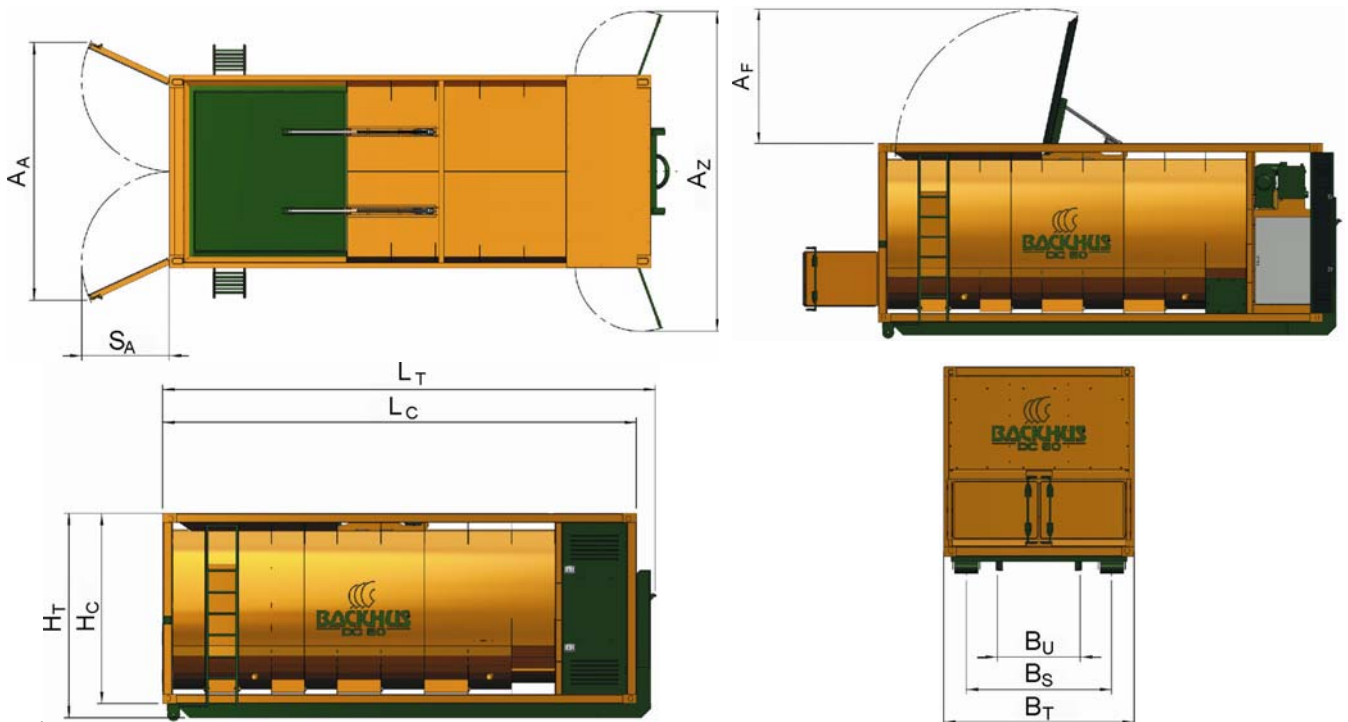


**Technical Data / Delivery Volume**

**BACKHUS DC 50**

<b>working data</b>			
length	$L_C$	ft	20
width	$B_T$	ft	8
height	$H_C$	ft	8
footprint approx.		yd <sup>2</sup>	18
opening height filling hatch	$A_F$	inch	72.8
swing radius discharge flaps	$S_A$	inch	43.3
swing open width discharge flaps	$A_A$	inch	130
swing open width access doors	$A_Z$	inch	159.5
retention time approx.*		days	3 – 15
filling capacity approx.*		short ton	8.3 – 13.2
annual throughput approx.*		short ton	500
<b>composting reactor</b>			
agitator diameter		inch	41.3
agitator rpm max.		RPM	1.1
interior volume	$I_V$	yd <sup>3</sup>	25.5
<b>aeration system</b>			
inlet air performance of inlet air fan pressure side		ft <sup>3</sup> /min	294
exhaust air performance via biofilter (UGN) suction side		ft <sup>3</sup> /min	147
<b>dimensions – transport</b>			
length	$L_C$	ft	20
width	$B_T$	ft	8
height	$H_C$	ft	8
weight approx.**		short ton	7.2
<b>dimensions – transport with roll-off platform (optional)</b>			
length	$L_T$	ft	20.7
width	$B_T$	ft	8
height	$H_T$	ft	8.5
base width	$B_U$	ft	3.5
track width	$B_S$	ft	6.1

\* depending on input material and on desired compost quality

\*\* figures may differ depending upon equipment and input material.

ALL INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. OBSERVE PROTECTION NOTICE IN ACCORDANCE WITH ISO 16016. (ISO 16016 : 2000 TECHNICAL PRODUCT DOCUMENTATION – PROTECTION NOTICES FOR RESTRICTING THE USE OF DOCUMENTS AND PRODUCTS)

<b>power connection</b>		
power supply	V / A	400 / 32 A CEE (or in accordance to customer demands)
power consumption daily approx.**	kWh	15
power consumption monthly approx.**	kWh	450
electrical system		in accordance with US and Canadian industry standards

\*\* figures may differ depending upon equipment and input material.

### Frame

welded steel frame, box construction  
 corrosion-resistant 2-color lacquer coating  
 RAL1004 golden yellow and RAL6029 mint green  
 Steel surfaces (except wear areas)  
 Sa 2 1/2 blasted with DIN EN ISO 12944-4  
 Coating in accordance with DIN EN ISO 12944-5  
 Category C2  
 Coat thickness 120µm

### Stainless Steel – composting reactor

integrated leachate tank  
 and 400 l (106 gal) fresh water tank  
 leachate recycling circuit  
 electrical hatch  
 thermal-insulated composting reactor

### Delivery accessories

touchscreen  
 Beckhoff PLC-process control  
 Automatic, inclusive digital process recording  
 phase changing switch  
 CEE-coupling socket  
 400V, 50Hz, 32A, IP44  
 CE-conformable instruction manual  
 instruction manual will be delivered in German and in the  
 particular language of the European country of use (outside  
 Europe: English)

