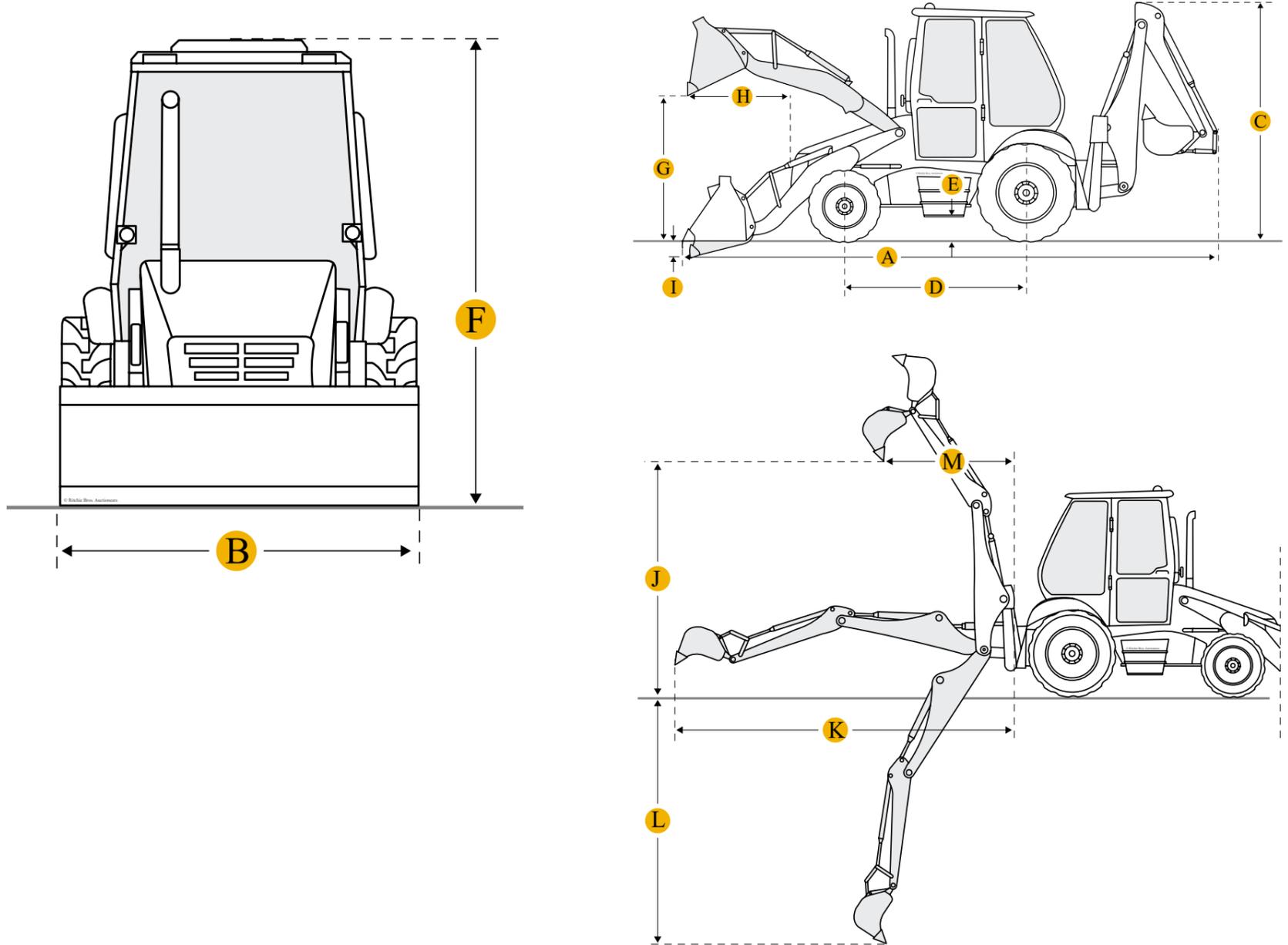




## Volvo BM 646 Loader Backhoe



Units  Imperial  Metric

### Dimensions

#### Backhoe

J	<b>Load Height - Std</b>	11.91 ft in
K	<b>Reach From Swivel - Std</b>	19.17 ft in
L	<b>Dig Depth - Std</b>	14.01 ft in
M	<b>Reach At Load Height - Std</b>	7.94 ft in

#### Dimensions

A	<b>Transport Length</b>	26.45 ft in
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<b>C</b>	<b>Transport Height</b>	13.29 ft in
<b>D</b>	<b>Wheelbase</b>	8.37 ft in
<b>E</b>	<b>Ground Clearance</b>	1.34 ft in
	<b>Height To Top Of Suspended Cab</b>	9.39 ft in
<b>Loader</b>		
<b>G</b>	<b>Clearance At Max Dump Height</b>	10.14 ft in
<b>H</b>	<b>Reach At Max Dump Height</b>	1.71 ft in
	<b>Lift Capacity At Full Height</b>	5070 lb
	<b>Bucket Breakout Force</b>	8600 lb

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## Specifications

### Engine

<b>Number Of Cylinders</b>	4
<b>Engine Make</b>	2244
<b>Engine Model</b>	BM TD 42
<b>Gross Power</b>	84.5 hp
<b>Net Max Torque</b>	220.6 lb ft
<b>Displacement</b>	256.3 cu in

### Operational

<b>Fuel Capacity</b>	25.4 gal
<b>Max Weight</b>	21495.1 lb
<b>Hydraulic System Fluid Capacity</b>	50.2 gal
<b>Oil System Fluid Capacity</b>	2.8 gal
<b>Cooling System Fluid Capacity</b>	4.3 gal
<b>Transmission Fluid Capacity</b>	5.9 gal
<b>Tire Size Front - 2wd / 4wd</b>	14.9-24/14
<b>Rear Tires Size 2wd/4wd</b>	18.4-34/14
<b>Operating Voltage</b>	24 V

<b>Alternator Supplied Amperage</b>	43 amps
Transmission	
<b>Transmission Type</b>	hydromechanical gearbox with power shift
<b>Number Of Forward Gears</b>	4
<b>Number Of Reverse Gears</b>	4
<b>Max Speed - Forward</b>	18.5 mph
<b>Max Speed Reverse</b>	18.5 mph
Hydraulic	
<b>Pump Type</b>	gear pump
<b>Pump Flow Capacity</b>	29.9 gal/min
<b>Relief Valve Pressure</b>	2465 psi

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**Max Weight** 17934.7 lb

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