well Matched	0.33	887.36	4.80	443.68	1,737,008.46
<b><u>EC530E</u></b>	5.0		<b>5</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b><u>EC550E</u></b>	6.0		<b>4</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b>EC750E</b>	8.5	12.04	<b>3</b> Over Capacity	0.42	1,473.95	4.11	491.32	2,885,250.45
<b>EC950F</b>	9.9	14.17	<b>3</b> Over Capacity	0.49	1,246.71	3.81	415.57	2,440,427.14





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>8</b> Under Capacity	0.36	672.16	6.03	336.08	1,315,759.99
<b>EC380E</b>	3.8	5.38	<b>7</b> Under Capacity	0.40	728.57	5.79	364.28	1,426,170.83
<b><u>EC480E</u></b>	4.5	6.34	<b>6</b> Well Matched	0.38	831.58	5.12	415.79	1,627,825.07
<b><u>EC530E</u></b>	5.0		<b>5</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b><u>EC550E</u></b>	6.0		<b>4</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b>EC750E</b>	8.5	12.04	<b>3</b> Over Capacity	0.49	1,290.91	4.71	430.30	2,526,951.38
<b>EC950F</b>	9.9	14.17	<b>3</b> Over Capacity	0.57	800.91	3.96	400.46	1,567,789.56





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>10</b> Excavator Undersized	0.27	859.55	5.33	429.77	1,682,563.59
<b>EC380E</b>	3.8	5.38	<b>8</b> Under Capacity	0.27	951.52	5.05	475.76	1,862,590.94
<b>EC480E</b>	4.5	6.38	<b>7</b> Under Capacity	0.26	969.03	4.44	484.52	1,896,877.46
<b><u>EC530E</u></b>	5.0		<b>6</b> <u>Well Matched</u>		<i>New Model – Data Coming Soon</i>			
<b><u>EC550E</u></b>	6.0		<b>5</b> <u>Well Matched</u>		<i>New Model – Data Coming Soon</i>			
<b><u>EC750E</u></b>	8.5	12.04	<b>4</b> <u>Well Matched</u>	0.33	1,579.92	3.84	526.64	3,092,686.76
<b>EC950F</b>	9.9	14.17	<b>3</b> Over Capacity	0.38	1,779.39	4.00	593.13	3,483,155.10





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>10</b> Excavator Undersized	0.31	794.27	5.74	397.13	1,554,773.95
<b>EC380E</b>	3.8	5.38	<b>8</b> Under Capacity	0.31	905.66	5.32	452.83	1,772,827.52
<b>EC480E</b>	4.5	6.38	<b>7</b> Under Capacity	0.29	928.23	4.61	464.11	1,817,008.94
<b><u>EC530E</u></b>	5.0		<b>6</b> <u>Well Matched</u>		<i>New Model – Data Coming Soon</i>			
<b><u>EC550E</u></b>	6.0		<b>5</b> <u>Well Matched</u>		<i>New Model – Data Coming Soon</i>			
<b><u>EC750E</u></b>	8.5	12.04	<b>4</b> <u>Well Matched</u>	0.38	1,522.11	3.98	507.37	2,979,539.68
<b>EC950F</b>	9.9	14.17	<b>3</b> Over Capacity	0.44	1,688.72	4.23	562.91	3,305,669.49





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>10</b> Excavator Undersized	0.34	712.66	6.40	356.33	1,395,036.90
<b>EC380E</b>	3.8	5.37	<b>8</b> Under Capacity	0.34	842.61	5.71	421.30	1,649,402.82
<b>EC480E</b>	4.5	6.38	<b>7</b> Under Capacity	0.33	892.53	4.80	446.26	1,747,123.98
<b><u>EC530E</u></b>	5.0		<b>6</b> <u>Well Matched</u>		<i>New Model – Data Coming Soon</i>			
<b><u>EC550E</u></b>	6.0		<b>5</b> <u>Well Matched</u>		<i>New Model – Data Coming Soon</i>			
<b><u>EC750E</u></b>	8.5	12.04	<b>4</b> <u>Well Matched</u>	0.42	982.63	4.11	491.32	1,923,500.30
<b>EC950F</b>	9.9	14.17	<b>3</b> Over Capacity	0.49	1,518.71	4.69	506.24	2,972,883.97





