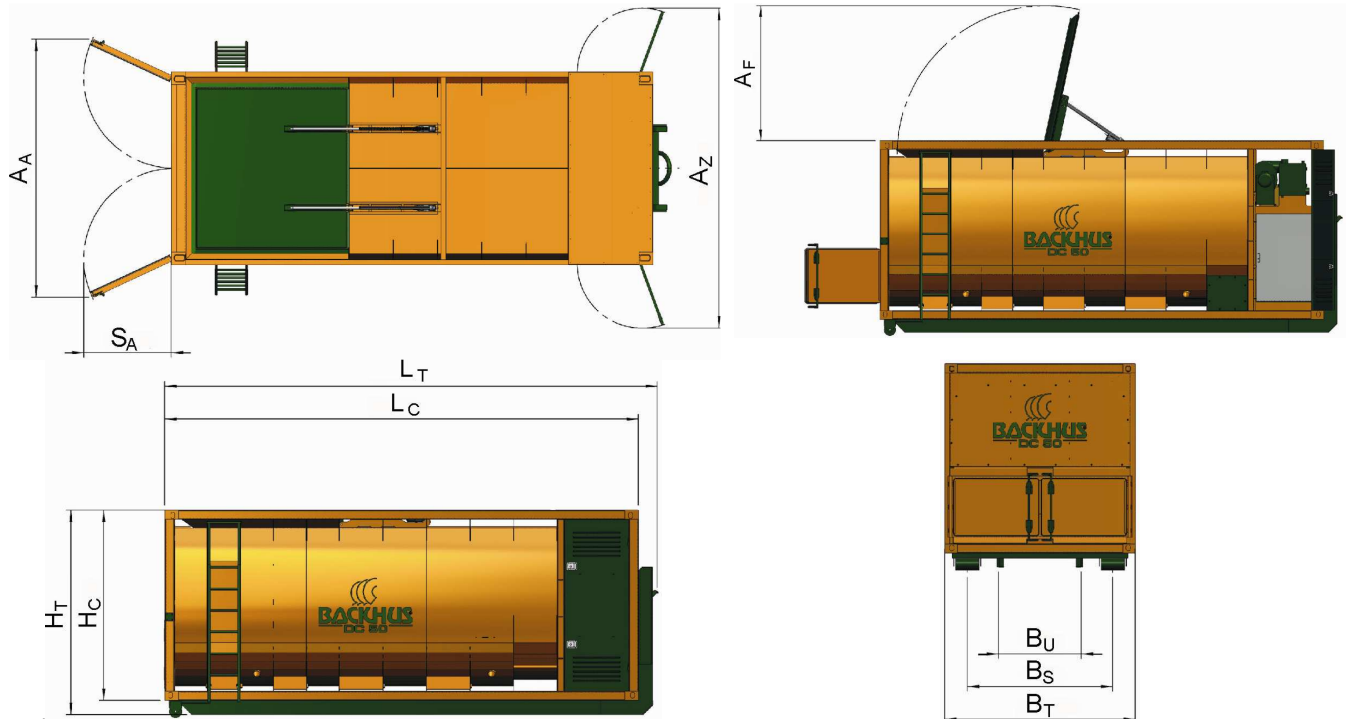


**Technical Data / Delivery Volume**

**BACKHUS DC 50**

<b>working data</b>			
length	L <sub>C</sub>	mm (ft)	6.058 (20)
width	B <sub>T</sub>	mm (ft)	2.438 (8)
height	H <sub>C</sub>	mm (ft)	2.438 (8)
footprint approx.		m <sup>2</sup> (yd <sup>2</sup> )	15 (18)
opening height filling hatch	A <sub>F</sub>	mm (inch)	1.850 (72.8)
swing radius discharge flaps	S <sub>A</sub>	mm (inch)	1.100 (43.3)
swing open width discharge flaps	A <sub>A</sub>	mm (inch)	3.300 (130)
swing open width access doors	A <sub>Z</sub>	mm (inch)	4.050 (159.5)
process duration approx.*		days	3 - 15
filling capacity approx.*		t	7,5 - 12
annual throughput approx.*		t	450
<b>composting reactor</b>			
agitator diameter		mm (inch)	1.050 (41.3)
agitator rpm max.		RPM	1,1
interior volume	V <sub>I</sub>	m <sup>3</sup> (yd <sup>3</sup> )	19,5 (25.5)
<b>inlet air and – exhaust air data</b>			
fan performance inlet air		m <sup>3</sup> /h (yd <sup>3</sup> /h)	500 (654)
fan performance exhaust air via biofilter		m <sup>3</sup> /h (yd <sup>3</sup> /h)	250 (327)
<b>dimensions – transport</b>			
length	L <sub>C</sub>	mm (ft)	6.058 (20)
width	B <sub>T</sub>	mm (ft)	2.438 (8)
height	H <sub>C</sub>	mm (ft)	2.438 (8)
weight approx.**		t	5,5
<b>dimensions – transport with roll-off platform (optional)</b>			
length	L <sub>T</sub>	mm (ft)	6.300 (20.1)
width	B <sub>T</sub>	mm (ft)	2.438 (8)
height	H <sub>T</sub>	mm (ft)	2.600 (8.5)
base width	B <sub>U</sub>	mm (ft)	1.060 (3.5)
track width	B <sub>S</sub>	mm (ft)	1.860 (6.1)

\* depending on input material and on desired compost quality; annual throughput might increase dramatically if sanitation is only requirement

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

<b>power connection</b>		
power supply	V / A	400 / 32 A CEE
daily power consumption approx.**	kWh	15
monthly power consumption approx.**	kWh	450

\*\* 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 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)