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>10</b> Excavator Undersized	0.36	674.58	6.76	337.29	1,320,492.94
<b>EC380E</b>	3.8	5.37	<b>8</b> Under Capacity	0.40	727.97	6.59	363.98	1,424,994.27
<b>EC480E</b>	4.5	6.38	<b>7</b> Under Capacity	0.38	836.43	5.12	418.21	1,637,304.76
<b><u>EC530E</u></b>	5.0		<b>6</b> <u>Well Matched</u>		<i>New Model – Data Coming Soon</i>			
<b><u>EC550E</u></b>	6.0		<b>5</b> <u>Well Matched</u>		<i>New Model – Data Coming Soon</i>			
<b><u>EC750E</u></b>	8.5	12.04	<b>4</b> <u>Well Matched</u>	0.49	939.28	4.31	469.64	1,838,639.99
<b>EC950F</b>	9.9	14.17	<b>3</b> Over Capacity	0.57	1,042.70	4.55	521.35	2,041,084.52







# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>10</b> Excavator Undersized	0.27	891.84	5.71	445.92	1,745,783.41
<b>EC380E</b>	3.8	5.38	<b>9</b> Excavator Undersized	0.27	953.24	5.06	476.62	1,865,965.38
<b>EC480E</b>	4.5	6.38	<b>7</b> Under Capacity	0.26	1,065.08	4.72	532.54	2,084,901.28
<b>EC530E</b>	5.0		<b>7</b> Under Capacity		<i>New Model – Data Coming Soon</i>			
<b><u>EC550E</u></b>	6.0		<b>5</b> Well Matched		<i>New Model – Data Coming Soon</i>			
<b><u>EC750E</u></b>	8.5	12.04	<b>4</b> Well Matched	0.33	1,579.92	3.84	526.64	3,092,686.76
<b>EC950F</b>	9.9	14.17	<b>3</b> Over Capacity	0.38	1,779.39	4.00	593.13	3,483,155.10





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>10</b> Excavator Undersized	0.31	795.43	6.35	397.71	1,557,050.07
<b>EC380E</b>	3.8	5.38	<b>9</b> Excavator Undersized	0.31	907.30	5.32	453.65	1,776,039.34
<b>EC480E</b>	4.5	6.38	<b>7</b> Under Capacity	0.29	1,017.48	4.92	508.74	1,991,721.33
<b>EC530E</b>	5.0		<b>7</b> Under Capacity		<i>New Model – Data Coming Soon</i>			
<b><u>EC550E</u></b>	6.0		<b>5</b> Well Matched		<i>New Model – Data Coming Soon</i>			
<b><u>EC750E</u></b>	8.5	12.04	<b>4</b> Well Matched	0.38	1,522.11	3.98	507.37	2,979,539.68
<b>EC950F</b>	9.9	14.17	<b>3</b> Over Capacity	0.44	1,688.72	4.23	562.91	3,305,669.49





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.52	<b>10</b> Excavator Undersized	0.34	717.09	7.08	358.55	1,403,704.23
<b>EC380E</b>	3.8	5.38	<b>9</b> Excavator Undersized	0.34	844.13	5.71	422.07	1,652,391.03
<b>EC480E</b>	4.5	6.38	<b>7</b> Under Capacity	0.33	969.88	5.14	484.94	1,898,541.39
<b>EC530E</b>	5.0		<b>7</b> Under Capacity	<i>New Model – Data Coming Soon</i>				
<b><u>EC550E</u></b>	6.0		<b>5</b> Well Matched	<i>New Model – Data Coming Soon</i>				
<b><u>EC750E</u></b>	8.5	12.04	<b>4</b> Well Matched	0.42	982.63	4.11	491.32	1,923,500.30
<b>EC950F</b>	9.9	14.17	<b>3</b> Over Capacity	0.49	1,518.71	4.69	506.24	2,972,883.97





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.52	<b>10</b> Excavator Undersized	0.36	674.91	7.48	337.45	1,321,133.39
<b>EC380E</b>	3.8	5.38	<b>9</b> Excavator Undersized	0.40	729.29	6.59	364.64	1,427,575.93
<b>EC480E</b>	4.5	6.38	<b>7</b> Under Capacity	0.38	904.43	5.51	452.21	1,770,418.96
<b>EC530E</b>	5.0		<b>7</b> Under Capacity		<i>New Model – Data Coming Soon</i>			
<b><u>EC550E</u></b>	6.0		<b>5</b> Well Matched		<i>New Model – Data Coming Soon</i>			
<b><u>EC750E</u></b>	8.5	12.04	<b>4</b> Well Matched	0.49	939.28	4.31	469.64	1,838,639.99
<b>EC950F</b>	9.9	14.17	<b>3</b> Over Capacity	0.57	1,042.70	4.55	521.35	2,041,084.52





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>14</b> Excavator Undersized	0.27	903.67	7.33	451.84	1,768,939.92
<b>EC380E</b>	3.8	5.38	<b>12</b> Excavator Undersized	0.27	1,065.93	6.25	532.97	2,086,565.21
<b>EC480E</b>	4.5	6.38	<b>10</b> Excavator Undersized	0.26	1,231.69	5.23	615.84	2,411,031.09
<b>EC530E</b>	5.0		<b>9</b> Excavator Undersized		<i>New Model – Data Coming Soon</i>			
<b>EC550E</b>	6.0		<b>7</b> Under Capacity		<i>New Model – Data Coming Soon</i>			
<b><u>EC750E</u></b>	8.5	12.04	<b>5</b> Well Matched	0.33	1,926.73	5.26	642.24	3,771,569.22
<b><u>EC950F</u></b>	9.9	14.17	<b>4</b> Well Matched	0.38	1,949.39	4.89	649.80	3,815,940.62





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>14</b> Excavator Undersized	0.31	809.38	8.19	404.69	1,584,354.88
<b>EC380E</b>	3.8	5.38	<b>12</b> Excavator Undersized	0.31	955.39	6.96	477.70	1,870,180.67
<b>EC480E</b>	4.5	6.38	<b>10</b> Excavator Undersized	0.29	1,170.49	5.50	585.24	2,291,228.30
<b>EC530E</b>	5.0		<b>9</b> Excavator Undersized		<i>New Model – Data Coming Soon</i>			
<b>EC550E</b>	6.0		<b>7</b> Under Capacity		<i>New Model – Data Coming Soon</i>			
<b><u>EC750E</u></b>	8.5	12.04	<b>5</b> Well Matched	0.38	1,420.96	4.75	710.48	2,781,532.30
<b><u>EC950F</u></b>	9.9	14.17	<b>4</b> Well Matched	0.44	1,382.71	4.60	691.36	2,706,655.56





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>14</b> Excavator Undersized	0.34	722.94	9.14	361.47	1,415,151.93
<b>EC380E</b>	3.8	5.38	<b>12</b> Excavator Undersized	0.34	852.75	7.77	426.37	1,669,252.17
<b>EC480E</b>	4.5	6.38	<b>10</b> Excavator Undersized	0.33	1,055.73	6.07	527.87	2,066,598.08
<b>EC530E</b>	5.0		<b>9</b> Excavator Undersized		<i>New Model – Data Coming Soon</i>			
<b>EC550E</b>	6.0		<b>7</b> Under Capacity		<i>New Model – Data Coming Soon</i>			
<b><u>EC750E</u></b>	8.5	12.04	<b>5</b> Well Matched	0.42	1,356.74	4.97	678.37	2,655,813.33
<b><u>EC950F</u></b>	9.9	14.17	<b>4</b> Well Matched	0.49	1,322.26	4.80	661.13	2,588,331.82





# 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 (yd³)	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)
<b>EC350E</b>	3.2	4.53	<b>14</b> Excavator Undersized	0.36	683.65	9.65	341.82	1,338,241.50
<b>EC380E</b>	3.8	5.38	<b>12</b> Excavator Undersized	0.40	742.21	8.97	371.10	1,452,867.63
<b>EC480E</b>	4.5	6.38	<b>10</b> Excavator Undersized	0.38	918.03	7.03	459.01	1,797,041.80
<b>EC530E</b>	5.0		<b>9</b> Excavator Undersized		<i>New Model – Data Coming Soon</i>			
<b>EC550E</b>	6.0		<b>7</b> Under Capacity		<i>New Model – Data Coming Soon</i>			
<b><u>EC750E</u></b>	8.5	12.04	<b>5</b> Well Matched	0.49	1,268.43	5.31	634.21	2,482,949.74
<b><u>EC950F</u></b>	9.9	14.17	<b>4</b> Well Matched	0.57	1,239.15	5.12	619.58	2,425,636.67





# 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<sup>3</sup> 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.

